

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
 Data File : VN054460.D
 Acq On : 20 Mar 2019 12:09
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:17:20 PM

Quant Time: Mar 20 13:11:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 12:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	548151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	870071	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	771231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	366737	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	669969	115.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	230.18%	
35) Dibromofluoromethane	7.59	113	552607	98.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.96%	
50) Toluene-d8	10.09	98	2092454	100.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.94%	
62) 4-Bromofluorobenzene	12.40	95	737678	101.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	533488	102.691	ug/l	99
3) Chloromethane	2.06	50	697166	138.152	ug/l	99
4) Vinyl Chloride	2.19	62	705693	122.350	ug/l	99
5) Bromomethane	2.56	94	430218	107.696	ug/l	95
6) Chloroethane	2.71	64	415584	119.085	ug/l	99
7) Trichlorofluoromethane	3.02	101	849271	110.748	ug/l	100
8) Diethyl Ether	3.41	74	325329	93.096	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.75	101	488770	85.055	ug/l	97
10) Methyl Iodide	3.94	142	784749	103.800	ug/l	96
11) Tert butyl alcohol	4.82	59	218451	547.385	ug/l	99
12) 1,1-Dichloroethene	3.73	96	497675	87.393	ug/l	83
13) Acrolein	3.61	56	266855	705.660	ug/l	99
14) Allyl chloride	4.32	41	1006725	137.785	ug/l #	91
15) Acrylonitrile	4.99	53	1056694	644.599	ug/l	100
16) Acetone	3.82	43	971430	582.813	ug/l	90
17) Carbon Disulfide	4.04	76	1432456	100.342	ug/l	99
18) Methyl Acetate	4.33	43	455283	135.010	ug/l	91
19) Methyl tert-butyl Ether	5.05	73	1555486	110.198	ug/l	96
20) Methylene Chloride	4.54	84	569291	104.018	ug/l #	87
21) trans-1,2-Dichloroethene	5.04	96	541024	99.156	ug/l	84
22) Diisopropyl ether	5.96	45	2011663	137.951	ug/l #	93
23) Vinyl Acetate	5.90	43	7537317	701.033	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	1053908	112.560	ug/l	98
25) 2-Butanone	6.84	43	1407307	719.370	ug/l	91
26) 2,2-Dichloropropane	6.82	77	777163	94.386	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	633751	104.114	ug/l	90
28) Bromochloromethane	7.19	49	526702	137.601	ug/l #	78
29) Tetrahydrofuran	7.22	42	909333	722.937	ug/l #	86
30) Chloroform	7.37	83	1023696	104.776	ug/l	98
31) Cyclohexane	7.65	56	1011572	100.367	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	889189	100.770	ug/l	97
36) 1,1-Dichloropropene	7.79	75	799730	99.809	ug/l	97
37) Ethyl Acetate	6.94	43	605156	131.443	ug/l	95
38) Carbon Tetrachloride	7.77	117	782919	93.175	ug/l	98

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	911490	92.457	ug/l	90
40) Benzene	8.04	78	2323547	101.337	ug/l	100
41) Methacrylonitrile	7.18	41	354721	134.941	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	824793	106.547	ug/l	98
43) Isopropyl Acetate	8.17	43	1062453	131.472	ug/l #	94
44) Trichloroethene	8.83	130	637205	89.460	ug/l	96
45) 1,2-Dichloropropane	9.12	63	635831	111.678	ug/l	98
46) Dibromomethane	9.21	93	379602	98.679	ug/l	91
47) Bromodichloromethane	9.40	83	799948	103.729	ug/l	98
48) Methyl methacrylate	9.20	41	554469	135.201	ug/l	88
49) 1,4-Dioxane	9.20	88	121989	2102.924	ug/l #	88
51) 4-Methyl-2-Pentanone	9.99	43	2937123	686.786	ug/l	95
52) Toluene	10.16	92	1441504	99.151	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	834214	106.281	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	972809	108.249	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	521132	98.169	ug/l	97
56) Ethyl methacrylate	10.43	69	765492	120.935	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	904594	104.214	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1638736	683.447	ug/l	92
59) 2-Hexanone	10.75	43	1953681	686.549	ug/l	93
60) Dibromochloromethane	10.90	129	604076	101.099	ug/l	99
61) 1,2-Dibromoethane	11.00	107	532660	98.739	ug/l	100
64) Tetrachloroethene	10.63	164	587591	78.801	ug/l	96
65) Chlorobenzene	11.43	112	1552246	91.663	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	590536	95.995	ug/l	100
67) Ethyl Benzene	11.51	91	2752701	98.061	ug/l	99
68) m/p-Xylenes	11.62	106	2088821	190.385	ug/l	98
69) o-Xylene	11.95	106	1012322	94.650	ug/l	98
70) Styrene	11.96	104	1724143	102.787	ug/l	98
71) Bromoform	12.13	173	398046	97.756	ug/l #	100
73) Isopropylbenzene	12.25	105	2643991	90.112	ug/l	99
74) N-amyl acetate	12.07	43	905452	139.027	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	649326	103.870	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	549200m	101.835	ug/l	
77) Bromobenzene	12.53	156	673350	86.725	ug/l	88
78) n-propylbenzene	12.59	91	2945927	92.531	ug/l	98
79) 2-Chlorotoluene	12.67	91	1779169	92.942	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	2220486	90.982	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	174238	110.443	ug/l	90
82) 4-Chlorotoluene	12.77	91	1842662	96.401	ug/l	96
83) tert-Butylbenzene	12.99	119	1881123	83.739	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2202576	91.992	ug/l	99
85) sec-Butylbenzene	13.17	105	2373976	81.488	ug/l	98
86) p-Isopropyltoluene	13.29	119	2197870	85.995	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1162849	88.884	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	1141525	88.820	ug/l	99
89) n-Butylbenzene	13.62	91	1831128	94.294	ug/l	98
90) Hexachloroethane	13.87	117	374196	88.420	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	1120873	87.639	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	105118	108.666	ug/l	89

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Wed Mar 20 12:05:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	629464	95.228	ug/l	99
94) Hexachlorobutadiene	15.01	225	322849	66.272	ug/l	100
95) Naphthalene	15.13	128	1464627	107.722	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	610985	89.911	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

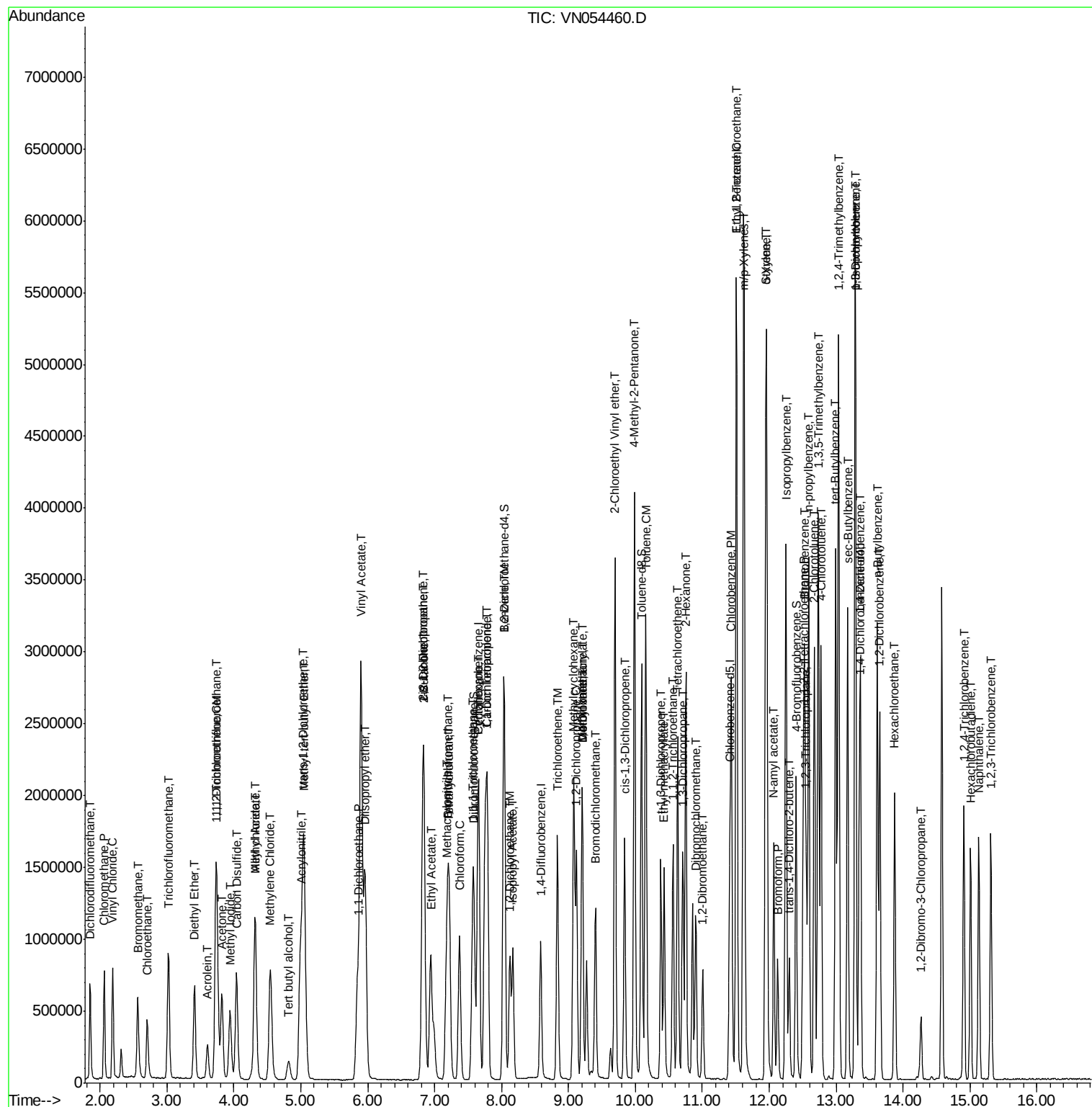
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Data File : VN054460.D
Acq On : 20 Mar 2019 12:09
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.00mL/MSVOA N/WATER
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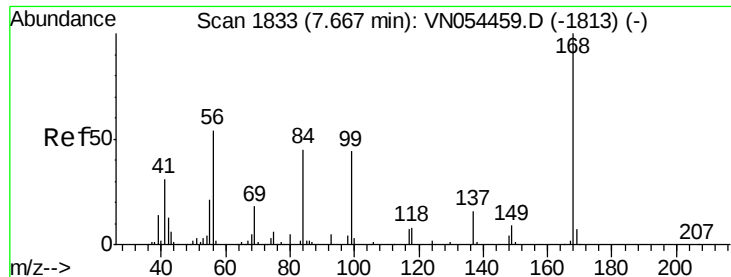
Instrument :
MSVOA_N
Client Sample Id :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
3/22/2019 3:17:20 PM

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 548151

Ion Ratio Lower Upper

168 100

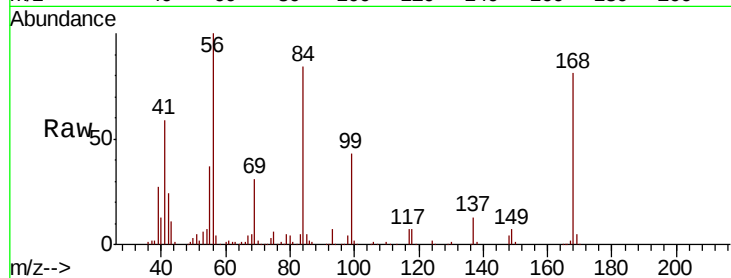
99 52.2 37.1 55.7

Manual Integrations

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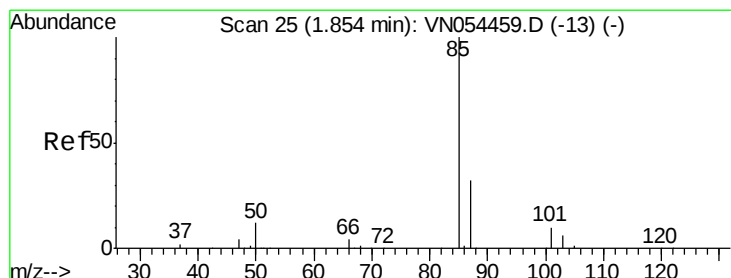
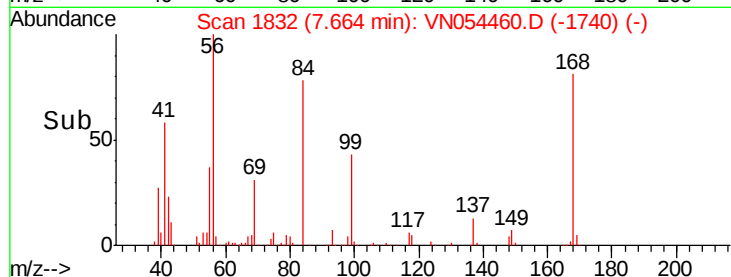
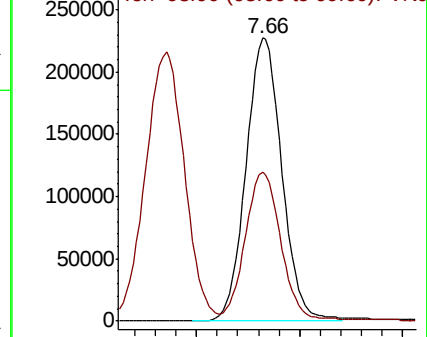
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 102.691 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054460.D

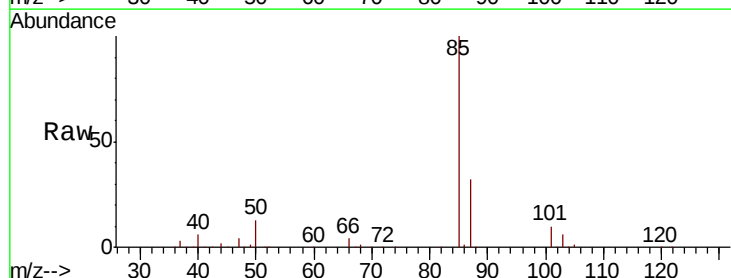
Acq: 20 Mar 2019 12:09

Tgt Ion: 85 Resp: 533488

Ion Ratio Lower Upper

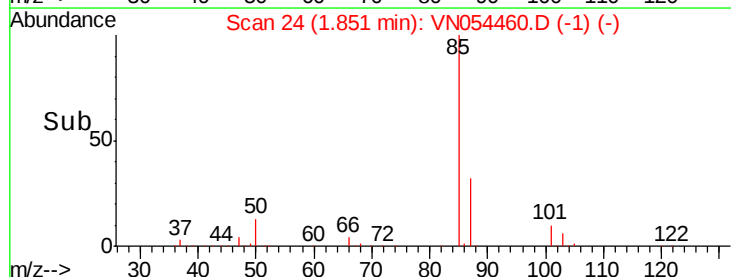
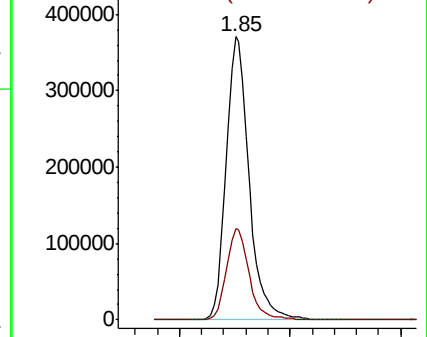
85 100

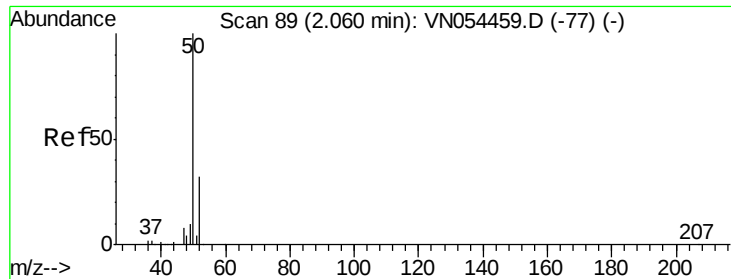
87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 138.152 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 697166

Ion Ratio Lower Upper

50 100

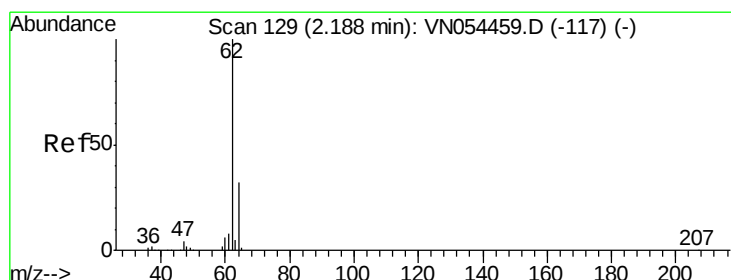
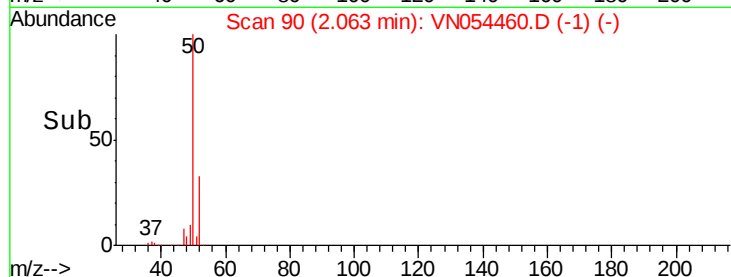
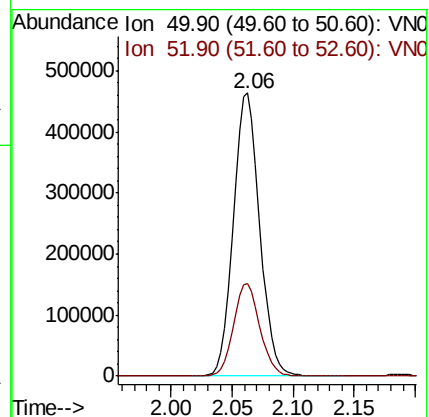
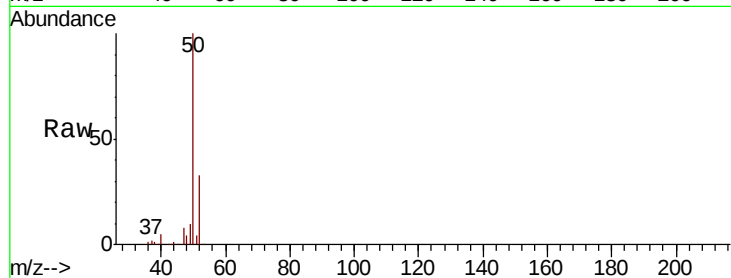
52 32.7 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 122.350 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054460.D

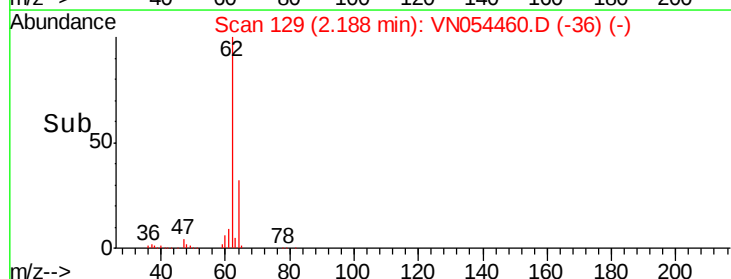
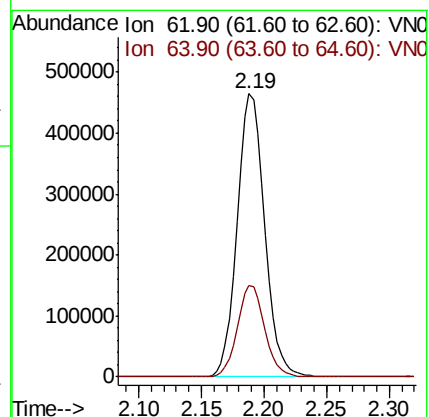
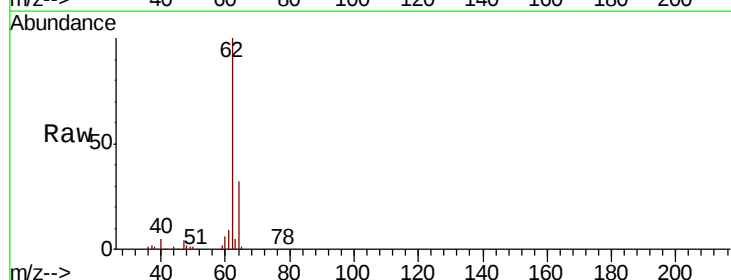
Acq: 20 Mar 2019 12:09

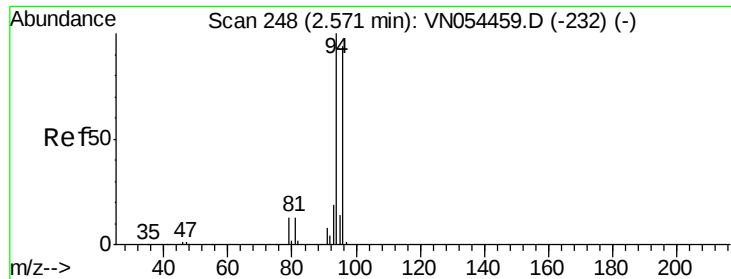
Tgt Ion: 62 Resp: 705693

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3





#5

Bromomethane

Concen: 107.696 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 94 Resp: 430218

Ion Ratio Lower Upper

94 100

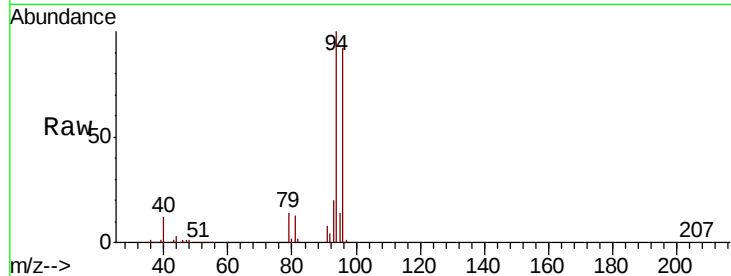
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Manual Integrations

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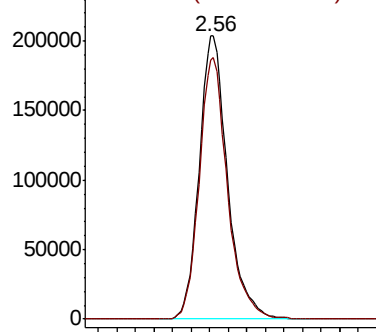
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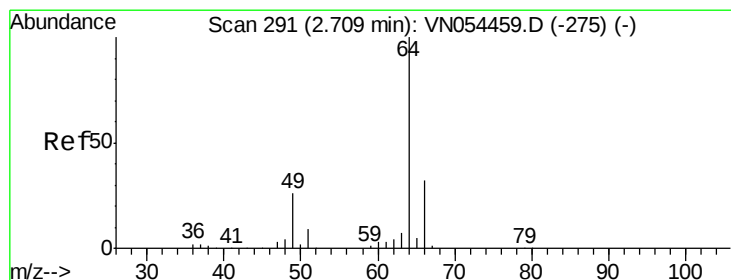
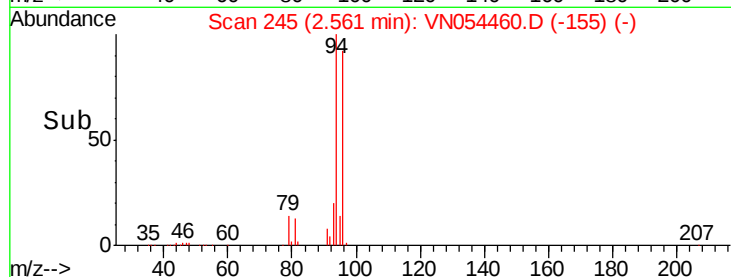


Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



Time-->



#6

Chloroethane

Concen: 119.085 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054460.D

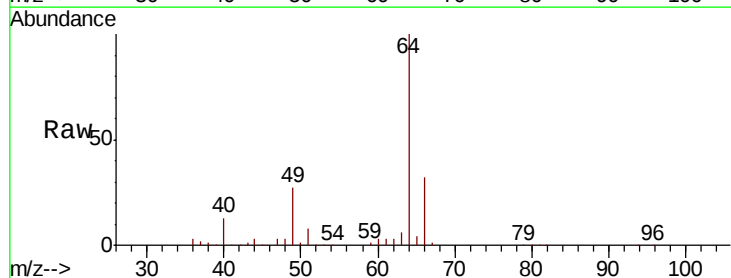
Acq: 20 Mar 2019 12:09

Tgt Ion: 64 Resp: 415584

Ion Ratio Lower Upper

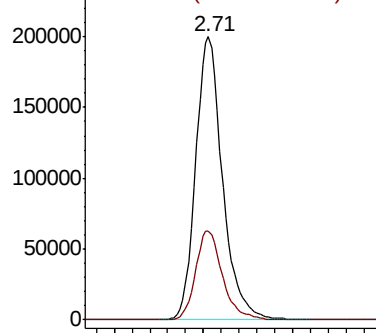
64 100

66 31.6 25.7 38.5

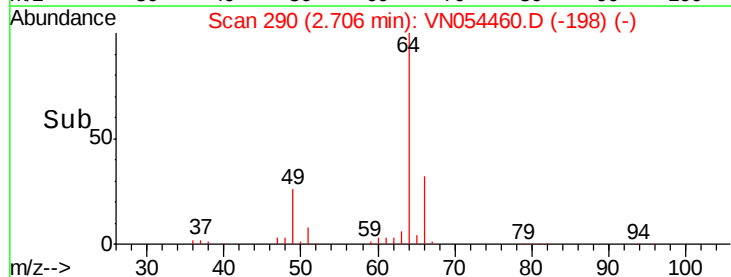


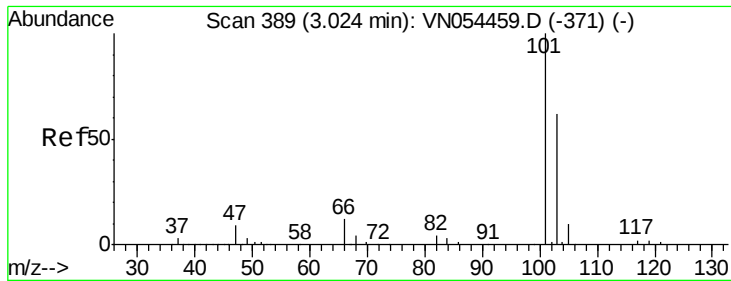
Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



Time-->





#7

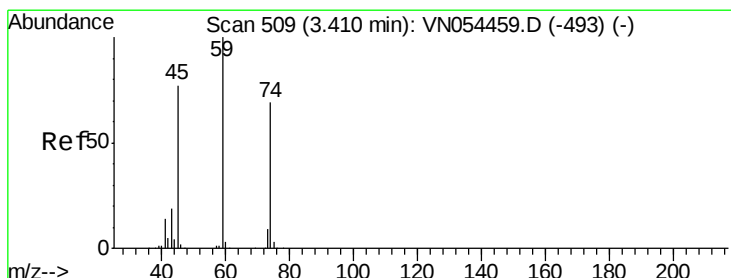
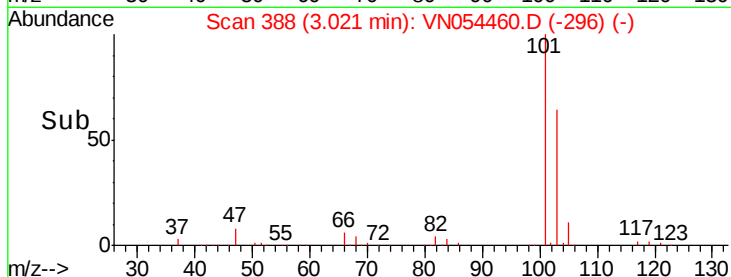
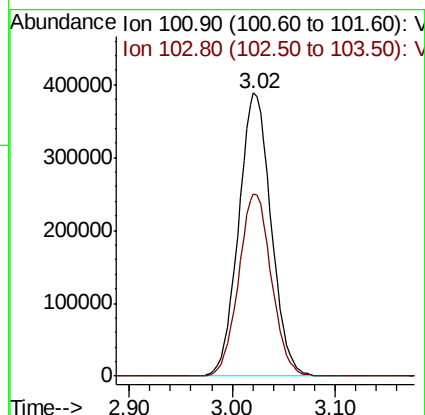
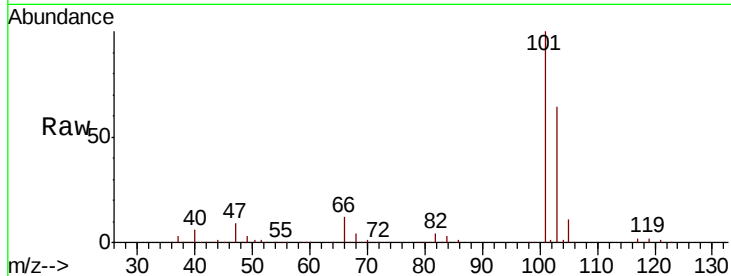
Trichlorofluoromethane
Concen: 110.748 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 849271
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2

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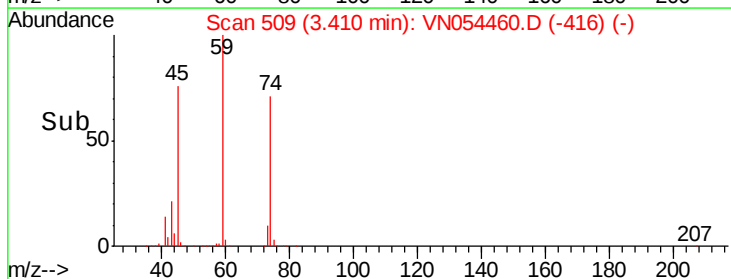
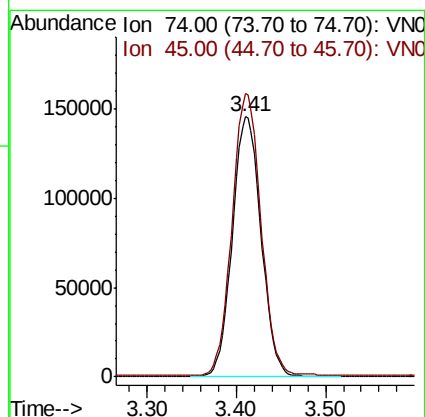
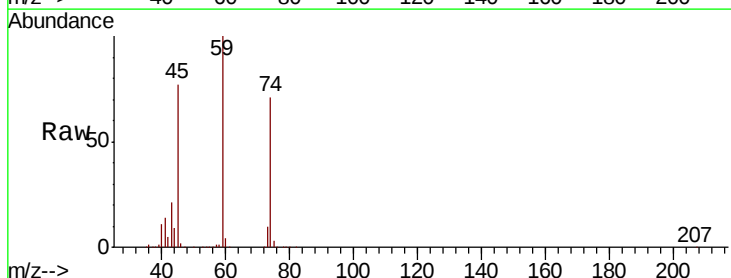
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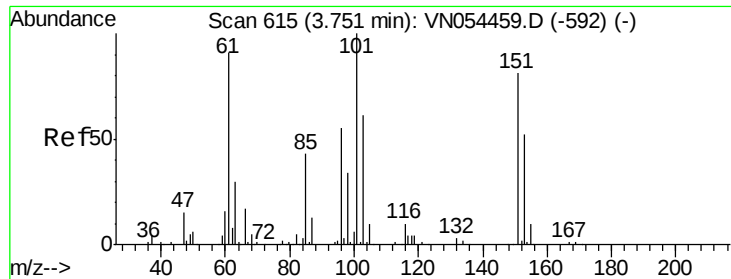


#8

Diethyl Ether
Concen: 93.096 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Tgt Ion: 74 Resp: 325329
Ion Ratio Lower Upper
74 100
45 107.8 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 85.055 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

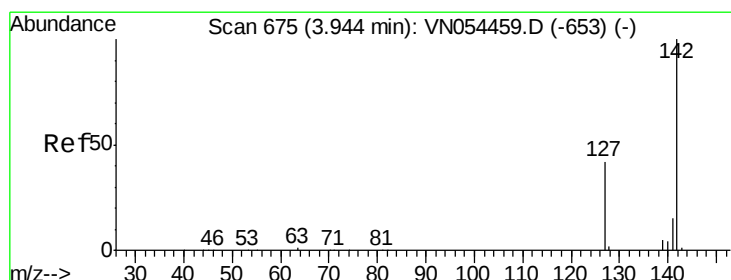
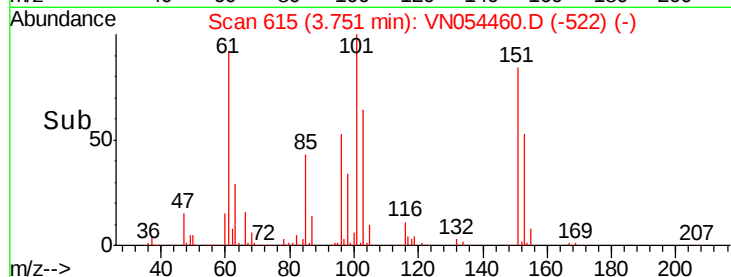
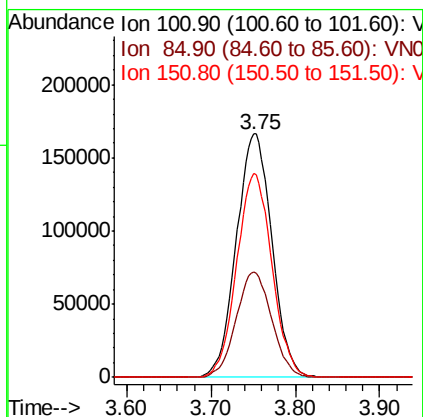
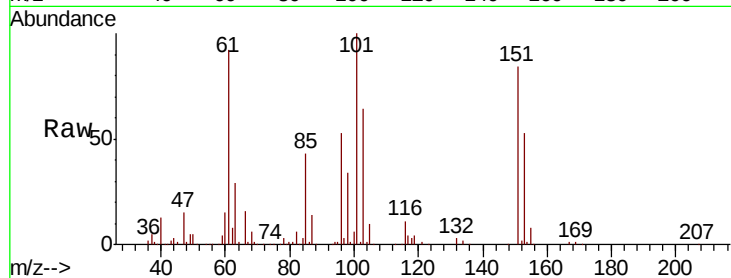
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	488770
Ion Ratio	Lower	Upper	
101	100		
85	43.2	32.4	48.6
151	82.7	68.2	102.2

