

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054760.D
 Acq On : 29 Mar 2019 10:27
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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 4/1/2019 3:59:58 PM

Quant Time: Mar 30 00:20:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:11:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	455406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	745038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	609805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	222213	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	50323	8.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.40%	
35) Dibromofluoromethane	7.59	113	40990	8.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.50%	
50) Toluene-d8	10.09	98	141956	7.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	15.38%	
62) 4-Bromofluorobenzene	12.40	95	37300	6.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	23023	4.998	ug/l	97
3) Chloromethane	2.06	50	34559	5.426	ug/l	96
4) Vinyl Chloride	2.19	62	28999	5.070	ug/l	99
5) Bromomethane	2.57	94	18364	5.315	ug/l	96
6) Chloroethane	2.71	64	16018	5.015	ug/l	95
7) Trichlorofluoromethane	3.02	101	36191	5.147	ug/l	95
8) Diethyl Ether	3.41	74	12413	5.482	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.75	101	18972	5.458	ug/l	91
10) Methyl Iodide	3.94	142	24749	4.884	ug/l	91
11) Tert butyl alcohol	4.82	59	7658	23.705	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	18233	5.093	ug/l #	73
13) Acrolein	3.61	56	6049	21.155	ug/l #	75
14) Allyl chloride	4.32	41	38701	4.430	ug/l #	94
15) Acrylonitrile	4.99	53	41839	23.534	ug/l	97
16) Acetone	3.82	43	36084	24.649	ug/l	89
17) Carbon Disulfide	4.04	76	54555	4.699	ug/l	99
18) Methyl Acetate	4.33	43	21396	5.061	ug/l	90
19) Methyl tert-butyl Ether	5.06	73	60792	4.855	ug/l	97
20) Methylene Chloride	4.55	84	25810	4.998	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	22635	4.814	ug/l	91
22) Diisopropyl ether	5.96	45	84677	4.856	ug/l #	92
23) Vinyl Acetate	5.90	43	277635	23.428	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	46697	5.020	ug/l	97
25) 2-Butanone	6.85	43	54612	25.237	ug/l #	89
26) 2,2-Dichloropropane	6.83	77	32329	4.958	ug/l	93
27) cis-1,2-Dichloroethene	6.83	96	25514	4.803	ug/l	83
28) Bromochloromethane	7.19	49	22803	4.902	ug/l #	71
29) Tetrahydrofuran	7.22	42	34528	22.942	ug/l #	84
30) Chloroform	7.37	83	44332	4.998	ug/l	99
31) Cyclohexane	7.65	56	52223	4.878	ug/l #	86
32) 1,1,1-Trichloroethane	7.57	97	34308	4.667	ug/l #	93
36) 1,1-Dichloropropene	7.79	75	31607	4.648	ug/l	95
37) Ethyl Acetate	6.94	43	24013	4.807	ug/l	97
38) Carbon Tetrachloride	7.77	117	31585	4.684	ug/l	94

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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Quant Time: Mar 30 00:20:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:11:30 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	36737	4.813	ug/l #	85
40) Benzene	8.04	78	96936	4.880	ug/l	99
41) Methacrylonitrile	7.18	41	12493	4.368	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	35556	5.013	ug/l	99
43) Isopropyl Acetate	8.17	43	39589	4.786	ug/l #	91
44) Trichloroethene	8.84	130	27065	5.249	ug/l	94
45) 1,2-Dichloropropane	9.12	63	26706	4.715	ug/l	99
46) Dibromomethane	9.21	93	15439	4.845	ug/l	89
47) Bromodichloromethane	9.40	83	30818	4.654	ug/l	99
48) Methyl methacrylate	9.20	41	21339	4.759	ug/l #	83
49) 1,4-Dioxane	9.20	88	4353	97.837	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	107280	23.067	ug/l	94
52) Toluene	10.16	92	57519	4.866	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	25510	4.095	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	33366	4.484	ug/l #	83
55) 1,1,2-Trichloroethane	10.56	97	21234	4.831	ug/l	93
56) Ethyl methacrylate	10.43	69	24054	4.172	ug/l #	75
57) 1,3-Dichloropropane	10.71	76	37323	4.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	45286	20.484	ug/l #	89
59) 2-Hexanone	10.75	43	66005	22.170	ug/l	92
60) Dibromochloromethane	10.90	129	19279	4.330	ug/l	98
61) 1,2-Dibromoethane	11.01	107	19106	4.549	ug/l	99
64) Tetrachloroethene	10.63	164	25249	5.396	ug/l	93
65) Chlorobenzene	11.43	112	60338	5.054	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	22095	4.944	ug/l	93
67) Ethyl Benzene	11.51	91	109125	5.065	ug/l	99
68) m/p-Xylenes	11.62	106	78187	9.806	ug/l	98
69) o-Xylene	11.95	106	38807	4.964	ug/l	96
70) Styrene	11.96	104	59359	4.748	ug/l	97
71) Bromoform	12.13	173	10668	4.075	ug/l #	94
73) Isopropylbenzene	12.25	105	102225	5.628	ug/l	96
74) N-amyl acetate	12.07	43	26713	4.721	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	24670	5.469	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	20193m	5.412	ug/l	
77) Bromobenzene	12.53	156	24738	5.643	ug/l	86
78) n-propylbenzene	12.59	91	104852	5.252	ug/l	97
79) 2-Chlorotoluene	12.67	91	68085	5.513	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	82851	5.559	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	4093	4.124	ug/l #	66
82) 4-Chlorotoluene	12.77	91	64645	5.389	ug/l	94
83) tert-Butylbenzene	12.99	119	72277	5.546	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	77158	5.434	ug/l	97
85) sec-Butylbenzene	13.17	105	86713	5.356	ug/l	98
86) p-Isopropyltoluene	13.29	119	75409	5.281	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	37493	5.109	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	35174	4.887	ug/l	89
89) n-Butylbenzene	13.61	91	54630	4.689	ug/l	97
90) Hexachloroethane	13.87	117	11739	4.842	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	39081	5.276	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2953	4.756	ug/l	77

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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Quant Time: Mar 30 00:20:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:11:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	13414	3.757	ug/l	98
94) Hexachlorobutadiene	15.01	225	12773	5.303	ug/l	97
95) Naphthalene	15.13	128	29045	3.627	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	14860	4.121	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 455406

Ion Ratio Lower Upper

168 100

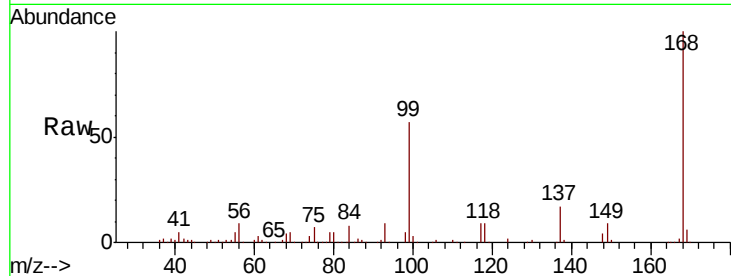
99 56.1 37.1 55.7#

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

200000

150000

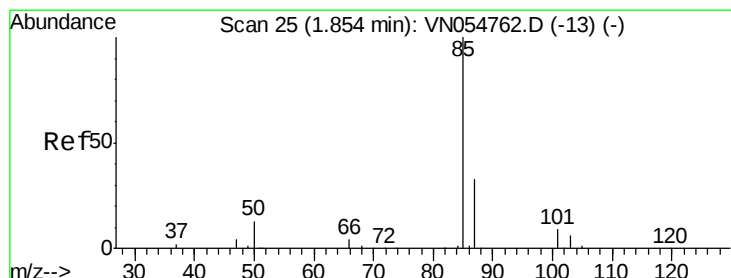
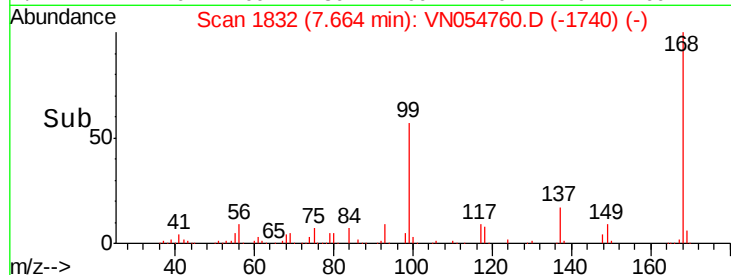
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 4.998 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054760.D

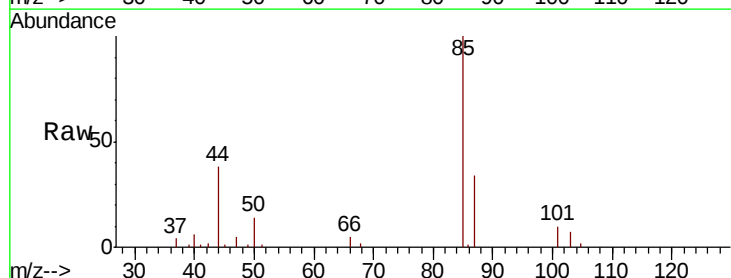
Acq: 29 Mar 2019 10:27

Tgt Ion: 85 Resp: 23023

Ion Ratio Lower Upper

85 100

87 33.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

15000

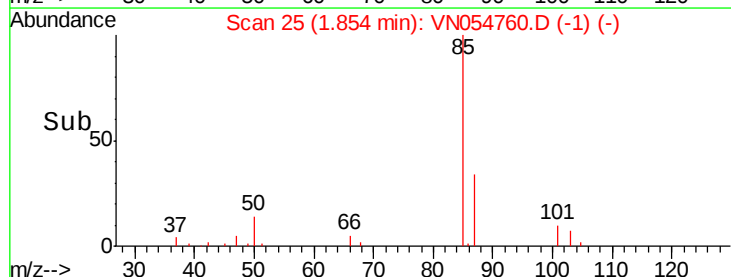
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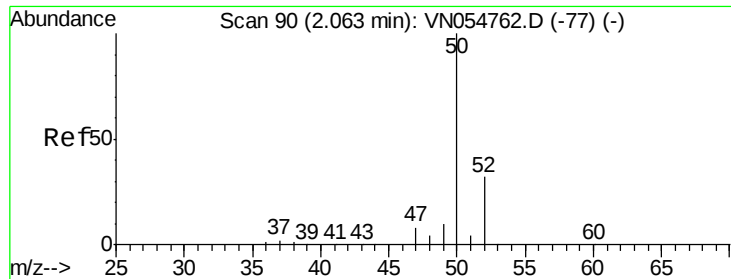
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 5.426 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 34559

Ion Ratio Lower Upper

50 100

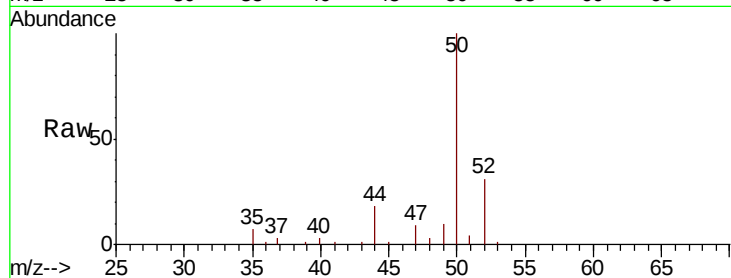
52 30.7 26.4 39.6

Manual Integrations

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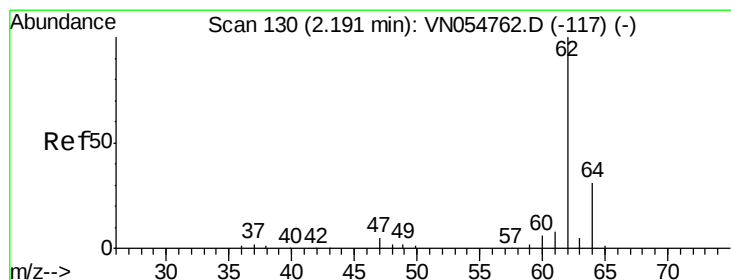
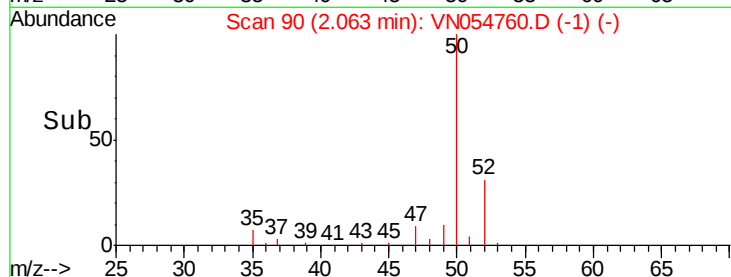
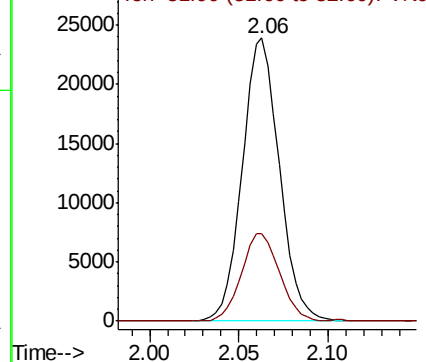
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 5.070 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054760.D

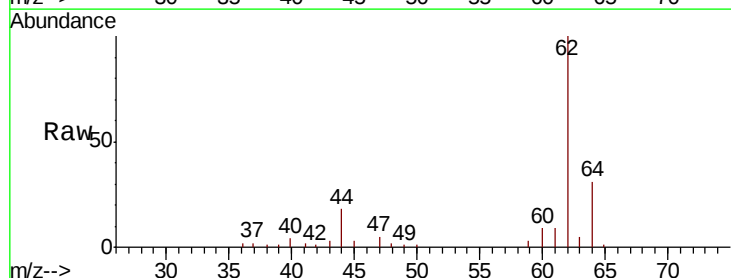
Acq: 29 Mar 2019 10:27

Tgt Ion: 62 Resp: 28999

Ion Ratio Lower Upper

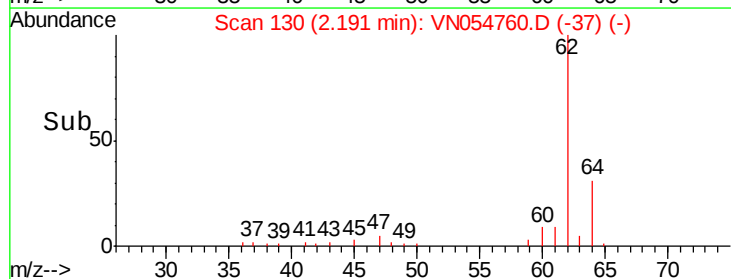
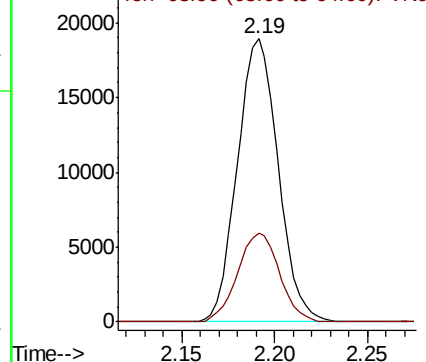
62 100

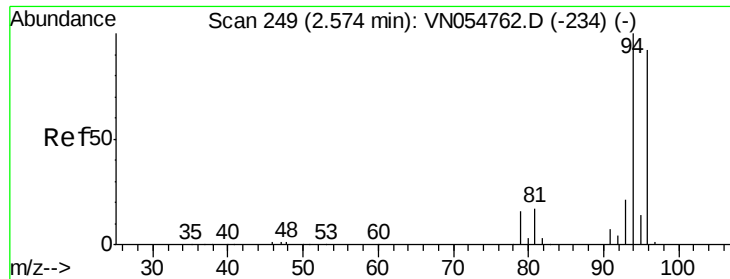
64 31.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 5.315 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 18364

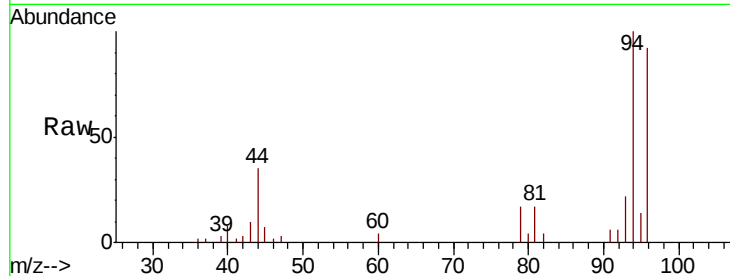
Ion Ratio Lower Upper

94 100

96 92.1 77.0 115.4

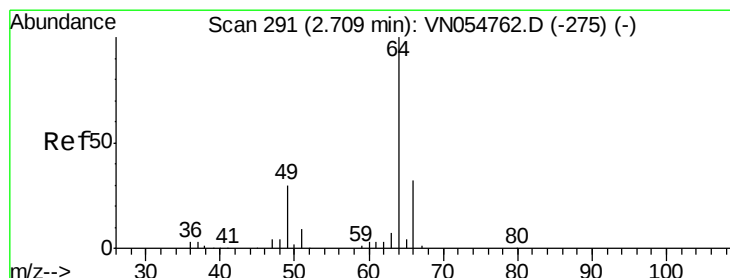
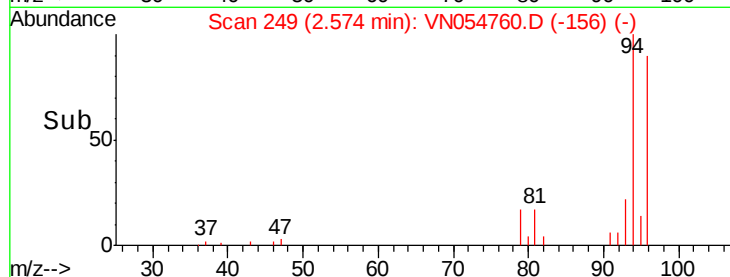
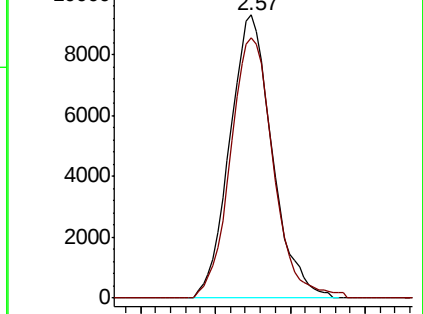
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.015 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054760.D

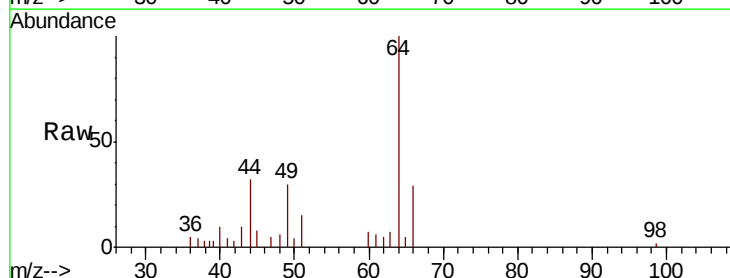
Acq: 29 Mar 2019 10:27

Tgt Ion: 64 Resp: 16018

Ion Ratio Lower Upper

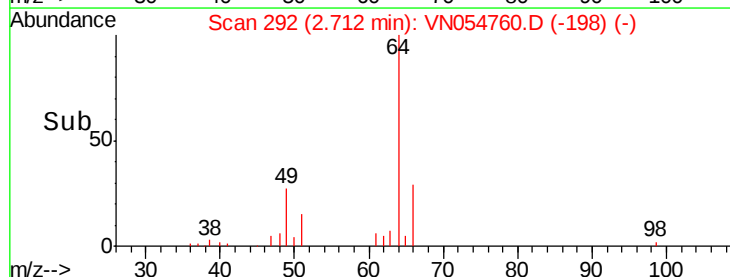
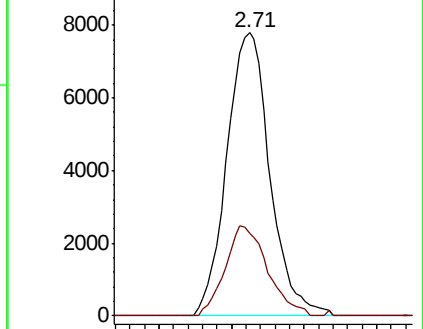
64 100

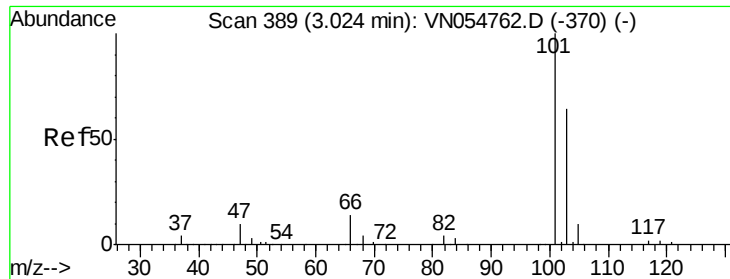
66 29.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

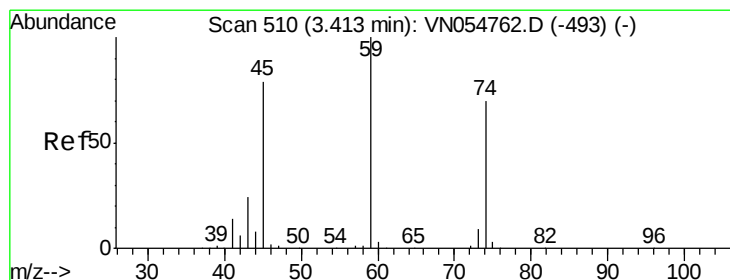
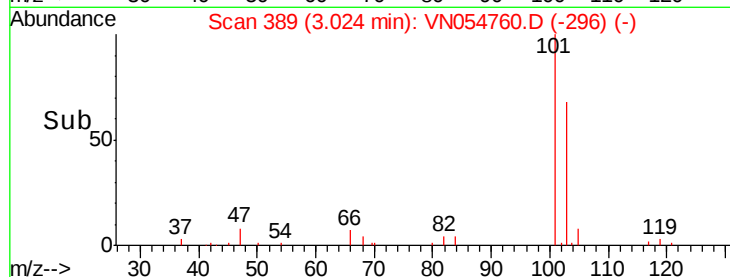
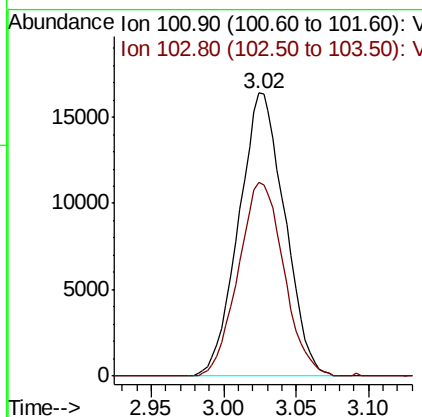
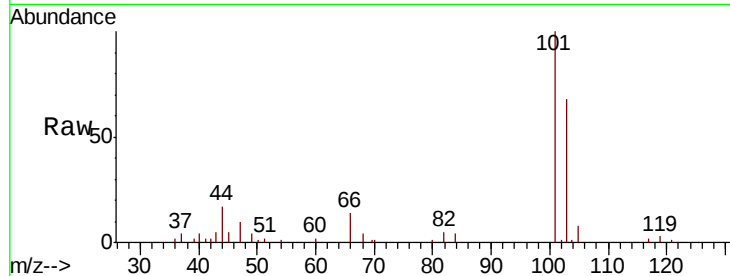
Trichlorofluoromethane
 Concen: 5.147 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054760.D
 Acq: 29 Mar 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.3	51.4	77.2

Manual Integrations
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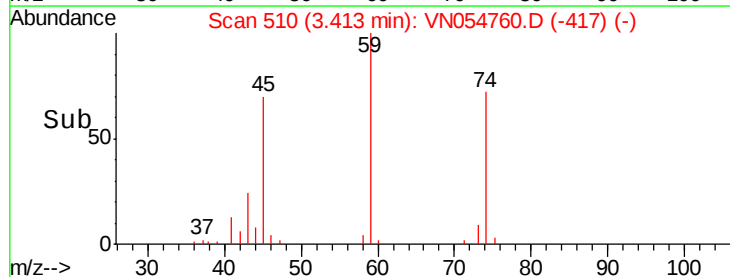
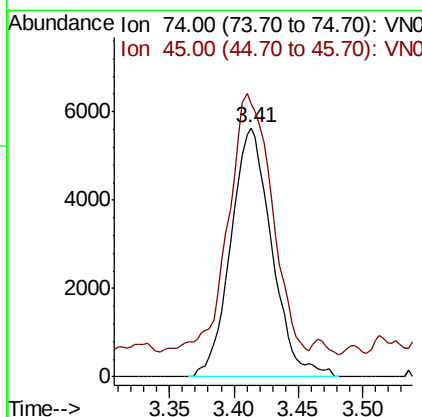
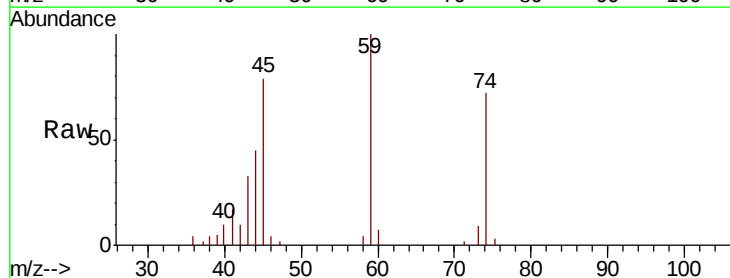
MMDadoda
 4/1/2019 3:59:58 PM

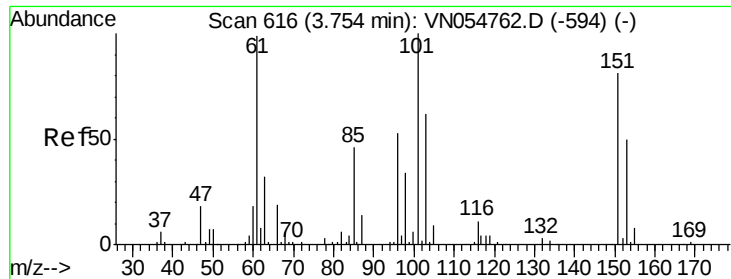


#8

Diethyl Ether
 Concen: 5.482 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054760.D
 Acq: 29 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.8	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.458 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 18972

Ion Ratio Lower Upper

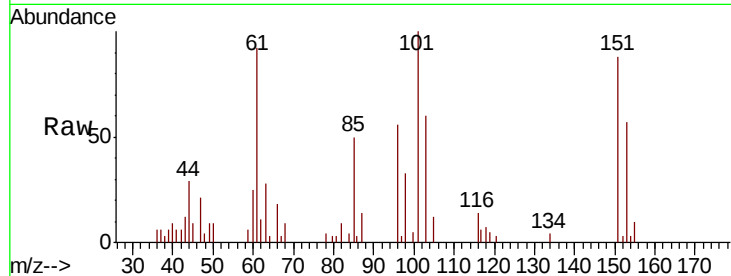
101 100

85 47.9 32.4 48.6

151 78.7 68.2 102.2

Manual Integrations
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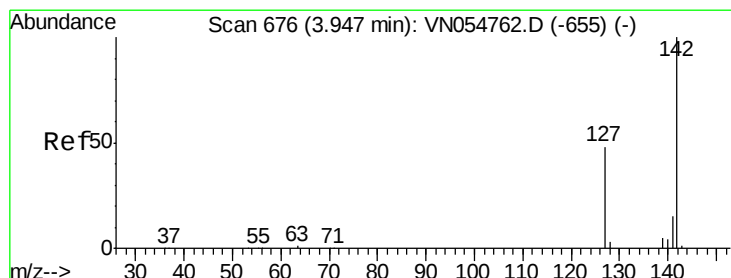
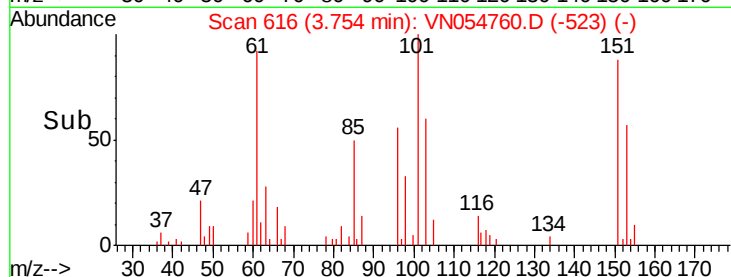
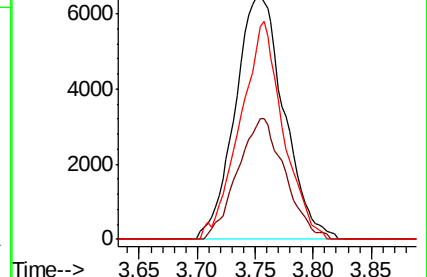
MMDadoda
4/1/2019 3:59:58 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.884 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

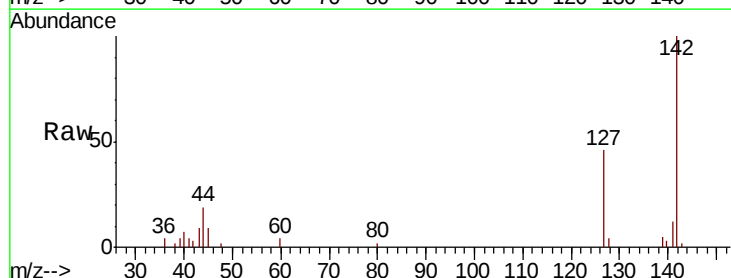
Tgt Ion:142 Resp: 24749

Ion Ratio Lower Upper

142 100

127 45.1 30.3 45.5

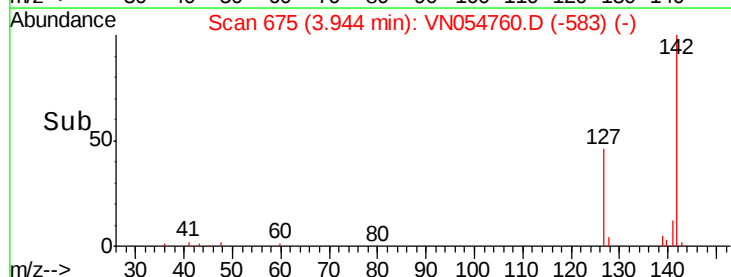
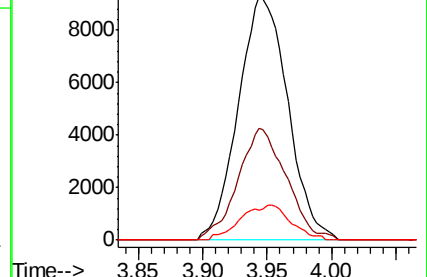
141 14.7 11.2 16.8

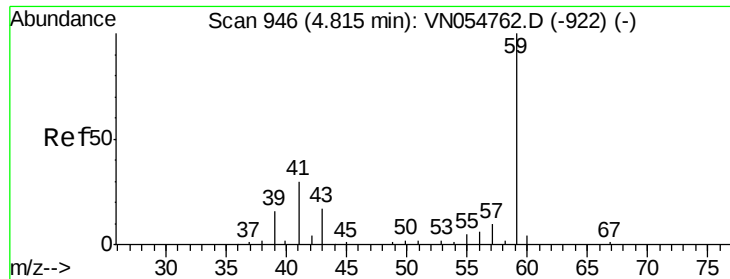


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





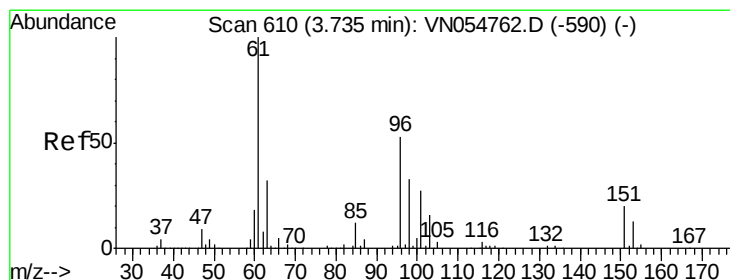
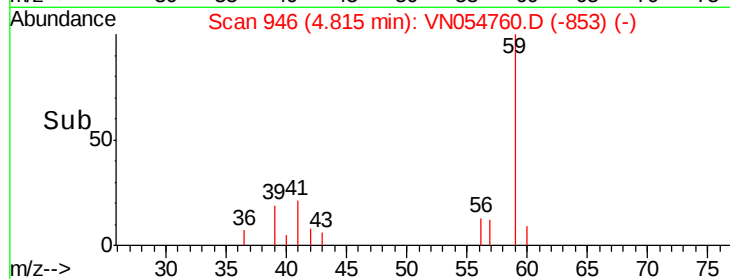
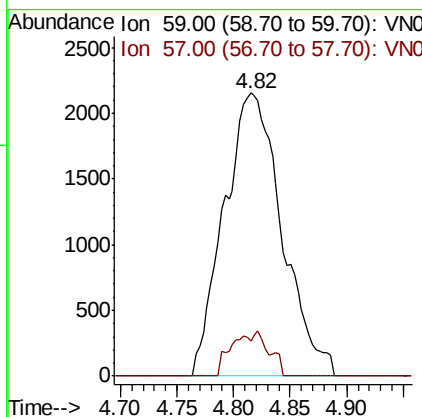
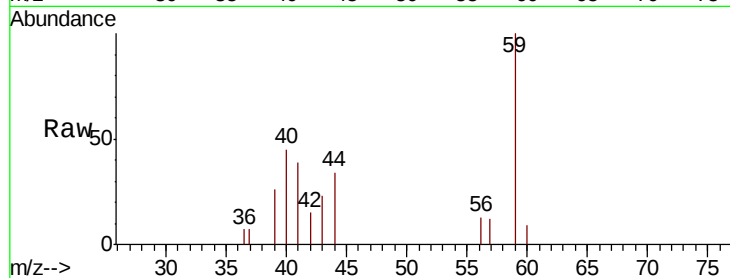
#11
Tert butyl alcohol
Concen: 23.705 ug/l
RT: 4.82 min Scan# 946
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 59 Resp: 7658
Ion Ratio Lower Upper
59 100
57 5.6 9.0 13.6#

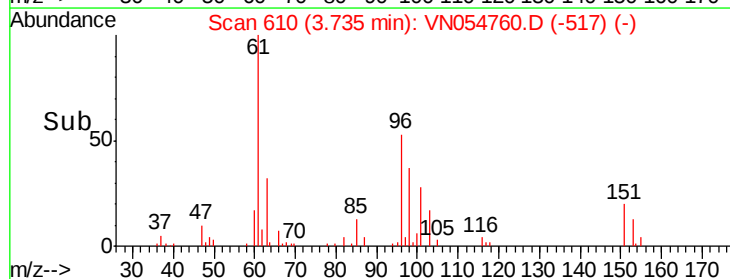
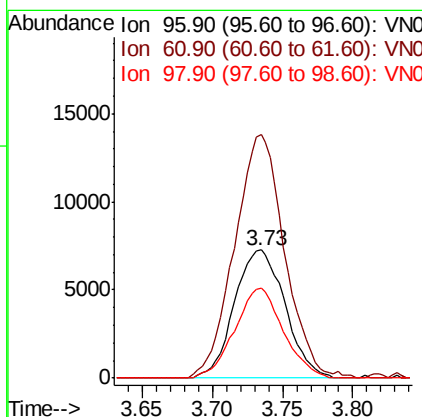
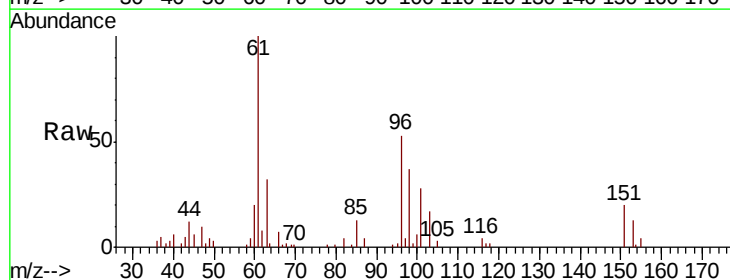
Manual Integrations
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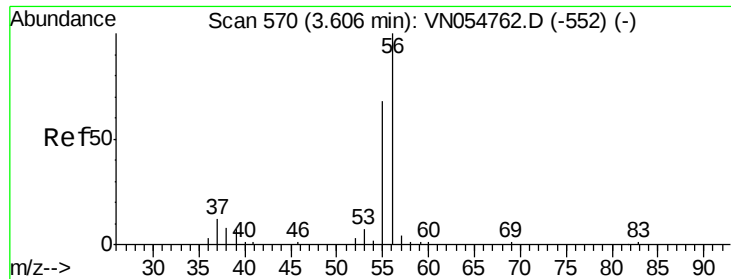
MMDadoda
4/1/2019 3:59:58 PM



#12
1,1-Dichloroethene
Concen: 5.093 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Tgt Ion: 96 Resp: 18233
Ion Ratio Lower Upper
96 100
61 189.8 116.5 174.7#
98 69.9 51.0 76.4





#13

Acrolein

Concen: 21.155 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 6049

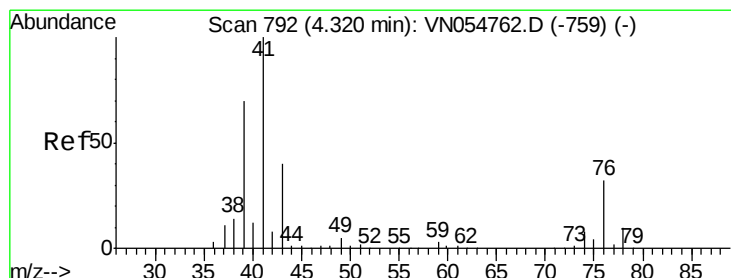
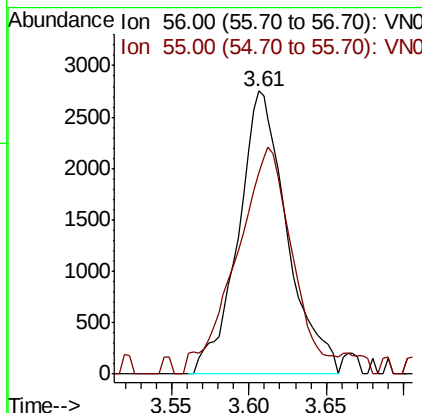
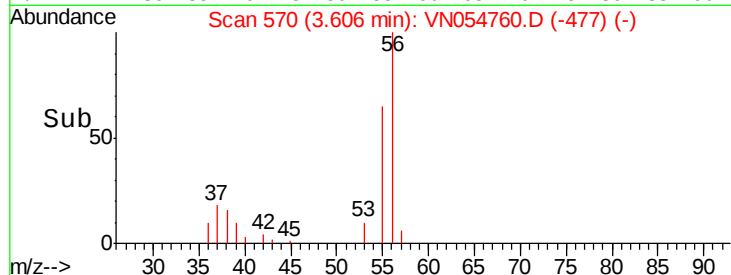
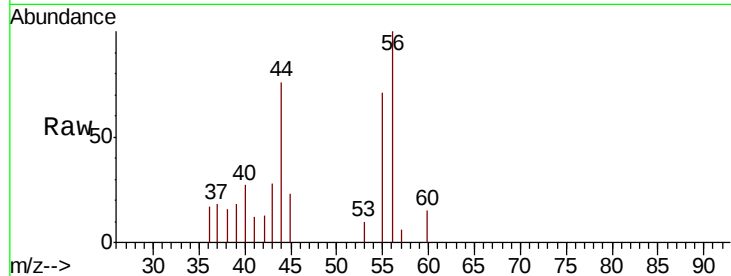
Ion Ratio Lower Upper

56 100

55 91.7 56.7 85.1#

Manual Integrations
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#14

Allyl chloride

Concen: 4.430 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

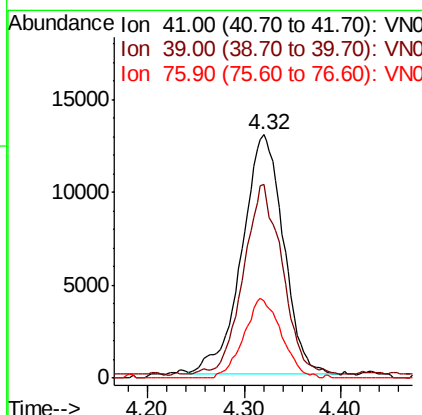
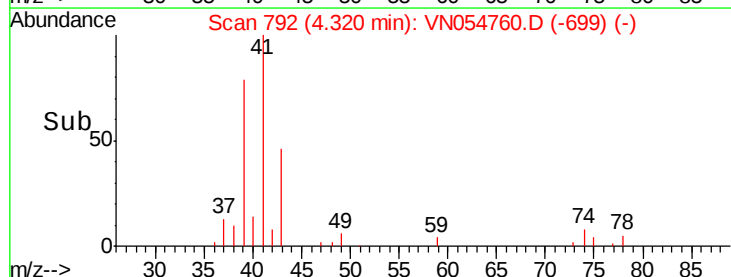
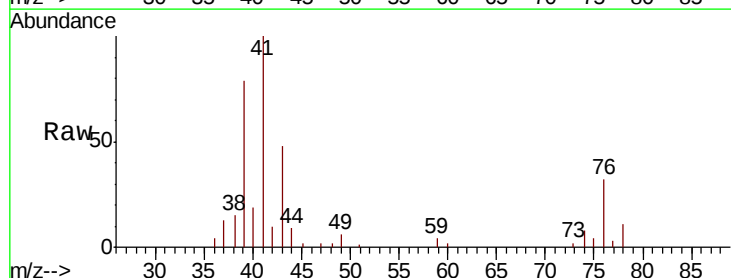
Tgt Ion: 41 Resp: 38701

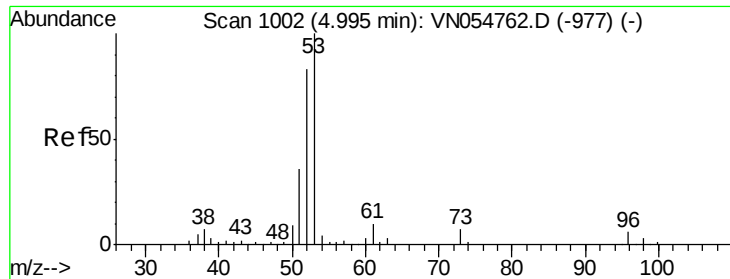
Ion Ratio Lower Upper

41 100

39 73.2 58.2 87.4

76 29.9 31.7 47.5#





#15

Acrylonitrile

Concen: 23.534 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

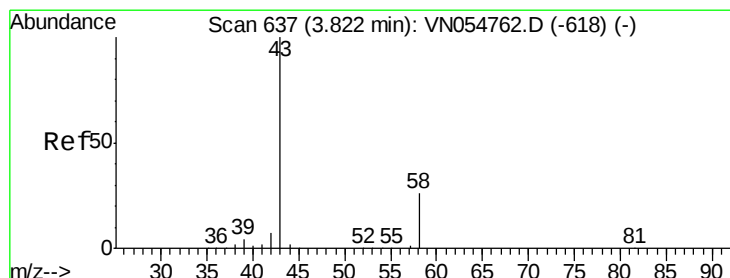
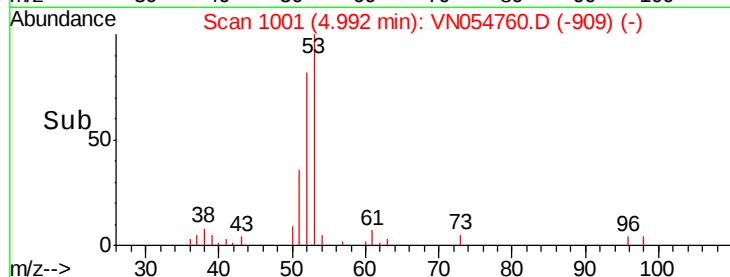
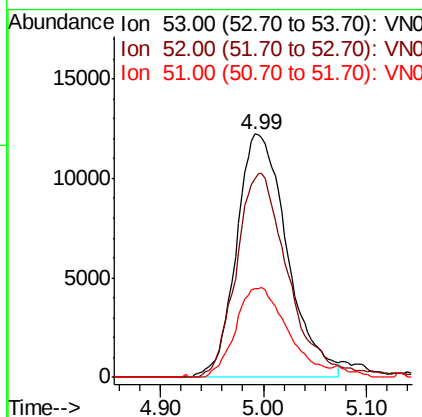
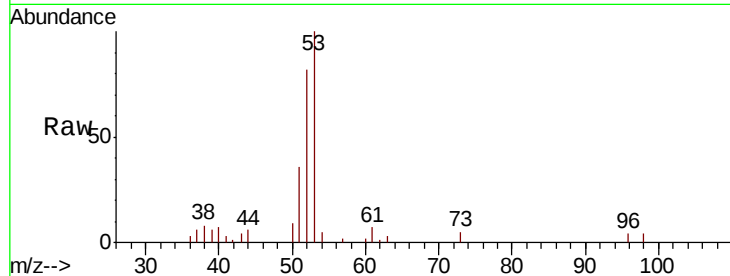
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	41839
Ion	Ratio	Lower	Upper
53	100		
52	86.2	66.4	99.6
51	37.6	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 24.649 ug/l