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#10

Methyl Iodide

Concen: 103.800 ug/l

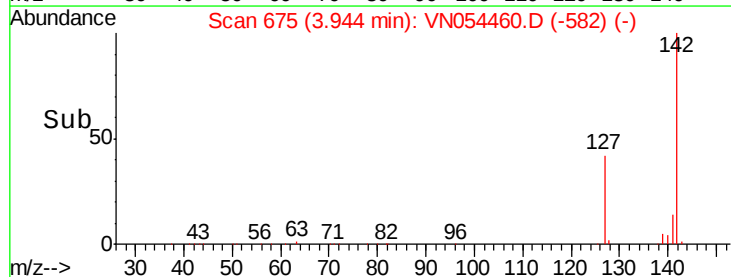
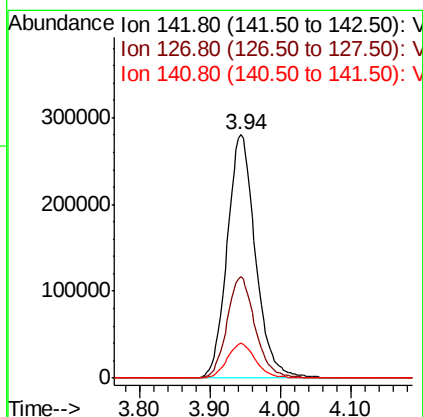
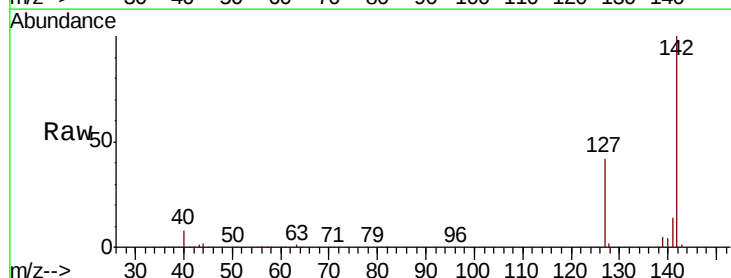
RT: 3.94 min Scan# 675

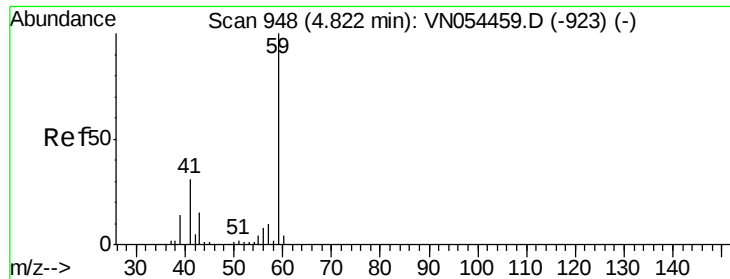
Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Tgt Ion:	142	Resp:	784749
Ion Ratio	Lower	Upper	
142	100		
127	41.4	30.3	45.5
141	14.2	11.2	16.8





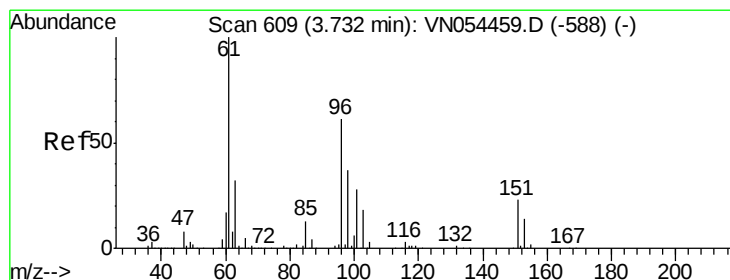
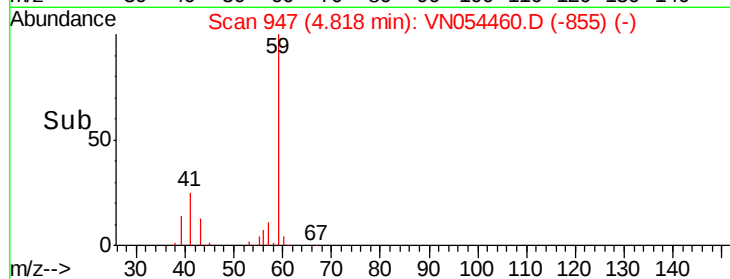
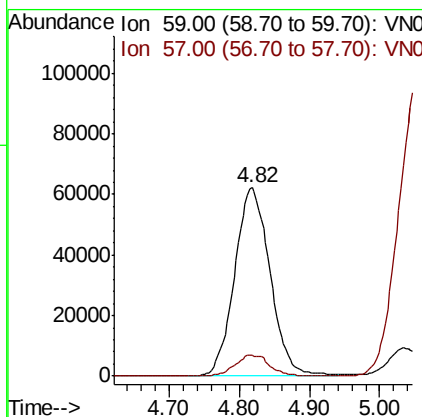
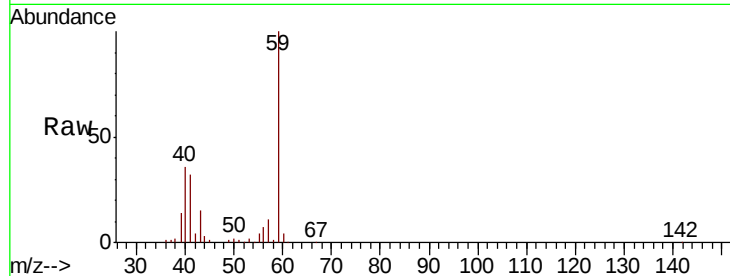
#11
Tert butyl alcohol
Concen: 547.385 ug/l
RT: 4.82 min Scan# 947
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	59.00	Resp	218451
Ion Ratio	100	Lower	Upper
59	100	9.0	13.6
57	10.9		

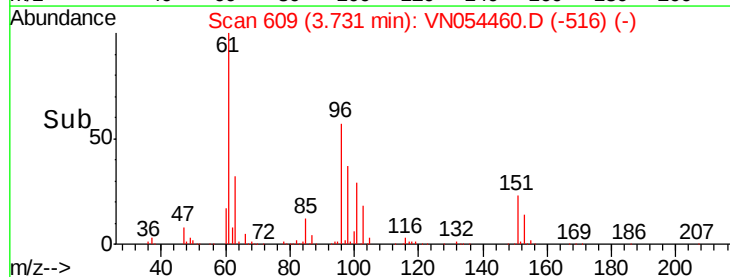
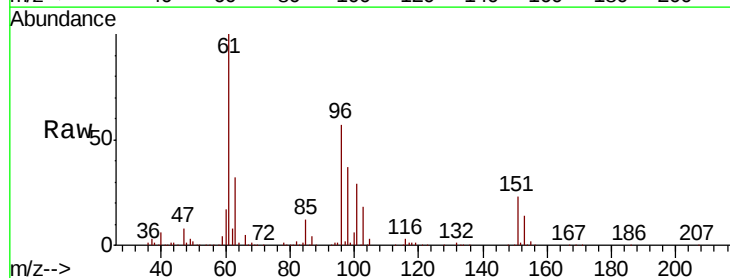
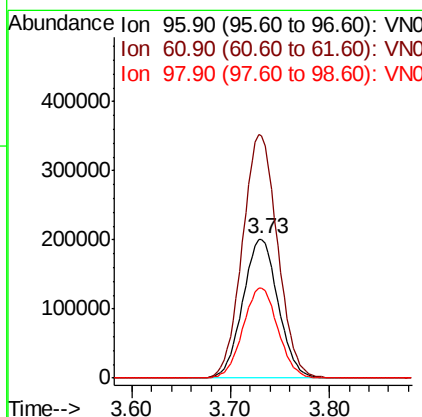
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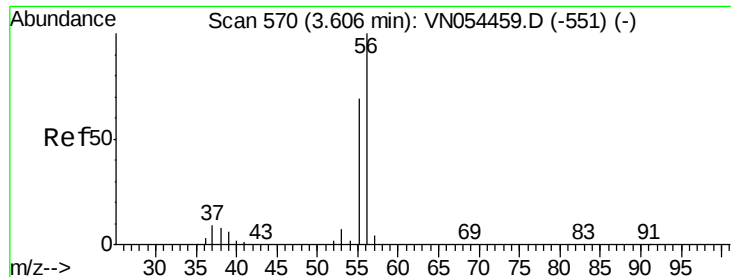
MMDadoda
3/22/2019 3:17:20 PM



#12
1,1-Dichloroethene
Concen: 87.393 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Tgt Ion	96	Resp	497675
Ion Ratio	100	Lower	Upper
96	100	116.5	174.7
61	174.6	51.0	76.4
98	65.3		





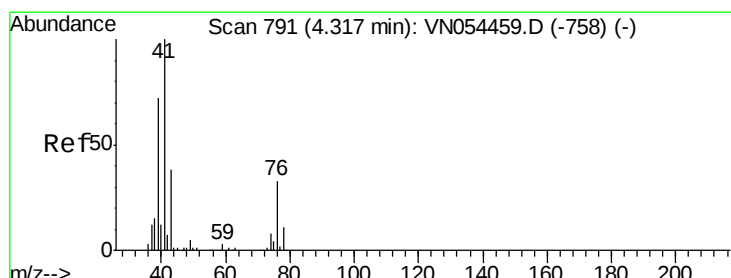
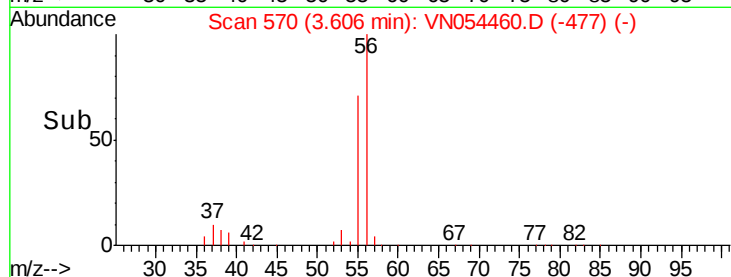
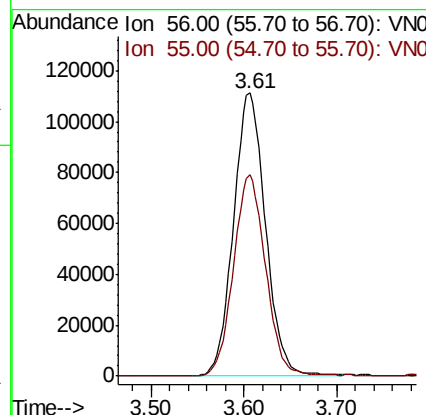
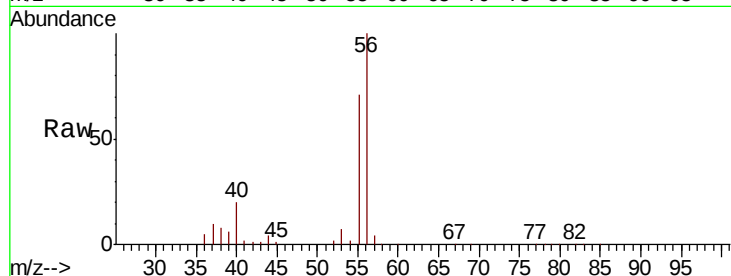
#13
Acrolein
Concen: 705.660 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	56	55	Ratio	Lower	Upper
266855	100	70.4		56.7	85.1

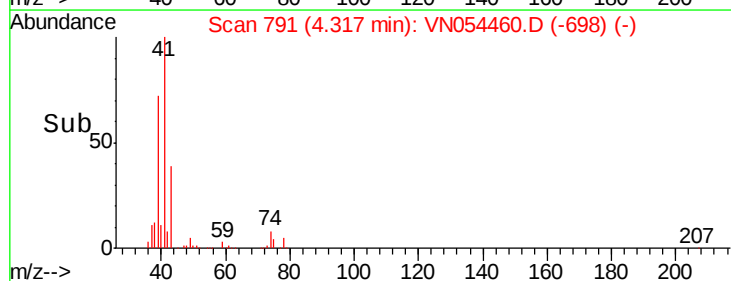
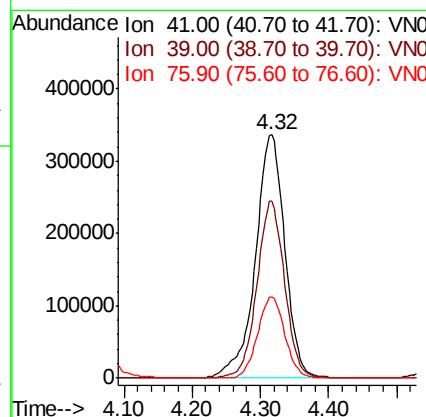
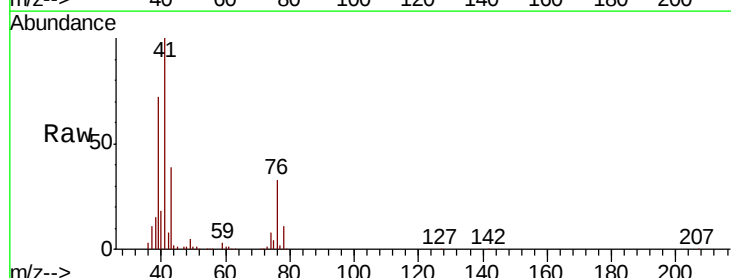
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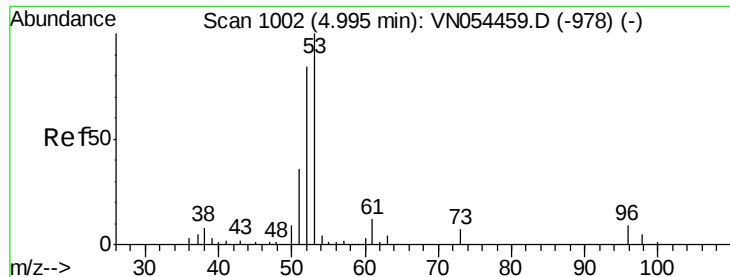
MMDadoda
3/22/2019 3:17:20 PM



#14
Allyl chloride
Concen: 137.785 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Tgt Ion	41	39	76	Ratio	Lower	Upper
1006725	100	68.2	30.6		58.2	87.4





#15

Acrylonitrile

Concen: 644.599 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 53 Resp: 1056694

Ion Ratio Lower Upper

53 100

52 83.0 66.4 99.6

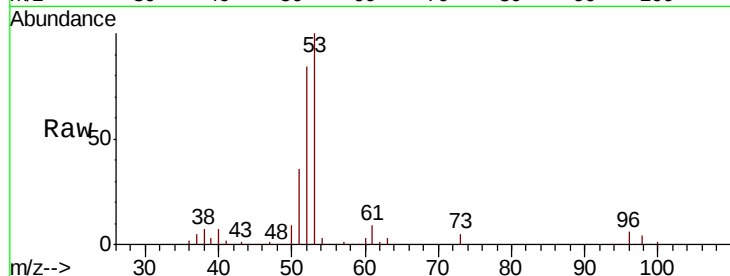
51 36.9 29.6 44.4

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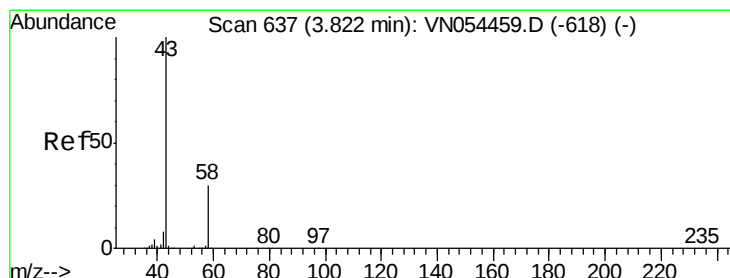
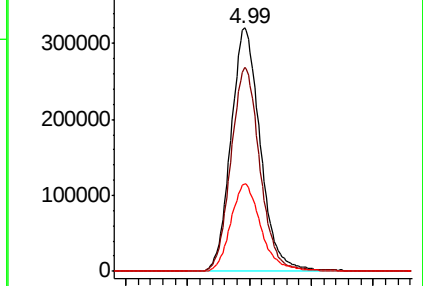
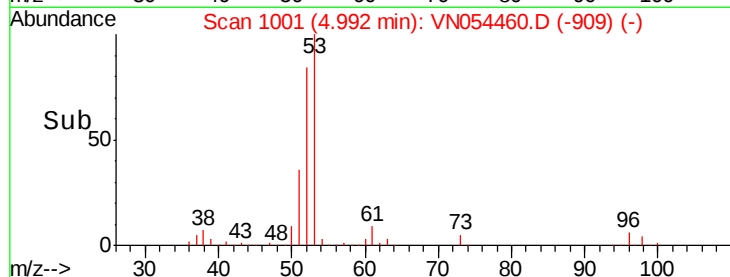
3/22/2019 3:17:20 PM



Abundance Ion 53.00 (52.70 to 53.70): VN054459.D (-978) (-)

Ion 52.00 (51.70 to 52.70): VN054459.D (-978) (-)

Ion 51.00 (50.70 to 51.70): VN054459.D (-978) (-)



#16

Acetone

Concen: 582.813 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054460.D

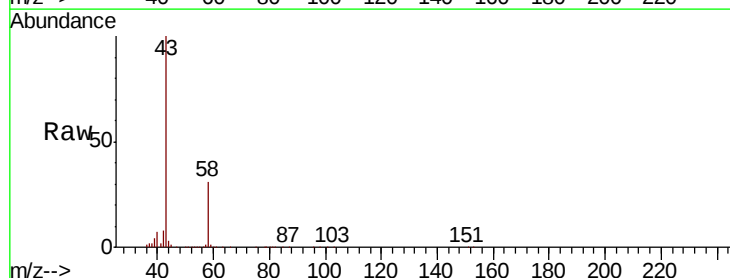
Acq: 20 Mar 2019 12:09

Tgt Ion: 43 Resp: 971430

Ion Ratio Lower Upper

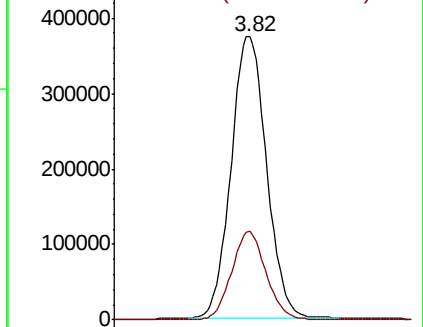
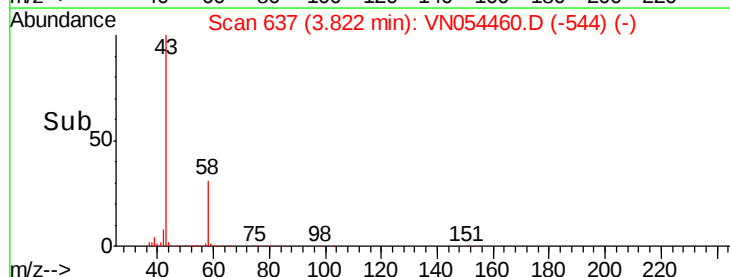
43 100

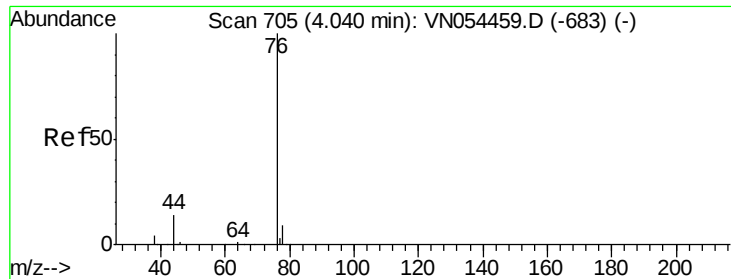
58 31.2 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-618) (-)





#17

Carbon Disulfide

Concen: 100.342 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1432456

Ion Ratio Lower Upper

76 100

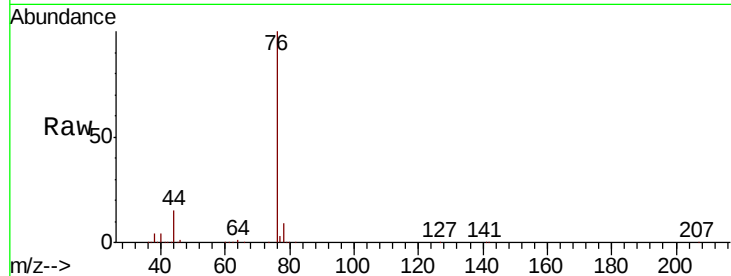
78 9.0 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

600000

500000

400000

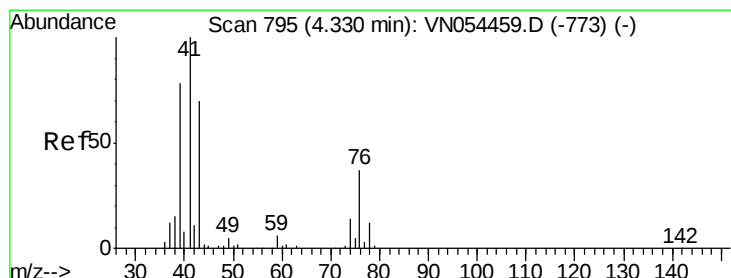
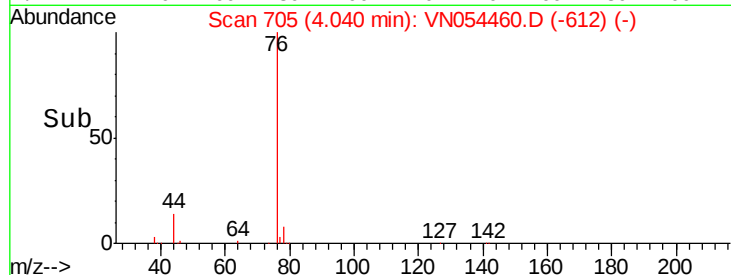
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 135.010 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054460.D

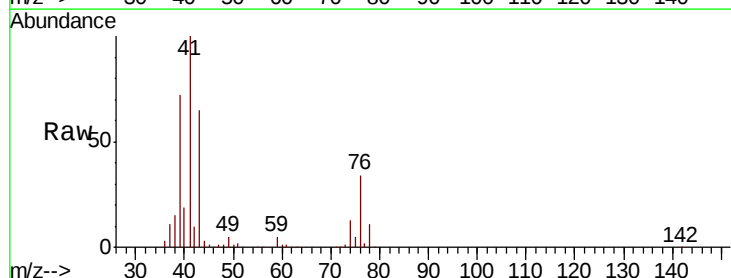
Acq: 20 Mar 2019 12:09

Tgt Ion: 43 Resp: 455283

Ion Ratio Lower Upper

43 100

74 21.2 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

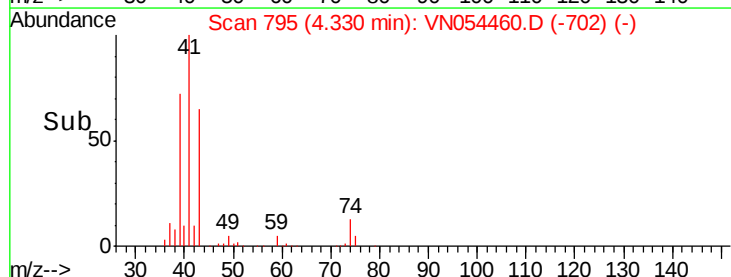
150000

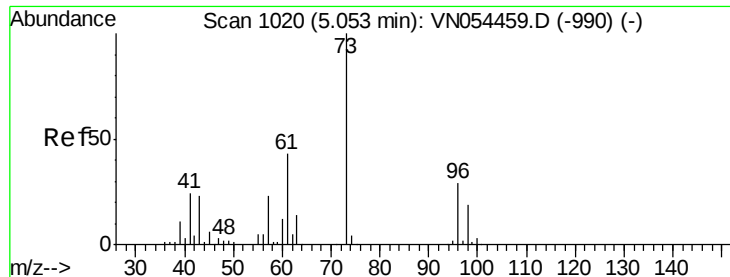
100000

50000

0

Time-->





#19

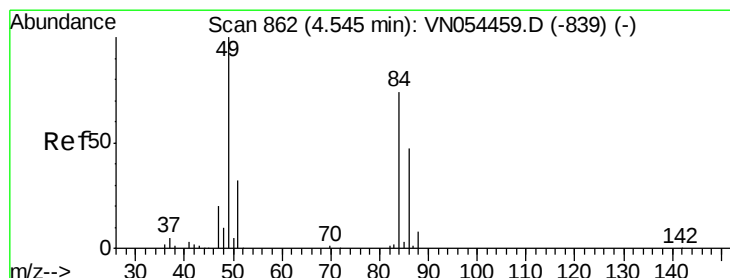
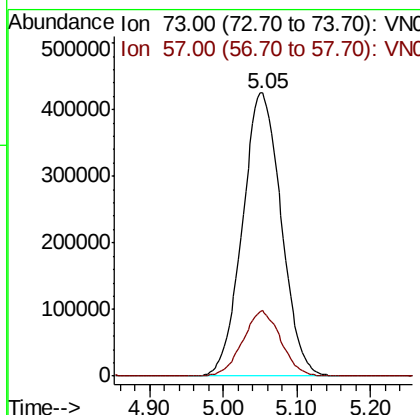
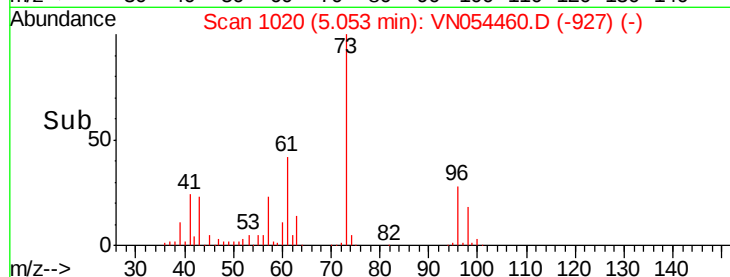
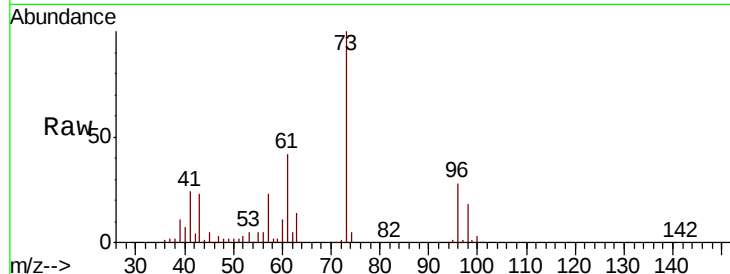
Methyl tert-butyl Ether
 Concen: 110.198 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 73 Resp: 1555486
 Ion Ratio Lower Upper
 73 100
 57 23.1 16.8 25.2

Manual Integrations
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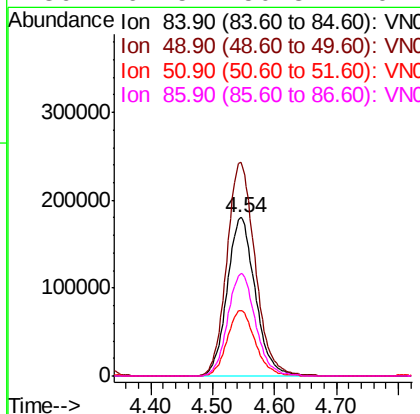
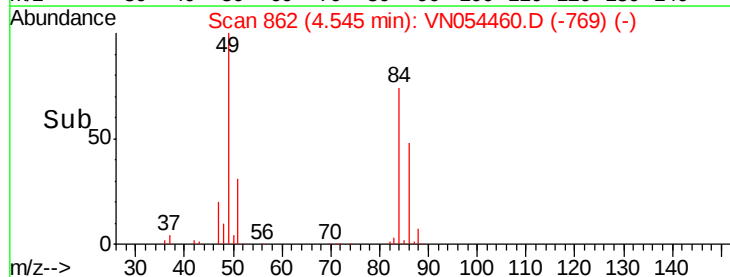
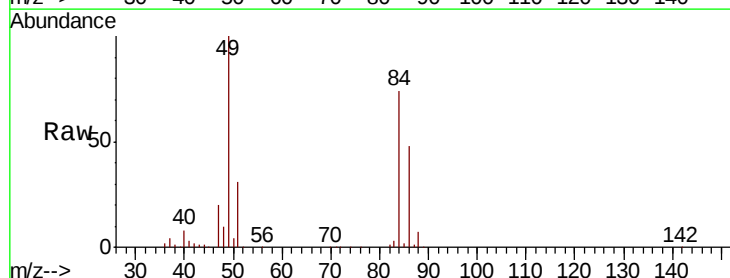
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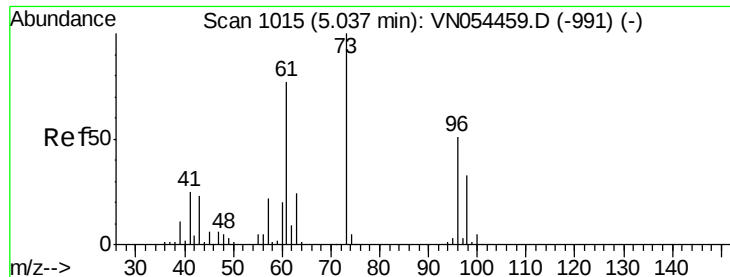


#20

Methylene Chloride
 Concen: 104.018 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Tgt Ion: 84 Resp: 569291
 Ion Ratio Lower Upper
 84 100
 49 134.6 89.7 134.5#
 51 41.6 28.2 42.4
 86 64.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 99.156 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 541024

Ion Ratio Lower Upper

96 100

61 152.5 102.8 154.2

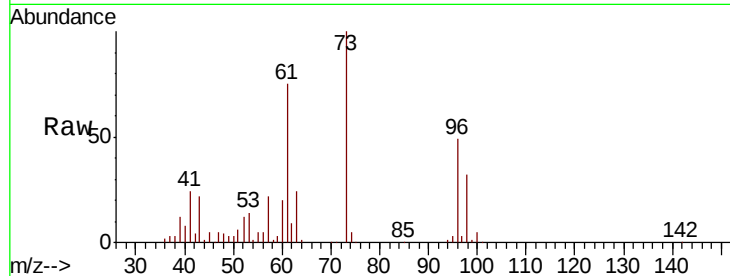
98 66.3 50.0 75.0

Manual Integrations

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3/22/2019 3:17:20 PM

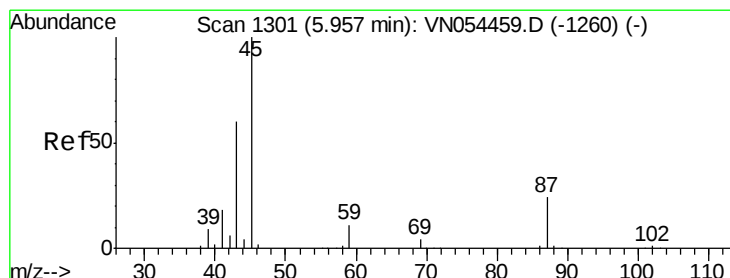
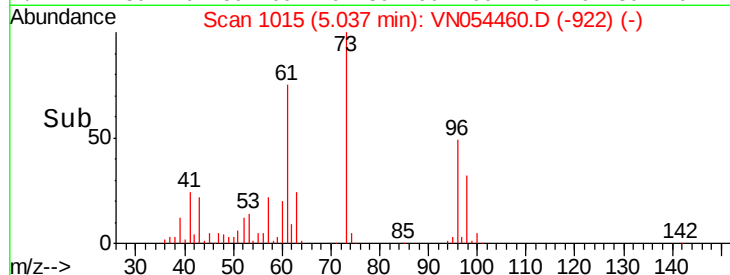
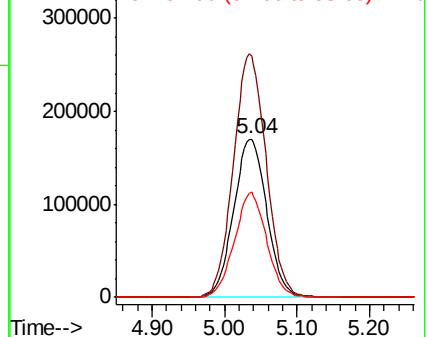


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 137.951 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Tgt Ion: 45 Resp: 2011663