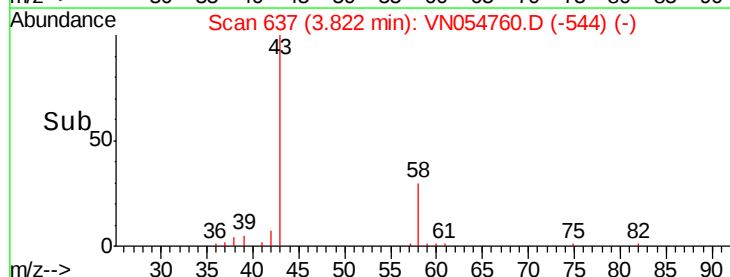
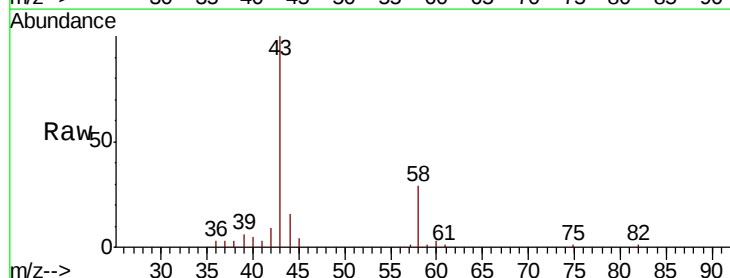
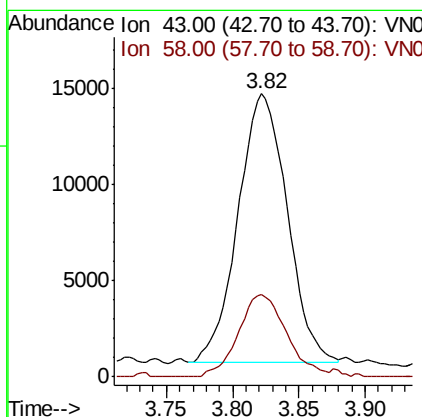
RT: 3.82 min Scan# 637

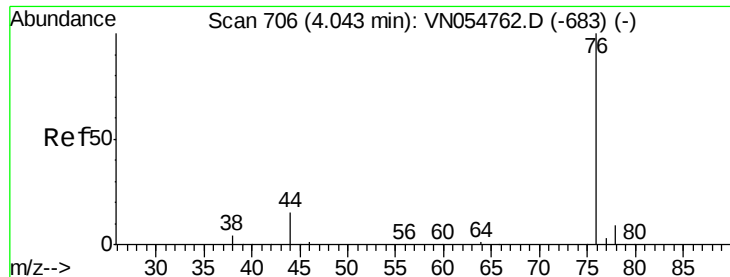
Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Tgt Ion:	43	Resp:	36084
Ion	Ratio	Lower	Upper
43	100		
58	30.7	29.9	44.9





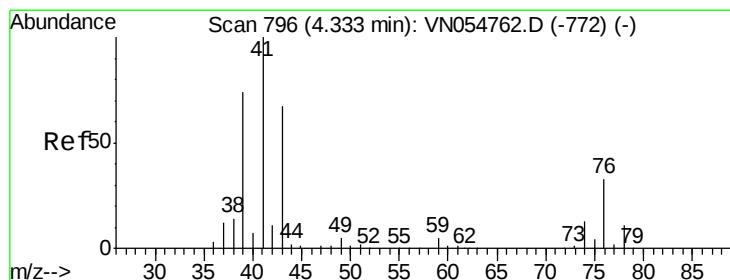
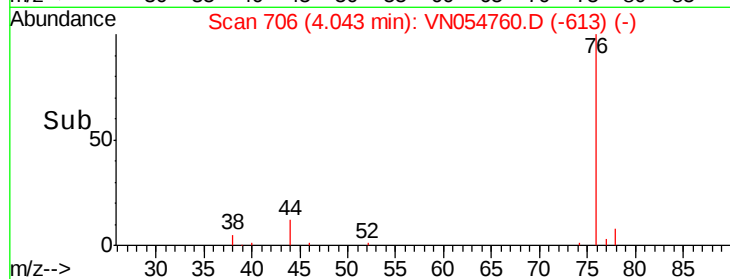
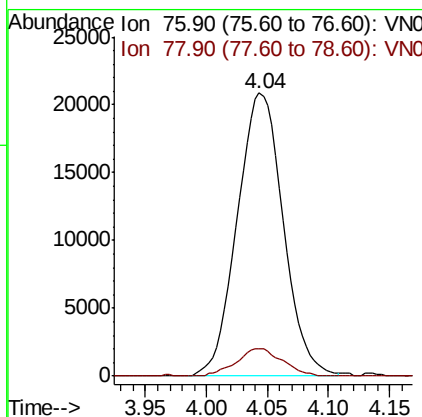
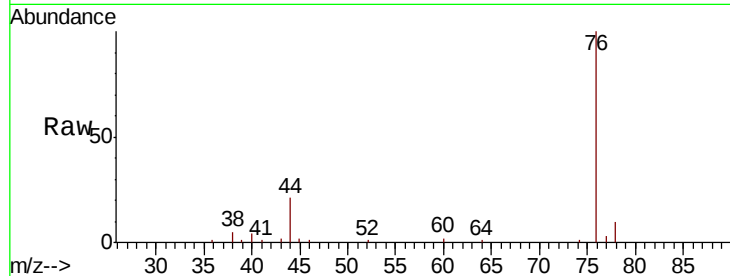
#17
Carbon Disulfide
Concen: 4.699 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.5	11.3

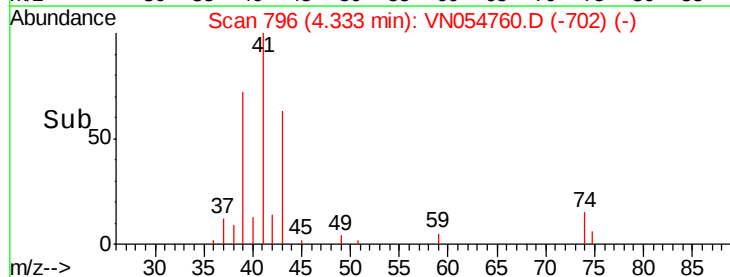
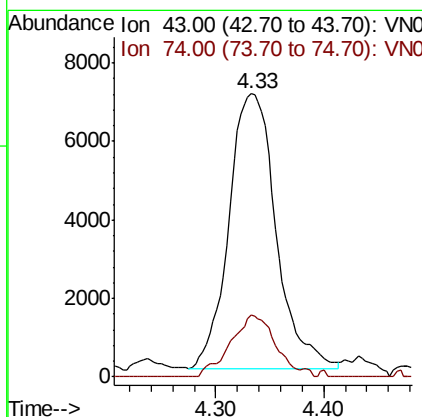
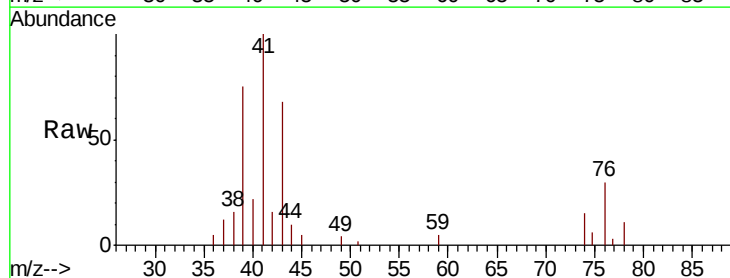
Manual Integrations
APPROVED

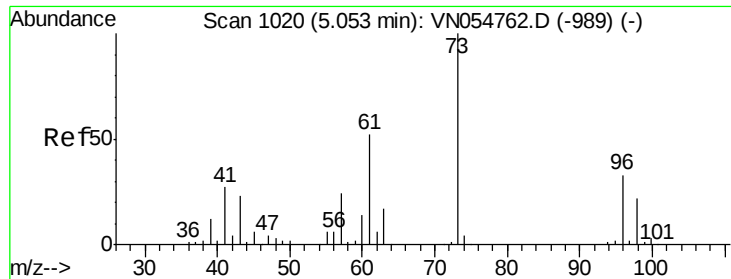
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#18
Methyl Acetate
Concen: 5.061 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	20.8	31.2





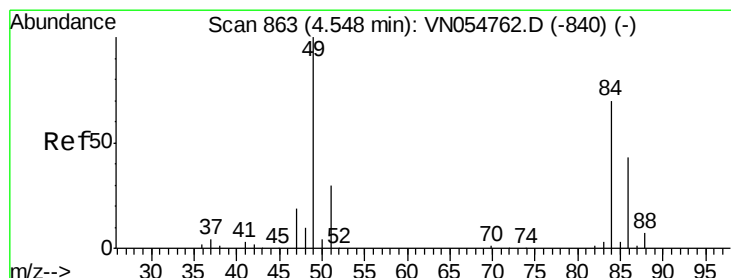
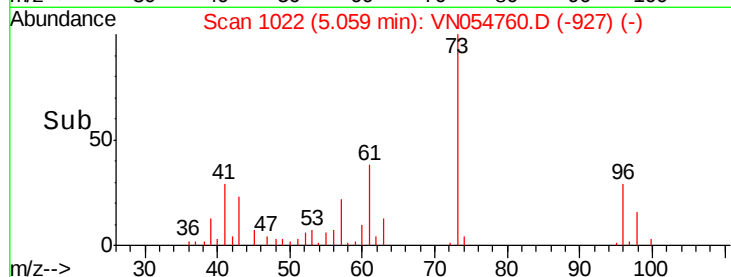
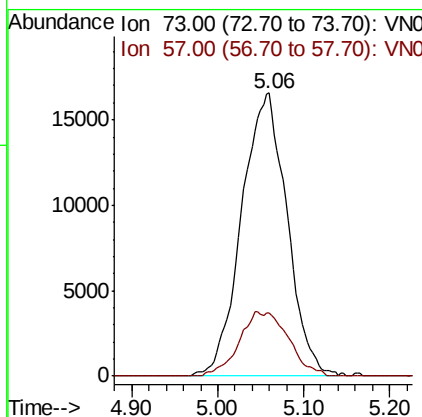
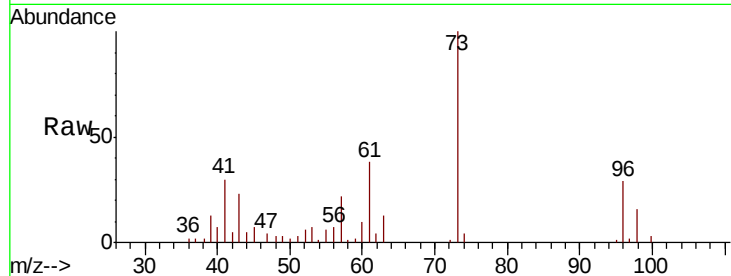
#19
Methvl tert-butvl Ether
Concen: 4.855 ug/l
RT: 5.06 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 60792
Ion Ratio Lower Upper
73 100
57 22.2 16.8 25.2

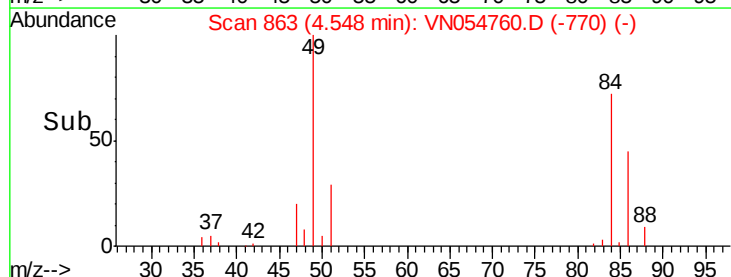
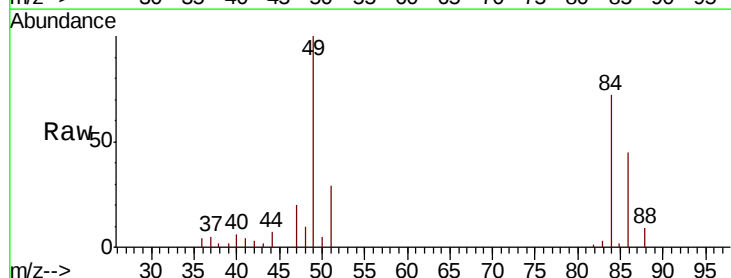
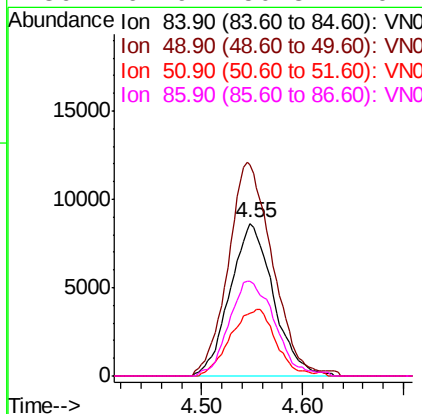
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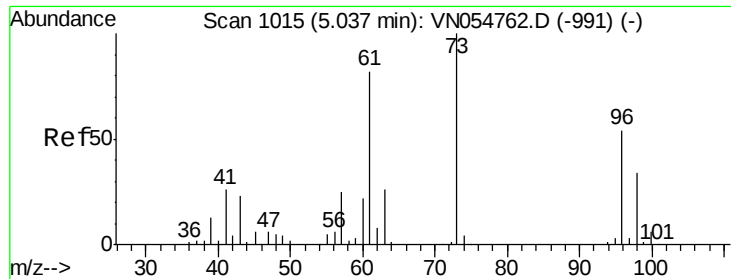
MMDadoda
4/1/2019 3:59:58 PM



#20
Methylene Chloride
Concen: 4.998 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Tgt Ion: 84 Resp: 25810
Ion Ratio Lower Upper
84 100
49 139.0 89.7 134.5#
51 40.9 28.2 42.4
86 61.9 50.8 76.2





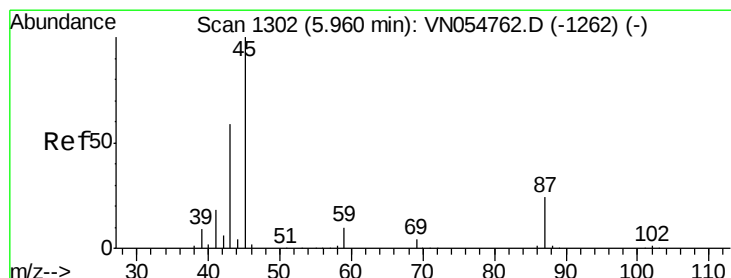
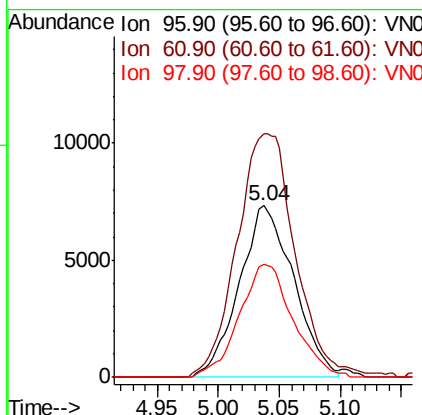
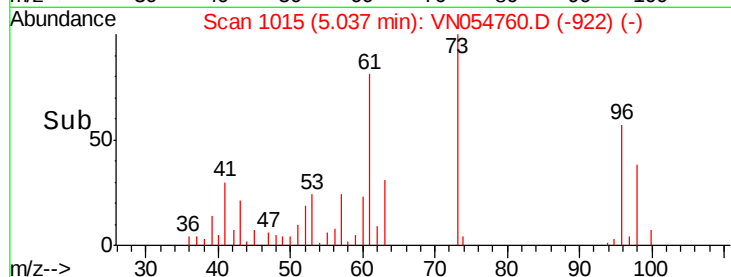
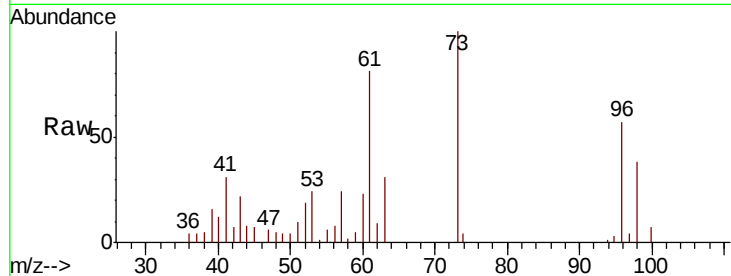
#21
trans-1,2-Dichloroethene
Concen: 4.814 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.1	102.8	154.2
98	65.8	50.0	75.0

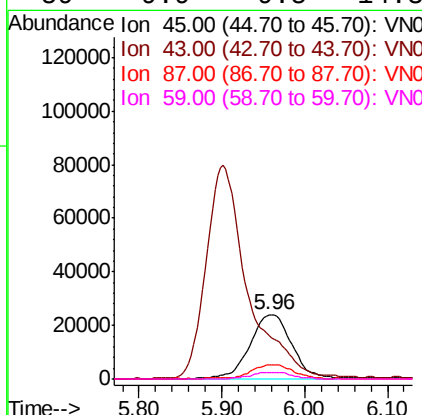
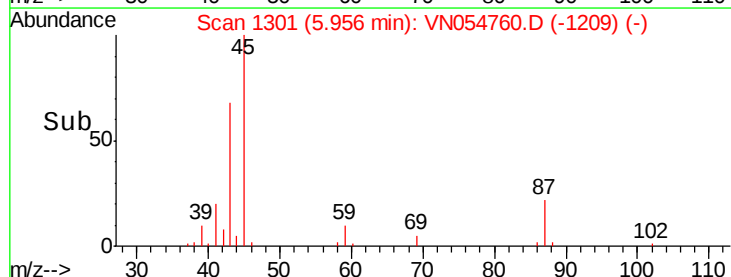
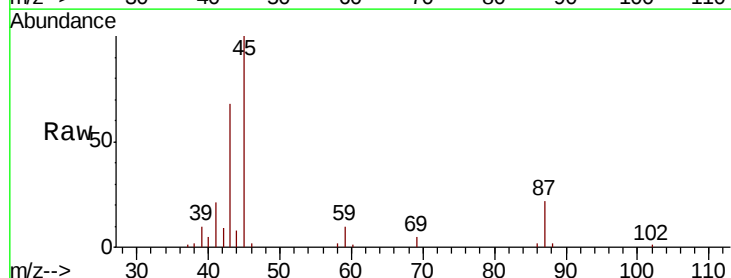
Manual Integrations
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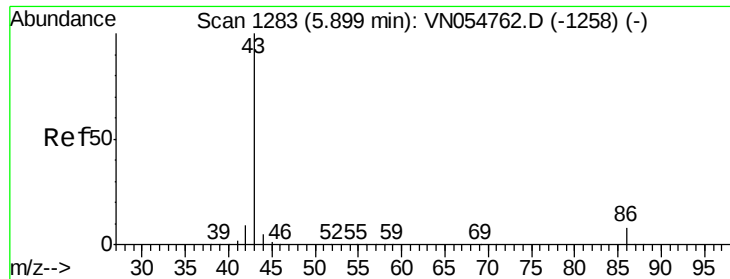
MMDadoda
4/1/2019 3:59:58 PM



#22
Diisopropyl ether
Concen: 4.856 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.2	48.2	72.2
87	21.0	24.9	37.3
59	9.9	9.5	14.3





#23

Vinyl Acetate

Concen: 23.428 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 277635

Ion Ratio Lower Upper

43 100

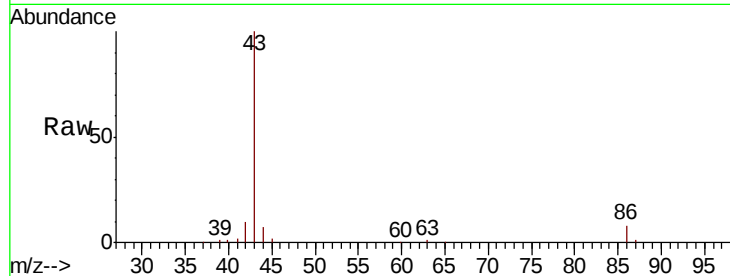
86 8.4 9.1 13.7#

Manual Integrations

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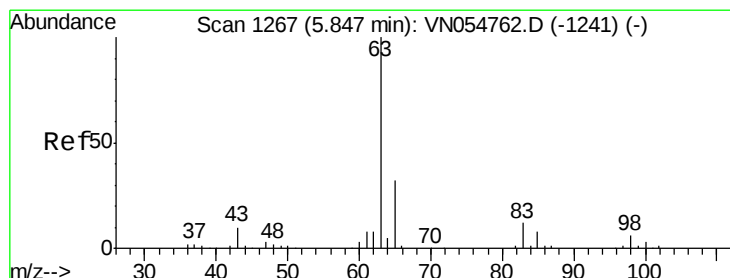
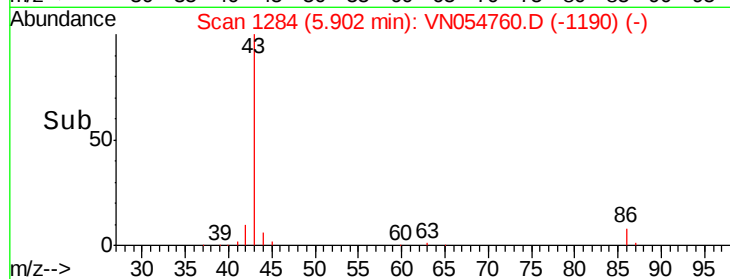
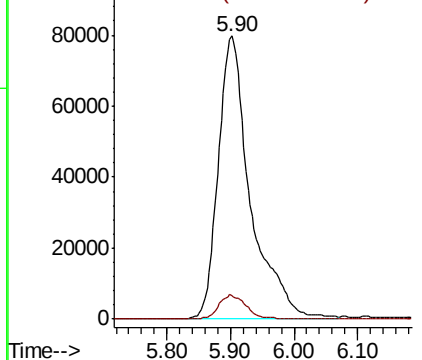
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN054760.D (-1283) (-)

Ion 86.00 (85.70 to 86.70): VN054760.D (-1283) (-)



#24

1,1-Dichloroethane

Concen: 5.020 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

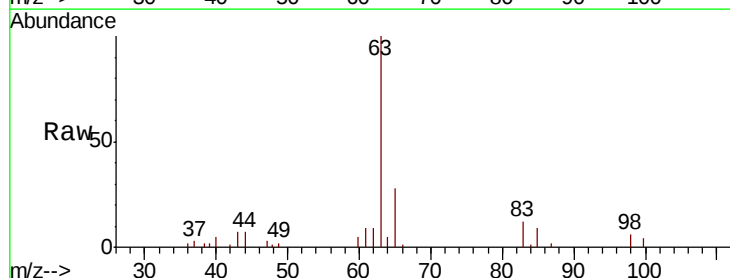
Tgt Ion: 63 Resp: 46697

Ion Ratio Lower Upper

63 100

98 5.6 3.5 10.5

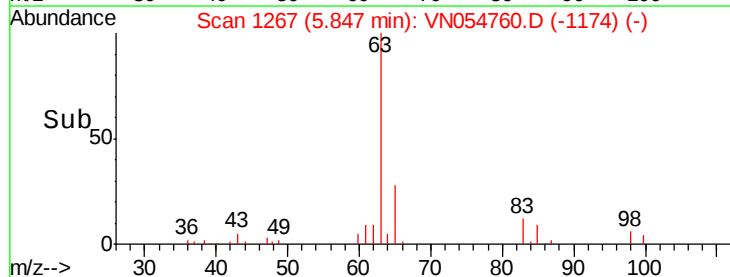
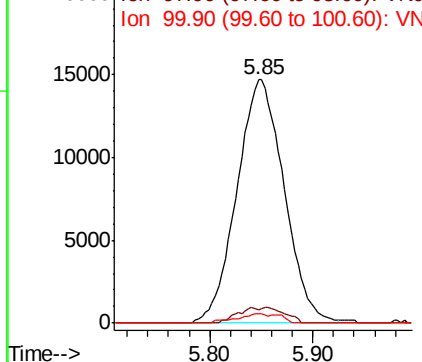
100 4.1 2.0 6.0

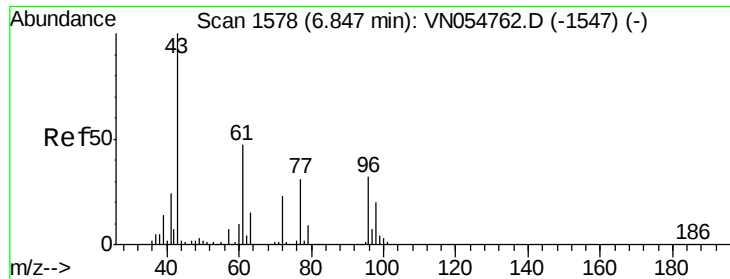


Abundance Ion 62.90 (62.60 to 63.60): VN054760.D (-1267) (-)

Ion 97.90 (97.60 to 98.60): VN054760.D (-1267) (-)

Ion 99.90 (99.60 to 100.60): VN054760.D (-1267) (-)





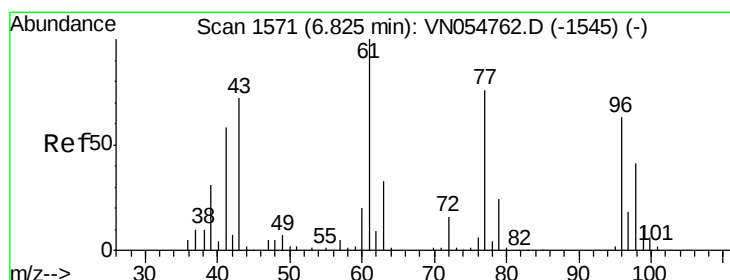
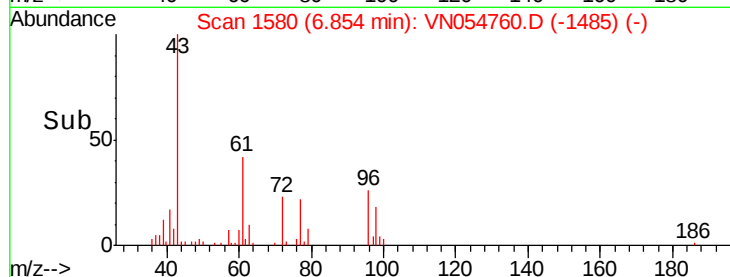
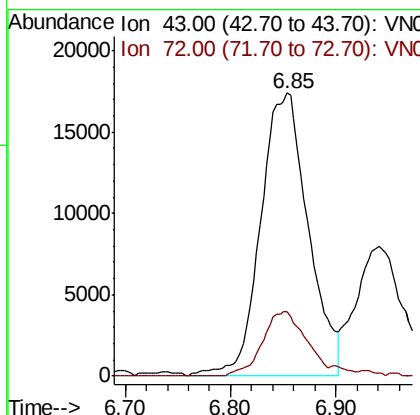
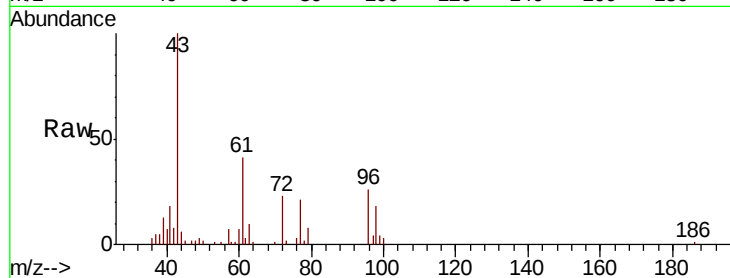
#25
2-Butanone
Concen: 25.237 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 54612
Ion Ratio Lower Upper
43 100
72 22.9 23.0 34.6#

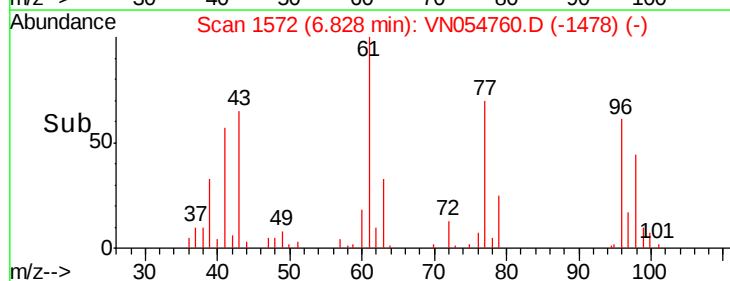
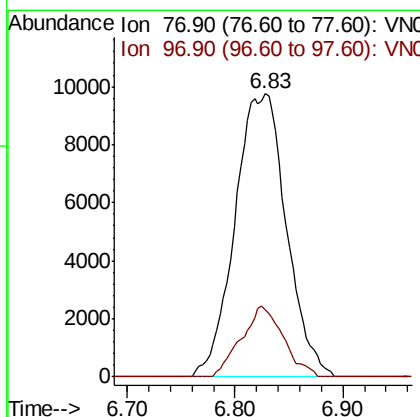
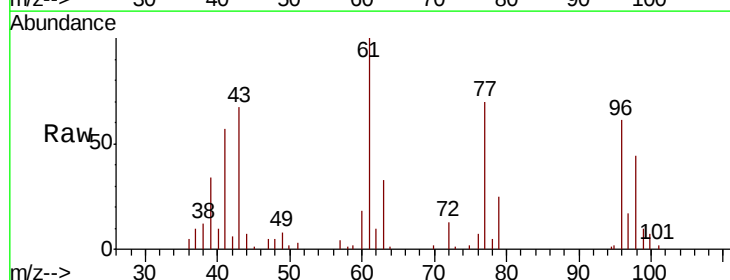
Manual Integrations
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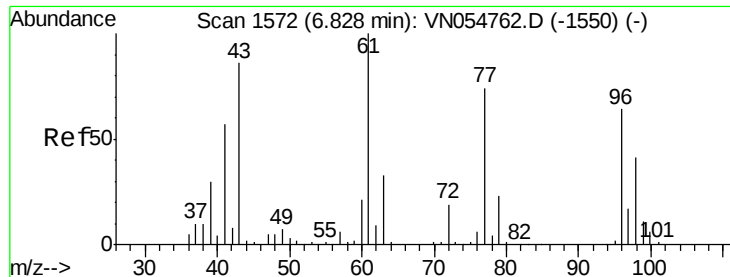
MMDadoda
4/1/2019 3:59:58 PM



#26
2,2-Dichloropropane
Concen: 4.958 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Tgt Ion: 77 Resp: 32329
Ion Ratio Lower Upper
77 100
97 20.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 4.803 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

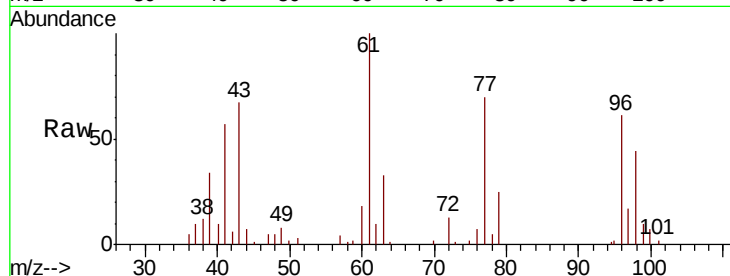
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	25514
Ion	Ratio	Lower	Upper
96	100		
61	163.8	0.0	273.0
98	68.5	0.0	130.6

Manual Integrations
APPROVED

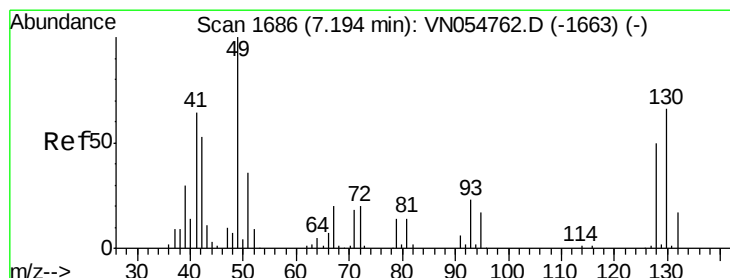
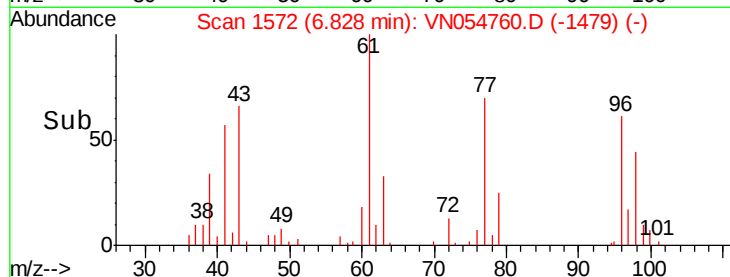
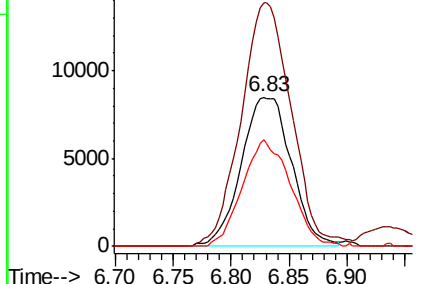
MMDadoda
4/1/2019 3:59:58 PM



Abundance Ion 95.90 (95.60 to 96.60): VN054760.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN054760.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN054760.D (-1550) (-)



#28

Bromochloromethane

Concen: 4.902 ug/l

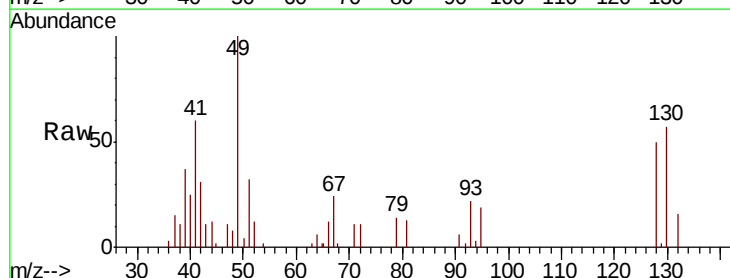
RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

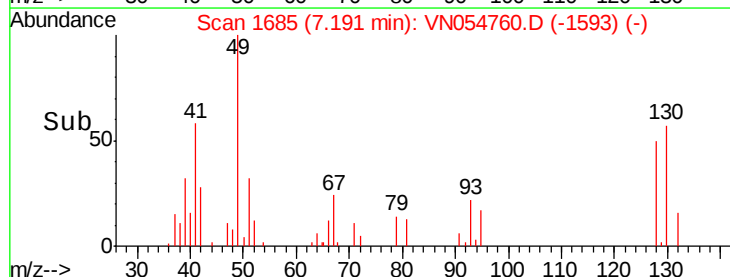
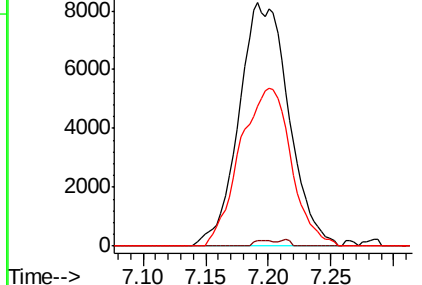
Tgt Ion:	49	Resp:	22803
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.6
130	66.8	76.7	115.1#

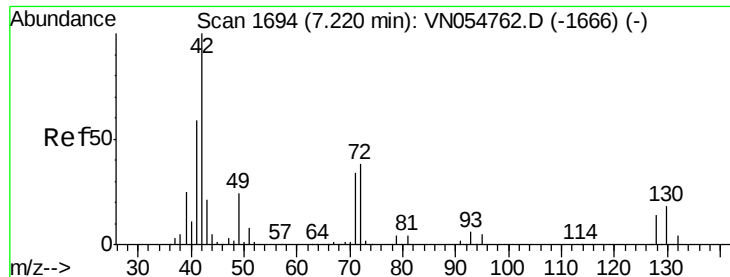


Abundance Ion 48.90 (48.60 to 49.60): VN054760.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN054760.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN054760.D (-1663) (-)





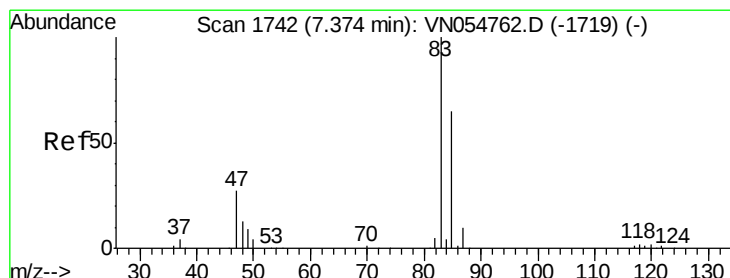
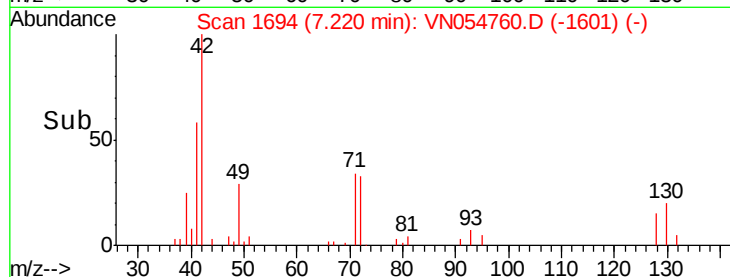
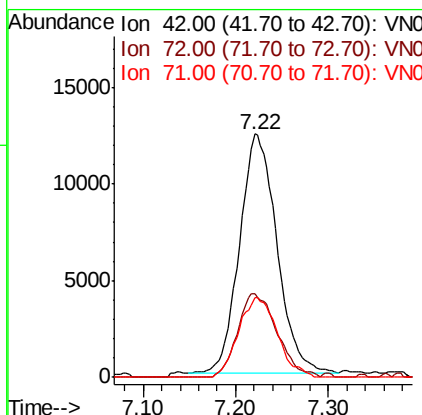
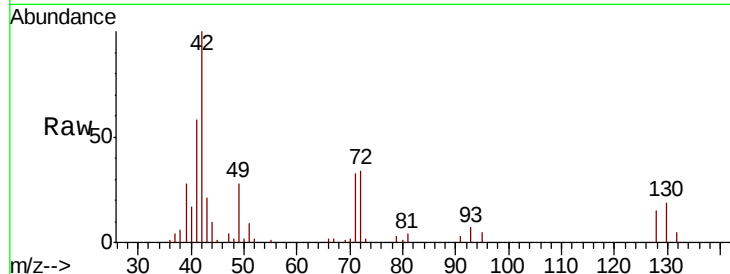
#29
Tetrahydrofuran
Concen: 22.942 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	37.8	56.6#
71	34.6	36.2	54.2#

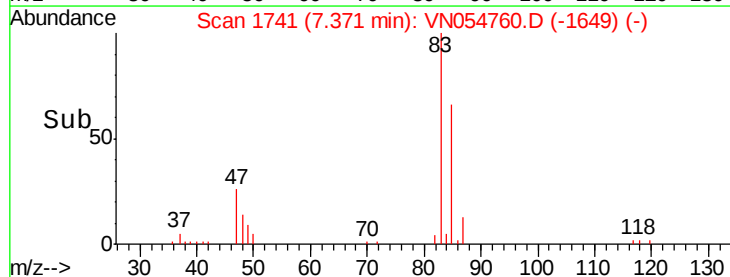
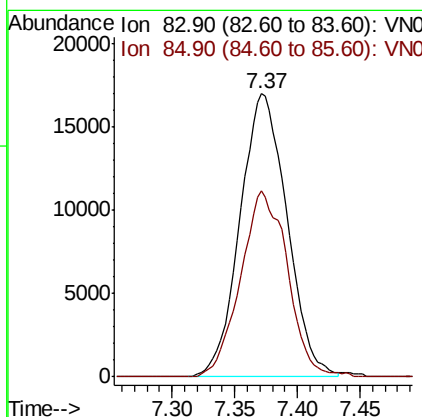
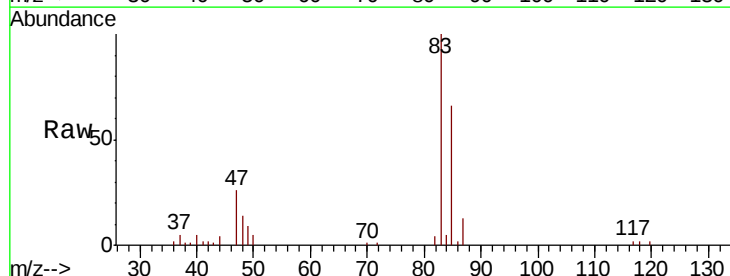
Manual Integrations
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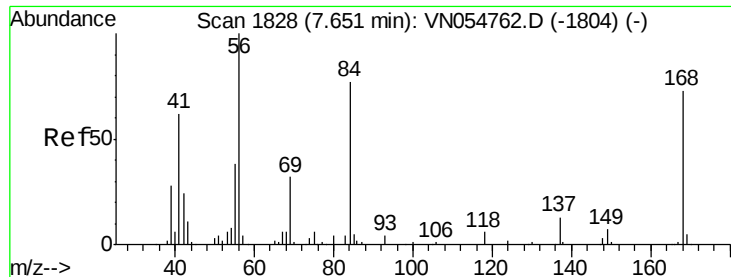
MMDadoda
4/1/2019 3:59:58 PM



#30
Chloroform
Concen: 4.998 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.2	78.4





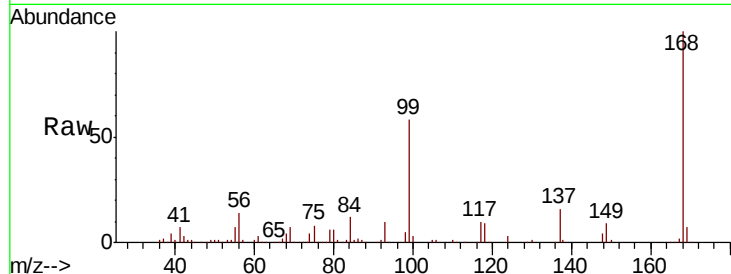
#31
Cyclohexane
Concen: 4.878 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

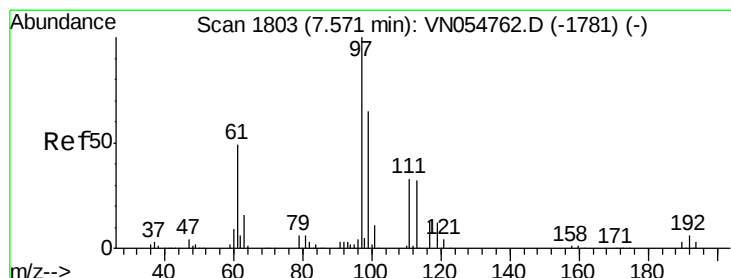
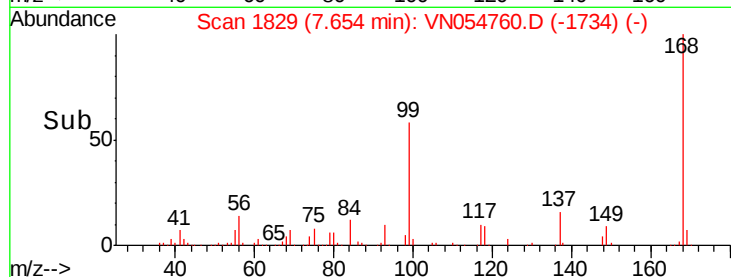
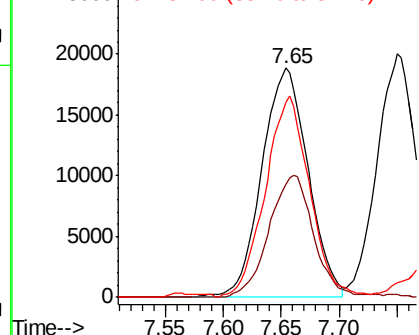
Tot Ion	Ratio	Lower	Upper
56	100		
69	49.6	27.8	41.6#
84	84.2	74.6	111.8

Manual Integrations
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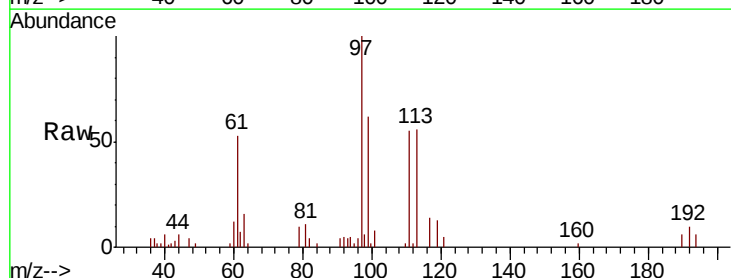


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

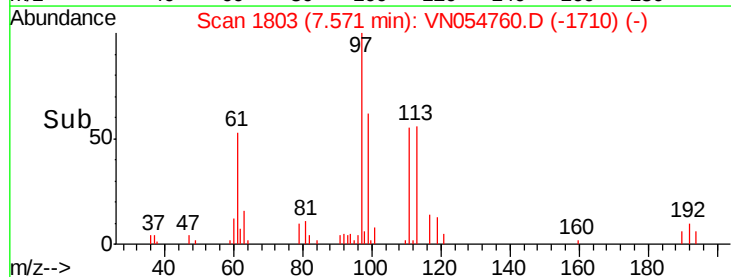
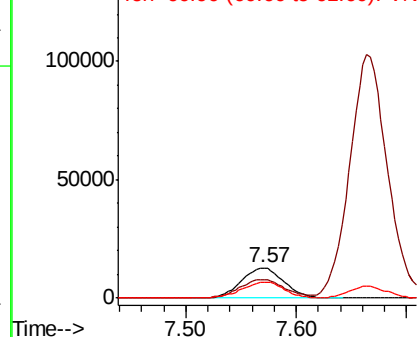