Ion Ratio Lower Upper

45 100

43 56.3 48.2 72.2

87 24.7 24.9 37.3#

59 10.7 9.5 14.3

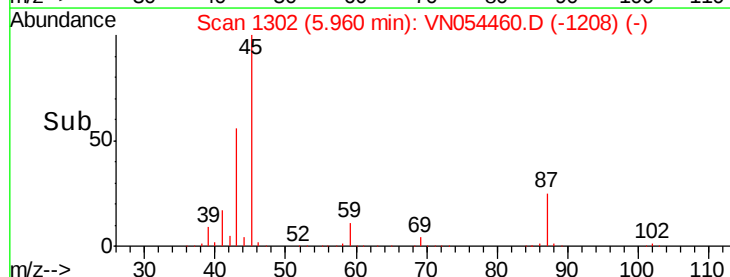
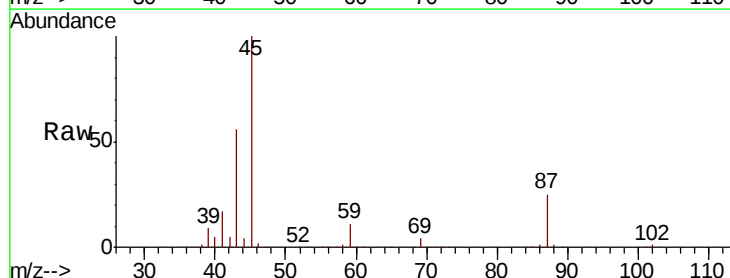
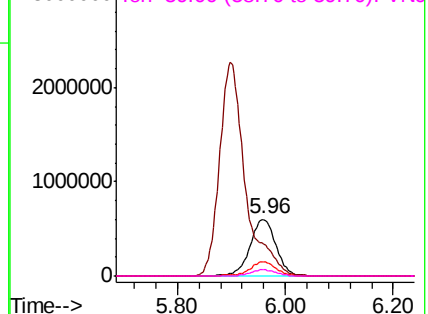
Abundance

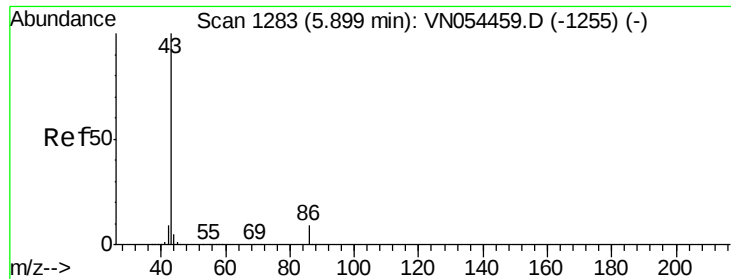
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 701.033 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

ClientSampled :

VSTDICC100

Tot Ion: 43 Resp: 7537317

Ion Ratio Lower Upper

43 100

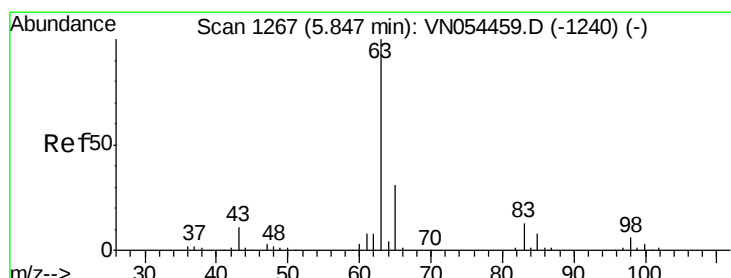
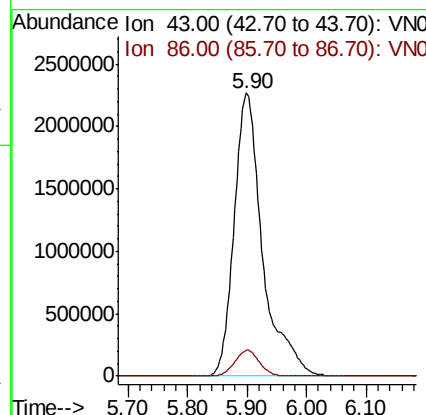
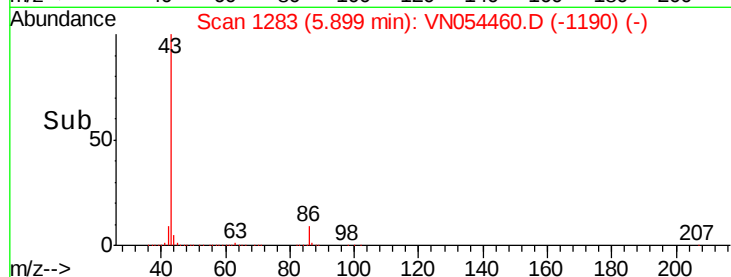
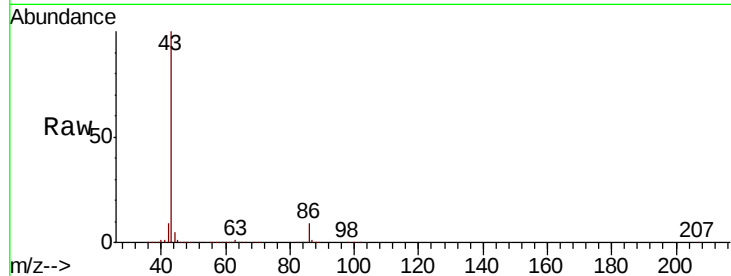
86 9.0 9.1 13.7#

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 112.560 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

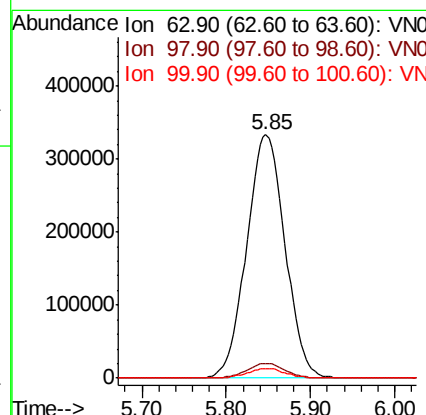
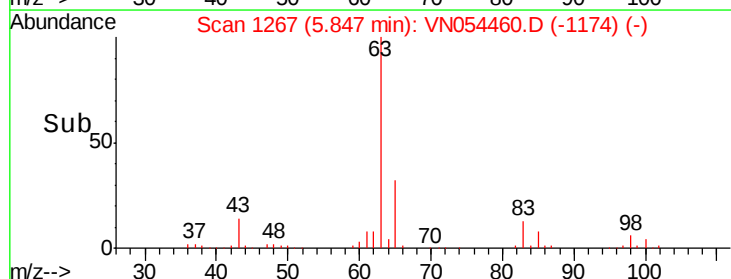
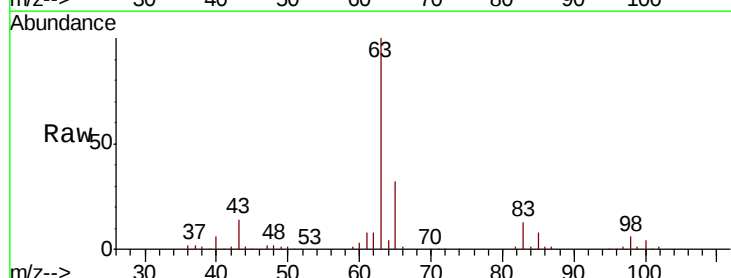
Tgt Ion: 63 Resp: 1053908

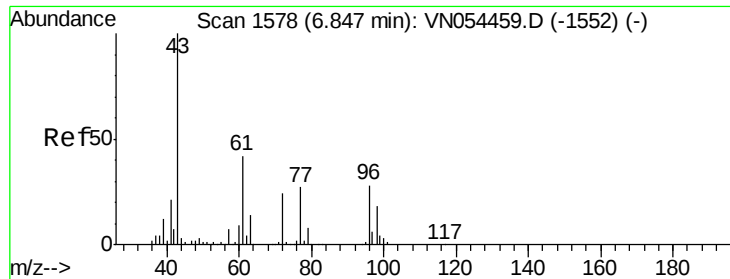
Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

100 3.8 2.0 6.0





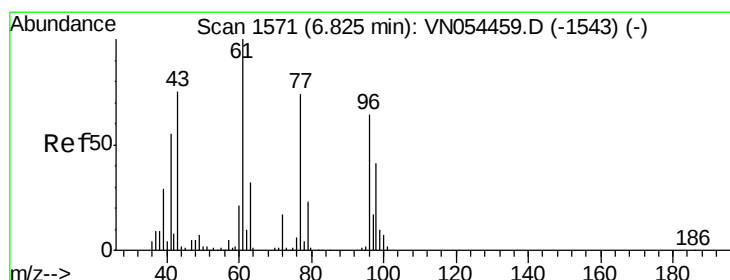
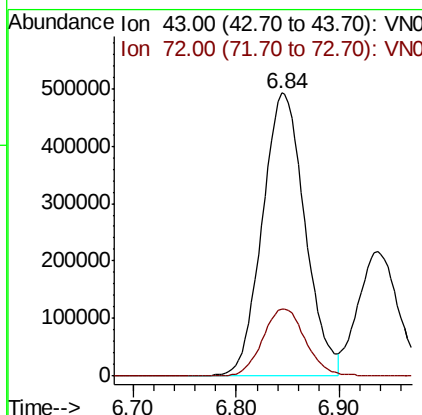
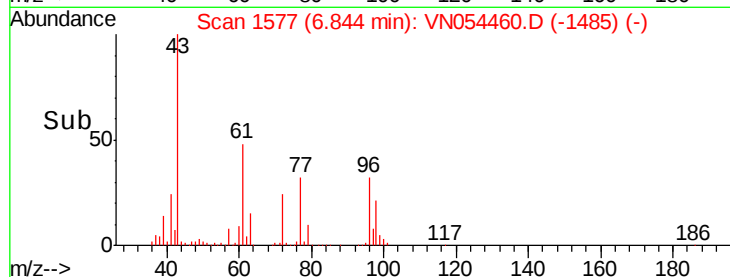
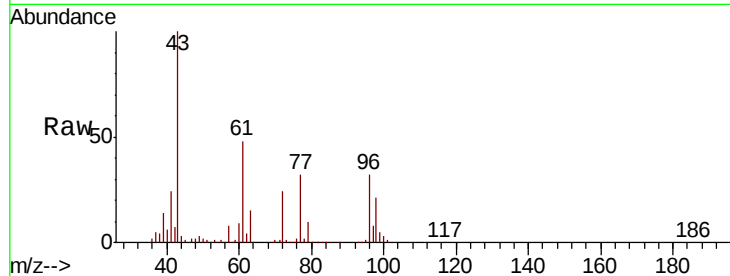
#25
2-Butanone
Concen: 719.370 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1407307
Ion Ratio Lower Upper
43 100
72 23.8 23.0 34.6

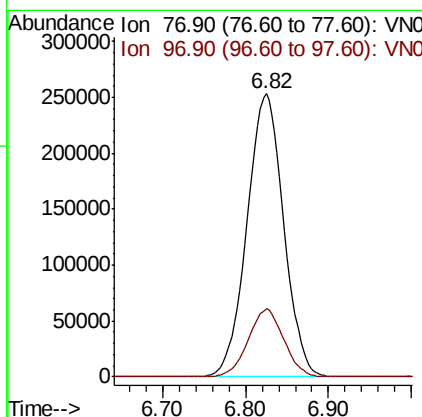
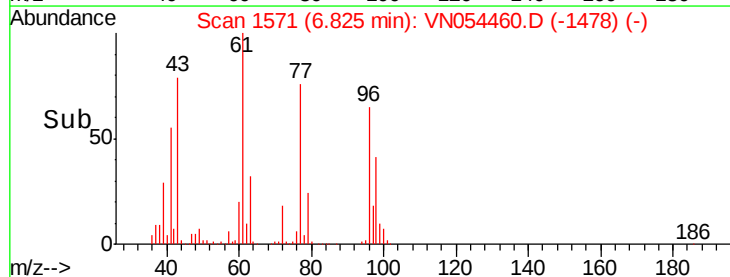
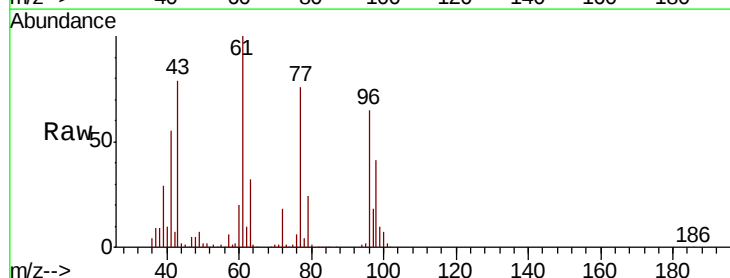
Manual Integrations
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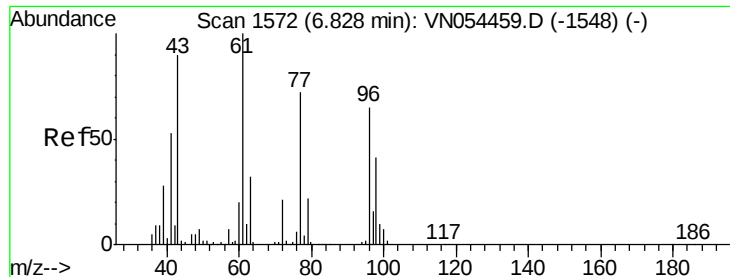
MMDadoda
3/22/2019 3:17:20 PM



#26
2,2-Dichloropropane
Concen: 94.386 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Tgt Ion: 77 Resp: 777163
Ion Ratio Lower Upper
77 100
97 23.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 104.114 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

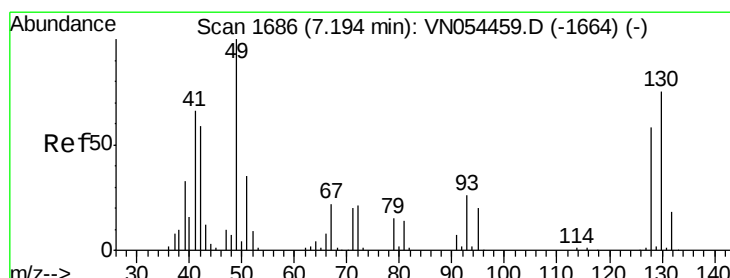
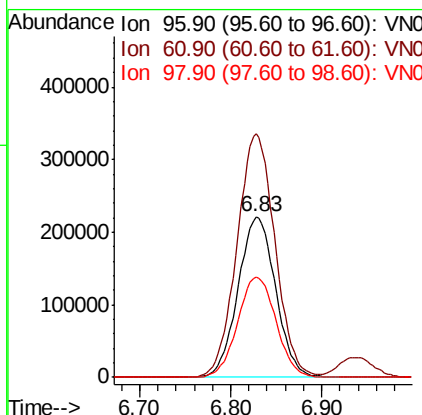
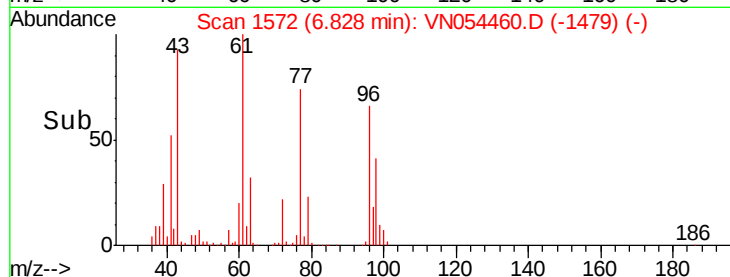
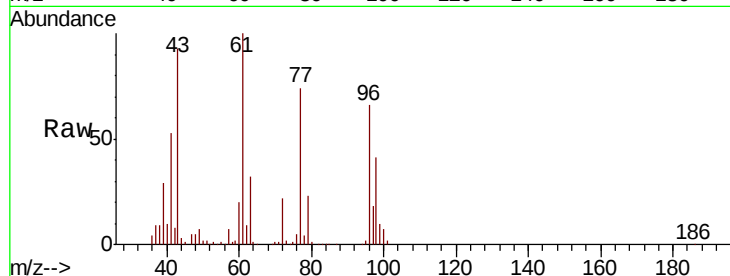
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	633751
Ion	Ratio	Lower	Upper
96	100		
61	153.4	0.0	273.0
98	64.1	0.0	130.6

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#28

Bromochloromethane

Concen: 137.601 ug/l

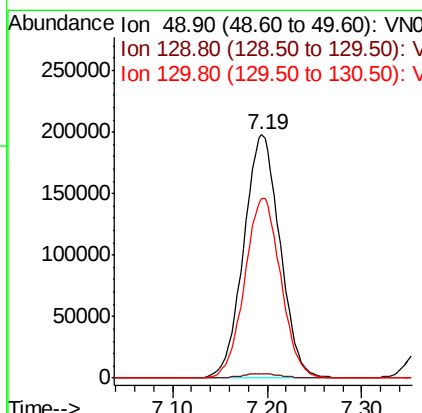
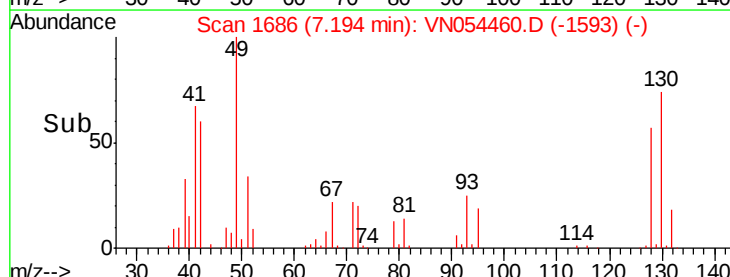
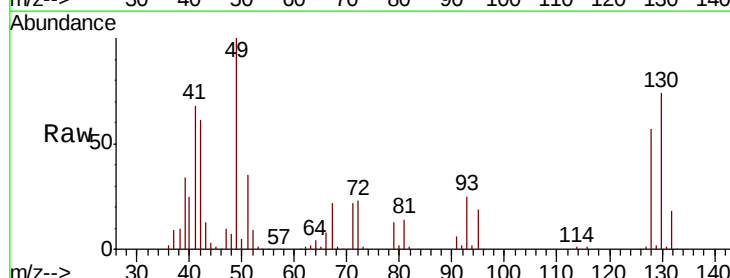
RT: 7.19 min Scan# 1686

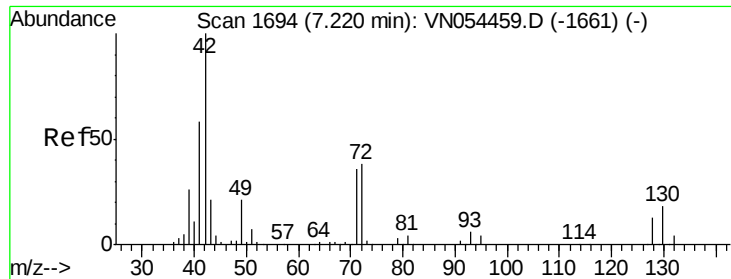
Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Tgt Ion:	49	Resp:	526702
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	73.8	76.7	115.1#





#29

Tetrahydrofuran

Concen: 722.937 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

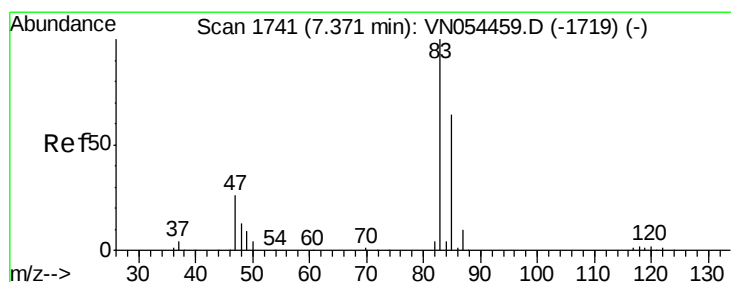
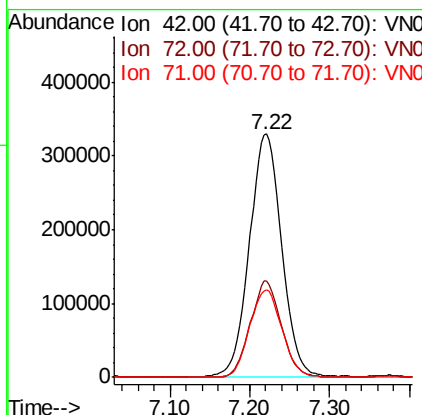
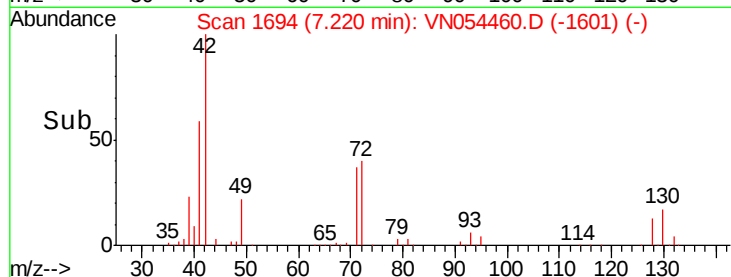
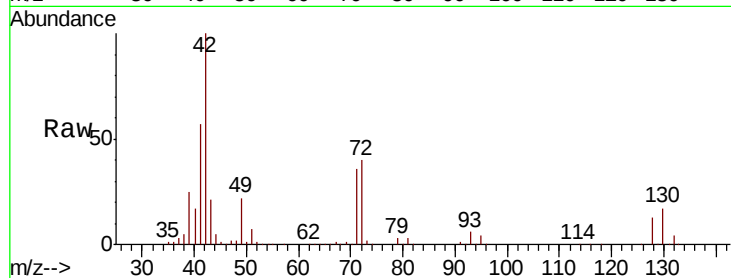
ClientSampleId :

VSTDIC100

Tot Ion:	42	Resp:	909333
Ion Ratio		Lower	Upper
42	100		
72	38.2	37.8	56.6
71	36.1	36.2	54.2#

Manual Integrations
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#30

Chloroform

Concen: 104.776 ug/l

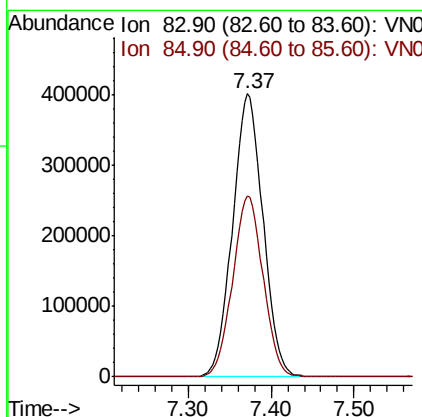
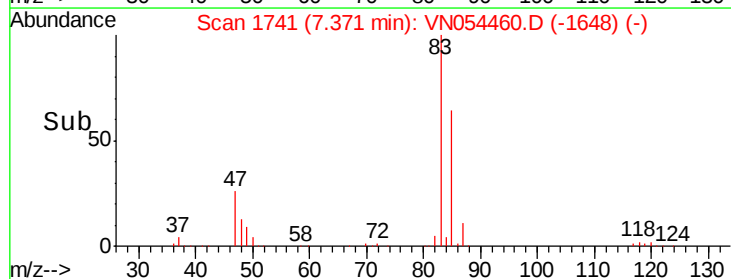
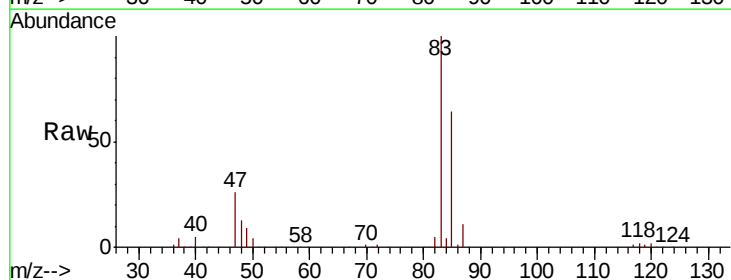
RT: 7.37 min Scan# 1741

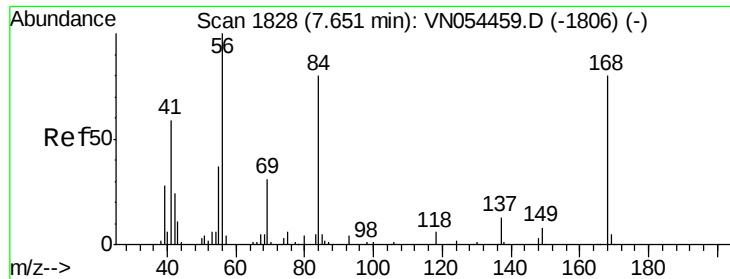
Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Tgt Ion:	83	Resp:	1023696
Ion Ratio		Lower	Upper
83	100		
85	64.0	52.2	78.4





#31

Cyclohexane

Concen: 100.367 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 1011572

Ion Ratio Lower Upper

56 100

69 29.4 27.8 41.6

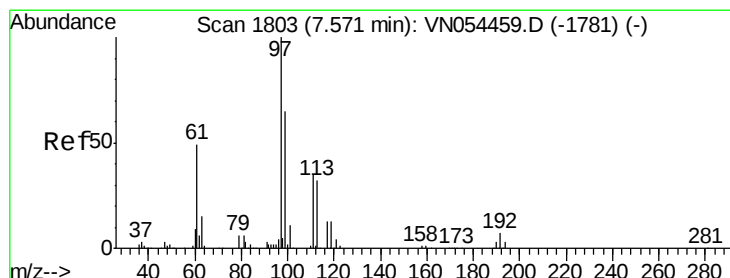
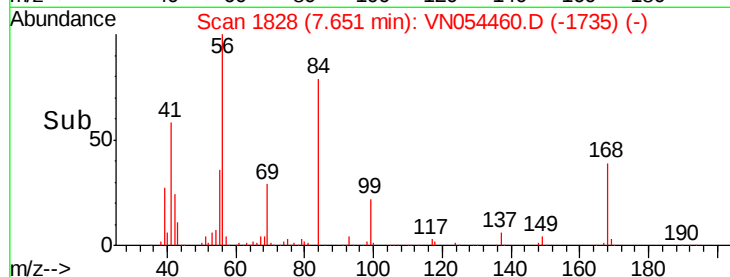
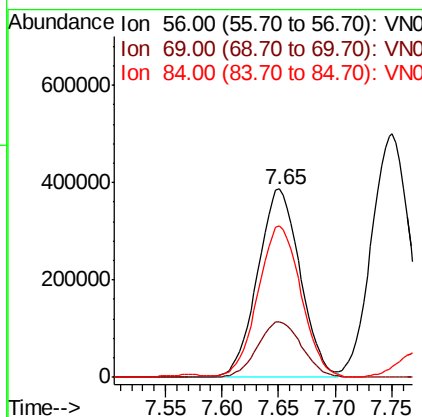
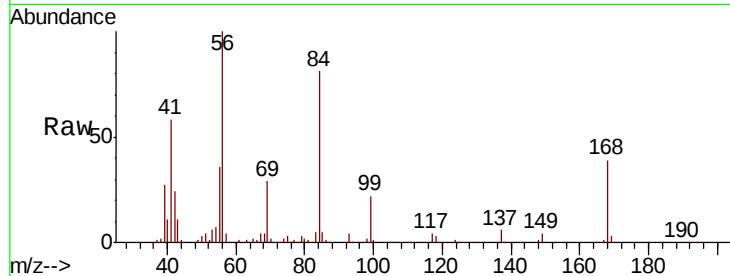
84 79.3 74.6 111.8

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 100.770 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

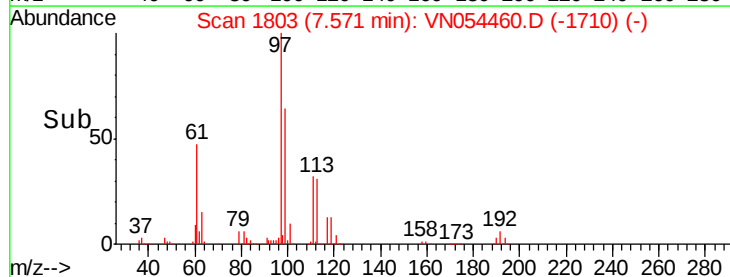
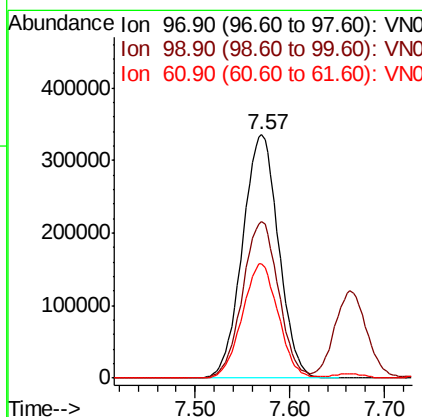
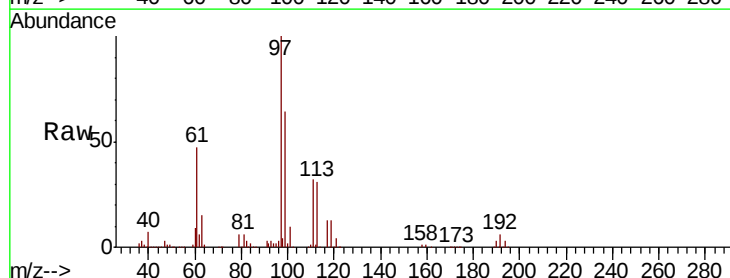
Tgt Ion: 97 Resp: 889189

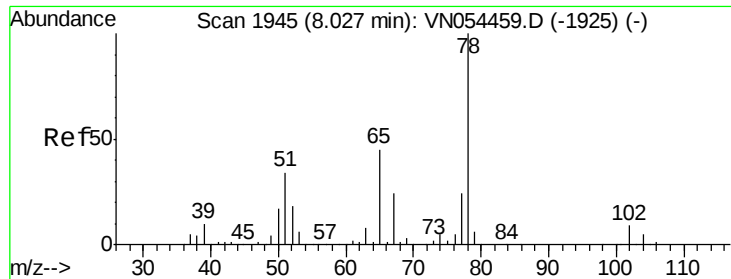
Ion Ratio Lower Upper

97 100

99 64.2 51.5 77.3

61 46.8 33.6 50.4





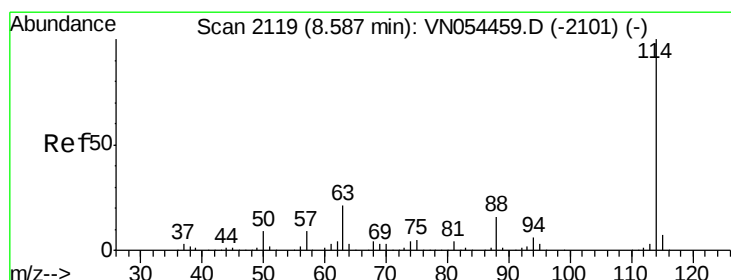
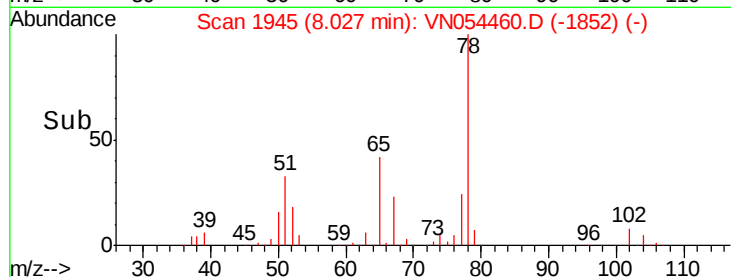
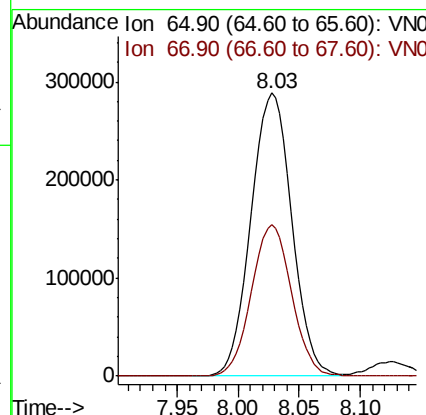
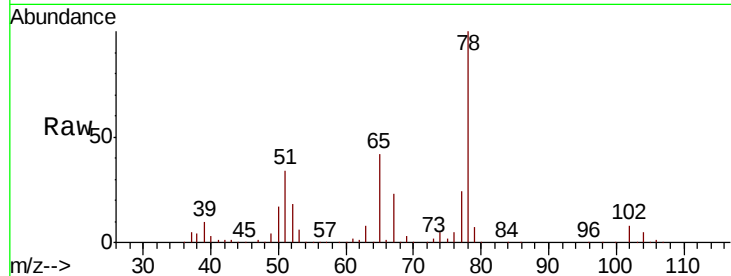
#33
 1,2-Dichloroethane-d4
 Concen: 115.088 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	669969		
67	52.8	0.0	104.6	