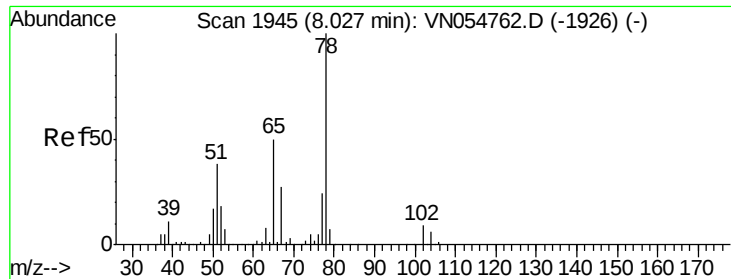
#32
1,1,1-Trichloroethane
Concen: 4.667 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.5	77.3
61	53.0	33.6	50.4#



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





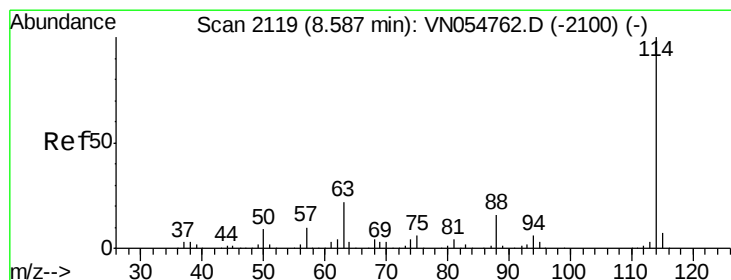
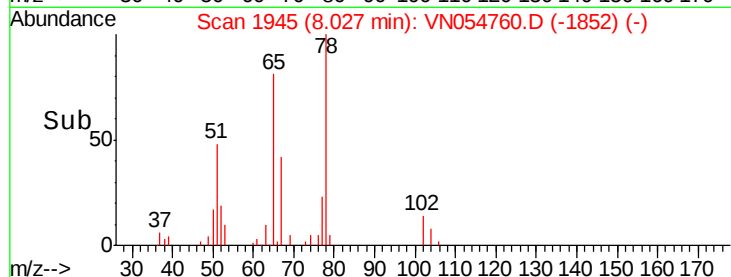
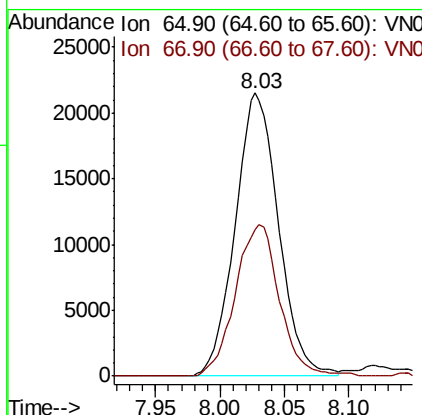
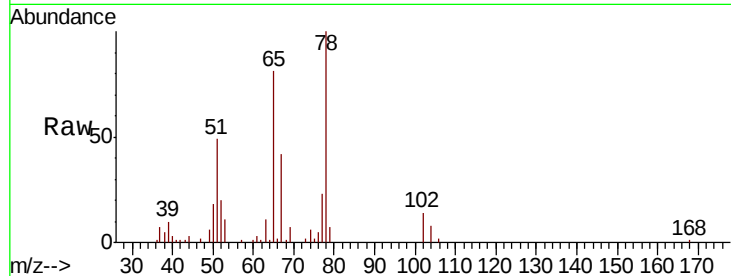
#33
 1,2-Dichloroethane-d4
 Concen: 8.197 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054760.D
 Acq: 29 Mar 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	104.6

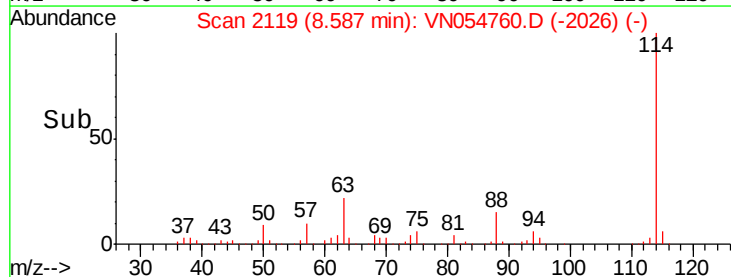
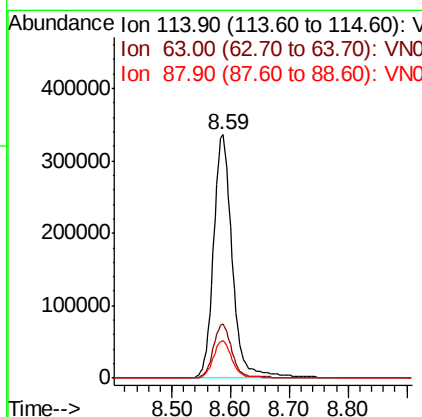
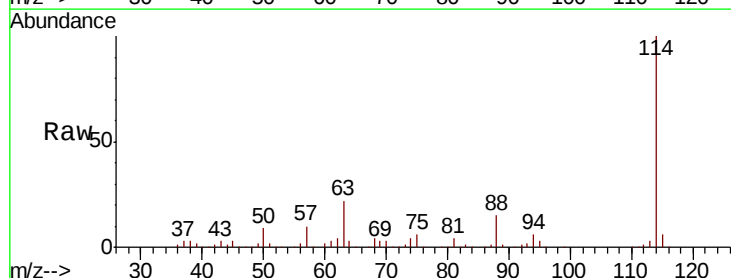
Manual Integrations
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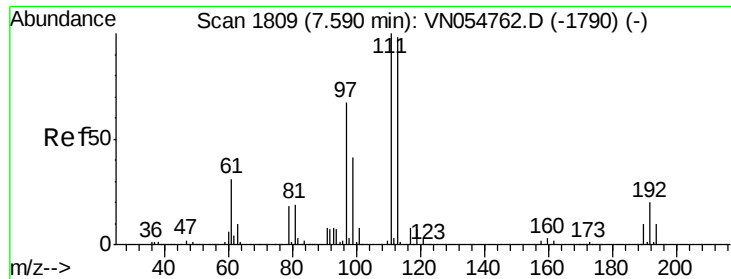
MMDadoda
 4/1/2019 3:59:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054760.D
 Acq: 29 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	35.2
88	15.3	0.0	30.2





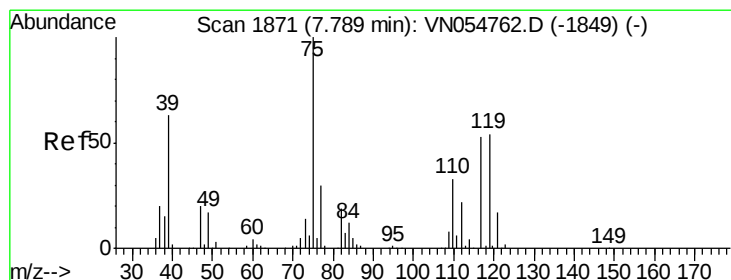
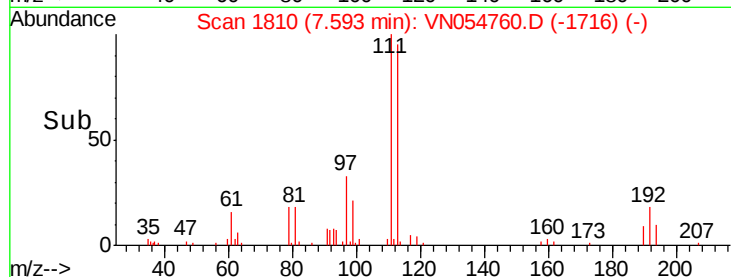
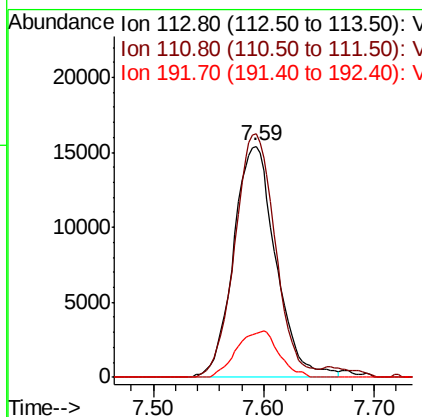
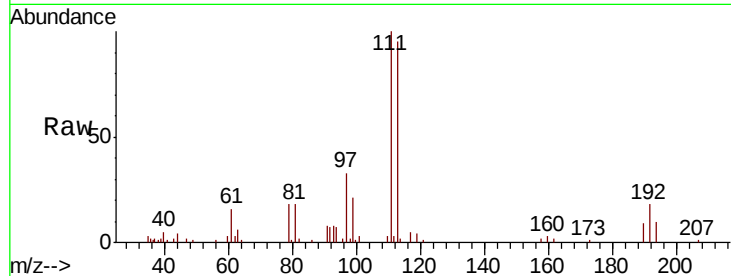
#35
 Dibromofluoromethane
 Concen: 8.252 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054760.D
 Acq: 29 Mar 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	100.7	82.2	123.4	
192	19.8	19.2	28.8	

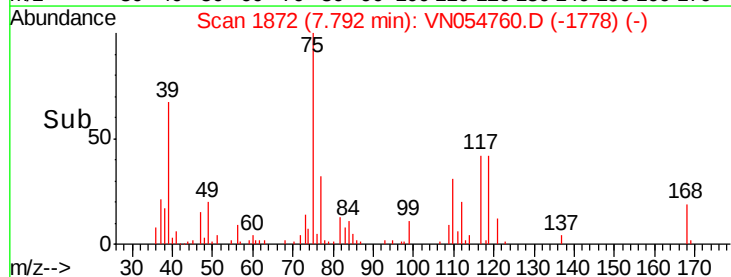
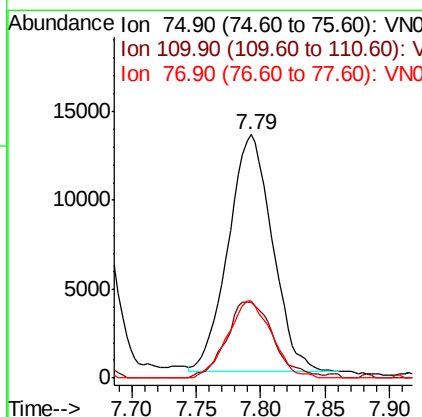
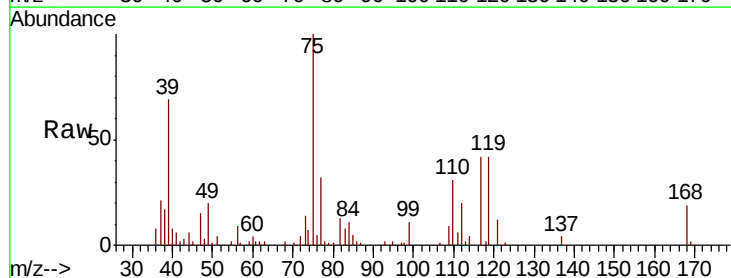
Manual Integrations
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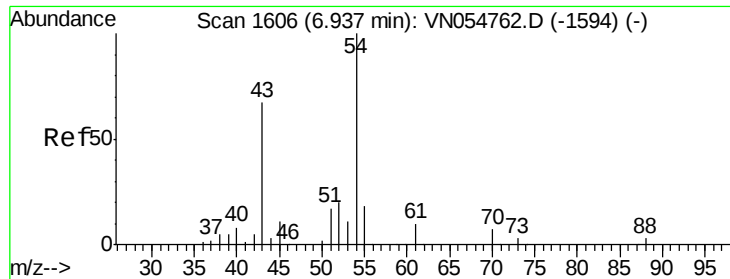
MMDadoda
 4/1/2019 3:59:58 PM



#36
 1,1-Dichloropropene
 Concen: 4.648 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054760.D
 Acq: 29 Mar 2019 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.6	19.1	57.5	
77	32.8	25.0	37.4	





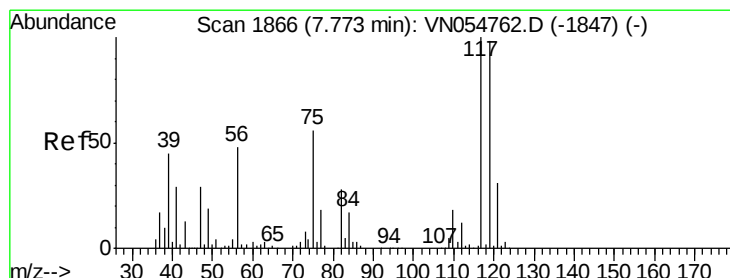
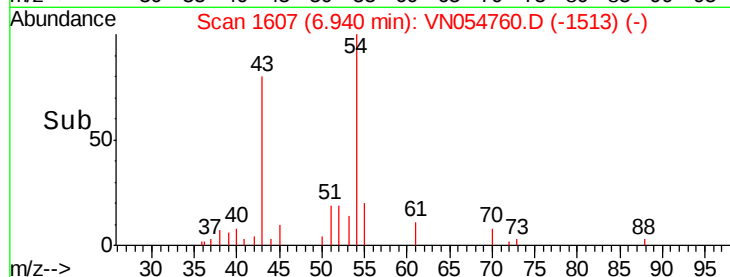
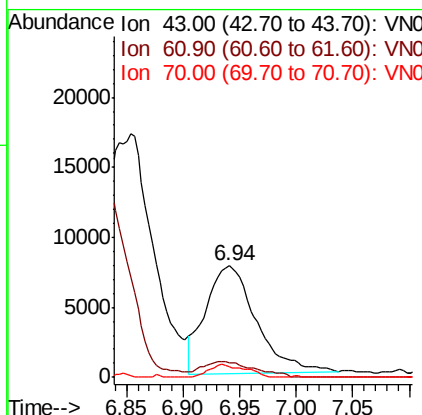
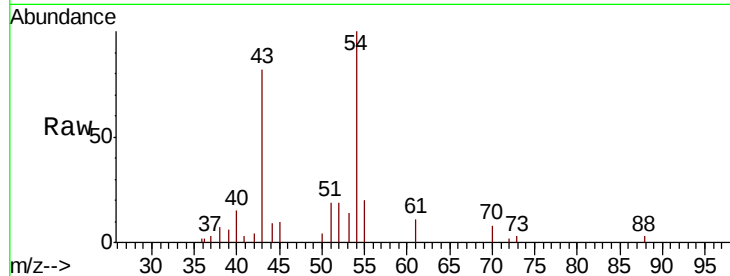
#37
Ethyl Acetate
Concen: 4.807 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.6
70	8.7	8.4	12.6

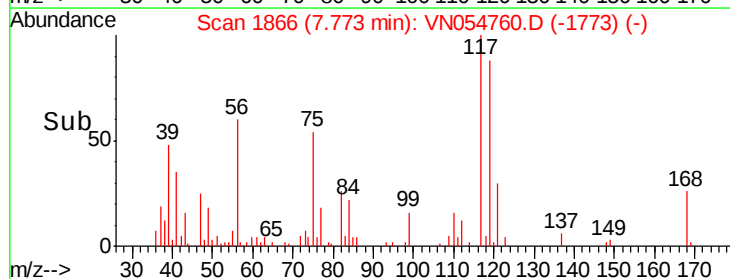
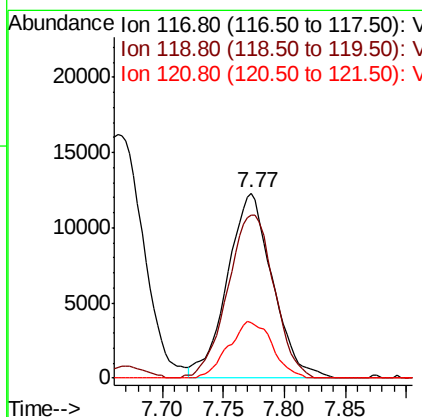
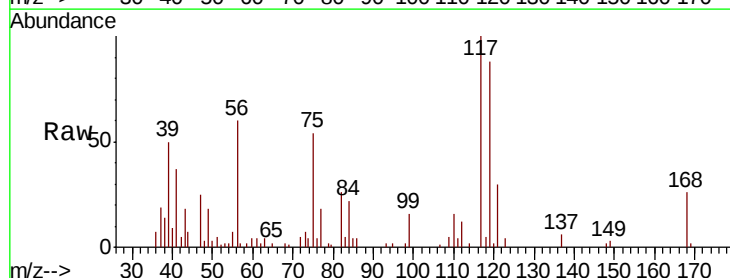
Manual Integrations
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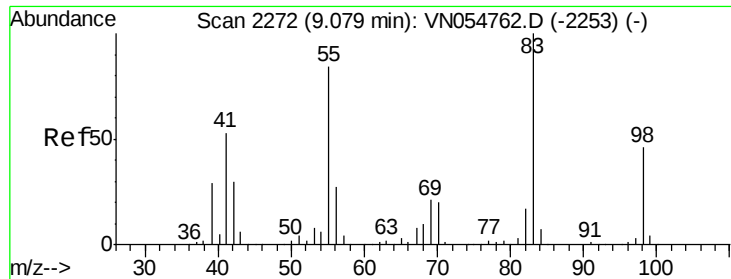
MMDadoda
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#38
Carbon Tetrachloride
Concen: 4.684 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.1	76.3	114.5
121	29.9	24.6	36.8





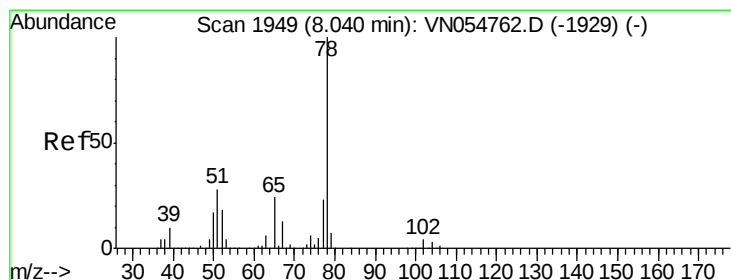
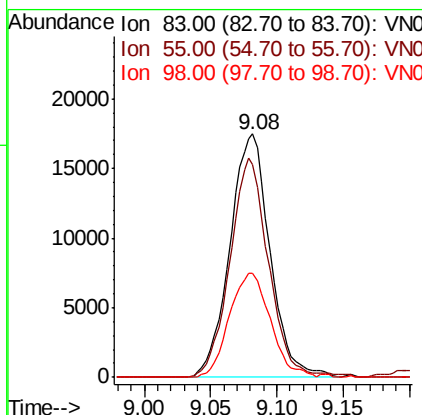
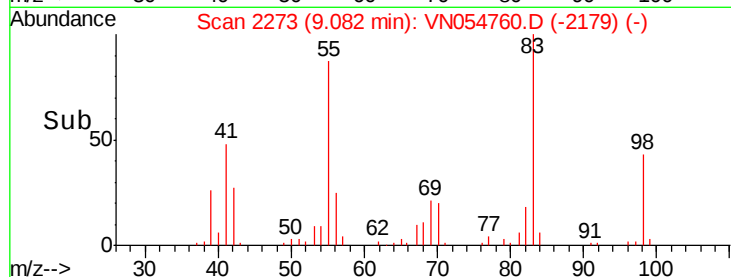
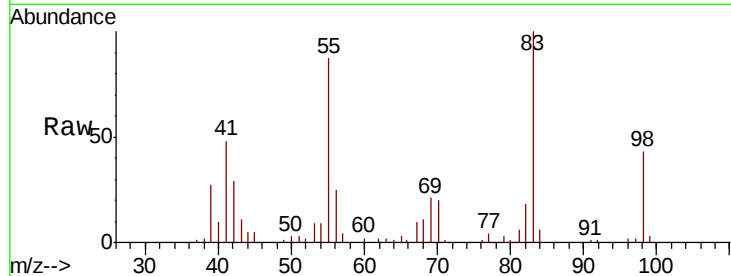
#39
Methvlcvclohexane
Concen: 4.813 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.4	56.6	84.8#
98	43.0	38.4	57.6

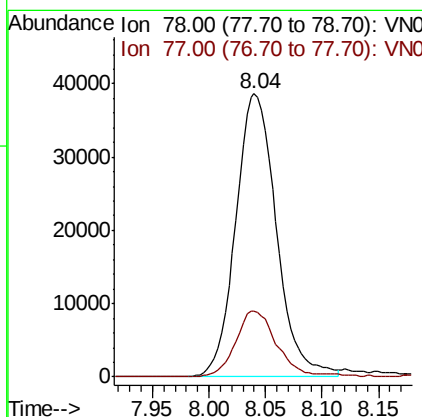
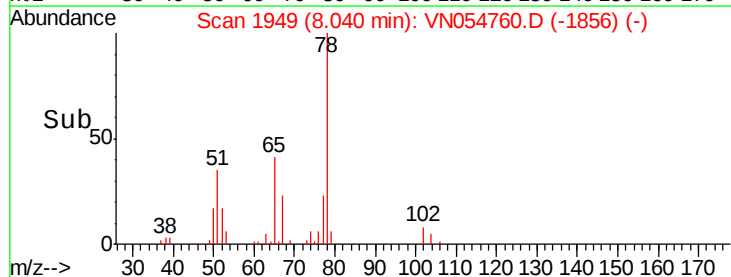
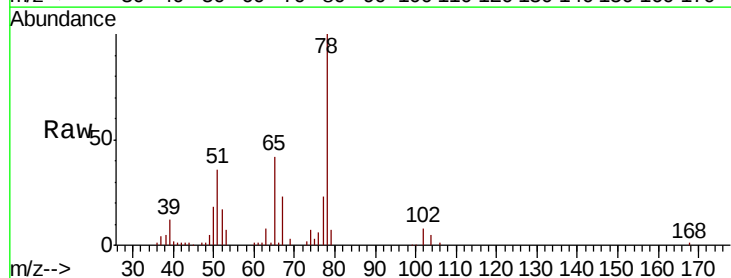
Manual Integrations
APPROVED

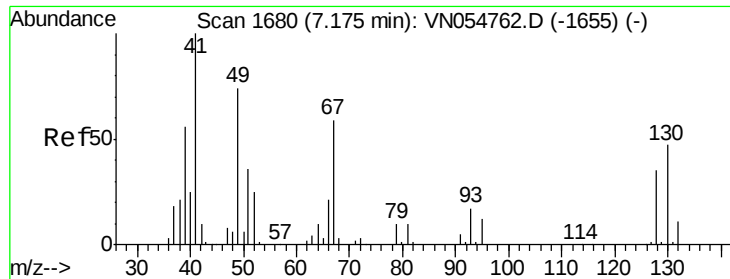
MMDadoda
4/1/2019 3:59:58 PM



#40
Benzene
Concen: 4.880 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





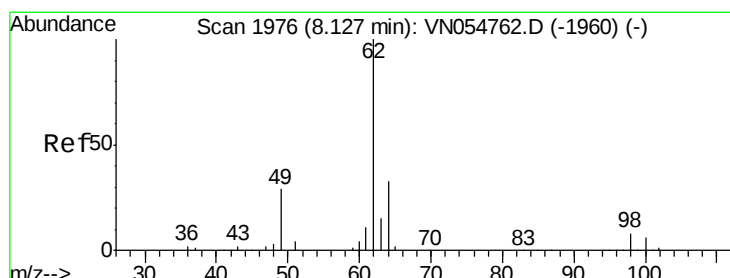
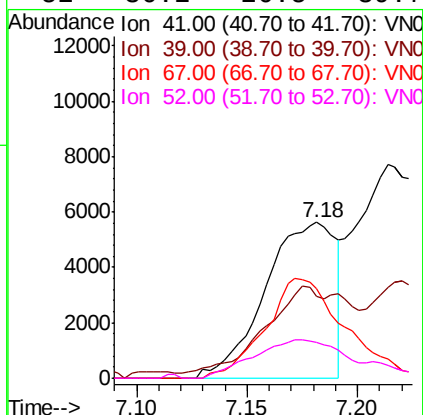
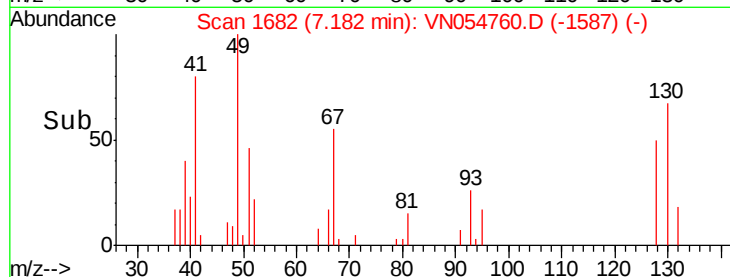
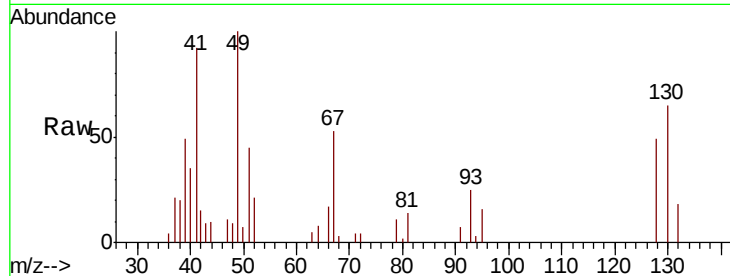
#41
Methacrylonitrile
Concen: 4.368 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	44.0	46.8	70.2	
67	72.6	67.0	100.4	
52	36.2	26.5	39.7	

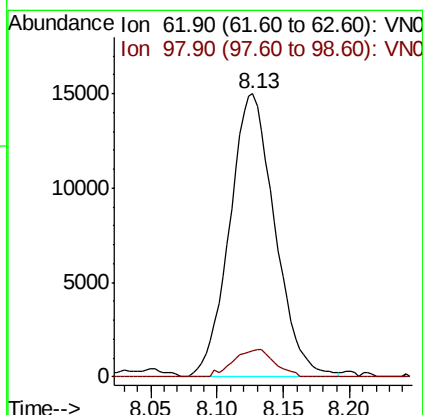
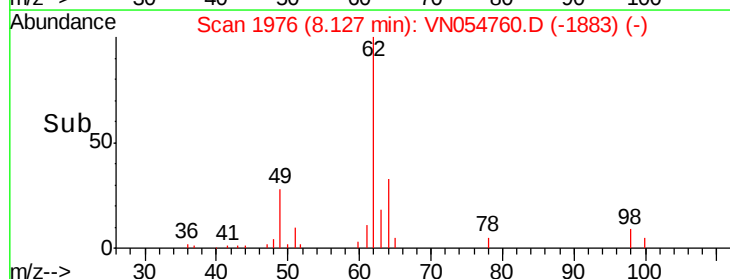
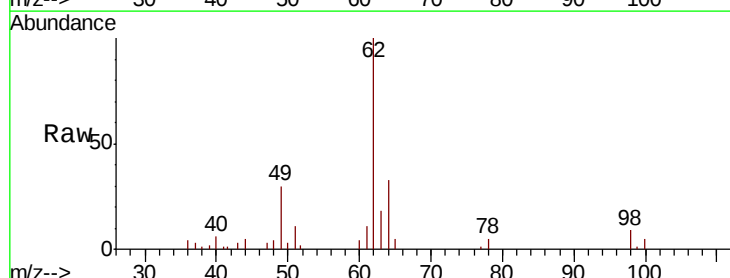
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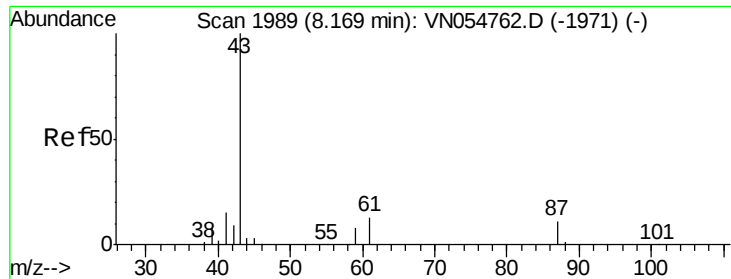
MMDadoda
4/1/2019 3:59:58 PM



#42
1,2-Dichloroethane
Concen: 5.013 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	18.4	





#43

Isopropyl Acetate

Concen: 4.786 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

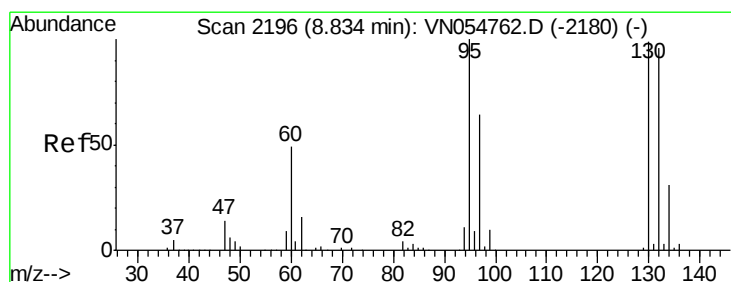
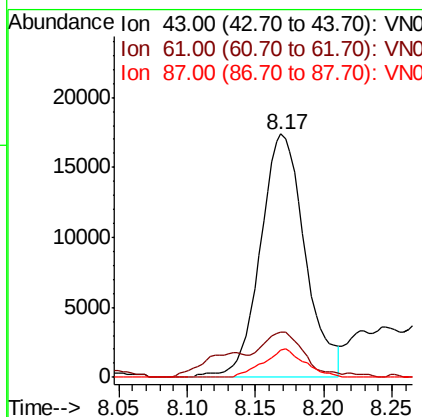
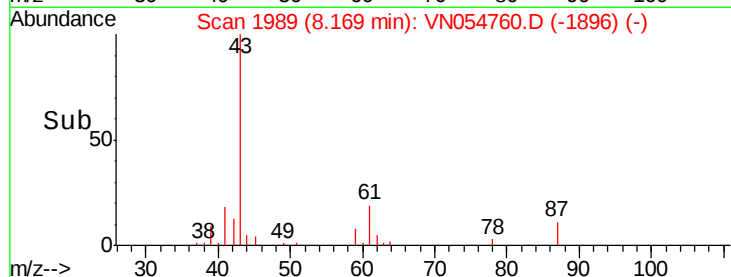
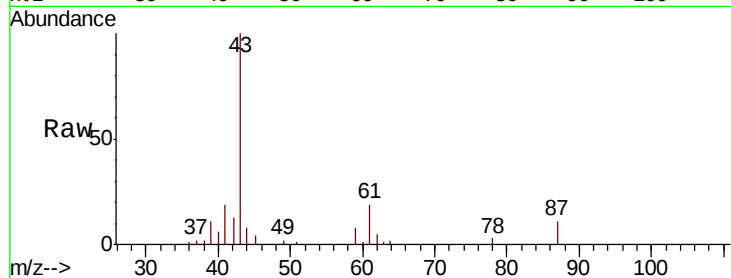
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	39589
Ion	Ratio	Lower	Upper
43	100		
61	15.9	15.8	23.8
87	10.6	12.0	18.0#

Manual Integrations
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#44

Trichloroethene

Concen: 5.249 ug/l

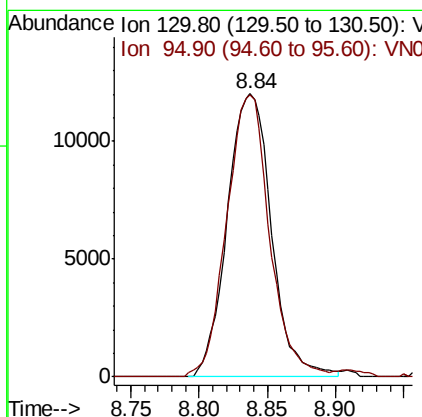
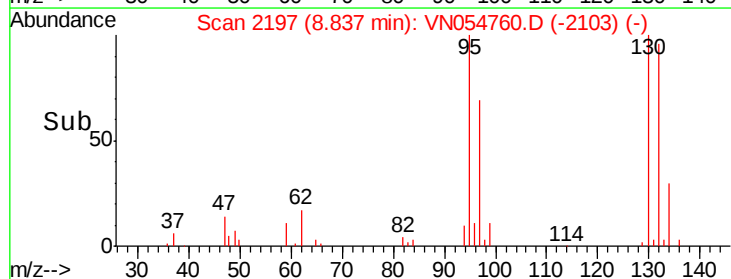
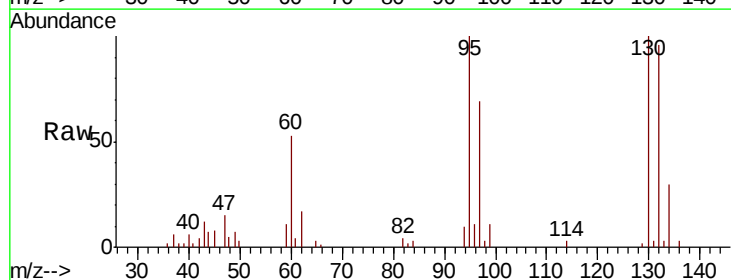
RT: 8.84 min Scan# 2197

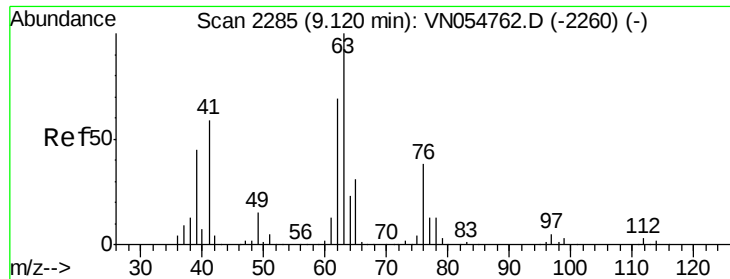
Delta R.T. 0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Tgt Ion:	130	Resp:	27065
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	185.2





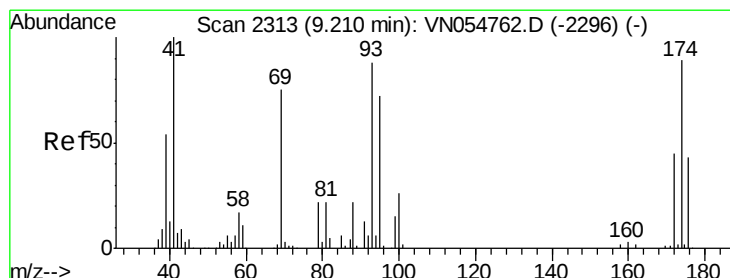
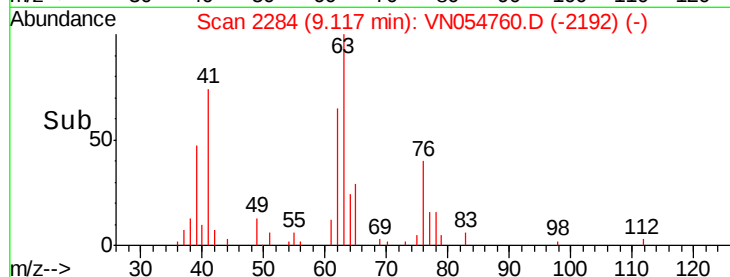
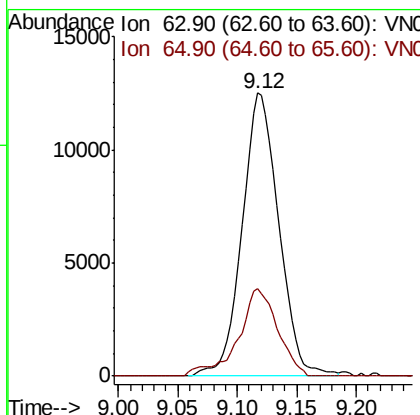
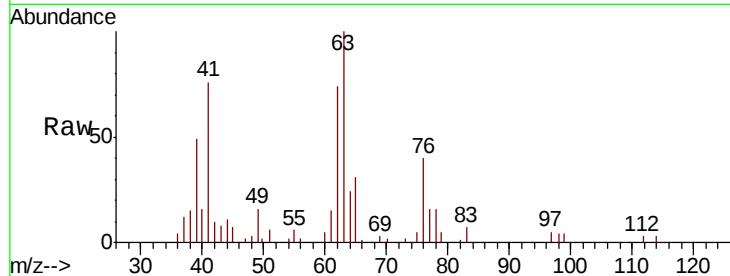
#45
 1,2-Dichloropropane
 Concen: 4.715 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054760.D
 Acq: 29 Mar 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 26706
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.6

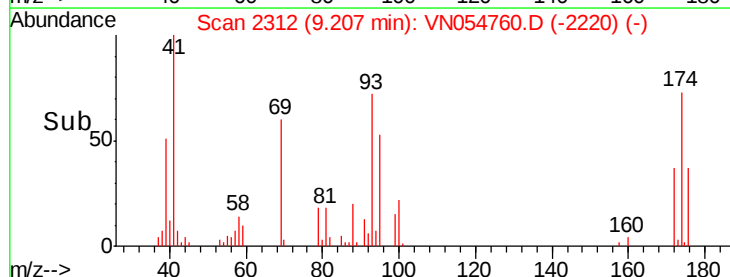
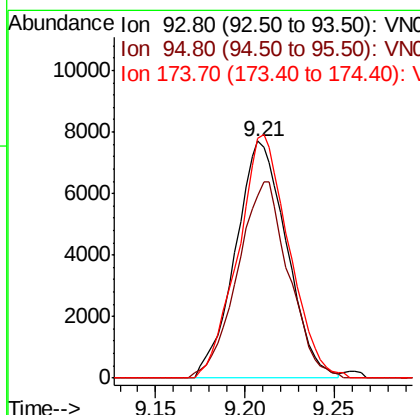
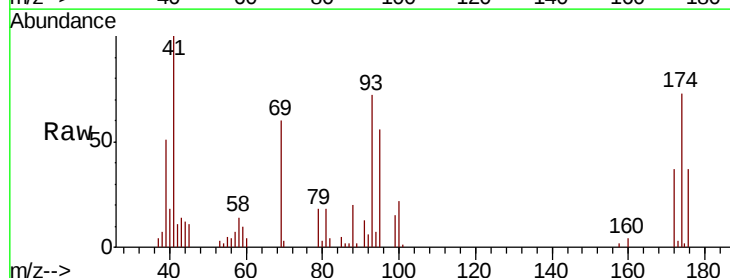
Manual Integrations
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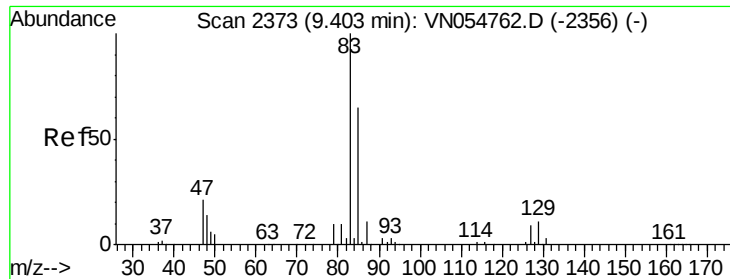
MMDadoda
 4/1/2019 3:59:58 PM



#46
 Dibromomethane
 Concen: 4.845 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054760.D
 Acq: 29 Mar 2019 10:27

Tgt Ion: 93 Resp: 15439
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.7 100.1
 174 102.0 98.5 147.7





#47

Bromodichloromethane

Concen: 4.654 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

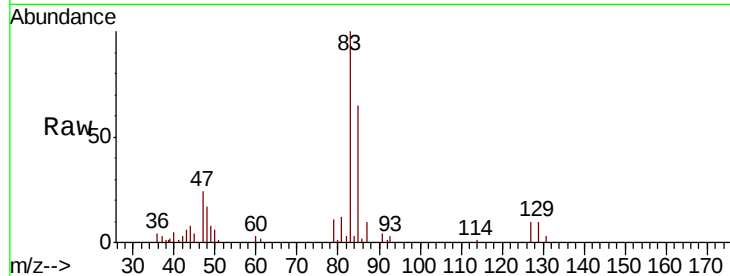
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	30818
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.8	79.2
127	10.0	7.4	11.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN054760.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN054760.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN054760.D (-2356) (-)

9.40

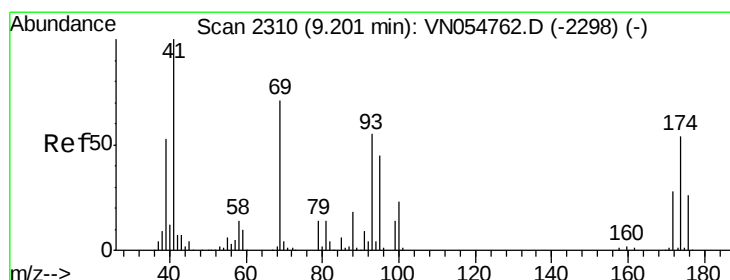
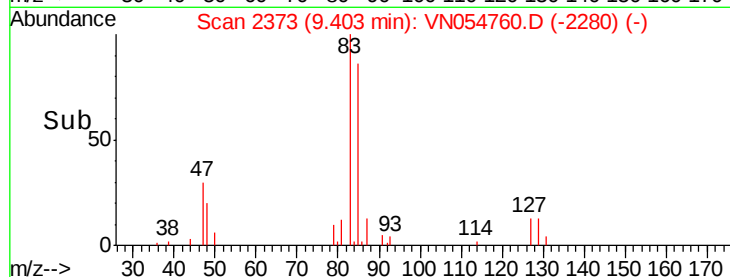
15000

10000

5000

0

Time--> 9.30 9.35 9.40 9.45 9.50



#48

Methyl methacrylate

Concen: 4.759 ug/l

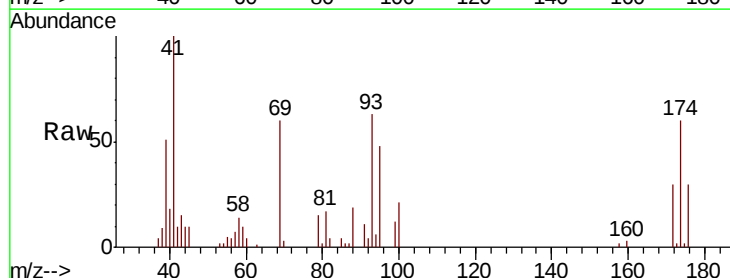
RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Tgt Ion:	41	Resp:	21339
Ion	Ratio	Lower	Upper
41	100		
69	69.2	72.6	108.8#
39	53.4	47.5	71.3



Abundance Ion 41.00 (40.70 to 41.70): VN054760.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN054760.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN054760.D (-2298) (-)

9.20

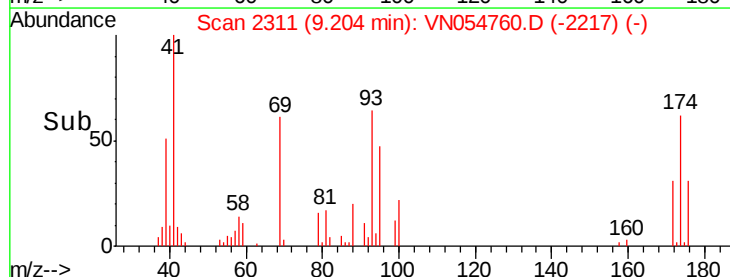
15000

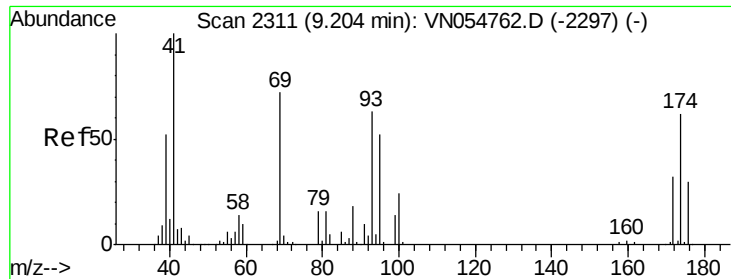
10000

5000

0

Time--> 9.15 9.20 9.25





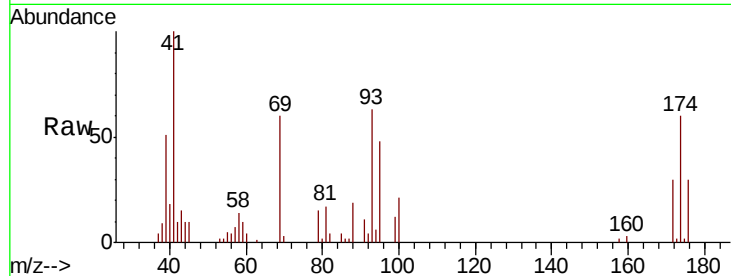
#49
 1,4-Dioxane
 Concen: 97.837 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN054760.D
 Acq: 29 Mar 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	24.1	36.1#
58	76.2	50.8	76.2#

Manual Integrations
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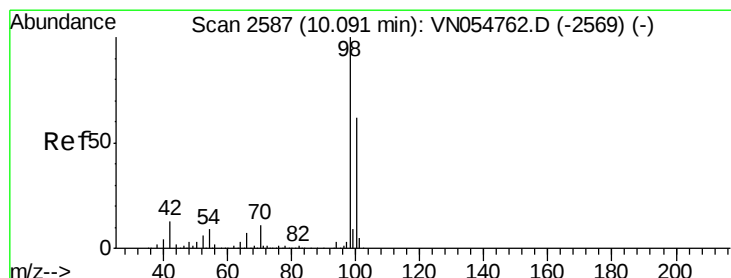
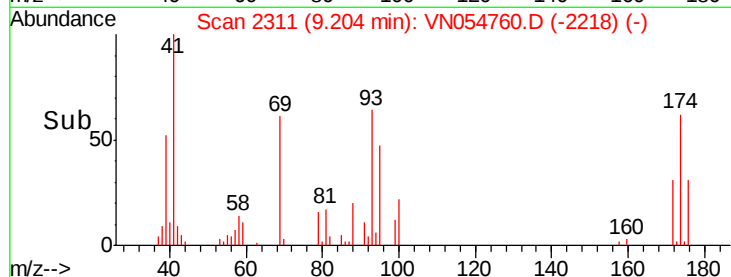
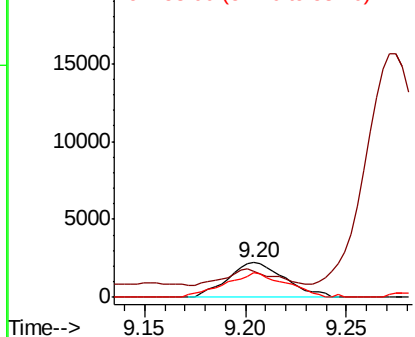