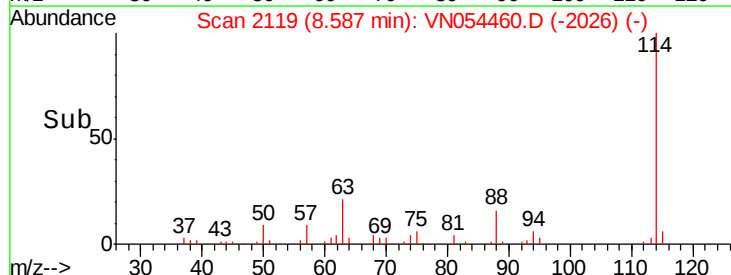
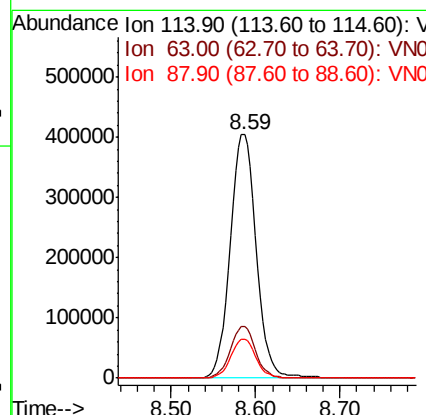
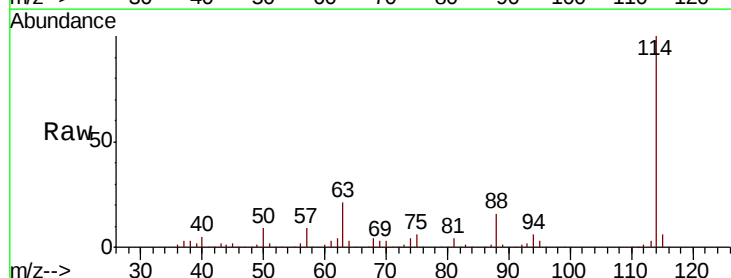
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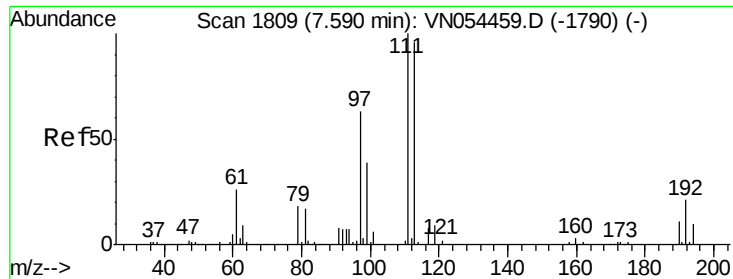
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	870071		
63	21.3	0.0	35.2	
88	15.8	0.0	30.2	





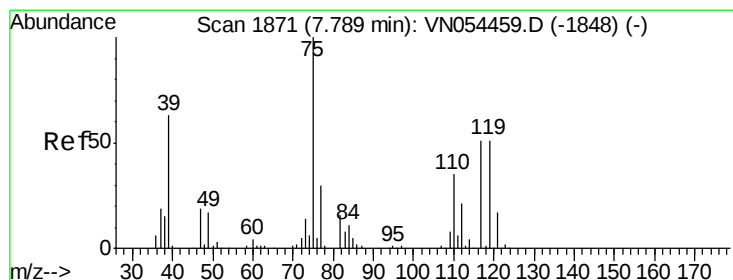
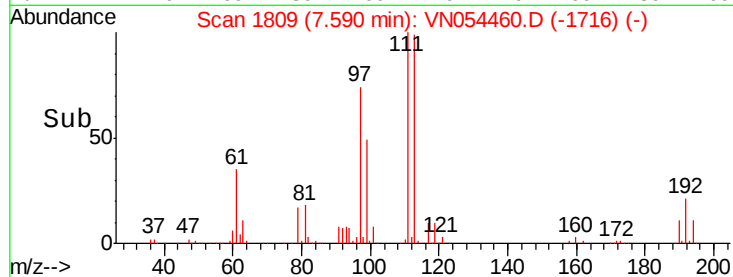
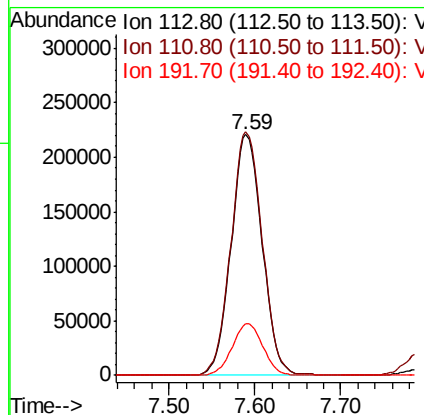
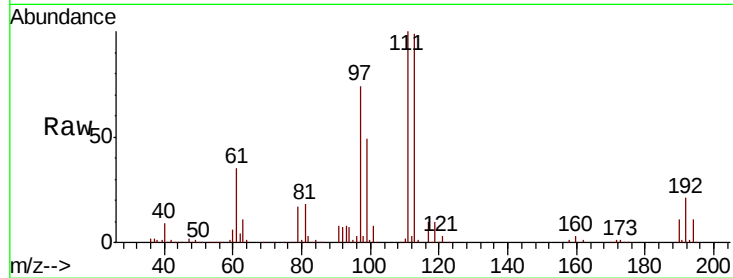
#35
 Dibromofluoromethane
 Concen: 98.476 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	82.2	123.4	
192	21.4	19.2	28.8	

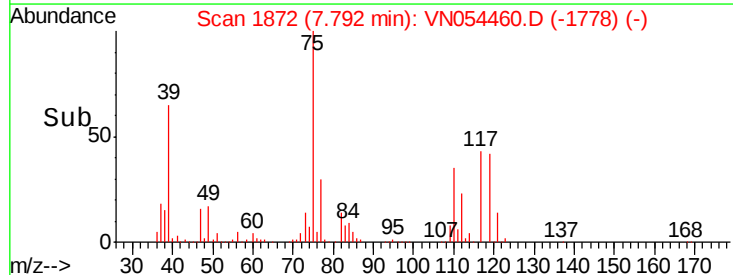
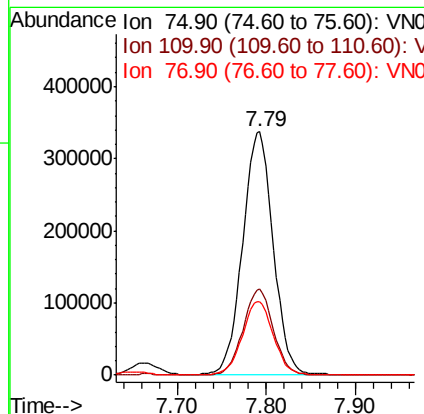
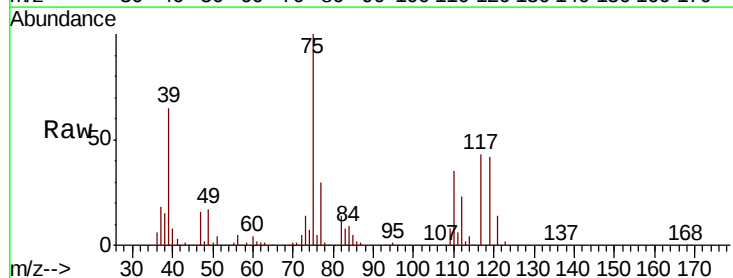
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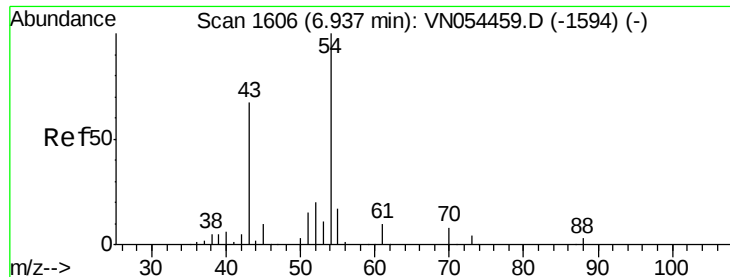
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 99.809 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.1	19.1	57.5	
77	31.0	25.0	37.4	





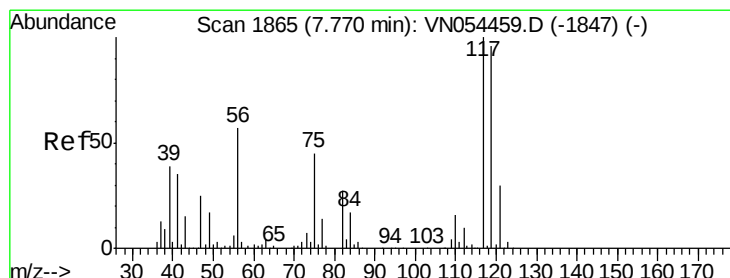
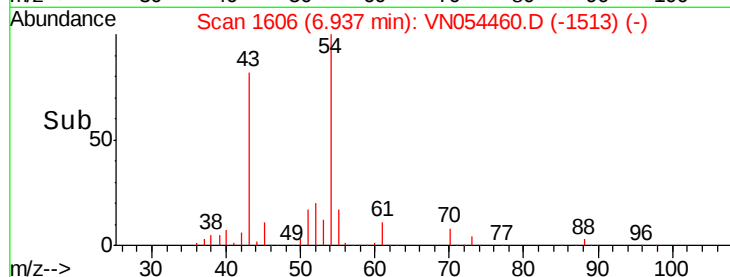
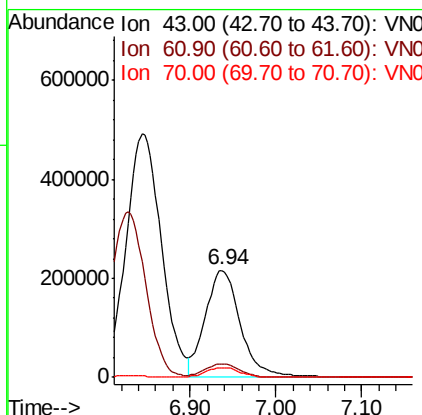
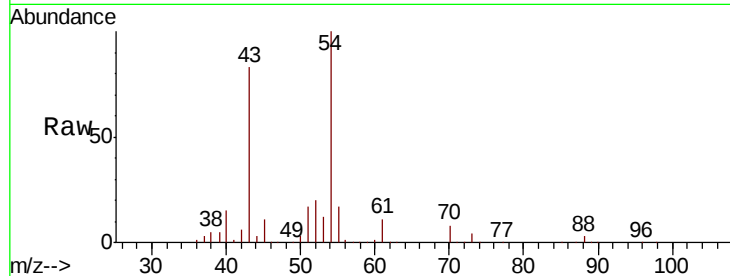
#37
Ethyl Acetate
Concen: 131.443 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.8	17.6
70	8.8	8.4	12.6

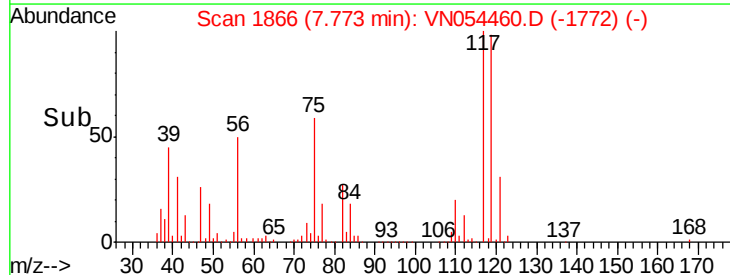
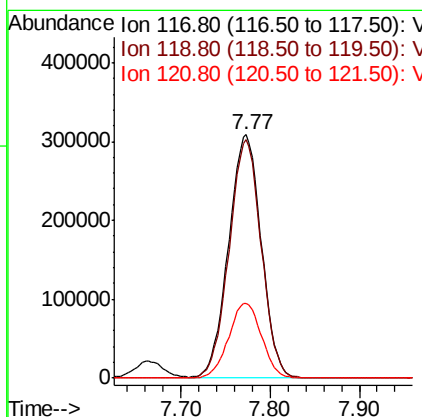
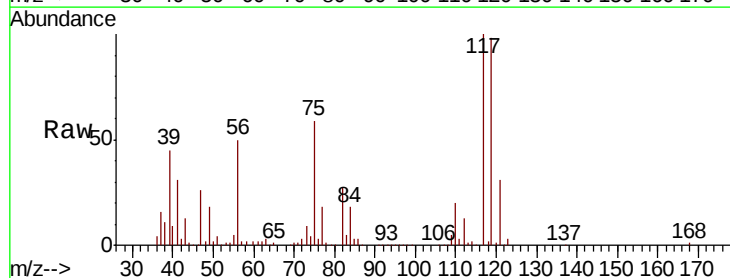
Manual Integrations
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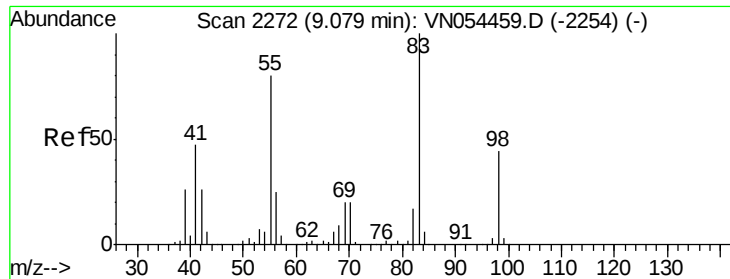
MMDadoda
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#38
Carbon Tetrachloride
Concen: 93.175 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.3	114.5
121	30.6	24.6	36.8





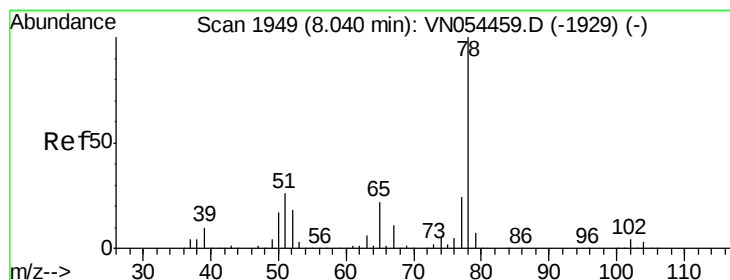
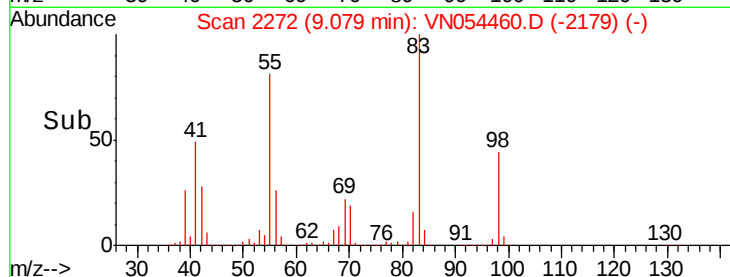
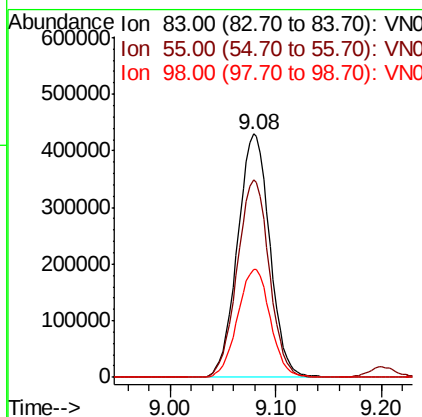
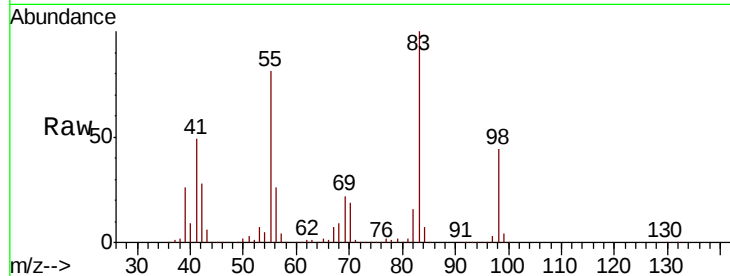
#39
Methvlcvclohexane
Concen: 92.457 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.1	56.6	84.8
98	44.2	38.4	57.6

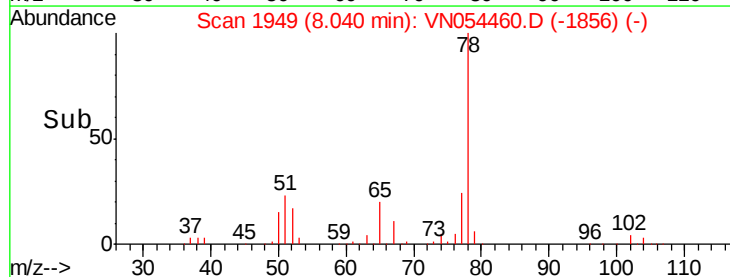
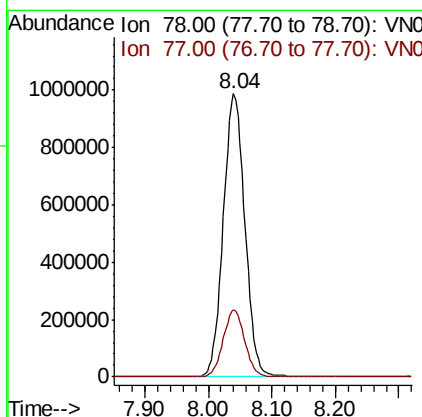
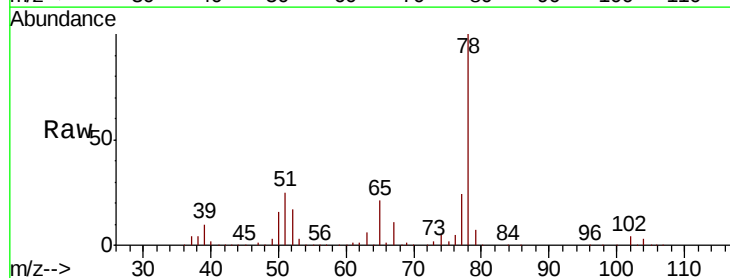
Manual Integrations
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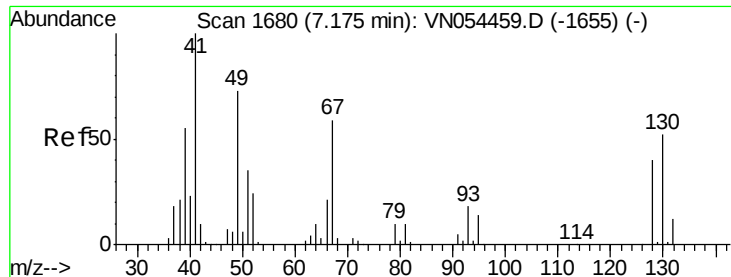
MMDadoda
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#40
Benzene
Concen: 101.337 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





#41

Methacrylonitrile

Concen: 134.941 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 354721
Ion Ratio Lower Upper

41 100

39 58.2 46.8 70.2

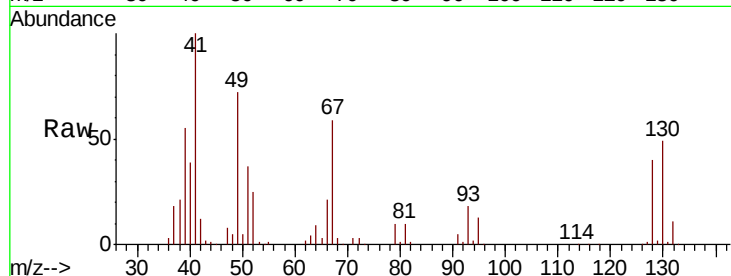
67 66.6 67.0 100.4#

52 27.7 26.5 39.7

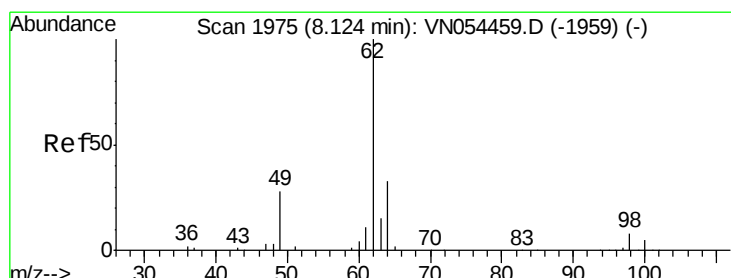
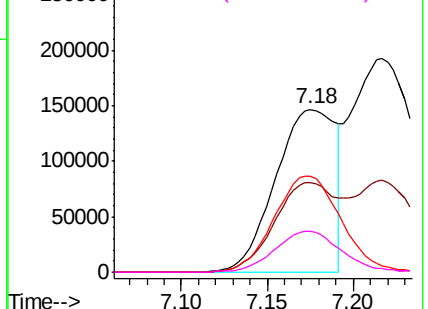
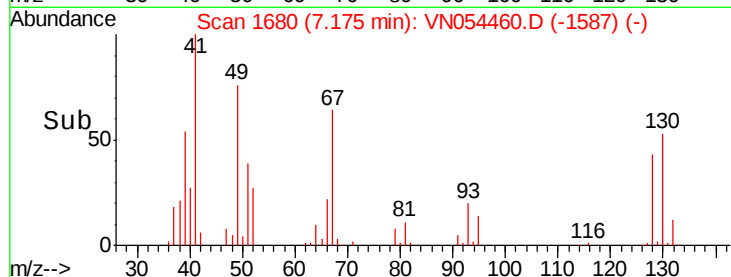
Manual Integrations
APPROVED

MMDadoda

3/22/2019 3:17:20 PM



Abundance Ion 41.00 (40.70 to 41.70): VNO
300000 Ion 39.00 (38.70 to 39.70): VNO
250000 Ion 67.00 (66.70 to 67.70): VNO
200000 Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 106.547 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

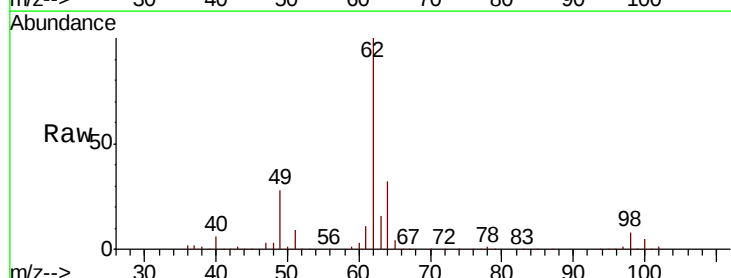
Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

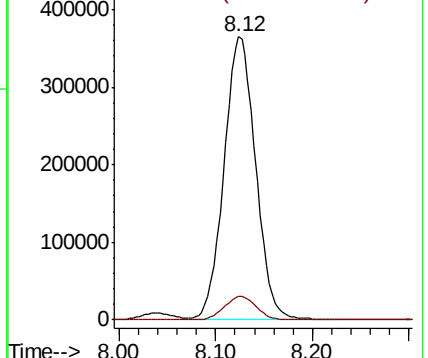
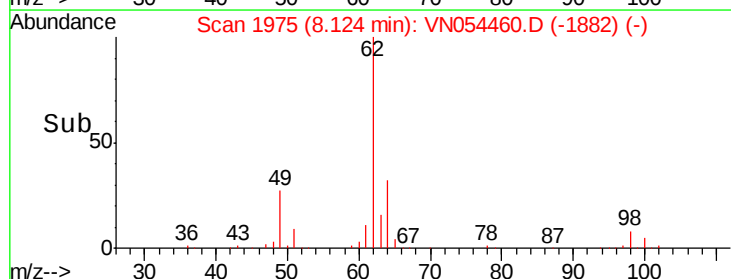
Tgt Ion: 62 Resp: 824793
Ion Ratio Lower Upper

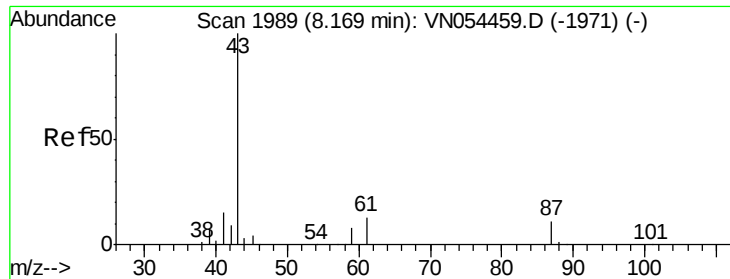
62 100

98 8.4 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
400000 Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 131.472 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1062453

Ion Ratio Lower Upper

43 100

61 17.9 15.8 23.8

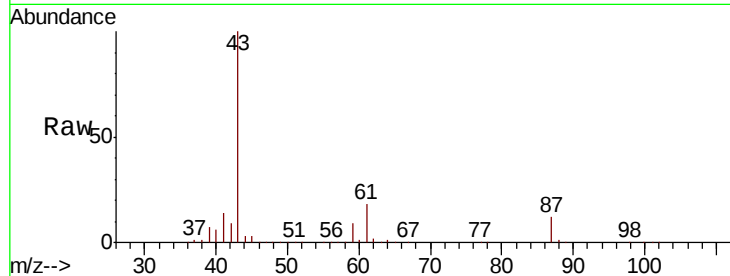
87 11.8 12.0 18.0#

Manual Integrations

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MMDadoda

3/22/2019 3:17:20 PM

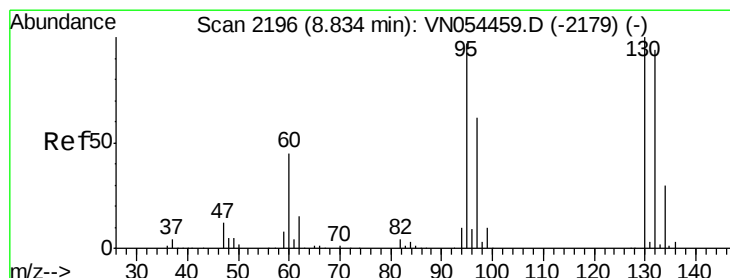
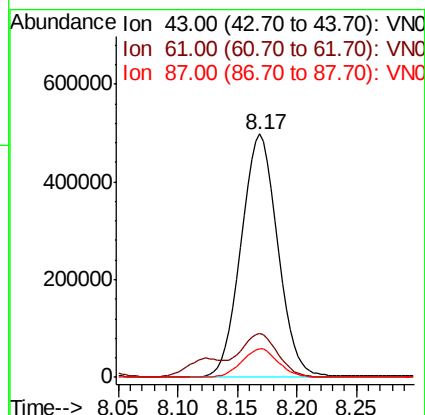
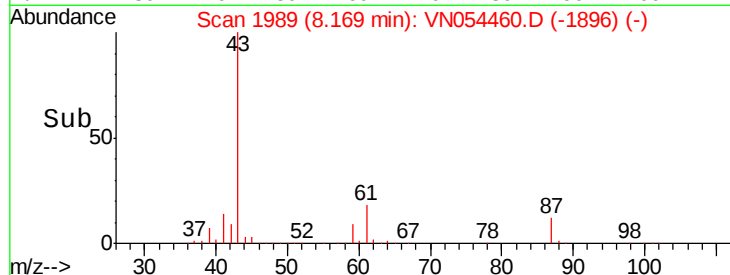


Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 89.460 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054460.D

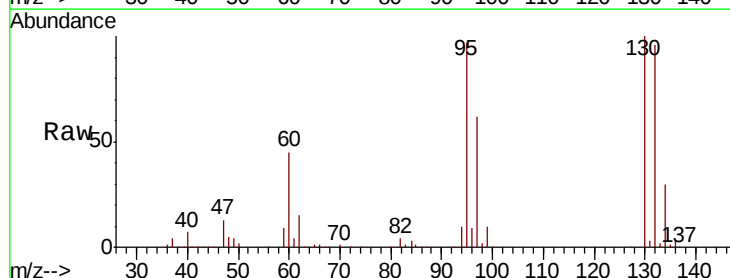
Acq: 20 Mar 2019 12:09

Tgt Ion:130 Resp: 637205

Ion Ratio Lower Upper

130 100

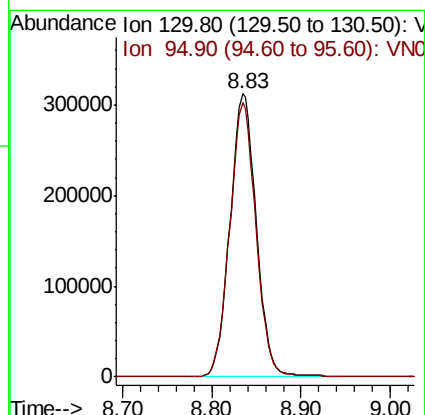
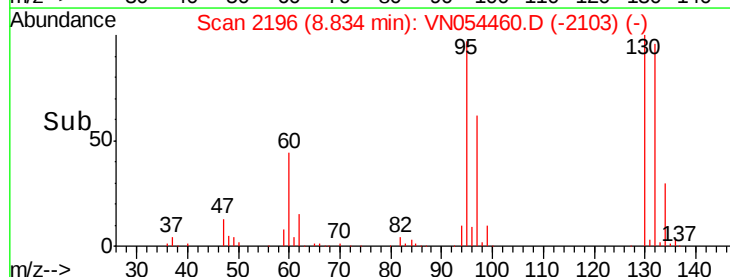
95 96.8 0.0 185.2

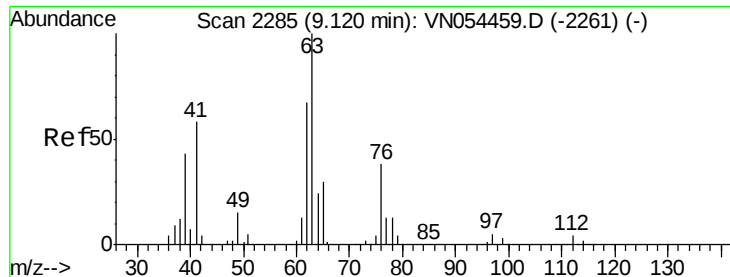


Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)

Time--> 8.70 8.80 8.90 9.00





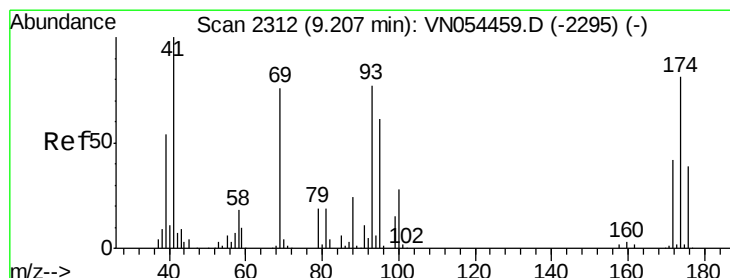
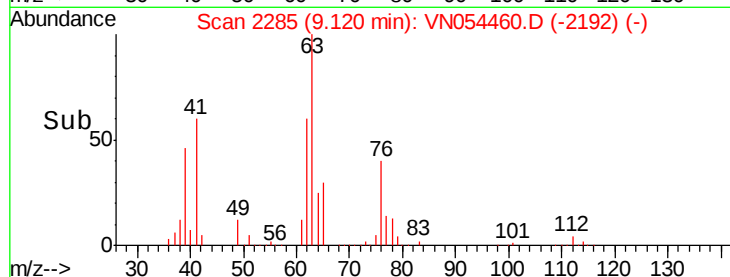
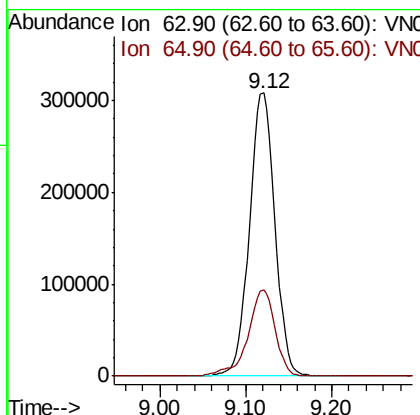
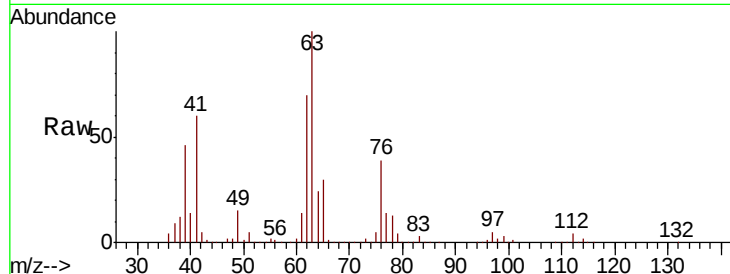
#45
 1,2-Dichloropropane
 Concen: 111.678 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 635831
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6

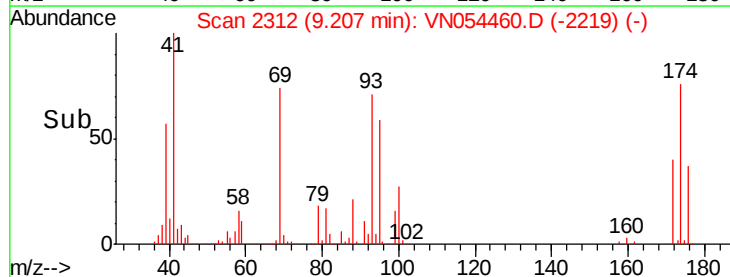
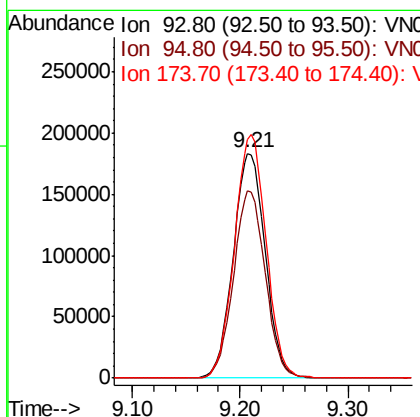
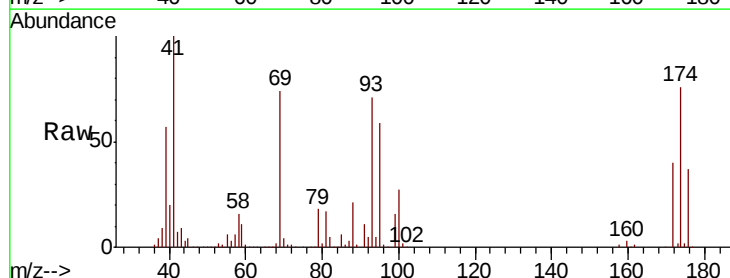
Manual Integrations
 APPROVED