Abundance

Ion 88.00 (87.70 to 88.70): VN0

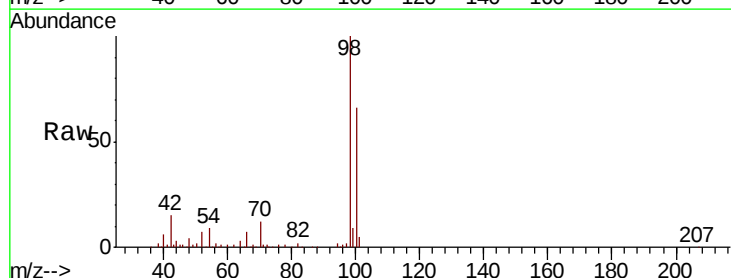
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
 Toluene-d8
 Concen: 7.687 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN054760.D
 Acq: 29 Mar 2019 10:27

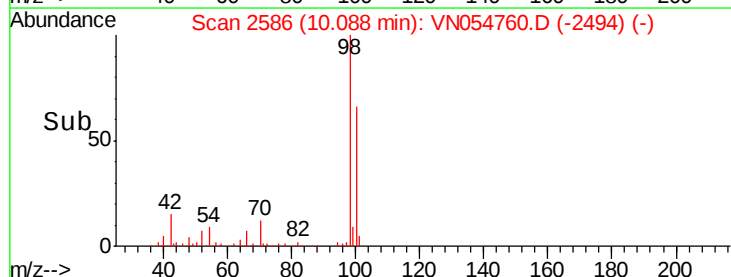
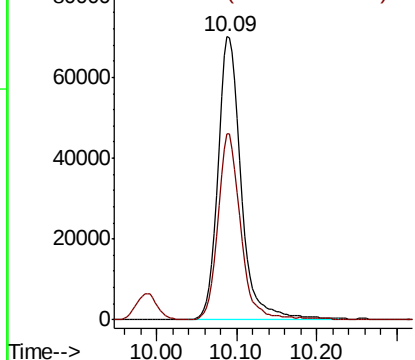
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8

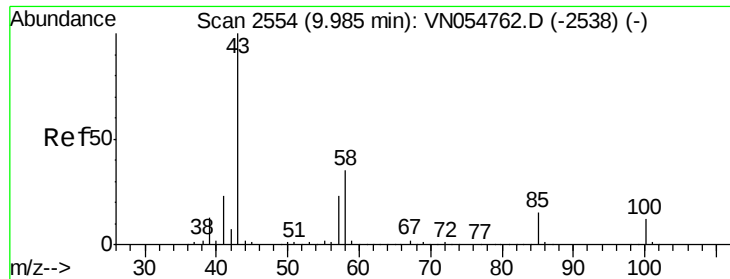


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 23.067 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 107280

Ion Ratio Lower Upper

43 100

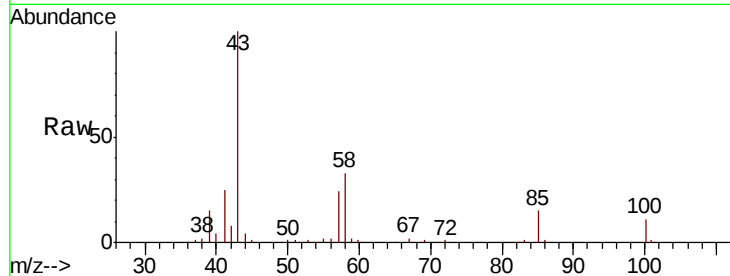
58 35.8 31.8 47.6

Manual Integrations

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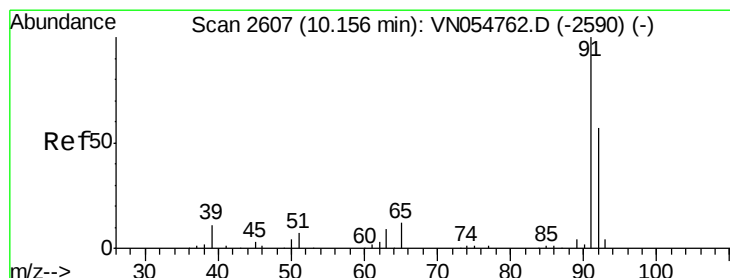
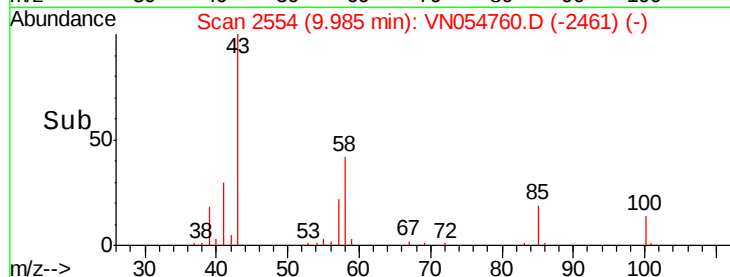
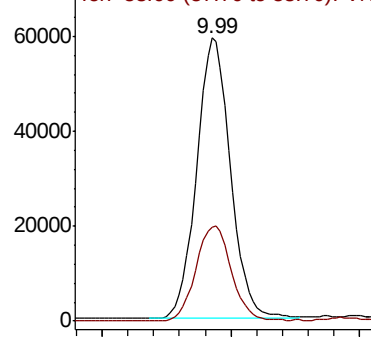
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 4.866 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054760.D

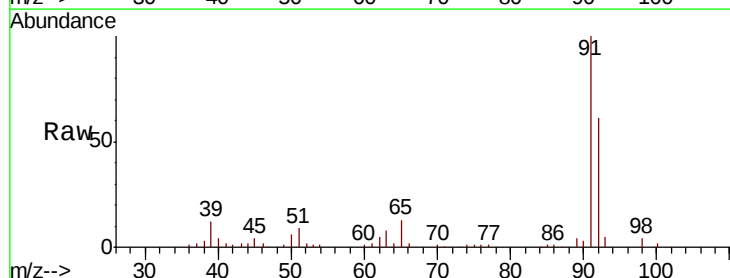
Acq: 29 Mar 2019 10:27

Tgt Ion: 92 Resp: 57519

Ion Ratio Lower Upper

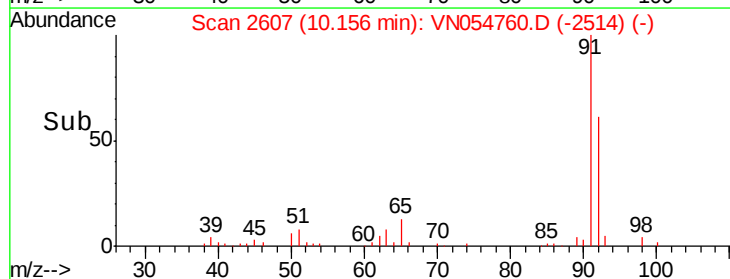
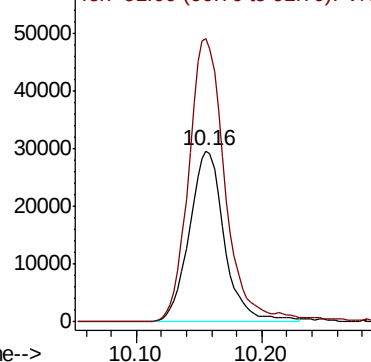
92 100

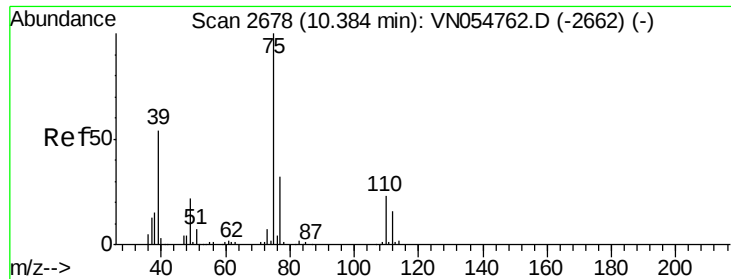
91 168.5 140.7 211.1



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: 4.095 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 25510

Ion Ratio Lower Upper

75 100

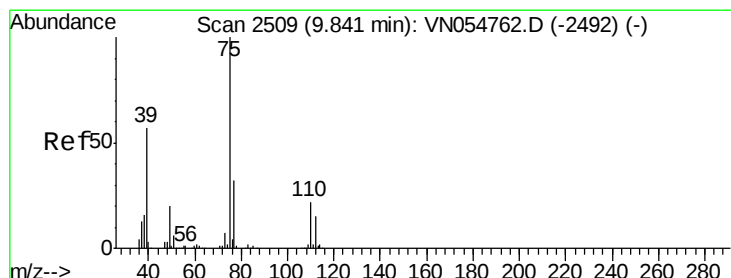
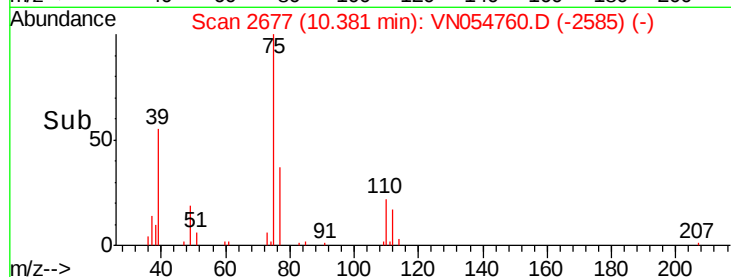
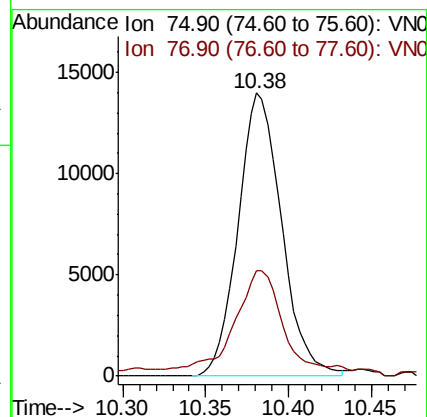
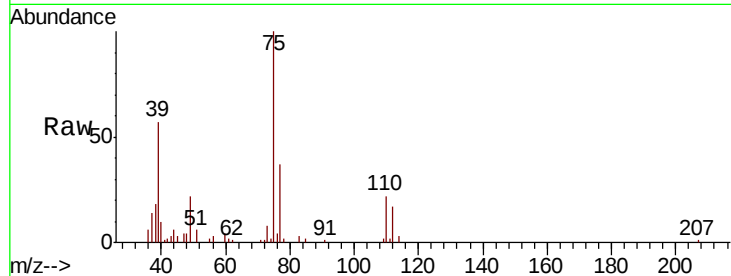
77 33.7 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 4.484 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

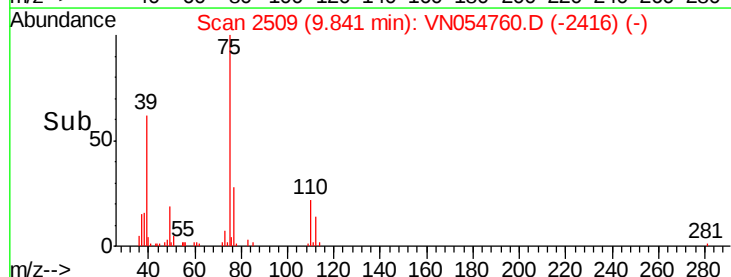
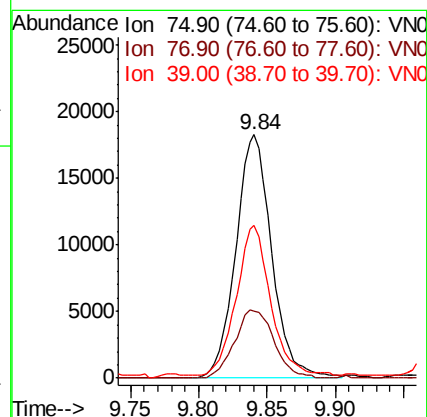
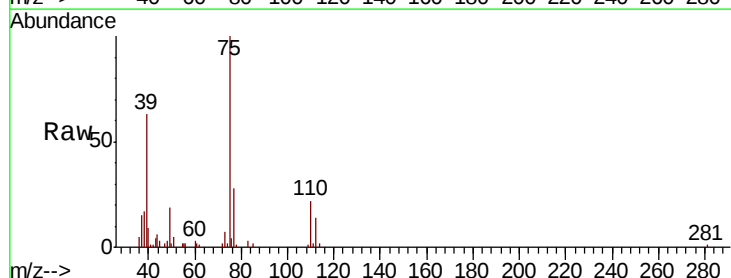
Tgt Ion: 75 Resp: 33366

Ion Ratio Lower Upper

75 100

77 27.7 25.4 38.0

39 62.0 37.2 55.8#





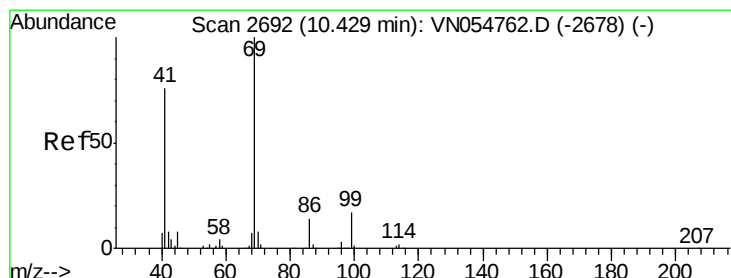
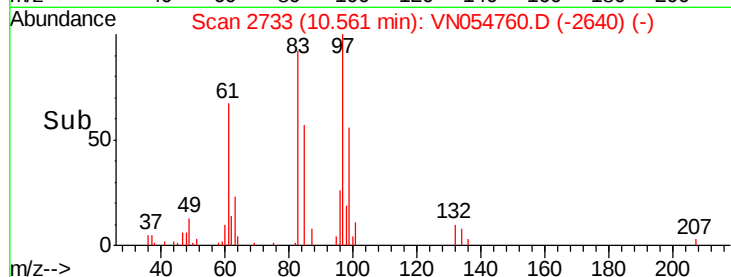
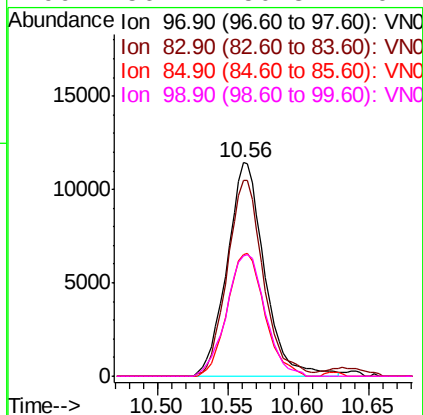
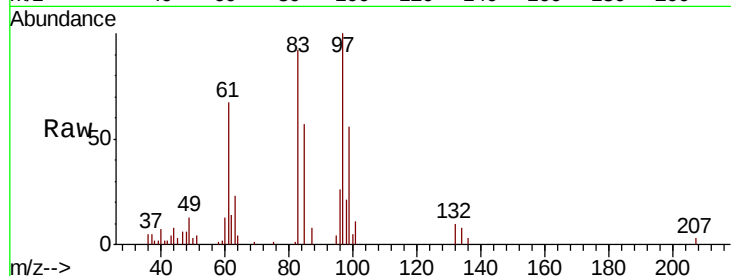
#55
 1,1,2-Trichloroethane
 Concen: 4.831 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054760.D
 Acq: 29 Mar 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	21234
Ion	Ratio	Lower	Upper
97	100		
83	91.6	66.6	100.0
85	57.1	44.4	66.6
99	56.2	50.8	76.2

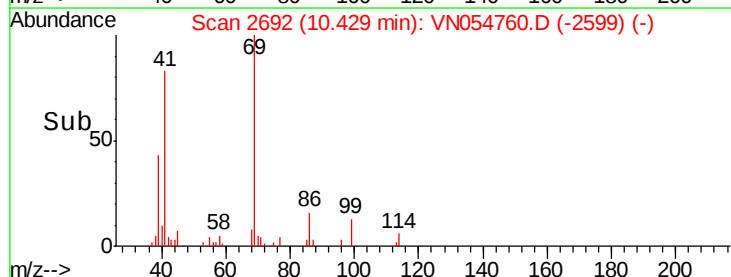
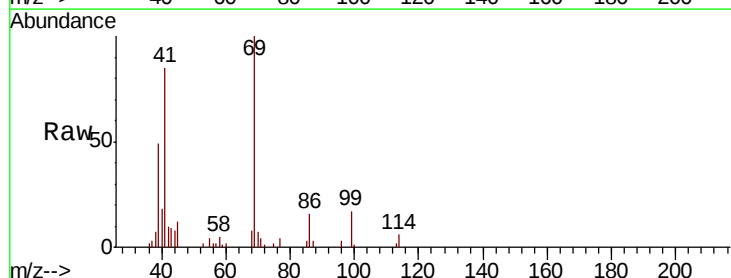
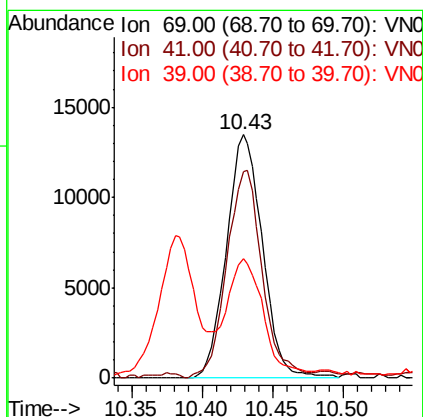
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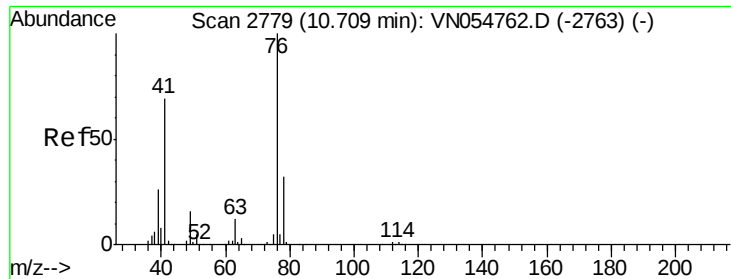
MMDadoda
 4/1/2019 3:59:58 PM



#56
 Ethyl methacrylate
 Concen: 4.172 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054760.D
 Acq: 29 Mar 2019 10:27

Tgt Ion:	69	Resp:	24054
Ion	Ratio	Lower	Upper
69	100		
41	84.5	49.4	74.2#
39	44.6	28.3	42.5#





#57

1,3-Dichloropropane

Concen: 4.939 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 37323

Ion Ratio Lower Upper

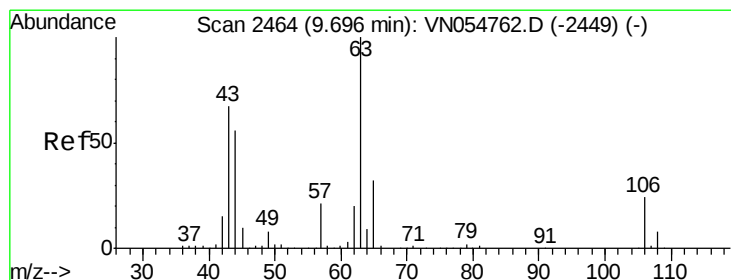
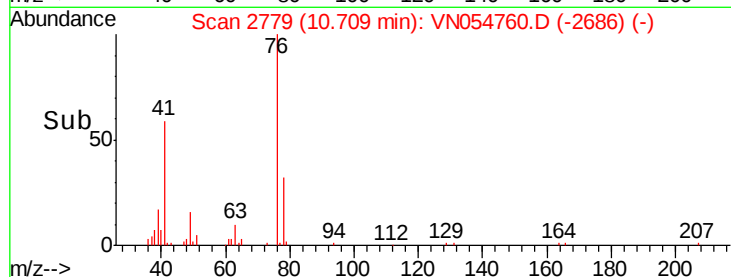
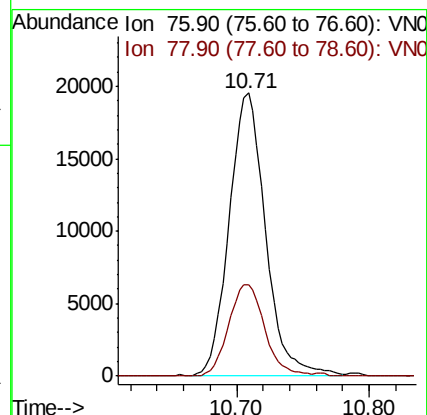
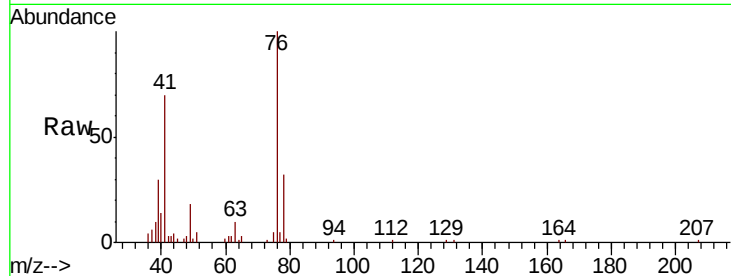
76 100

78 31.9 25.7 38.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 20.484 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054760.D

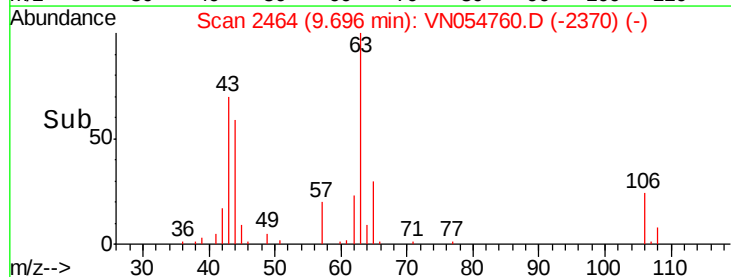
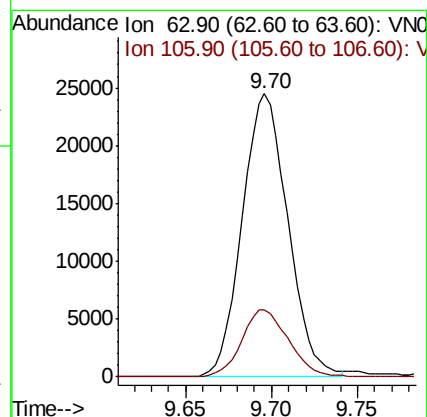
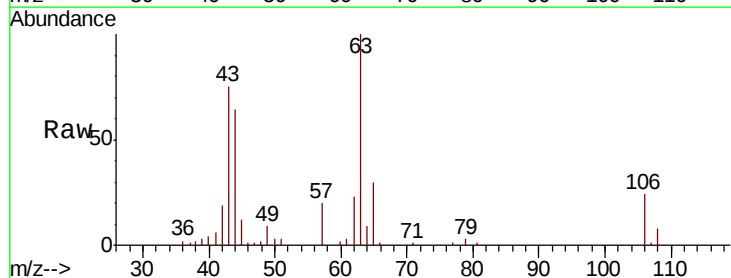
Acq: 29 Mar 2019 10:27