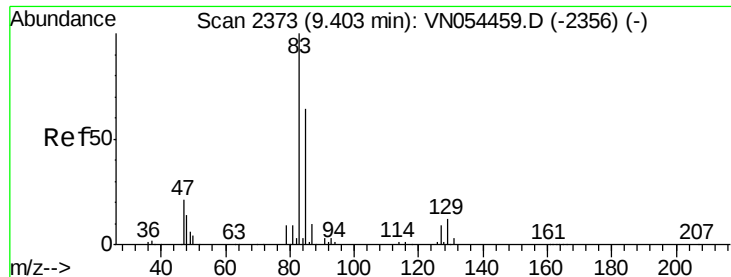
MMDadoda
 3/22/2019 3:17:20 PM



#46
 Dibromomethane
 Concen: 98.679 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Tgt Ion: 93 Resp: 379602
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.7 100.1
 174 107.3 98.5 147.7





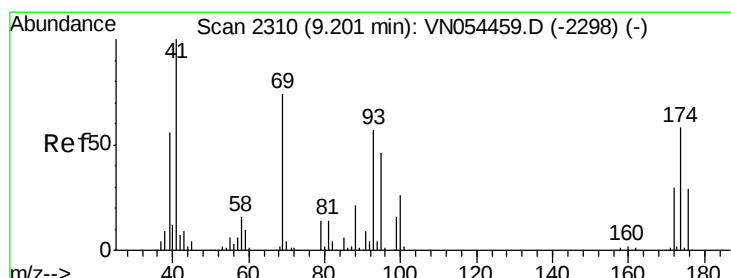
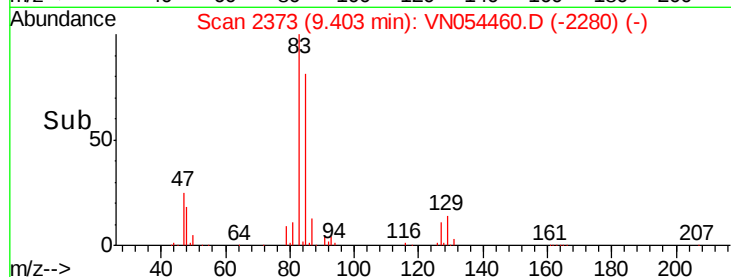
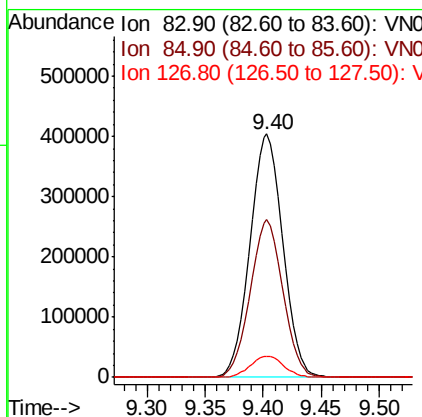
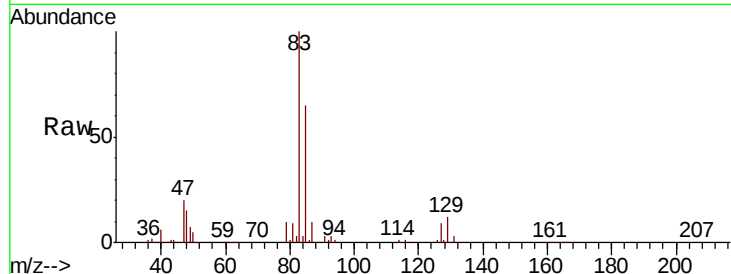
#47
Bromodichloromethane
Concen: 103.729 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.8	79.2
127	8.8	7.4	11.2

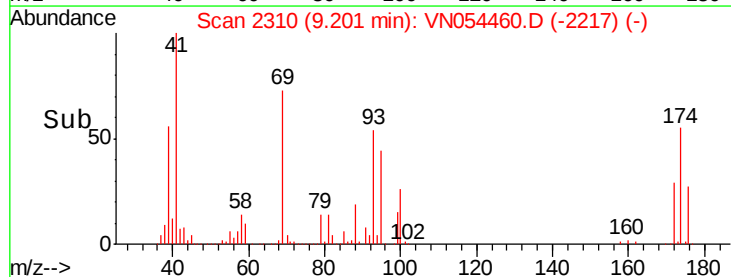
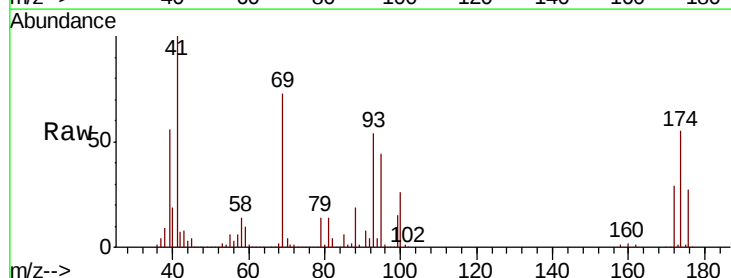
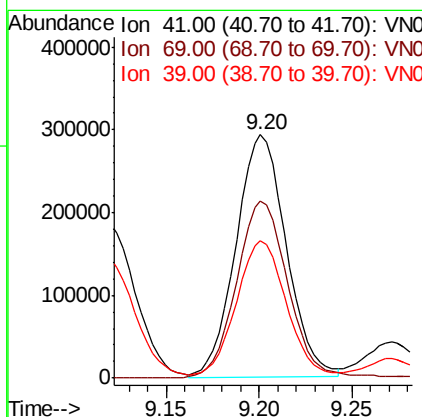
Manual Integrations
APPROVED

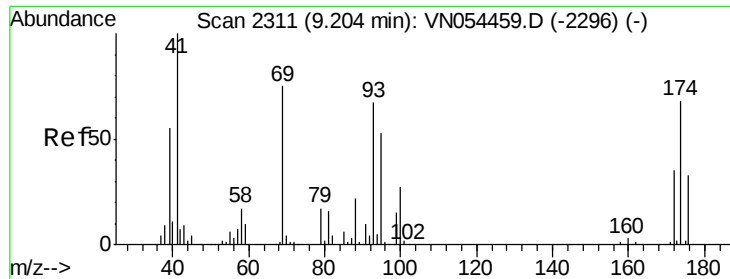
MMDadoda
3/22/2019 3:17:20 PM



#48
Methyl methacrylate
Concen: 135.201 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.8	72.6	108.8
39	56.6	47.5	71.3





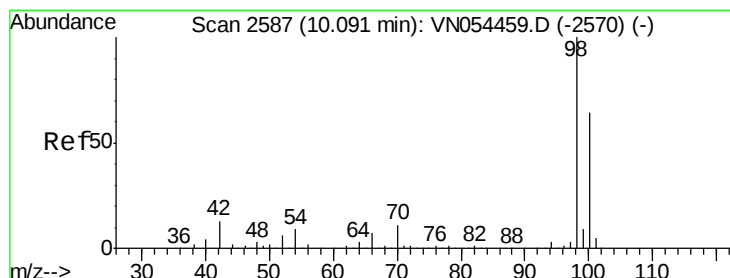
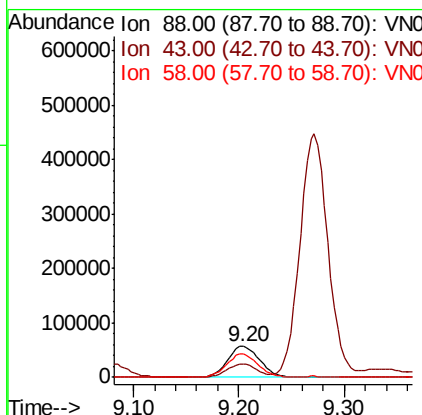
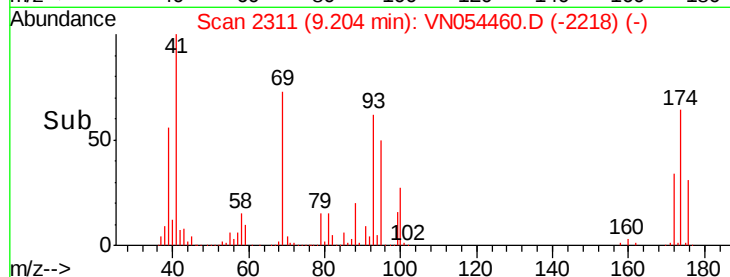
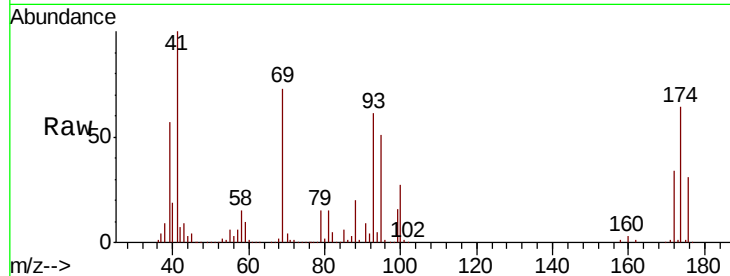
#49
1,4-Dioxane
Concen: 2102.924 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 88 Resp: 121989
Ion Ratio Lower Upper
88 100
43 37.3 24.1 36.1#
58 72.1 50.8 76.2

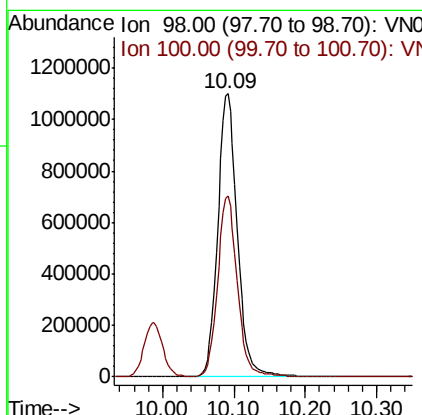
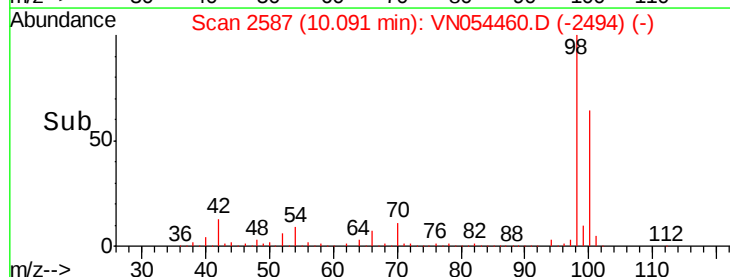
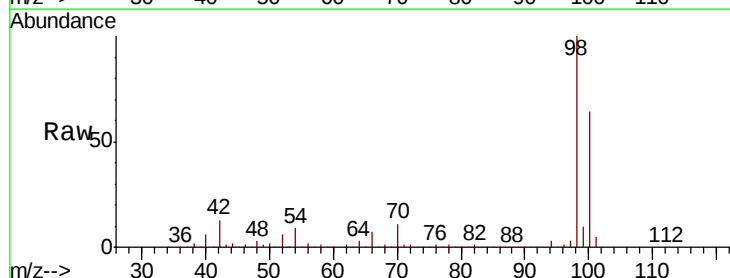
Manual Integrations
APPROVED

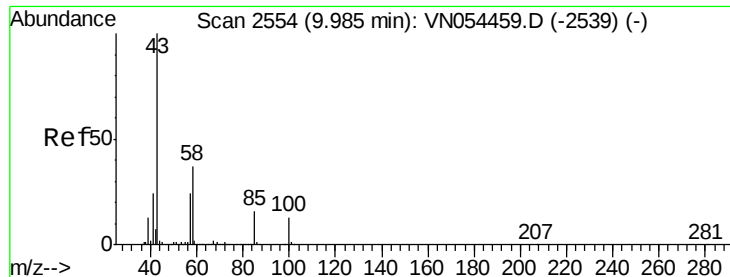
MMDadoda
3/22/2019 3:17:20 PM



#50
Toluene-d8
Concen: 100.965 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Tgt Ion: 98 Resp: 2092454
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 686.786 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2937123

Ion Ratio Lower Upper

43 100

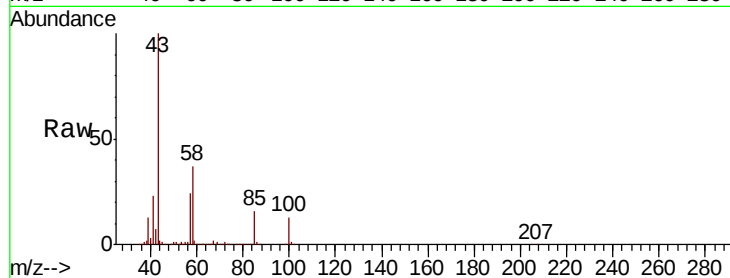
58 36.7 31.8 47.6

Manual Integrations

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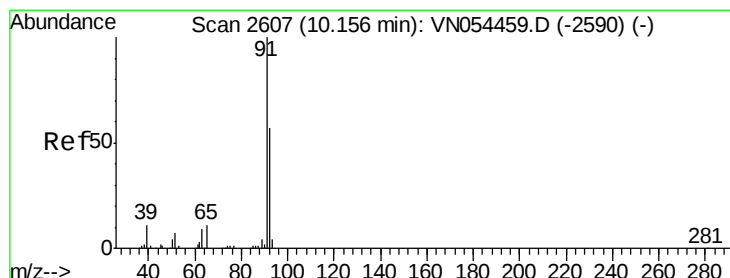
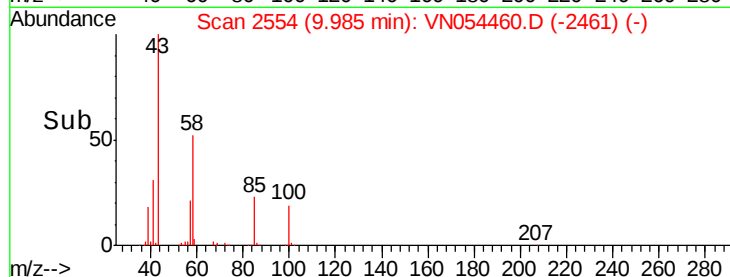
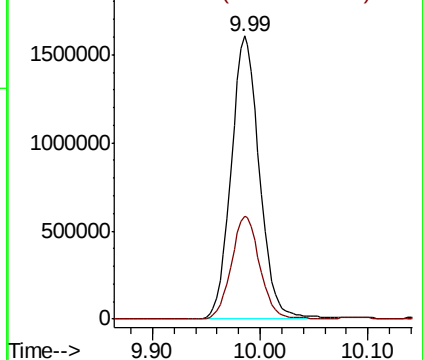
MMDadoda

3/22/2019 3:17:20 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 99.151 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054460.D

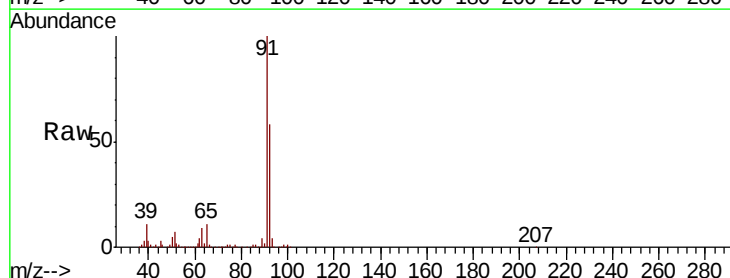
Acq: 20 Mar 2019 12:09

Tgt Ion: 92 Resp: 1441504

Ion Ratio Lower Upper

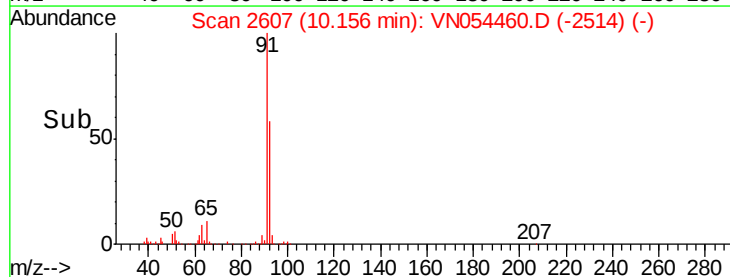
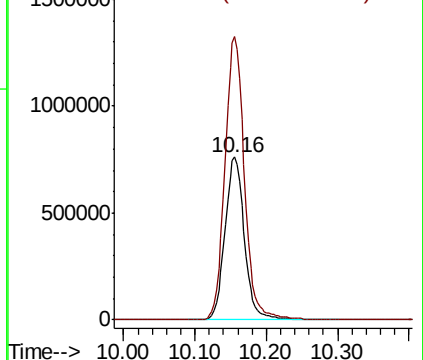
92 100

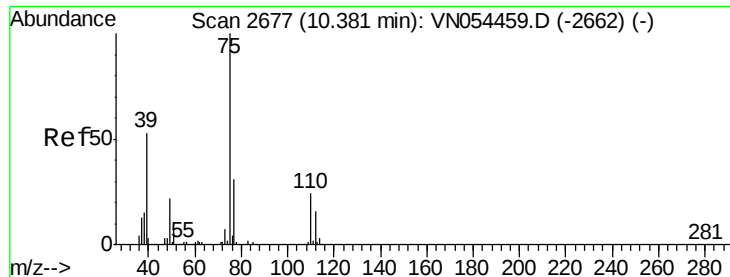
91 174.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 106.281 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 834214

Ion Ratio Lower Upper

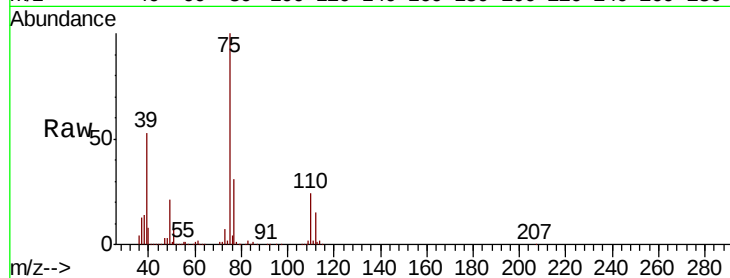
75 100

77 31.3 25.8 38.8

Manual Integrations
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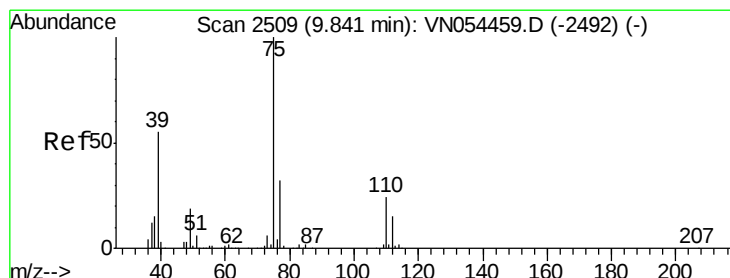
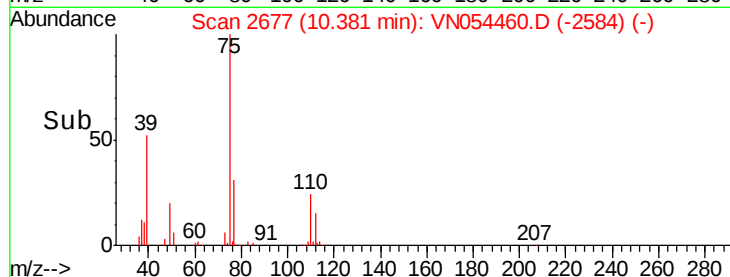
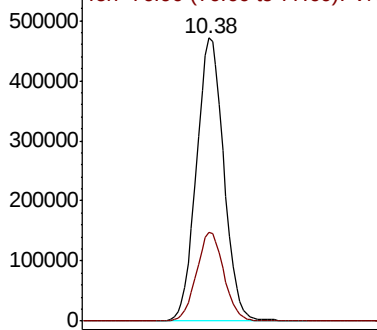
MMDadoda

3/22/2019 3:17:20 PM



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 108.249 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

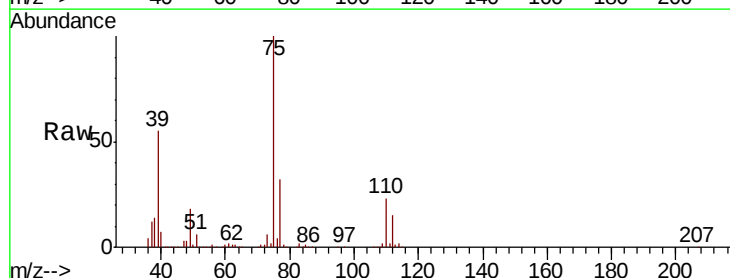
Tgt Ion: 75 Resp: 972809

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

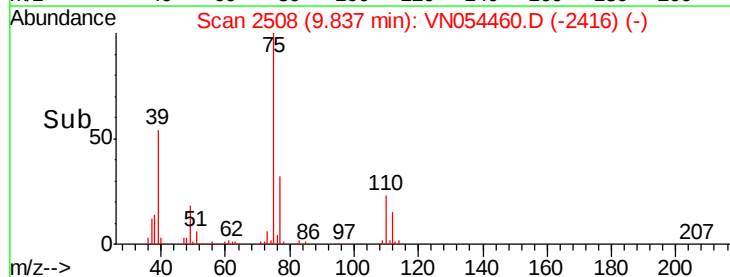
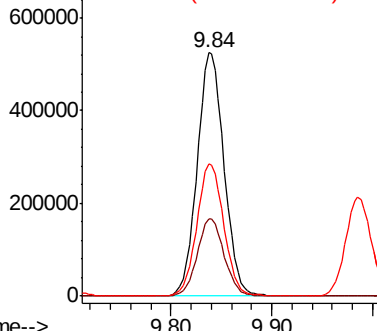
39 54.4 37.2 55.8

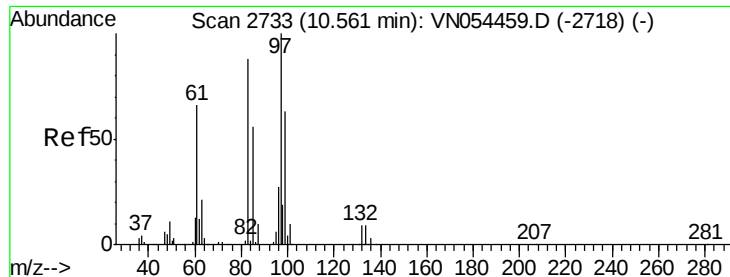


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO





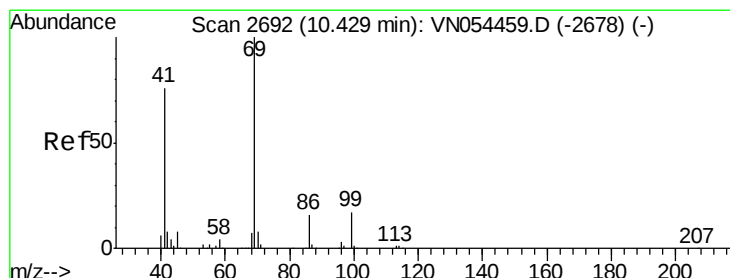
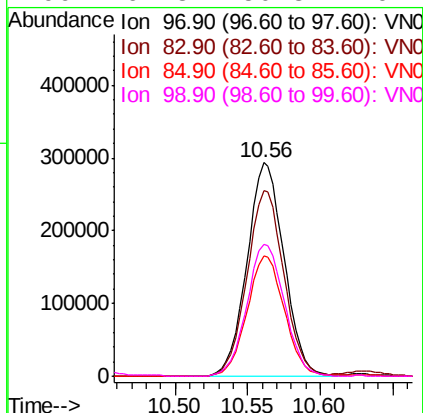
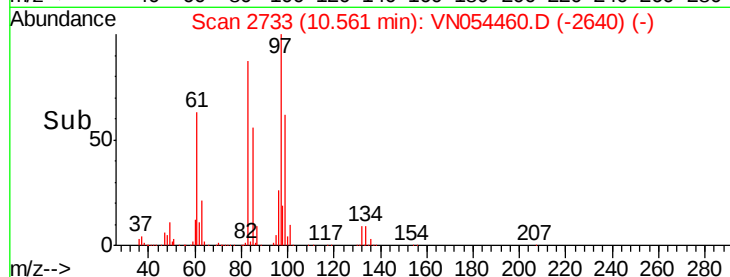
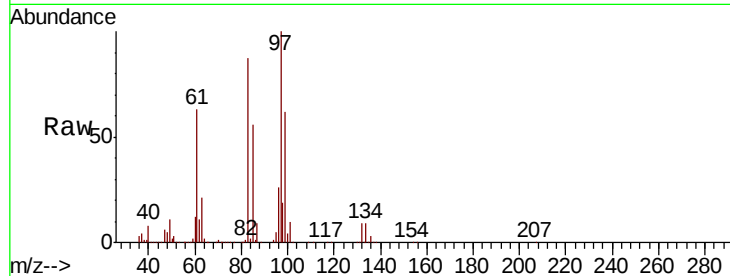
#55
 1,1,2-Trichloroethane
 Concen: 98.169 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	521132
Ion	Ratio	Lower	Upper
97	100		
83	86.8	66.6	100.0
85	56.3	44.4	66.6
99	61.8	50.8	76.2

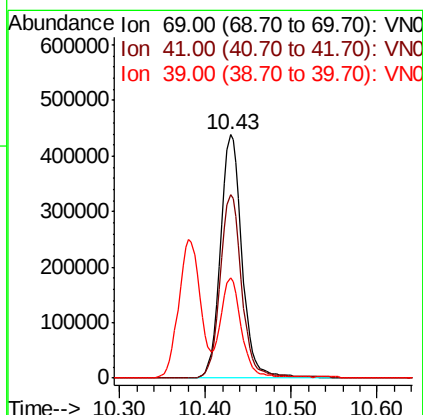
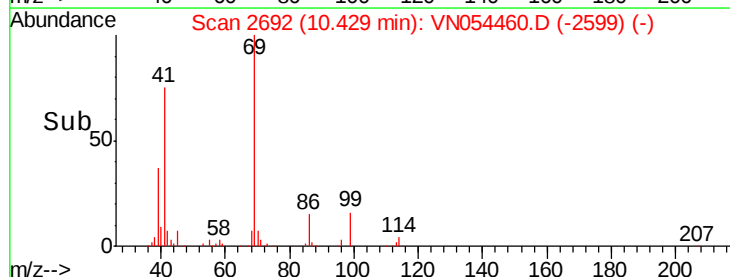
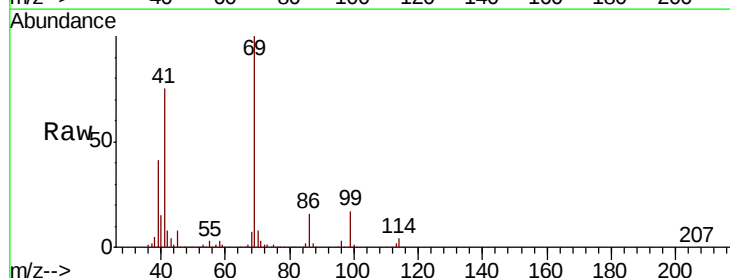
Manual Integrations
 APPROVED

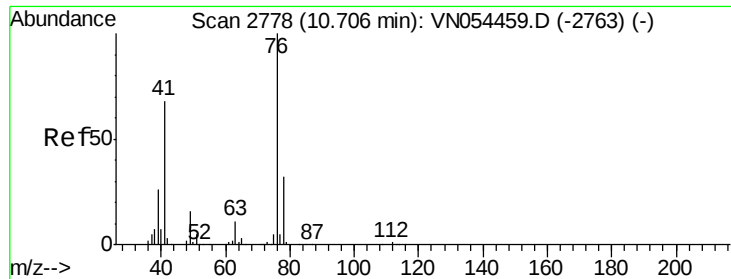
MMDadoda
 3/22/2019 3:17:20 PM



#56
 Ethyl methacrylate
 Concen: 120.935 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Tgt Ion:	69	Resp:	765492
Ion	Ratio	Lower	Upper
69	100		
41	74.6	49.4	74.2#
39	39.3	28.3	42.5





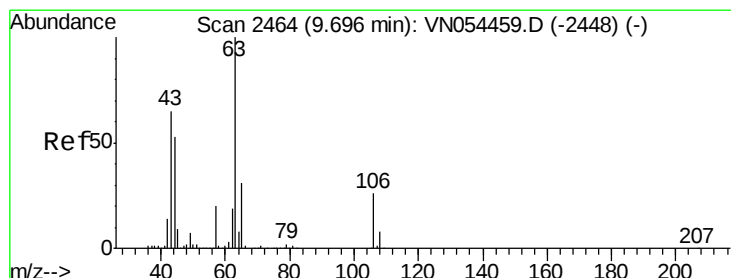
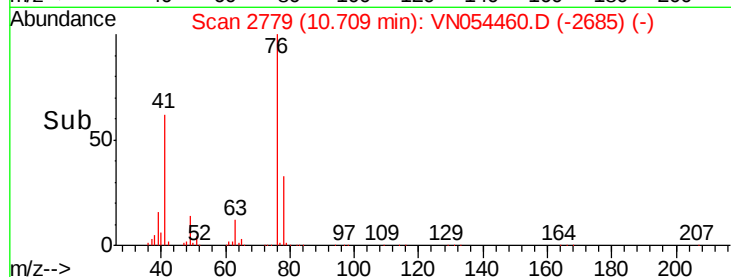
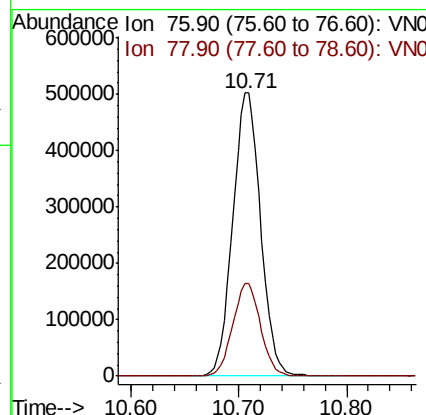
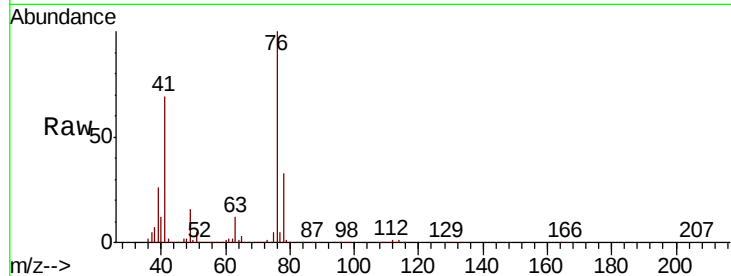
#57
 1,3-Dichloropropane
 Concen: 104.214 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 904594
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5

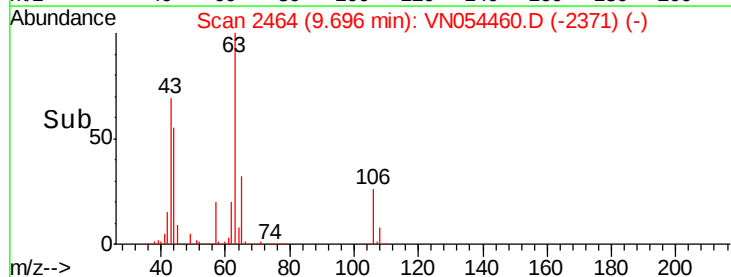
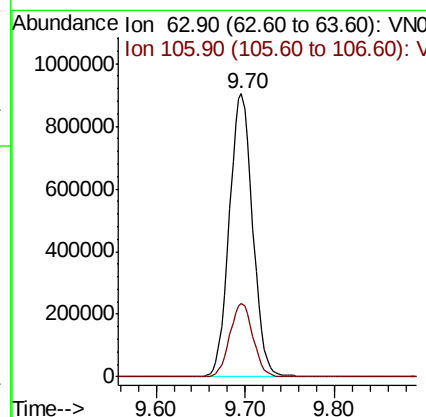
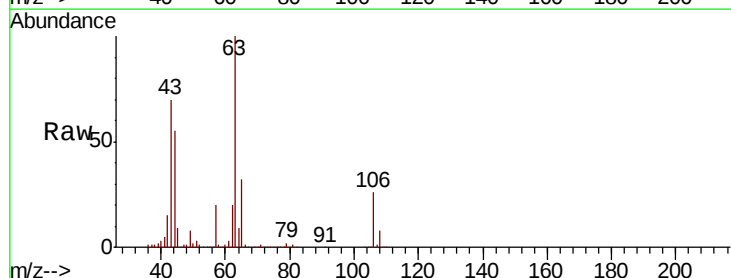
Manual Integrations
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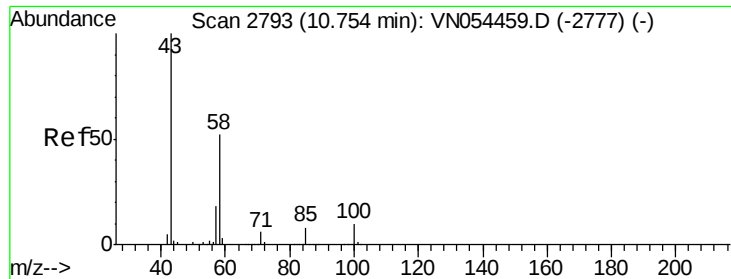
MMDadoda
 3/22/2019 3:17:20 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 683.447 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Tgt Ion: 63 Resp: 1638736
 Ion Ratio Lower Upper
 63 100
 106 25.9 24.4 36.6





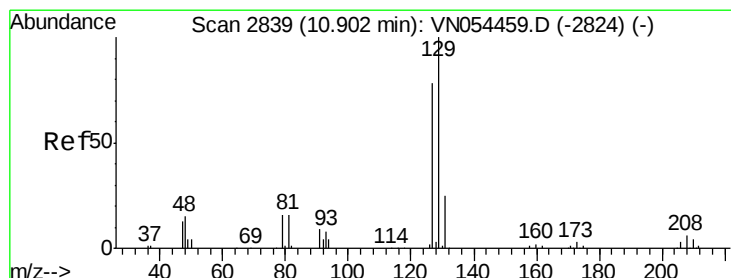
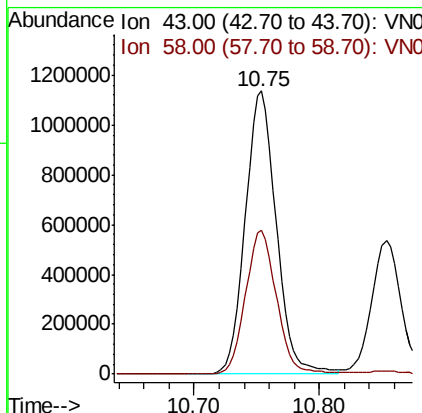
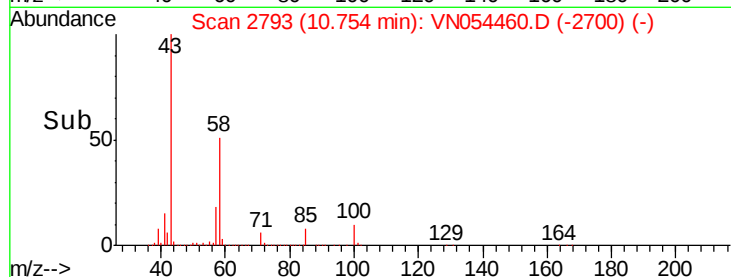
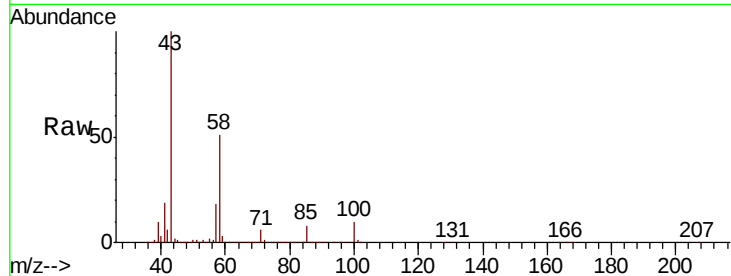
#59
2-Hexanone
Concen: 686.549 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1953681
Ion Ratio Lower Upper
43 100
58 51.1 28.0 83.9

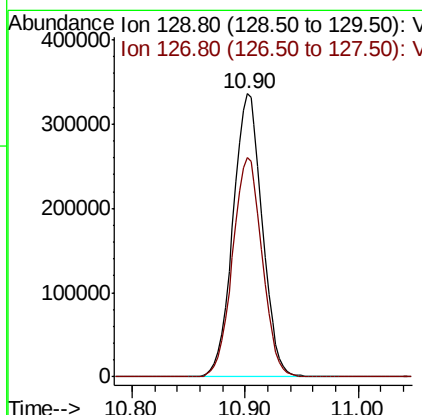
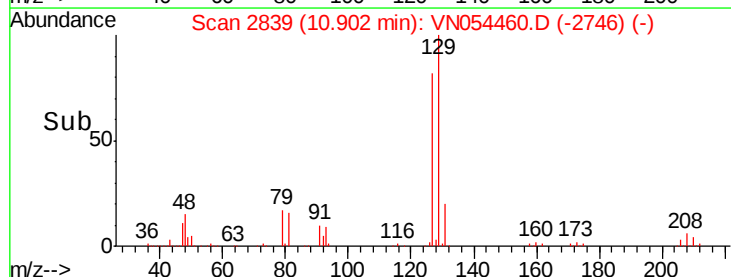
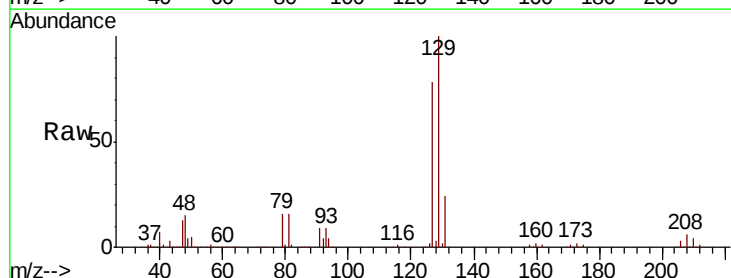
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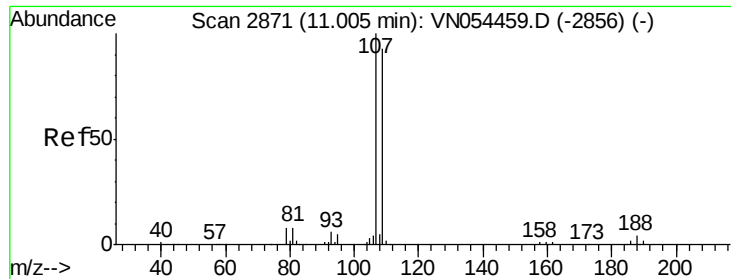
MMDadoda
3/22/2019 3:17:20 PM



#60
Dibromochloromethane
Concen: 101.099 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Tgt Ion: 129 Resp: 604076
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.8





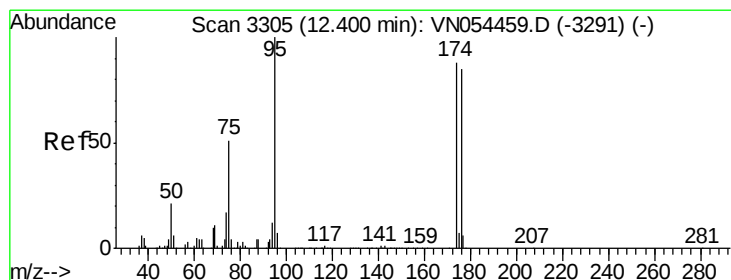
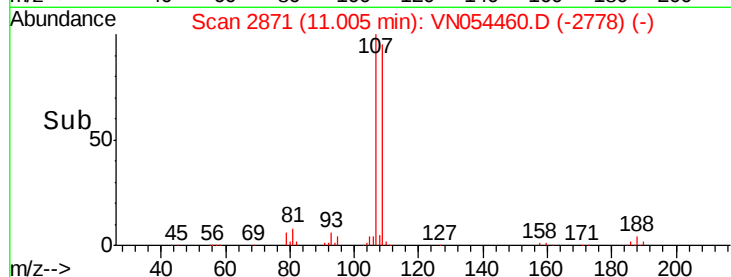
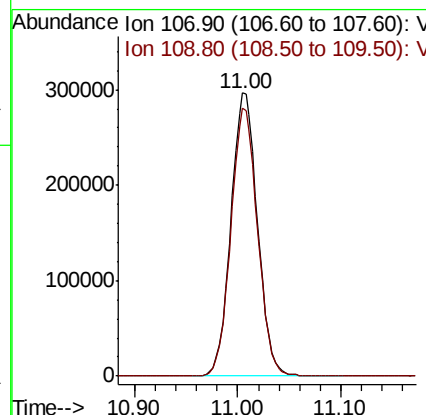
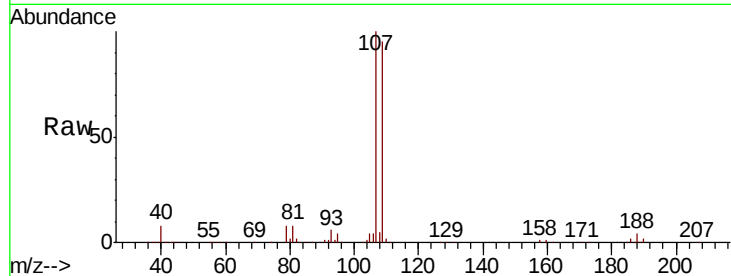
#61
 1,2-Dibromoethane
 Concen: 98.739 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.9	113.9

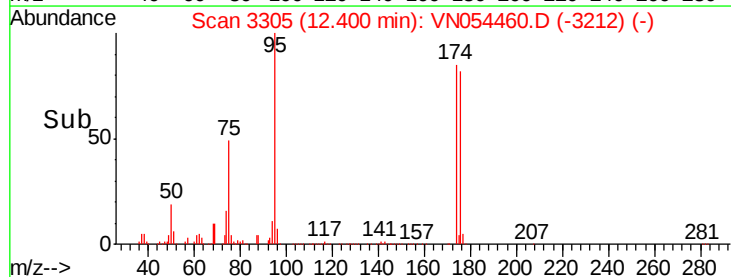
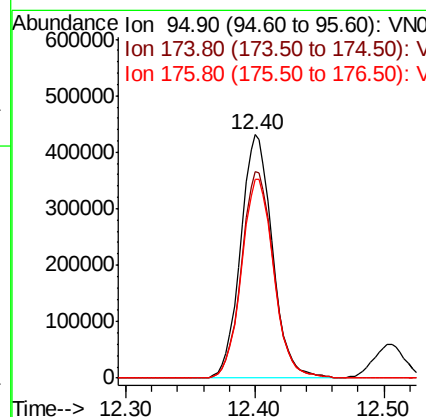
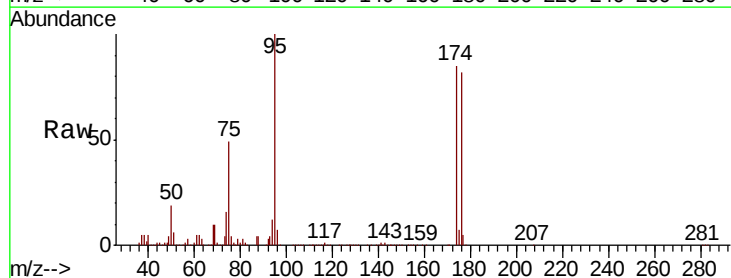
Manual Integrations
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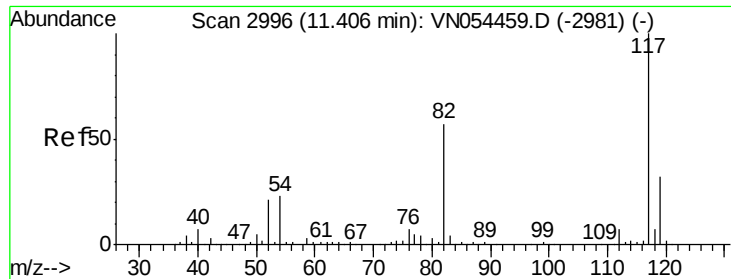
MMDadoda
 3/22/2019 3:17:20 PM



#62
 4-Bromofluorobenzene
 Concen: 101.728 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	191.0
176	83.3	0.0	187.4





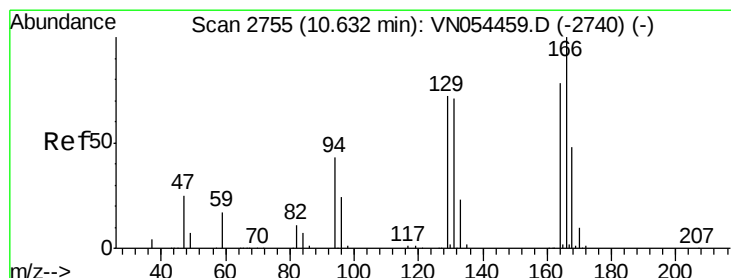
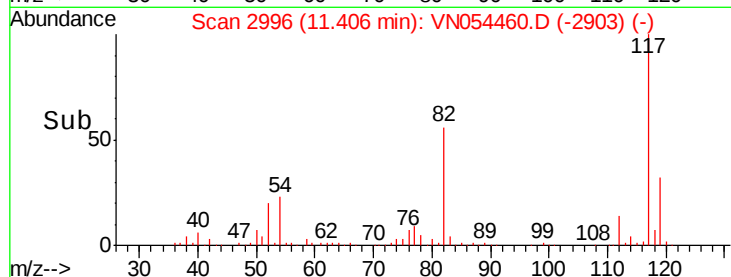
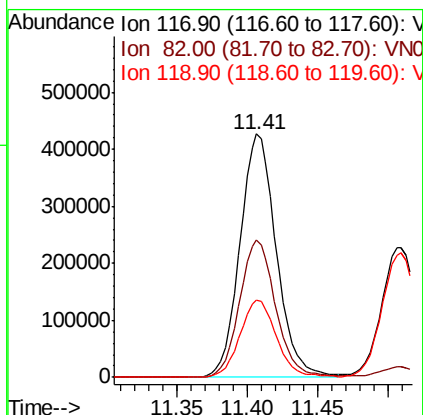
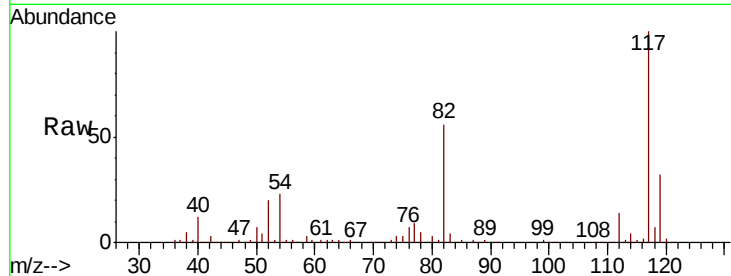
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	40.0	60.0
119	31.9	25.8	38.6

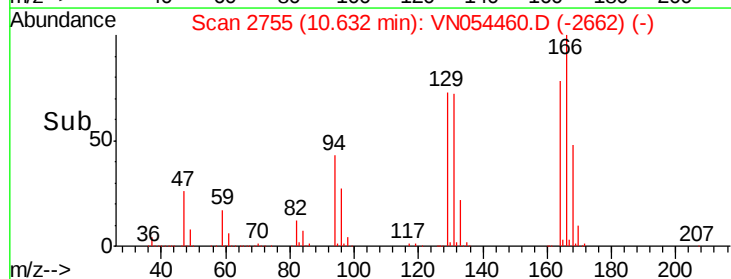
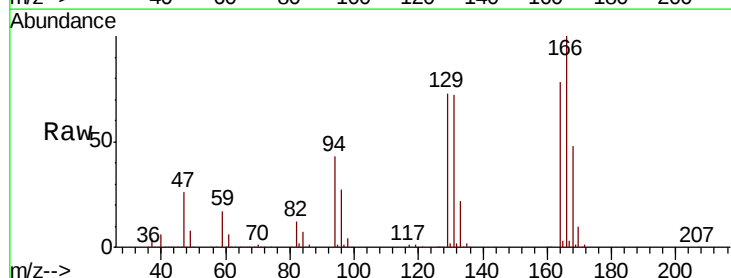
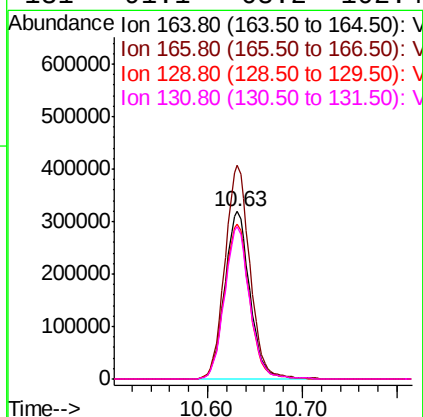
Manual Integrations
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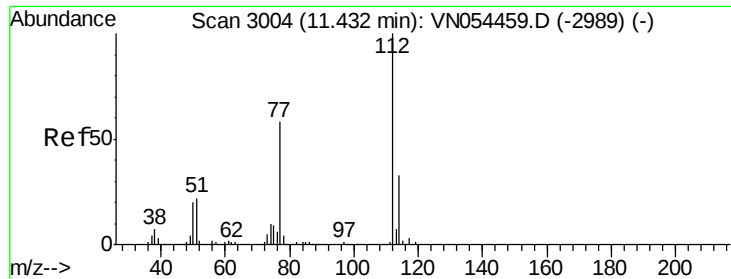
MMDadoda
3/22/2019 3:17:20 PM



#64
Tetrachloroethene
Concen: 78.801 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.9	155.9
129	92.6	71.1	106.7
131	91.1	68.2	102.4





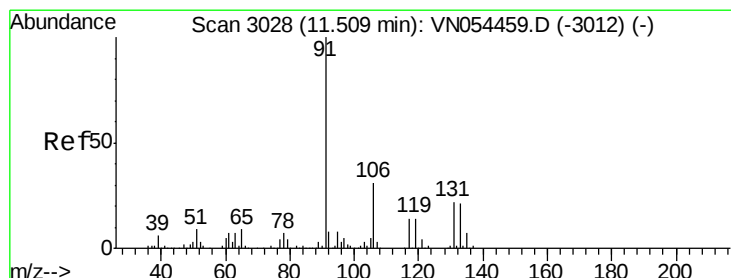
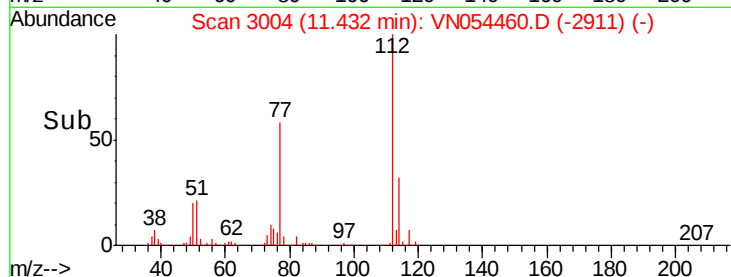
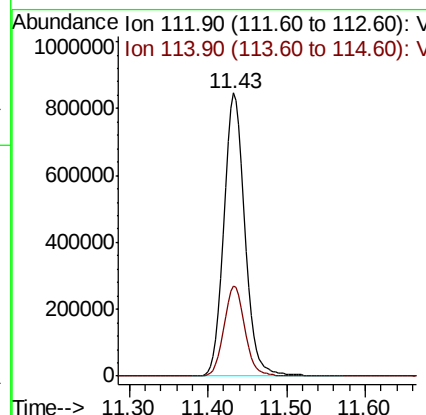
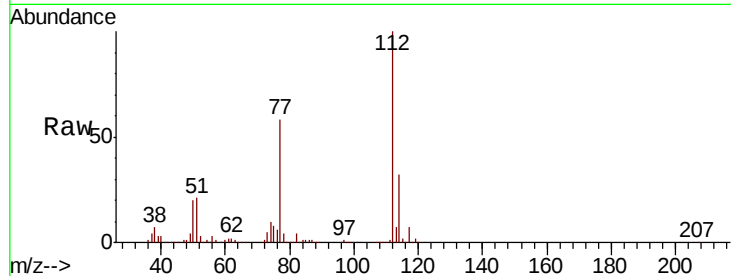
#65
Chlorobenzene
Concen: 91.663 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1552246
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9

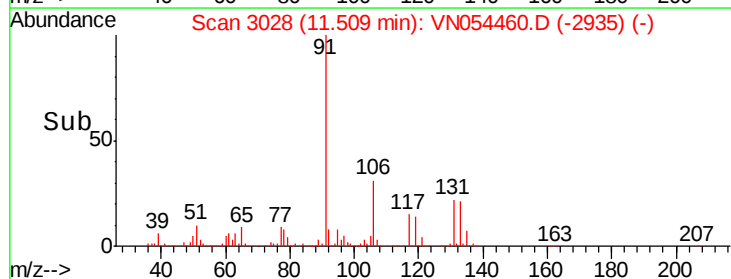
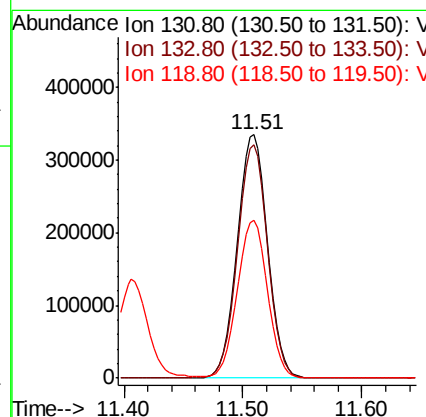
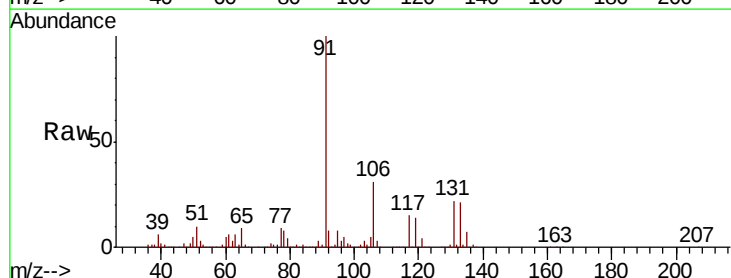
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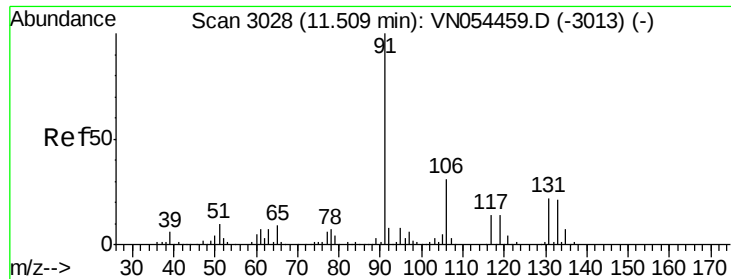
MMDadoda
3/22/2019 3:17:20 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 95.995 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Tgt Ion:131 Resp: 590536
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.9
119 64.8 32.4 97.0





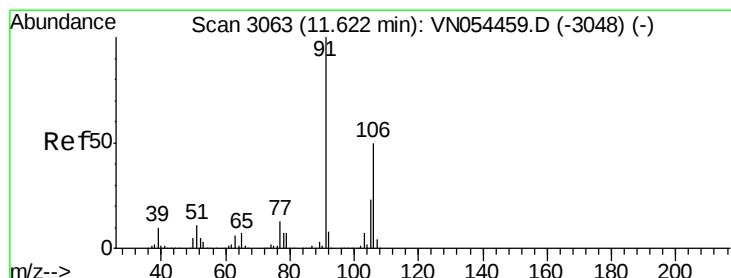
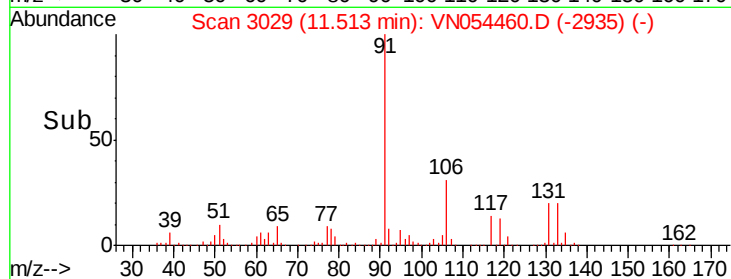
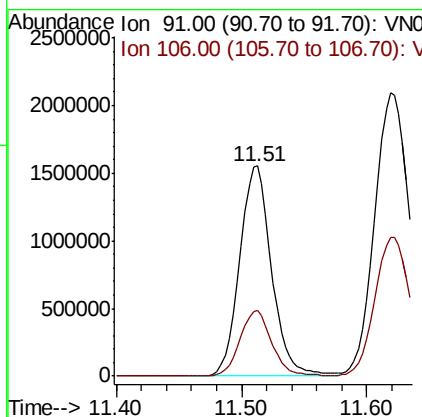
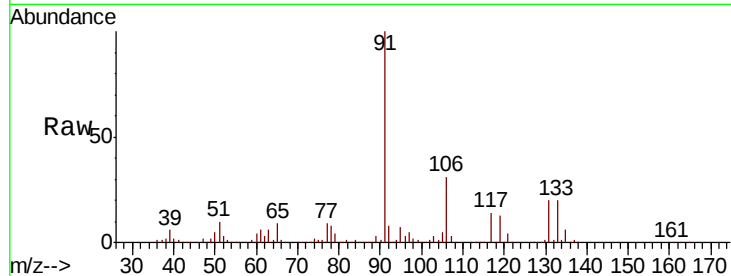
#67
Ethyl Benzene
Concen: 98.061 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2752701
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3

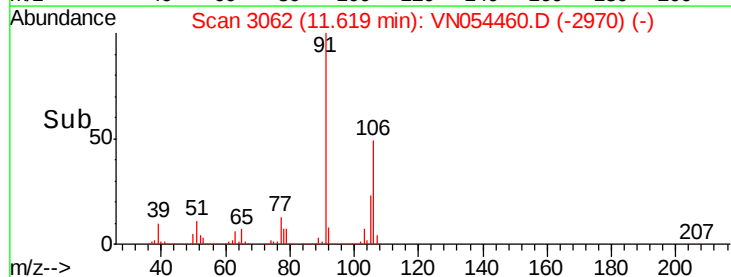
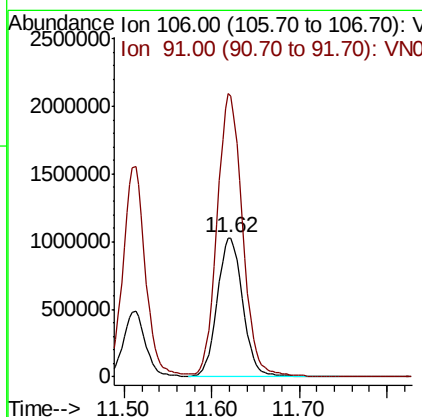
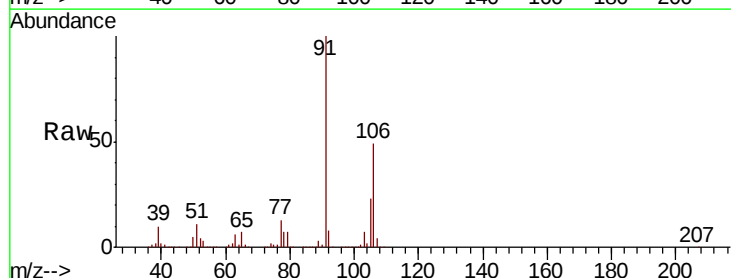
Manual Integrations
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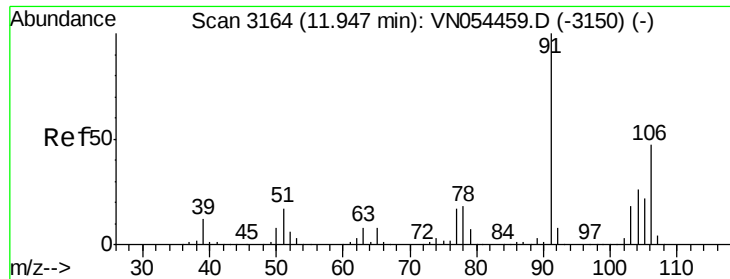
MMDadoda
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#68
m/p-Xylenes
Concen: 190.385 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Tgt Ion: 106 Resp: 2088821
Ion Ratio Lower Upper
106 100
91 202.7 159.4 239.2





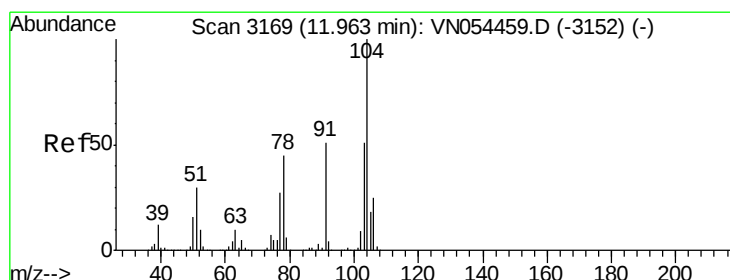
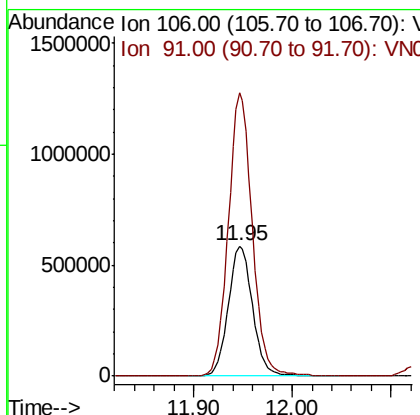
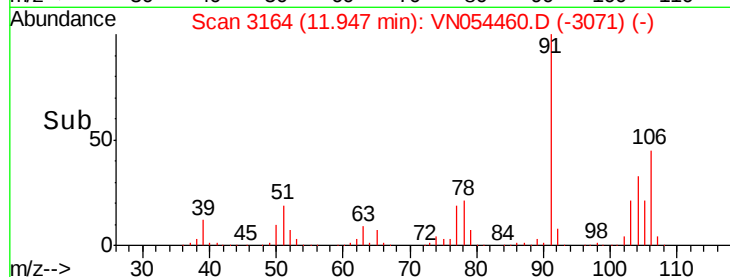
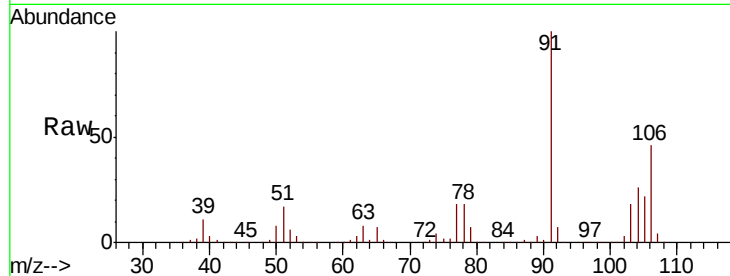
#69
o-Xylene
Concen: 94.650 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 1012322
Ion Ratio Lower Upper
106 100
91 214.2 105.7 317.1

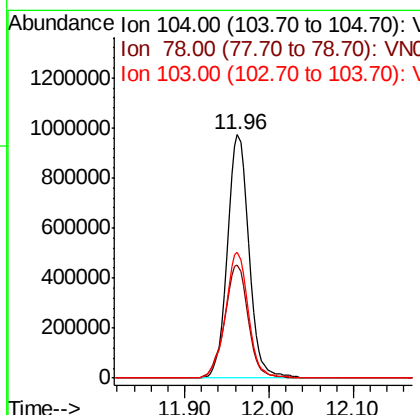
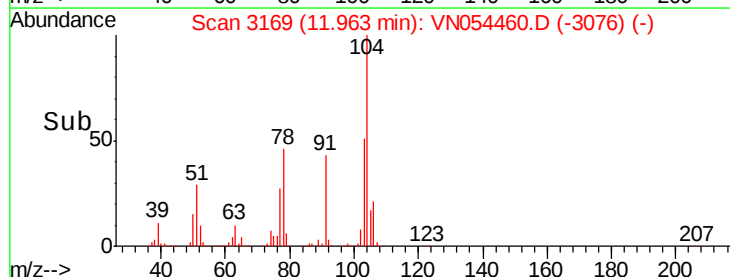
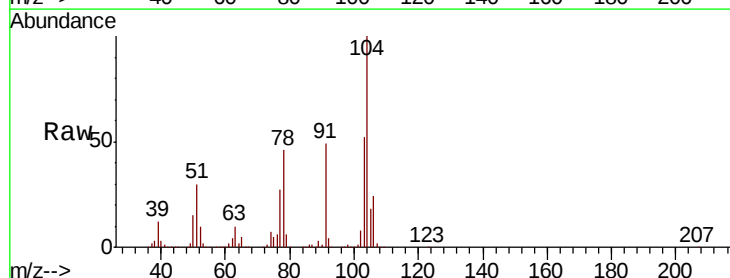
Manual Integrations
APPROVED

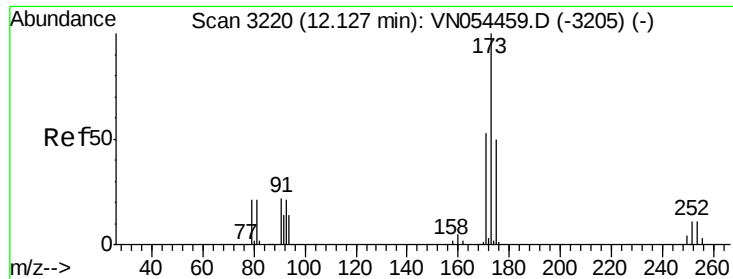
MMDadoda
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#70
Styrene
Concen: 102.787 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Tgt Ion:104 Resp: 1724143
Ion Ratio Lower Upper
104 100
78 50.6 38.2 57.2
103 55.1 44.4 66.6





#71

Bromoform

Concen: 97.756 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 398046

Ion Ratio Lower Upper

173 100

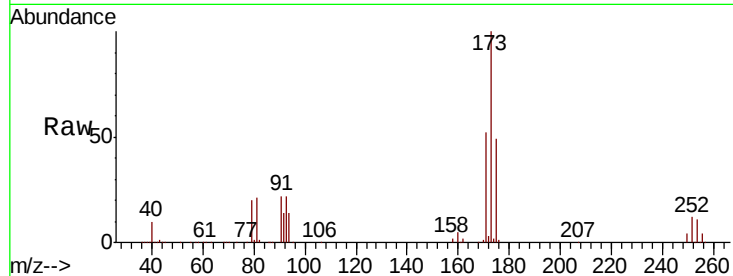
175 48.5 24.4 73.2

254 0.2 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda

3/22/2019 3:17:20 PM

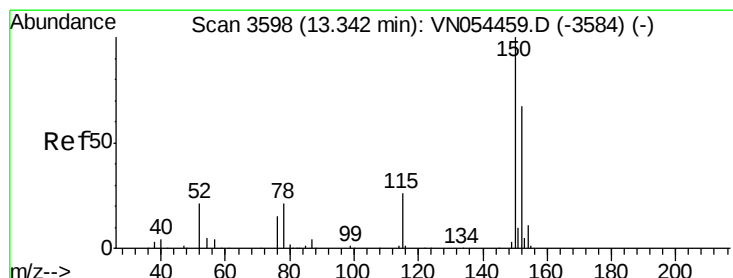
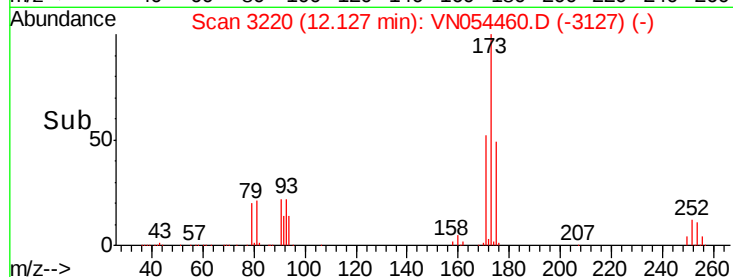
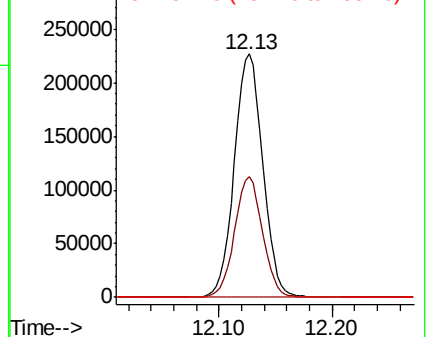


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

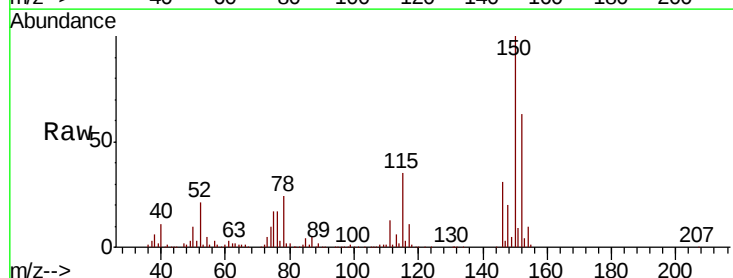
Tgt Ion:152 Resp: 366737

Ion Ratio Lower Upper

152 100

115 56.3 27.2 81.6

150 187.5 0.0 349.2

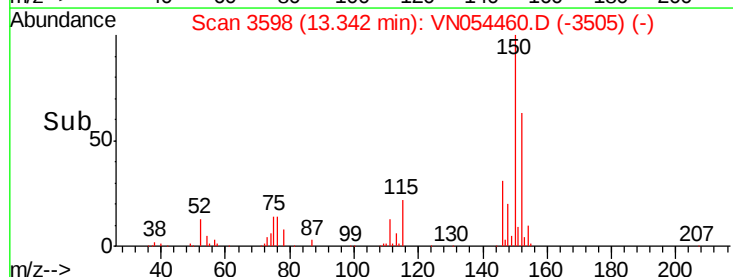
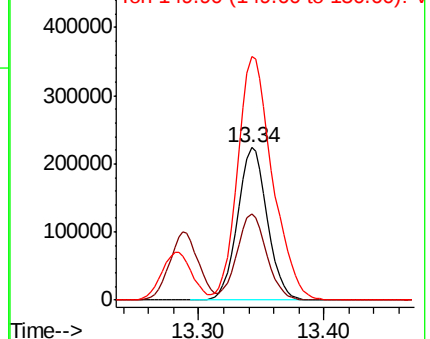


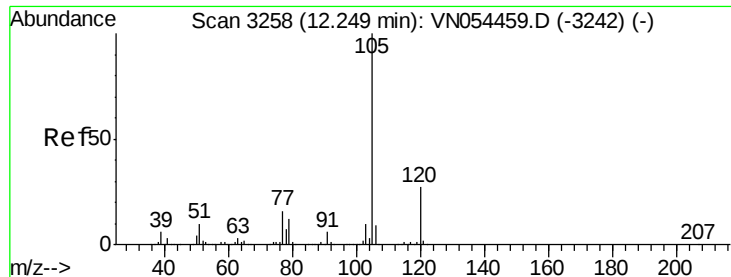
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 90.112 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2643991

Ion Ratio Lower Upper

105 100

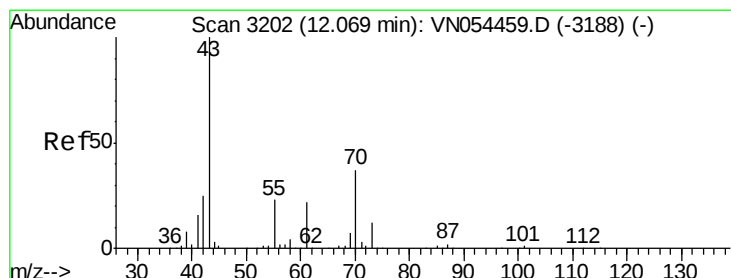
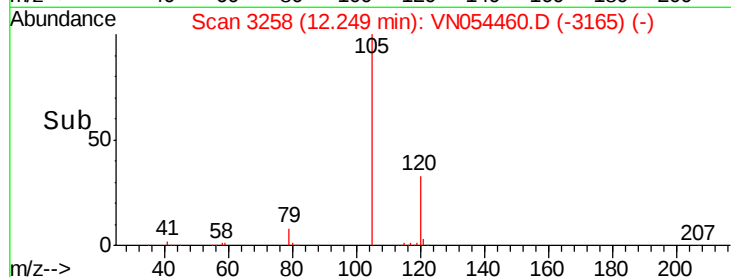
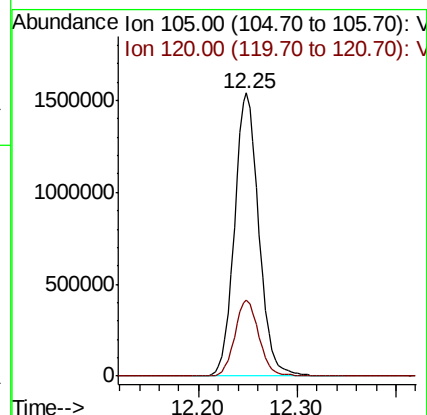
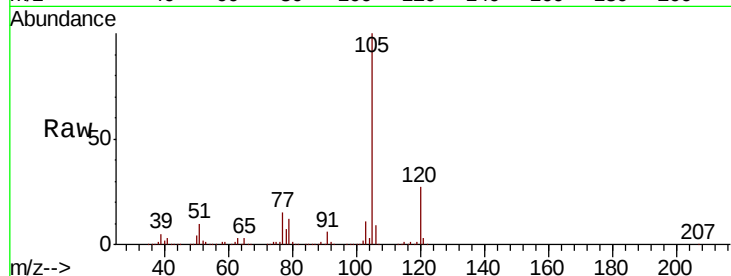
120 26.8 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 139.027 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Tgt Ion: 43 Resp: 905452

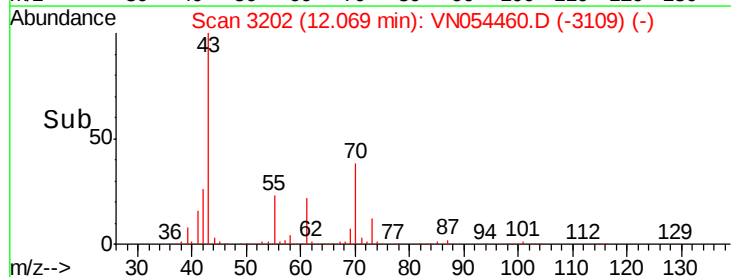
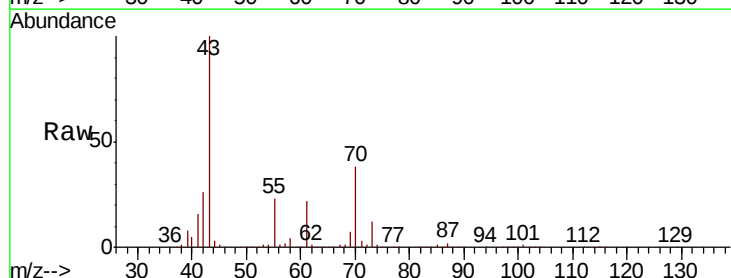
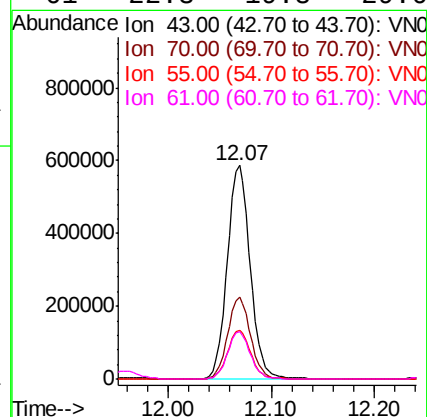
Ion Ratio Lower Upper

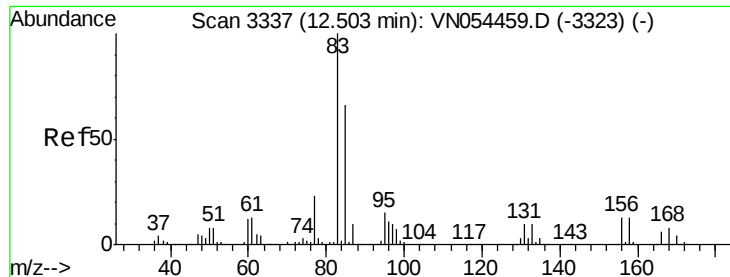
43 100

70 38.4 35.4 53.0

55 23.2 19.8 29.6

61 22.3 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 103.870 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

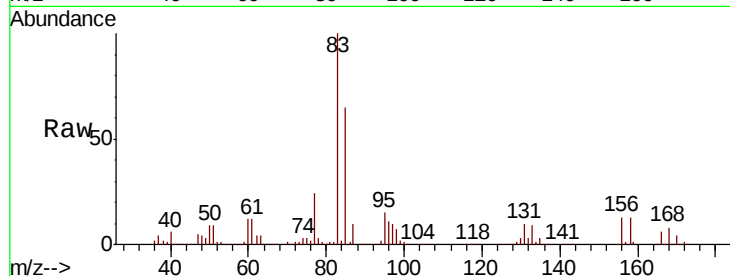
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	649326
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.8	17.4
85	64.6	32.2	96.6

Manual Integrations
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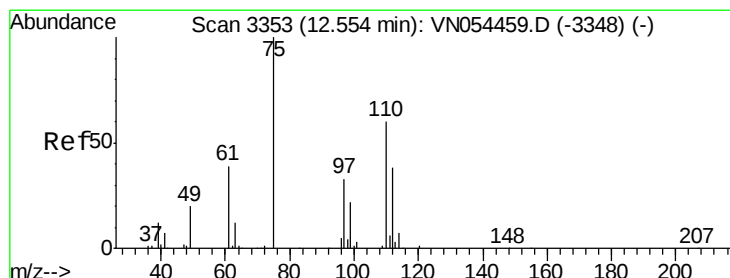
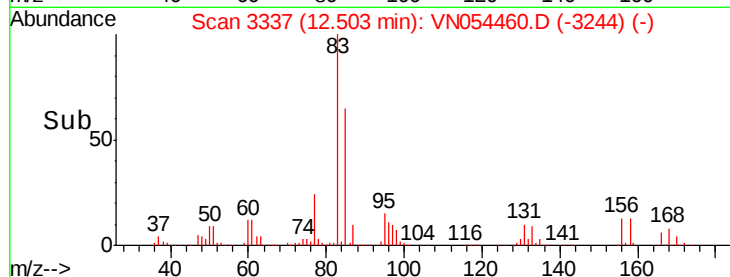
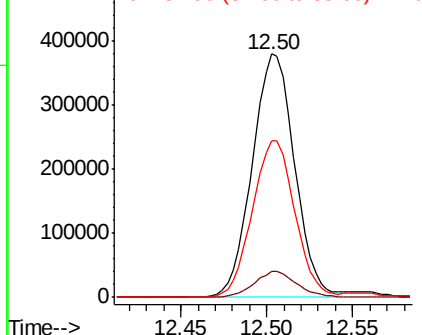
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Abundance Ion 82.90 (82.60 to 83.60): VN054460.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN054460.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN054460.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 101.835 ug/l m

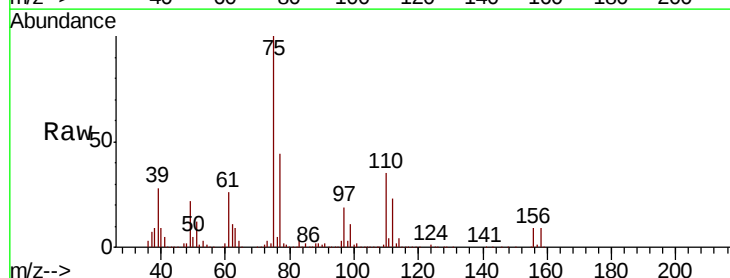
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054460.D

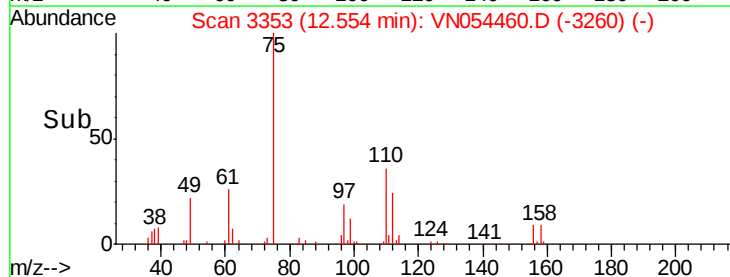
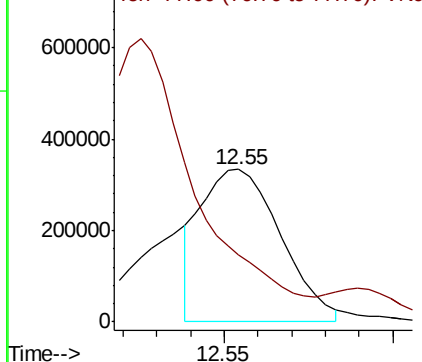
Acq: 20 Mar 2019 12:09

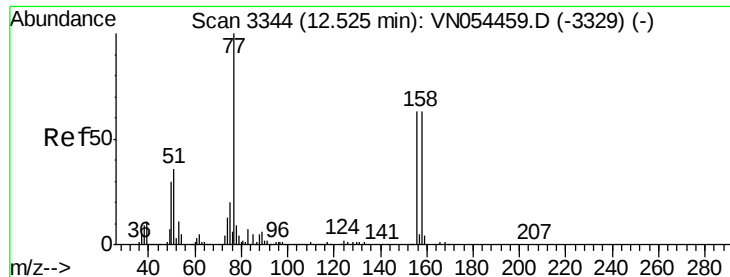
Tgt Ion:	75	Resp:	549200
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054460.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054460.D (-3260) (-)





#77

Bromobenzene

Concen: 86.725 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

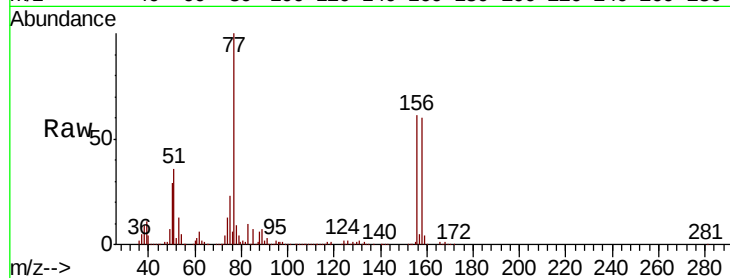
ClientSampleId :

VSTDIC100

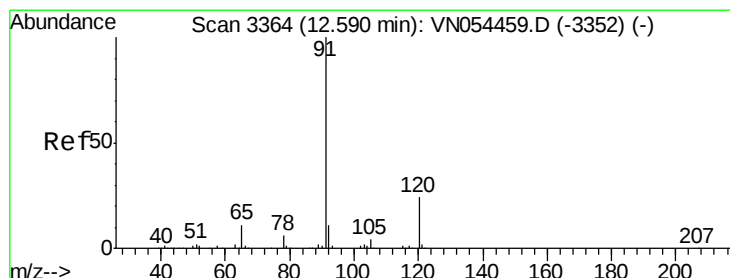
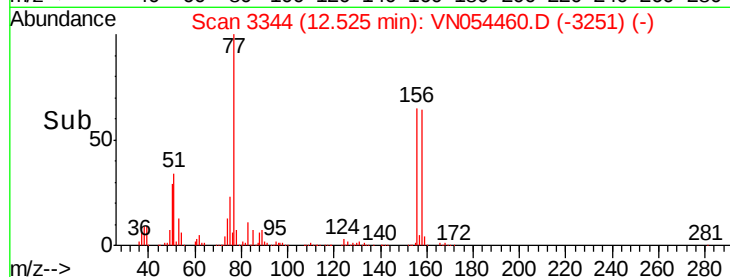
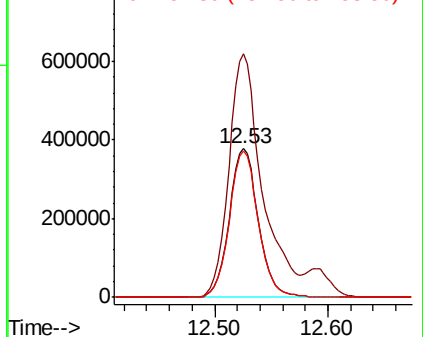
Tot Ion:	156	Resp:	673350
Ion	Ratio	Lower	Upper
156	100		
77	188.9	81.5	244.4
158	98.1	49.0	147.2

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 92.531 ug/l

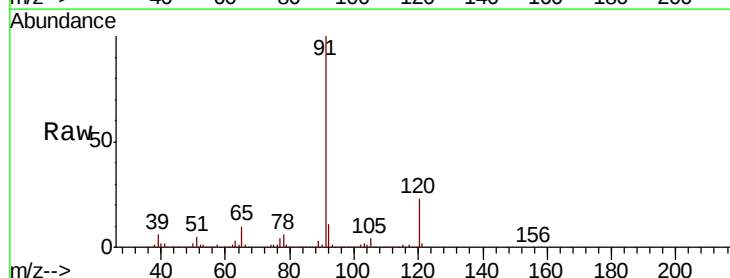
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

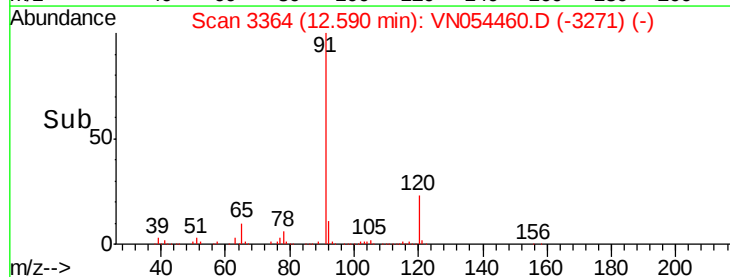
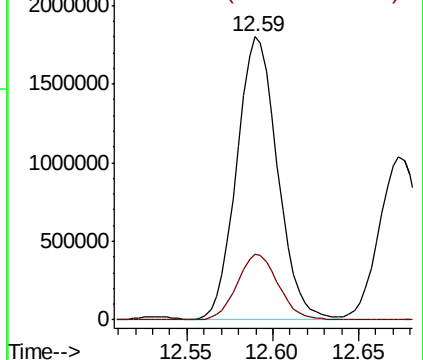
Lab File: VN054460.D

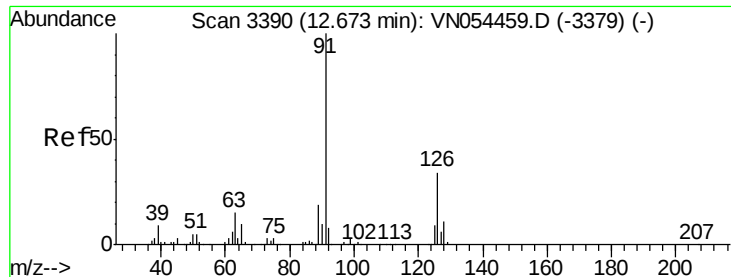
Acq: 20 Mar 2019 12:09

Tgt Ion:	91	Resp:	2945927
Ion	Ratio	Lower	Upper
91	100		
120	23.6	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 92.942 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1779169

Ion Ratio Lower Upper

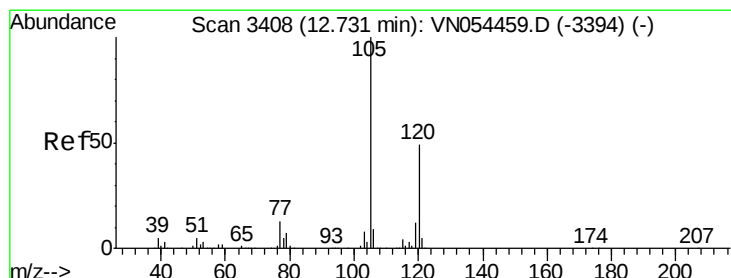
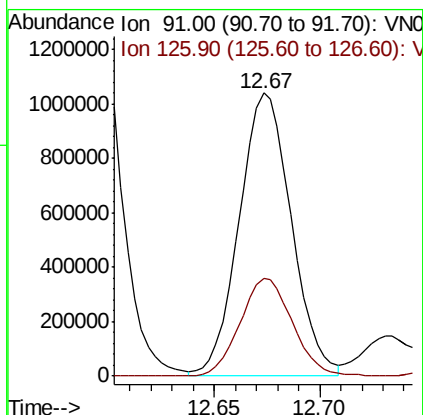
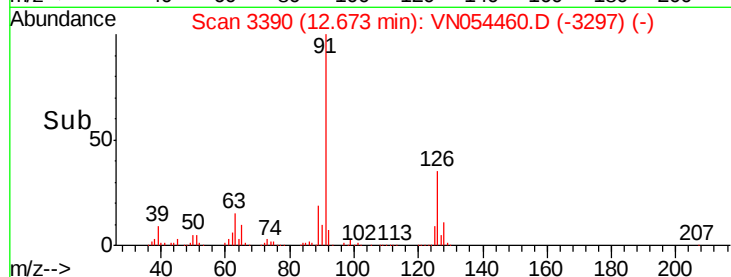
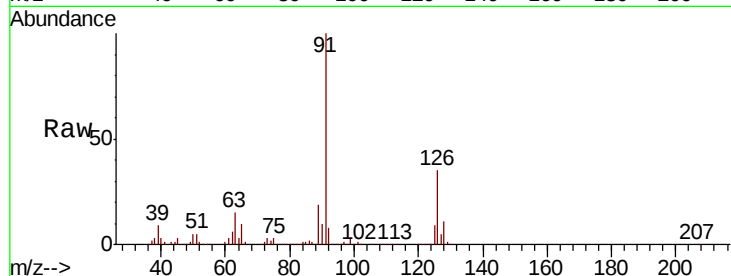
91 100

126 35.0 18.7 56.1

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 90.982 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054460.D

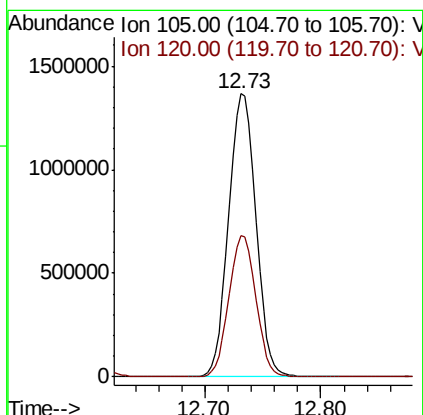
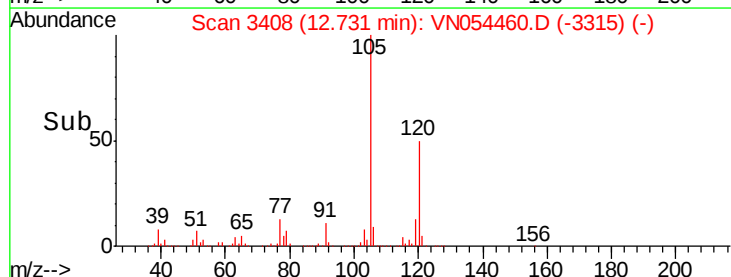
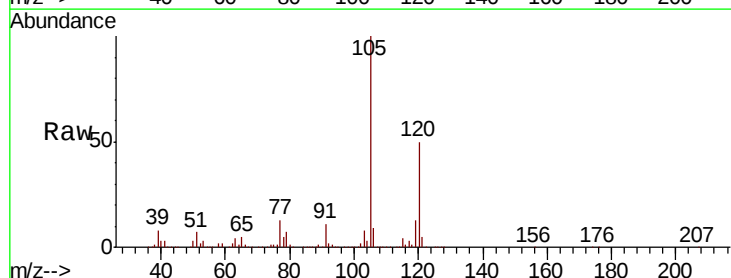
Acq: 20 Mar 2019 12:09

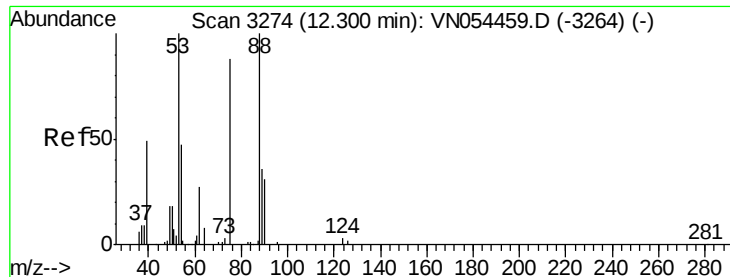
Tgt Ion: 105 Resp: 2220486

Ion Ratio Lower Upper

105 100

120 49.4 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 110.443 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 174238

Ion Ratio Lower Upper

75 100

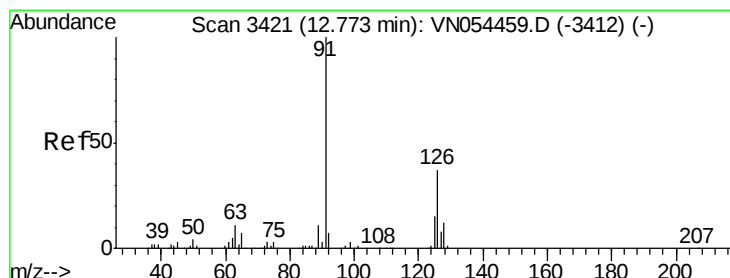
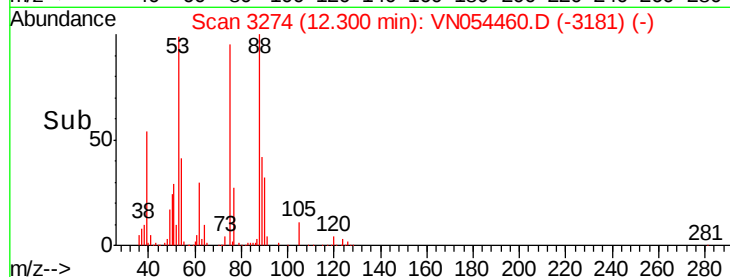
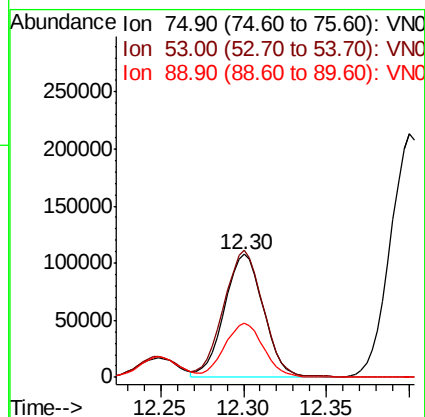
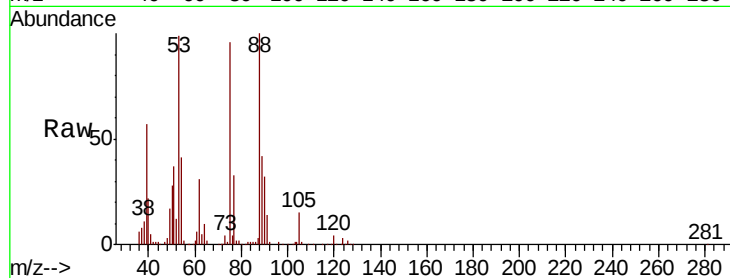
53 106.6 76.2 114.2

89 45.2 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 96.401 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054460.D

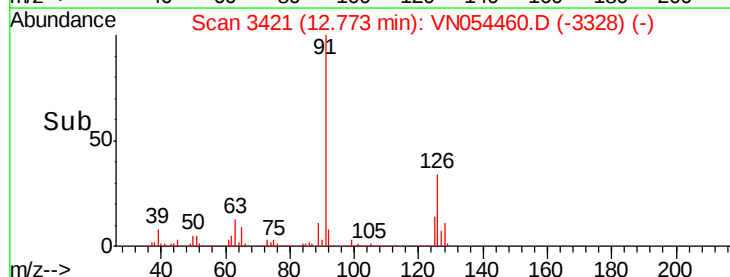
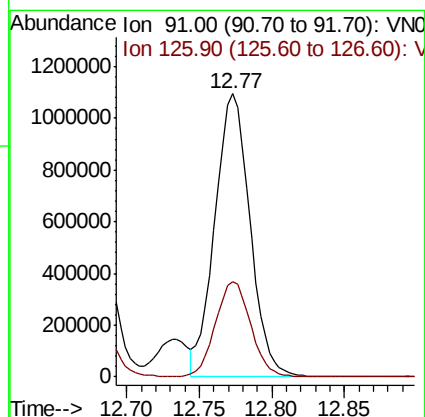
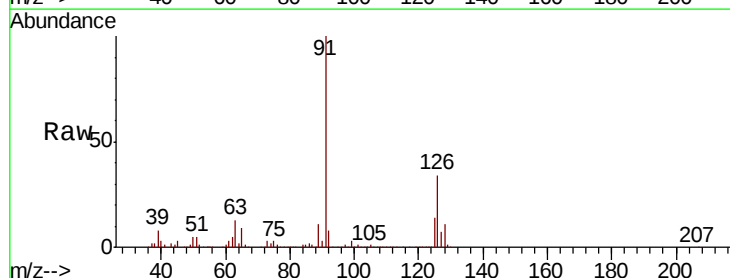
Acq: 20 Mar 2019 12:09

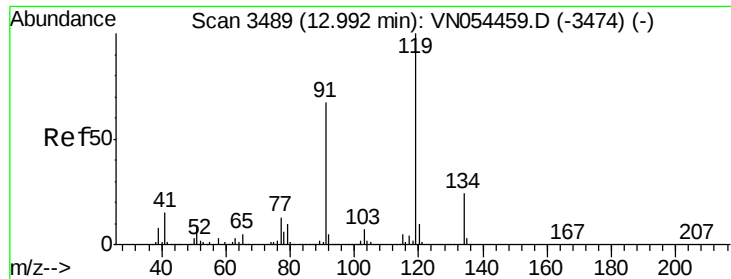
Tgt Ion: 91 Resp: 1842662

Ion Ratio Lower Upper

91 100

126 33.9 18.1 54.1





#83

tert-Butylbenzene

Concen: 83.739 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

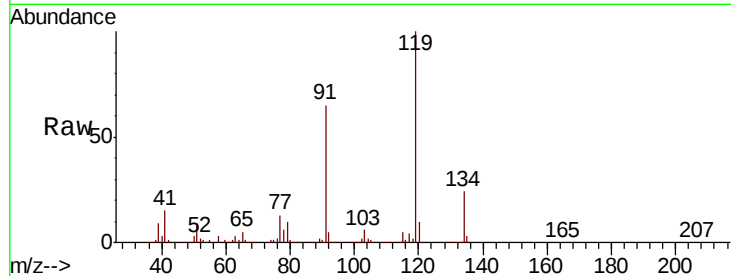
ClientSampled :

VSTDIC100

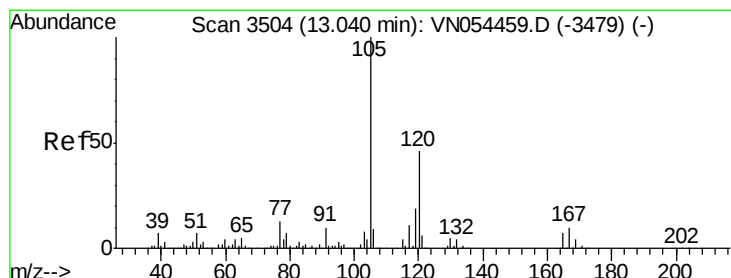
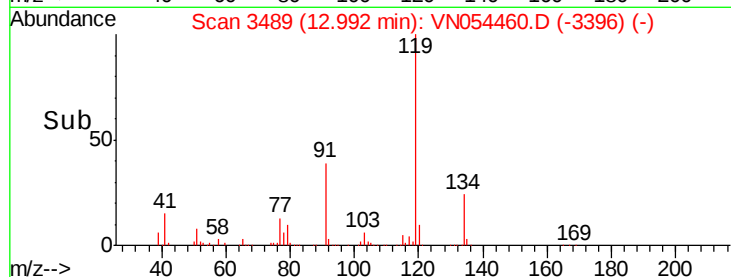
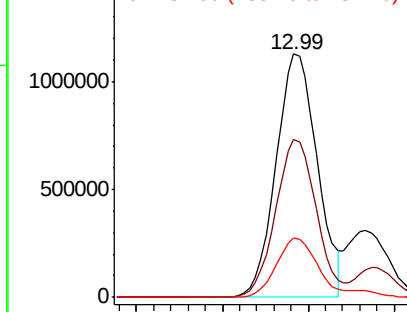
Tot Ion:	119	Resp:	1881123
Ion	Ratio	Lower	Upper
119	100		
91	63.9	30.9	92.8
134	26.2	13.2	39.6

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 91.992 ug/l

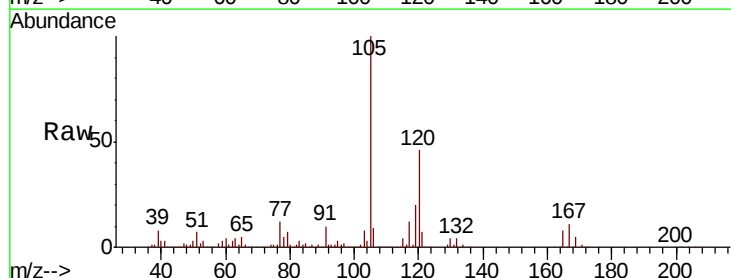
RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

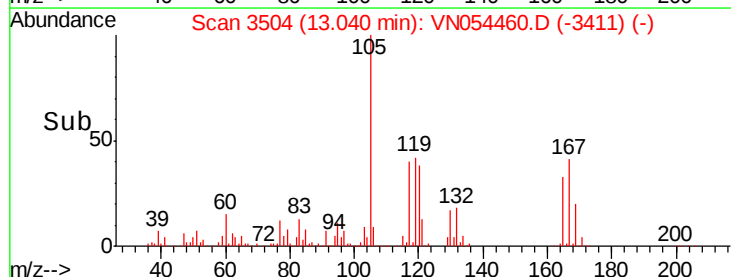
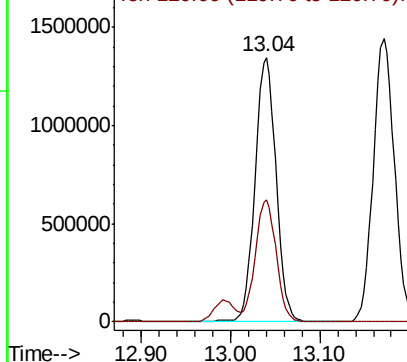
Lab File: VN054460.D

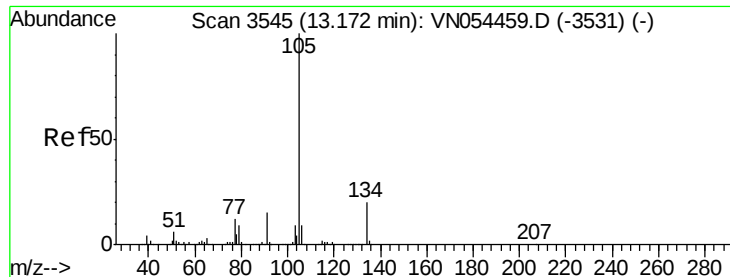
Acq: 20 Mar 2019 12:09

Tgt Ion:	105	Resp:	2202576
Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.4	70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 81.488 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2373976

Ion Ratio Lower Upper

105 100

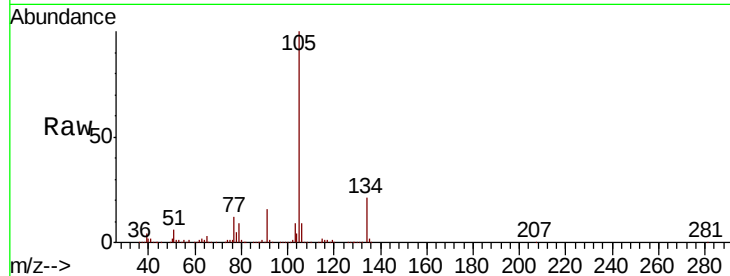
134 20.5 10.7 32.1

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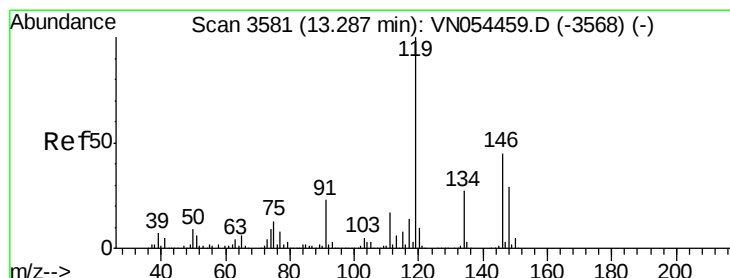
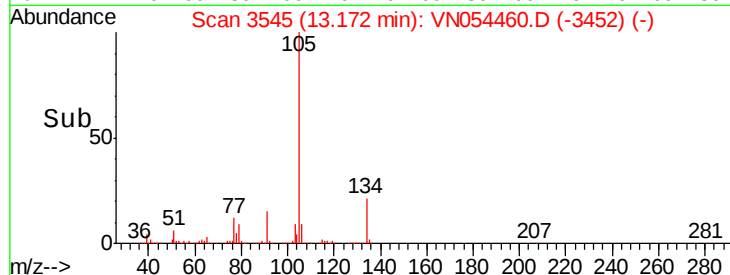
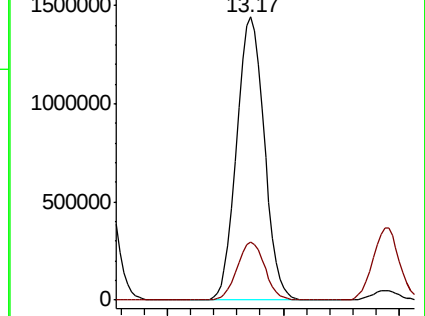
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 85.995 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054460.D

Acq: 20 Mar 2019 12:09

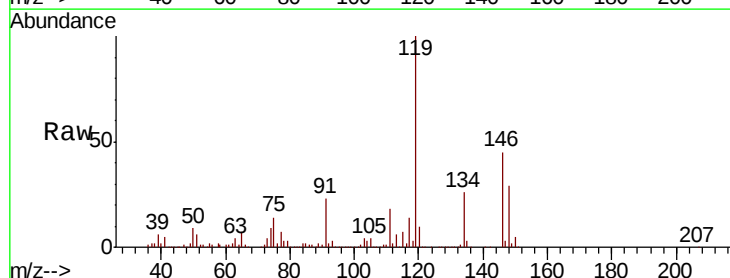
Tgt Ion:119 Resp: 2197870

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

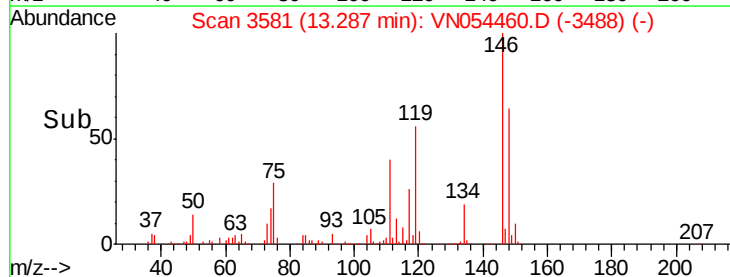
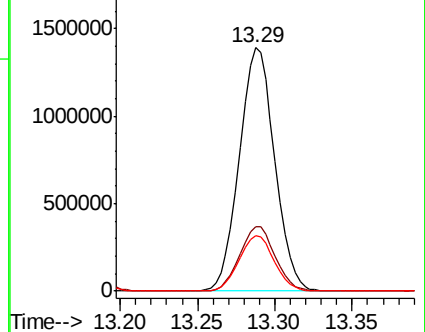
91 23.0 11.1 33.3

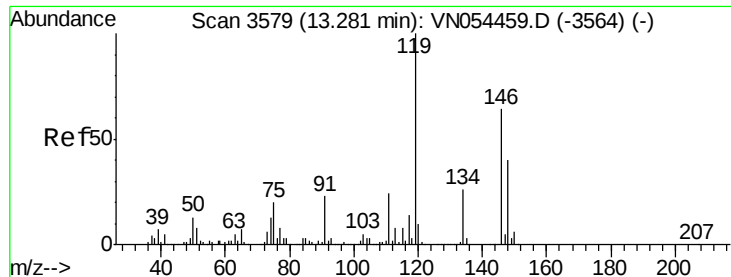


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





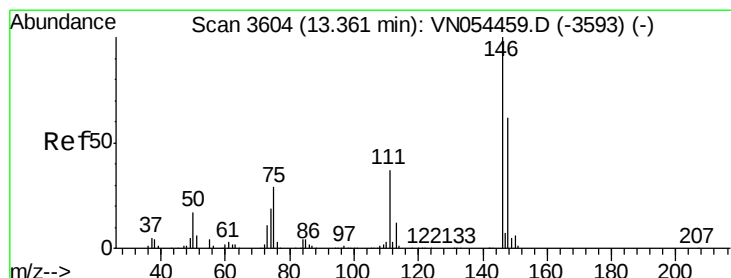
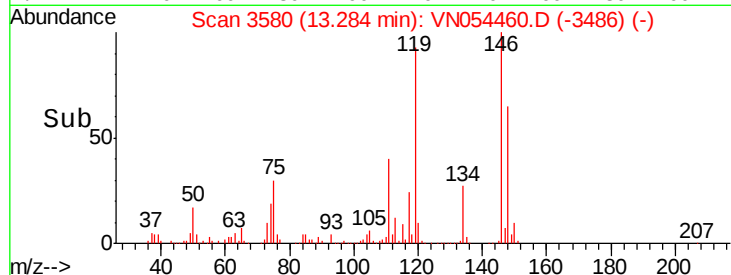
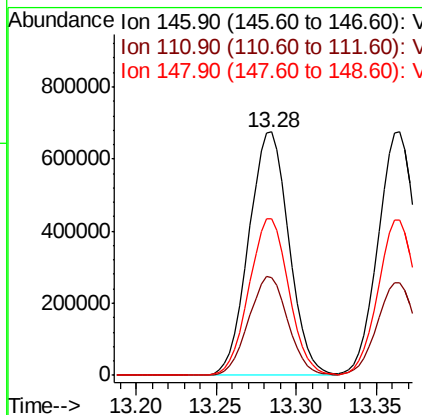
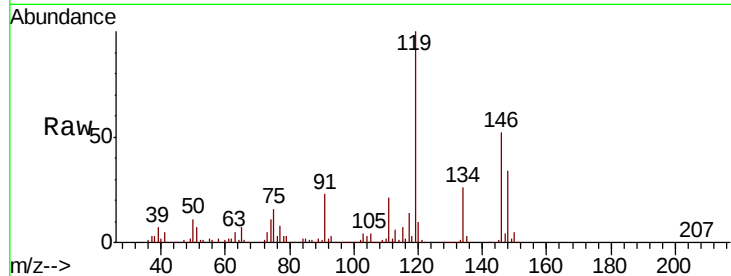
#87
 1,3-Dichlorobenzene
 Concen: 88.884 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1162849
 Ion Ratio Lower Upper
 146 100
 111 39.6 18.8 56.3
 148 63.7 32.2 96.6

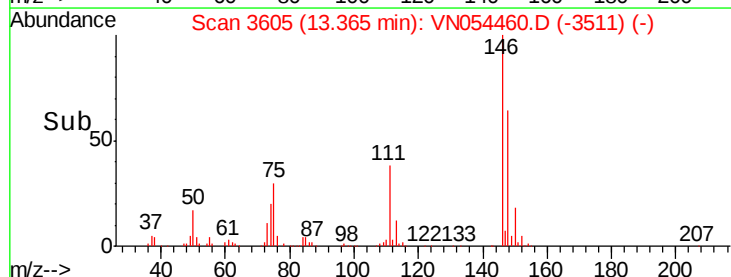
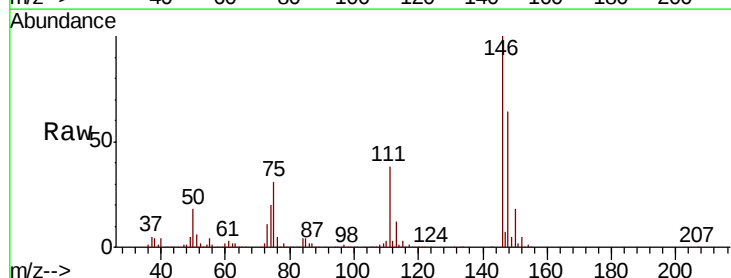
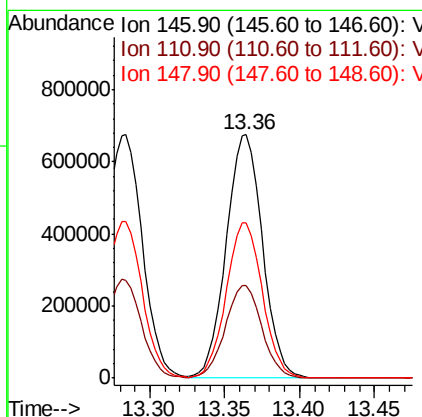
Manual Integrations
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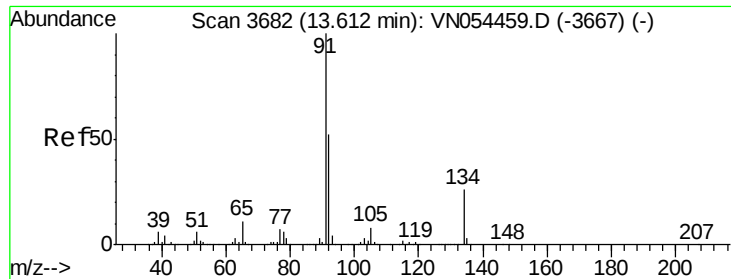
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#88
 1,4-Dichlorobenzene
 Concen: 88.820 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Tgt Ion:146 Resp: 1141525
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.1 54.1
 148 63.9 32.0 96.0





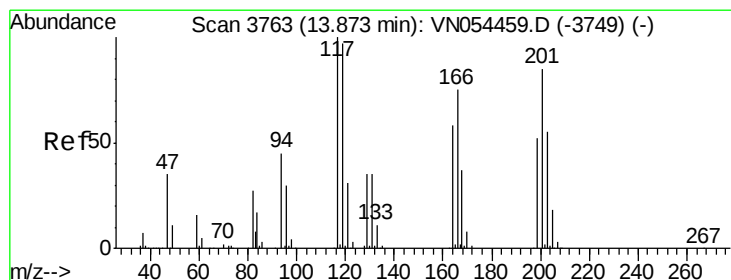
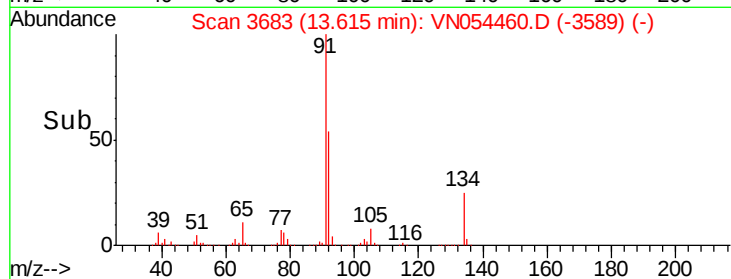
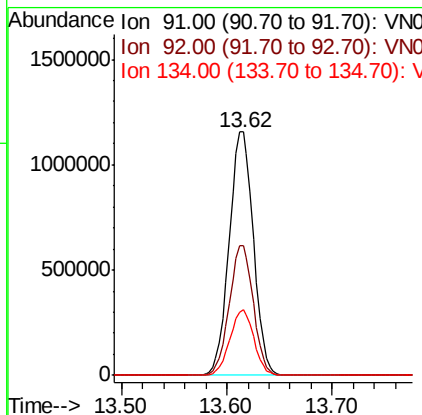
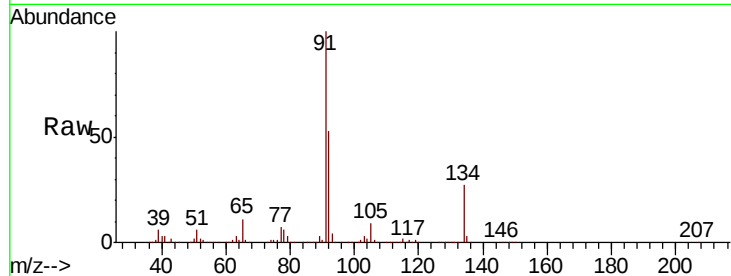
#89
n-Butylbenzene
Concen: 94.294 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1831128
Ion Ratio Lower Upper
91 100
92 52.7 26.2 78.6
134 26.5 14.3 42.9

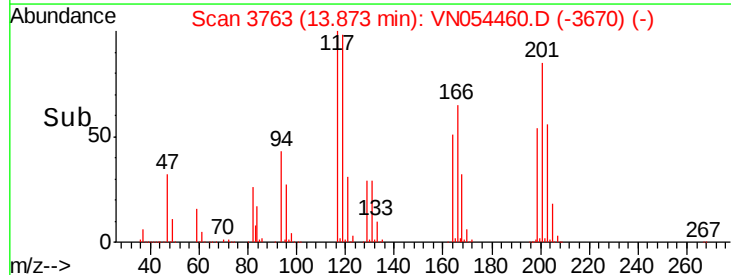
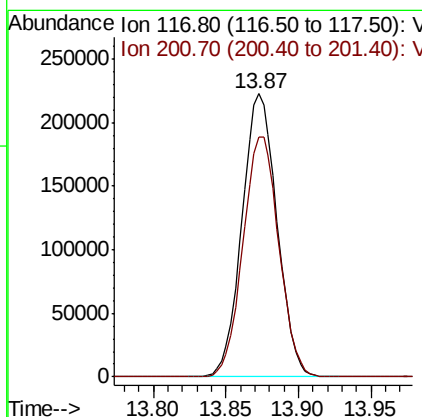
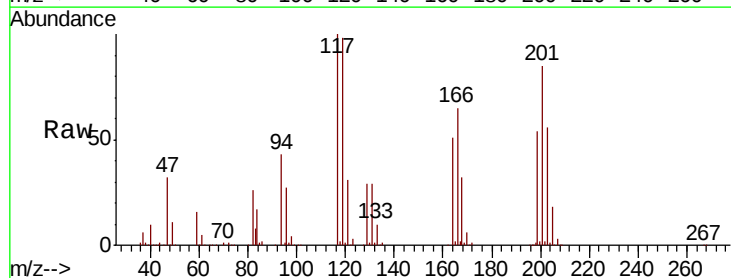
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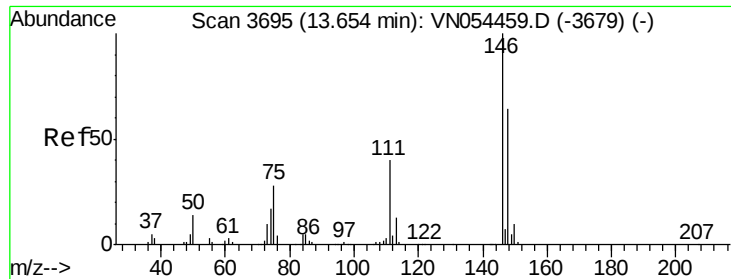
MMDadoda
3/22/2019 3:17:20 PM



#90
Hexachloroethane
Concen: 88.420 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Tgt Ion: 117 Resp: 374196
Ion Ratio Lower Upper
117 100
201 87.1 48.1 144.4





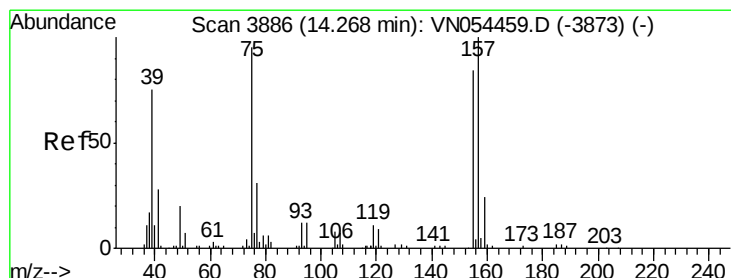
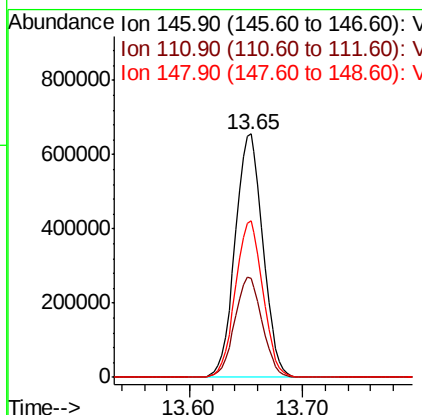
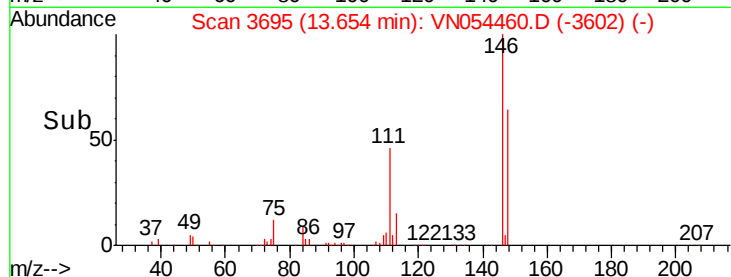
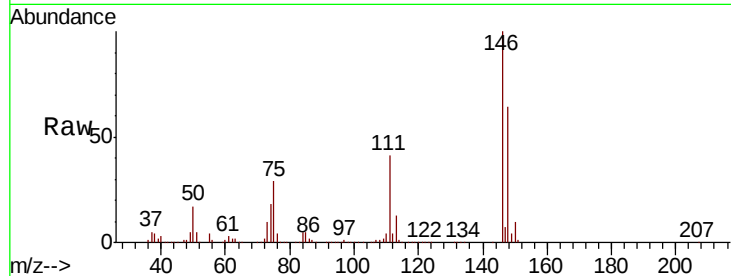
#91
 1,2-Dichlorobenzene
 Concen: 87.639 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.1	57.3
148	63.9	32.4	97.0

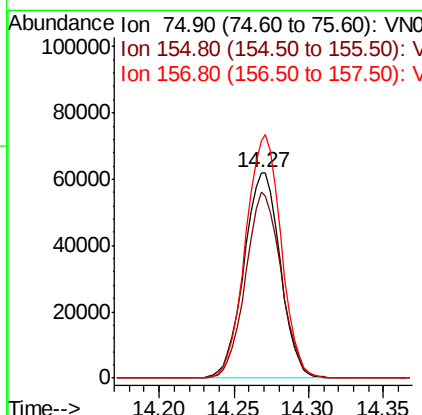
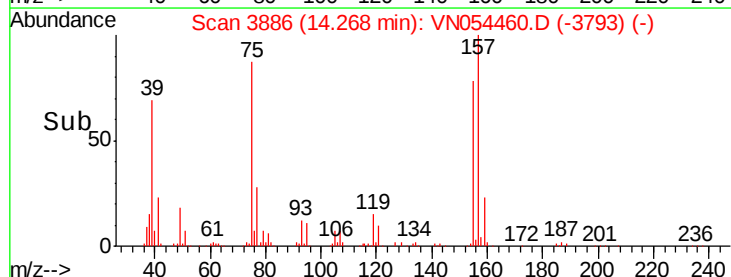
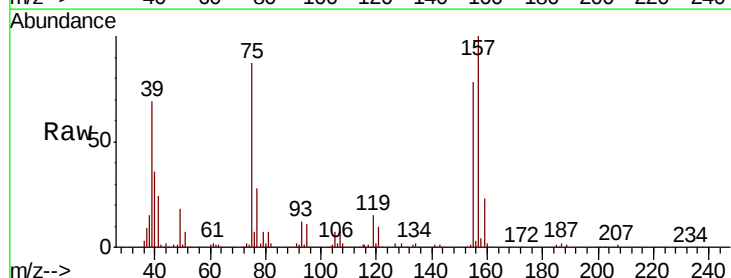
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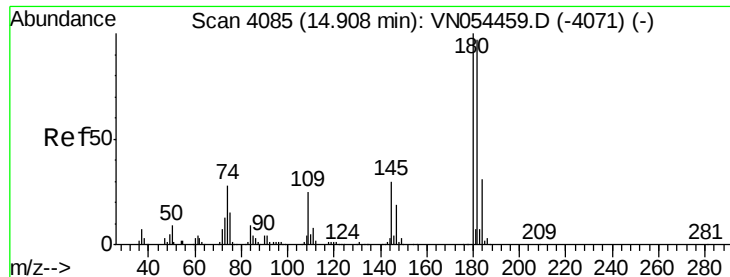
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 3/22/2019 3:17:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 108.666 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.2	50.1	150.3
157	115.3	63.1	189.3





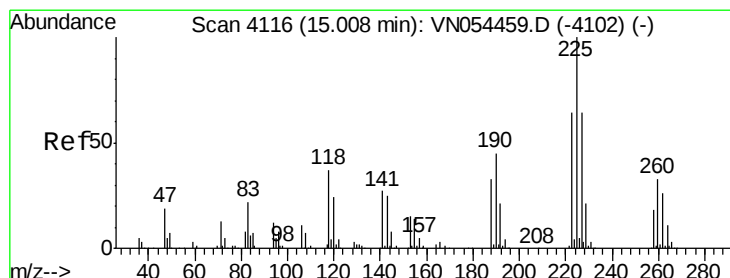
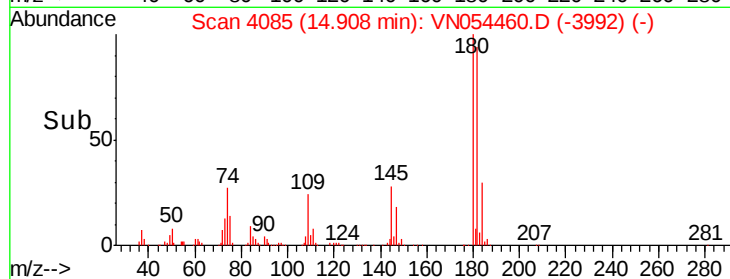
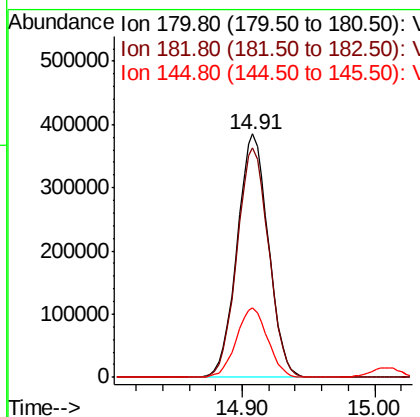
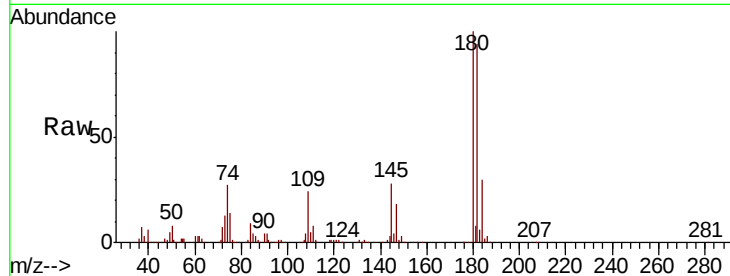
#93
 1,2,4-Trichlorobenzene
 Concen: 95.228 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	629464		
182	95.1	48.0	144.2	
145	28.5	14.2	42.8	

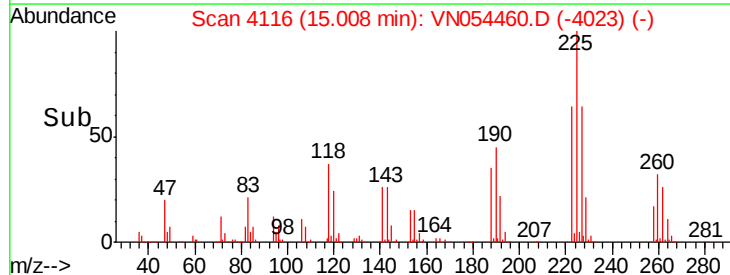
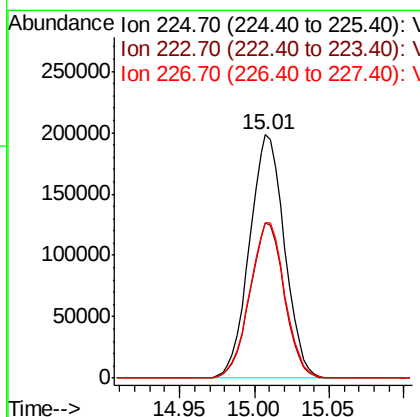
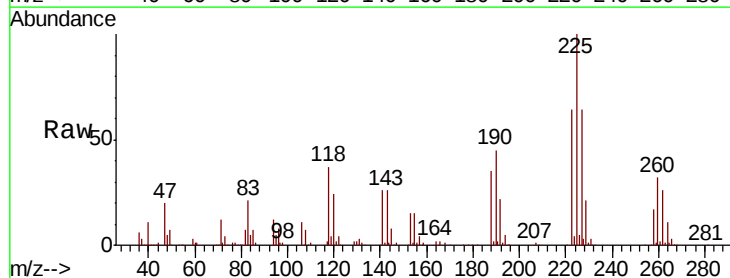
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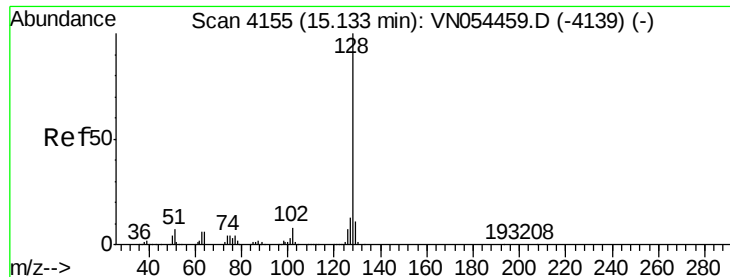
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 3/22/2019 3:17:20 PM



#94
 Hexachlorobutadiene
 Concen: 66.272 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054460.D
 Acq: 20 Mar 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	322849		
223	62.4	31.1	93.5	
227	64.1	31.9	95.9	





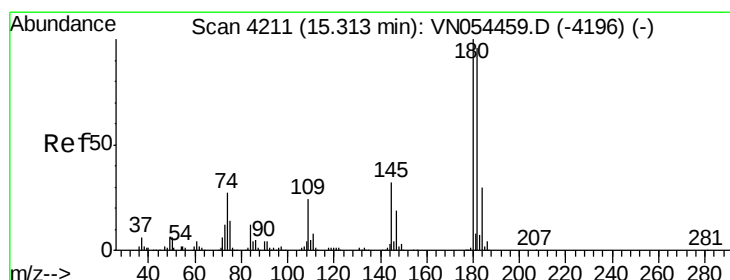
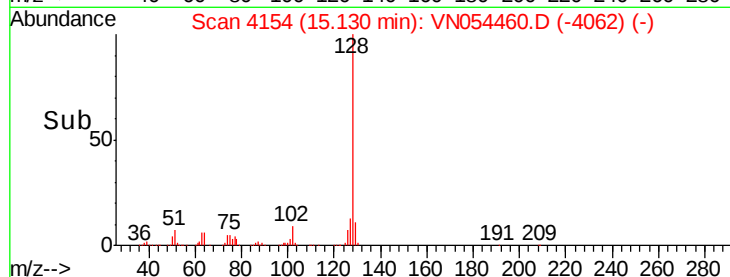
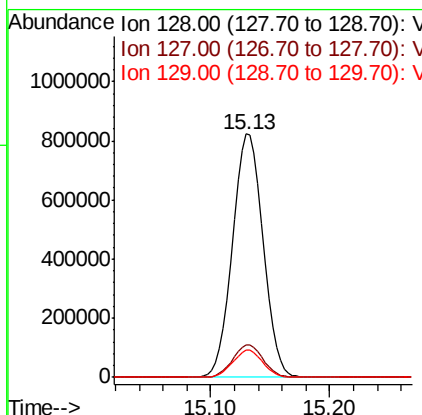
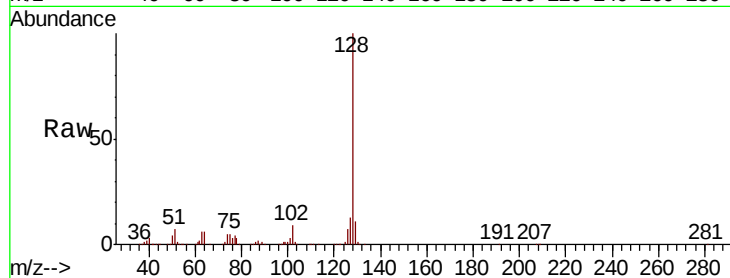
#95
Naphthalene
Concen: 107.722 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
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3/22/2019 3:17:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 89.911 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054460.D
Acq: 20 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.5	142.6
145	30.8	14.8	44.3