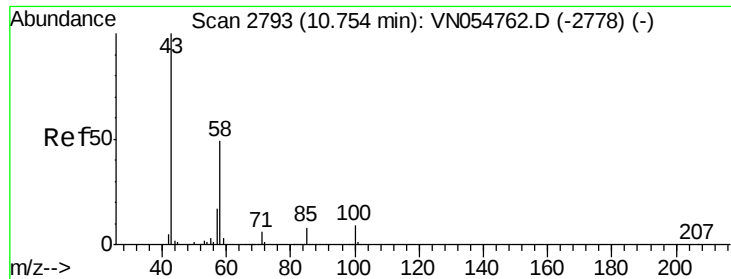
Tgt Ion: 63 Resp: 45286

Ion Ratio Lower Upper

63 100

106 24.4 24.4 36.6#





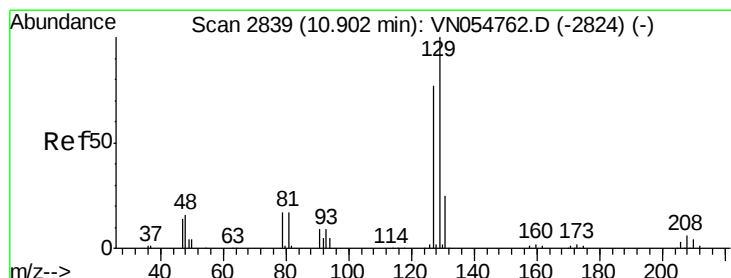
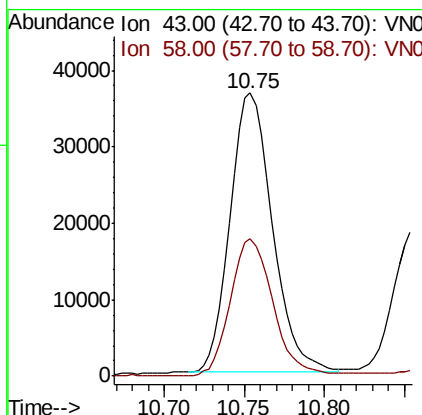
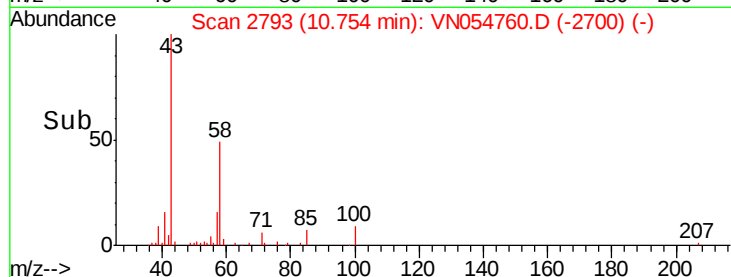
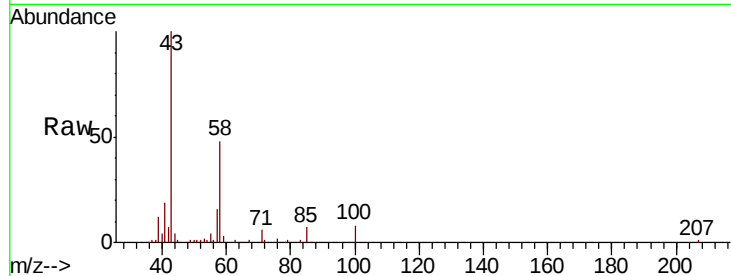
#59
2-Hexanone
Concen: 22.170 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 66005
Ion Ratio Lower Upper
43 100
58 49.9 28.0 83.9

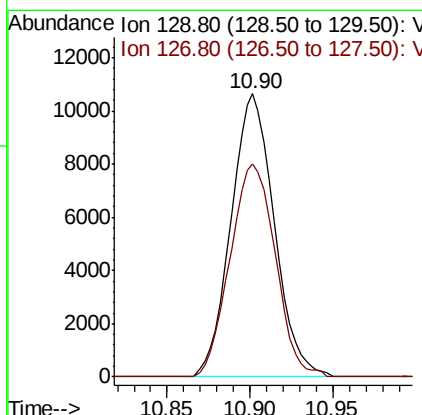
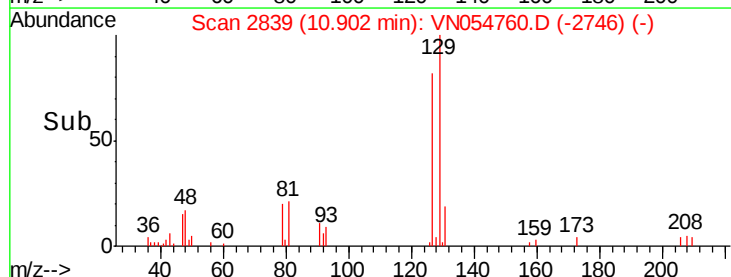
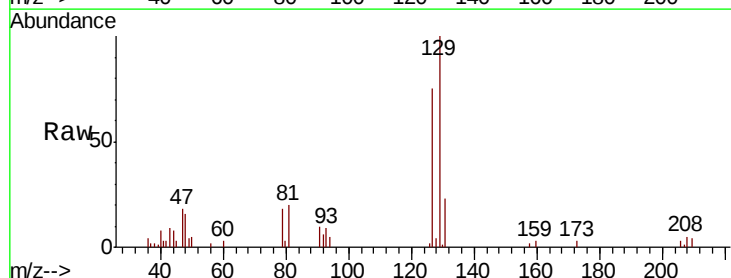
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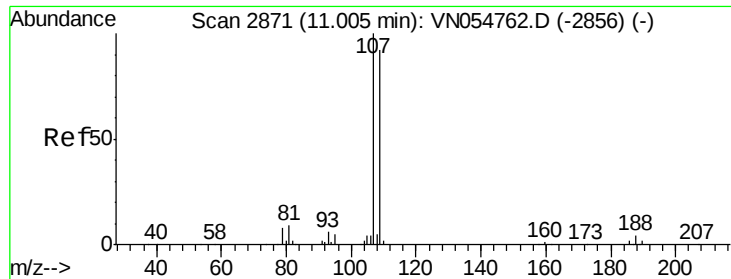
MMDadoda
4/1/2019 3:59:58 PM



#60
Dibromochloromethane
Concen: 4.330 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Tgt Ion: 129 Resp: 19279
Ion Ratio Lower Upper
129 100
127 78.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 4.549 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 19106

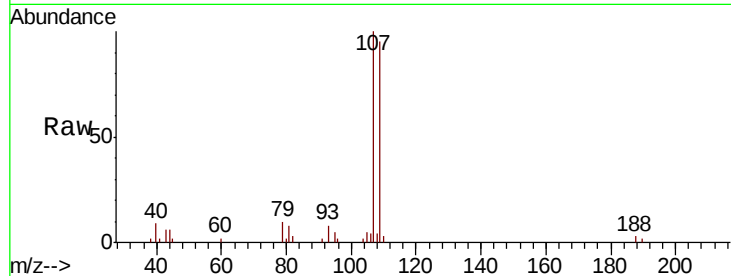
Ion Ratio Lower Upper

107 100

109 94.0 75.9 113.9

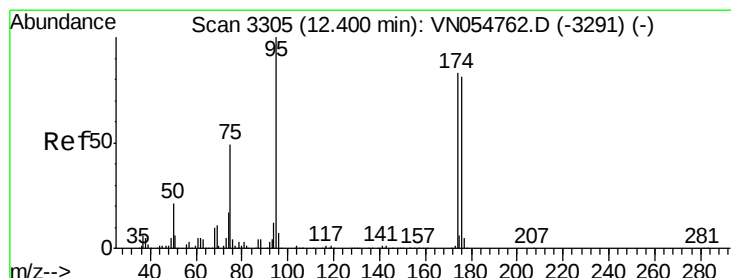
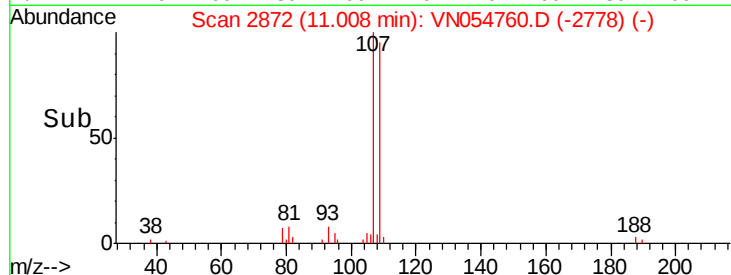
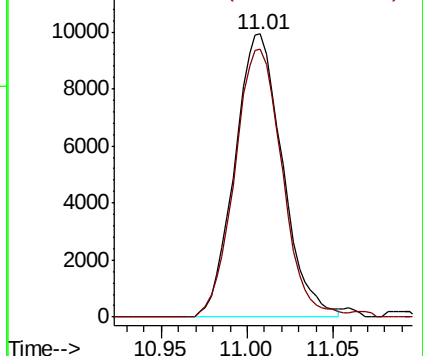
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 6.073 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

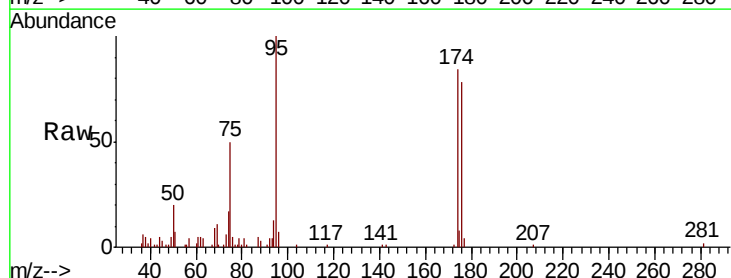
Tgt Ion: 95 Resp: 37300

Ion Ratio Lower Upper

95 100

174 83.0 0.0 191.0

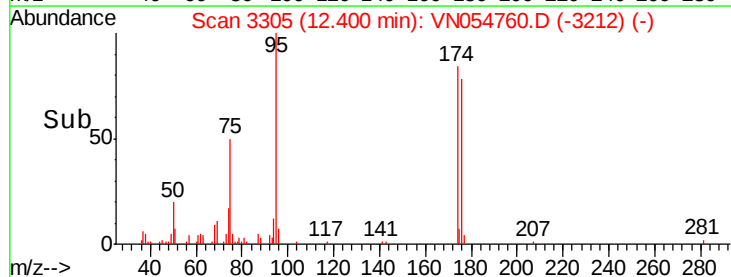
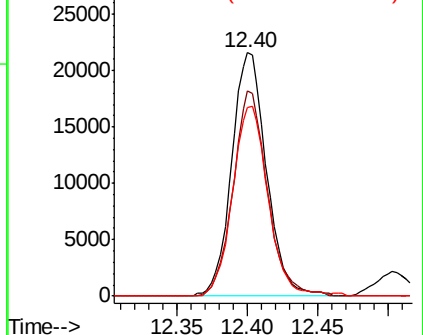
176 79.6 0.0 187.4

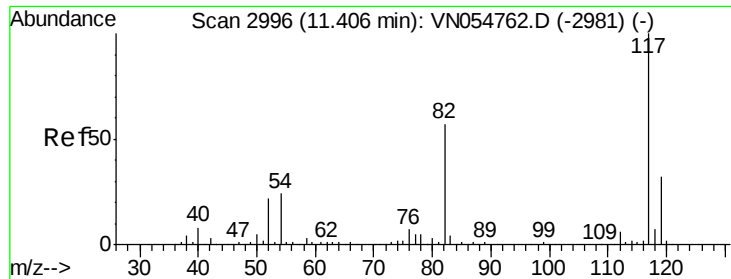


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





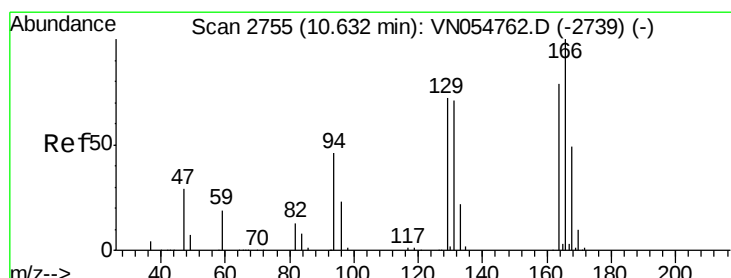
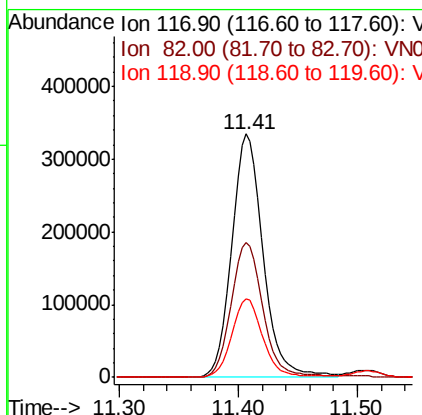
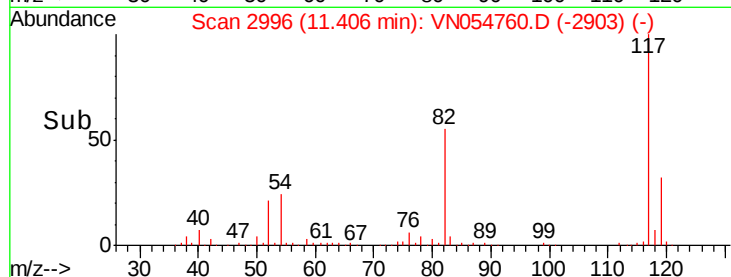
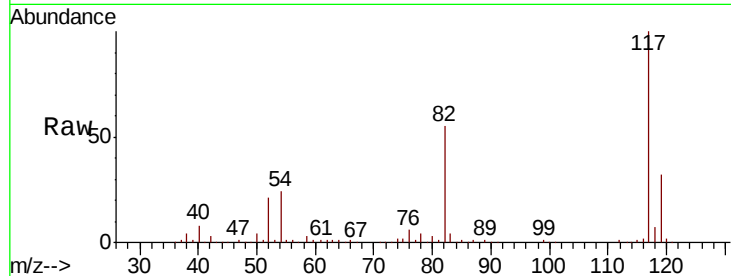
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	40.0	60.0
119	32.4	25.8	38.6

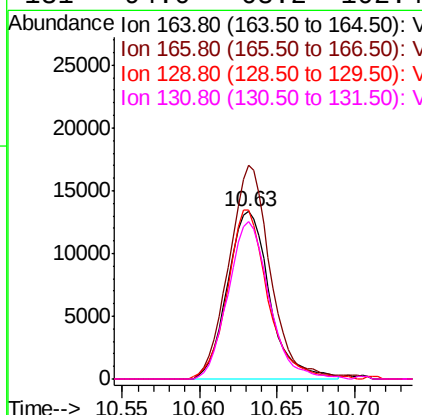
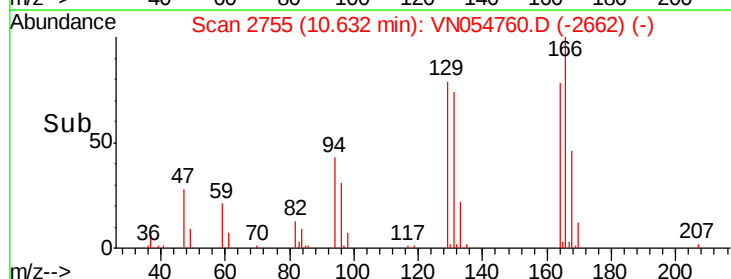
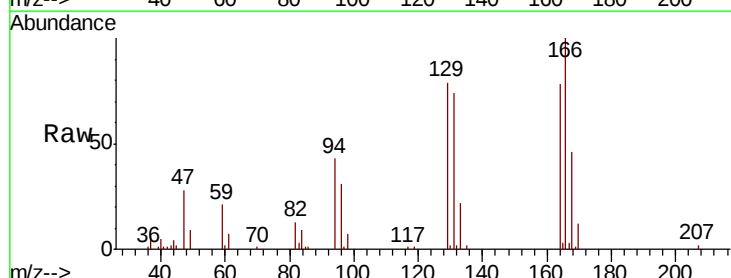
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#64
Tetrachloroethene
Concen: 5.396 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.9	155.9
129	100.5	71.1	106.7
131	94.0	68.2	102.4





#65

Chlorobenzene

Concen: 5.054 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:112 Resp: 60338

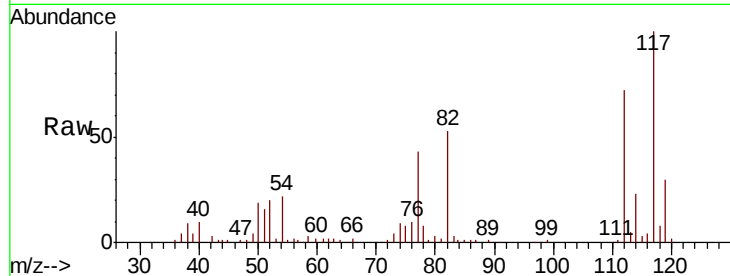
Ion Ratio Lower Upper

112 100

114 31.9 25.9 38.9

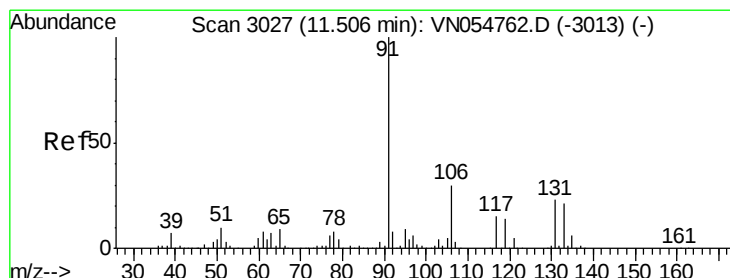
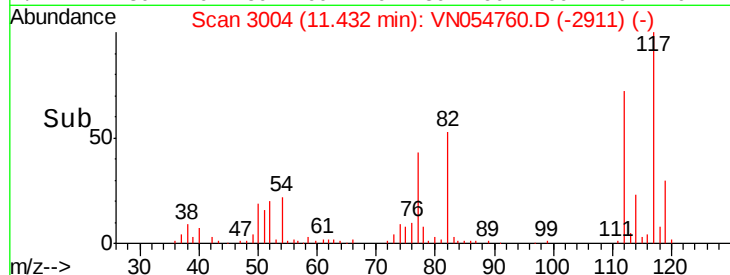
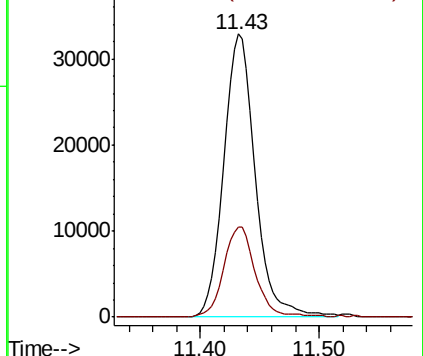
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.944 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

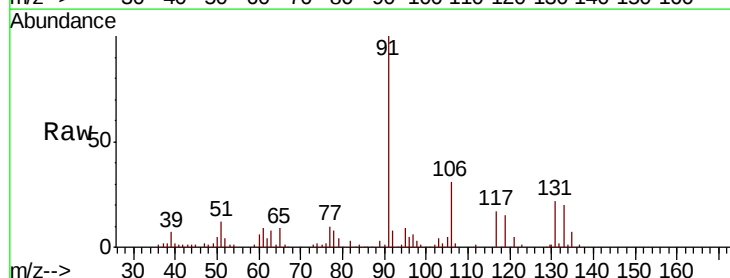
Tgt Ion:131 Resp: 22095

Ion Ratio Lower Upper

131 100

133 92.5 47.6 142.9

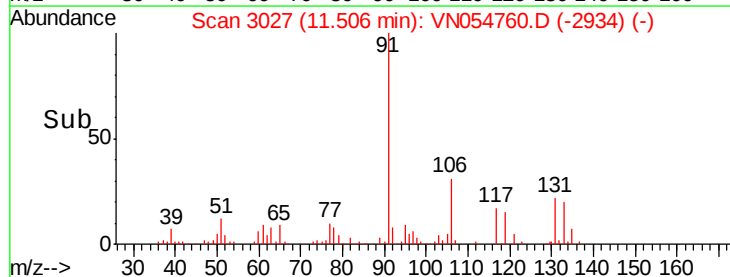
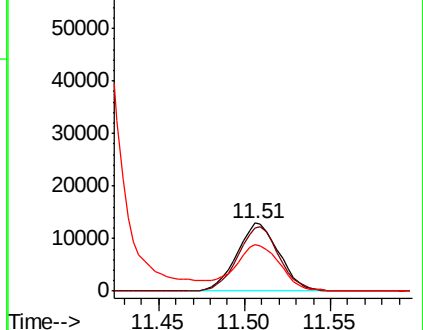
119 74.8 32.4 97.0

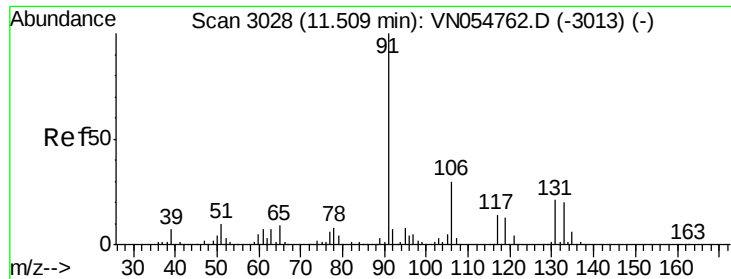


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





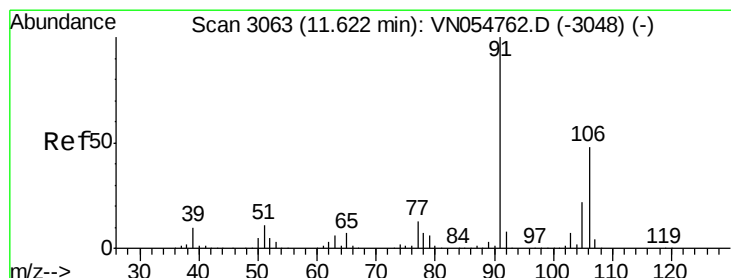
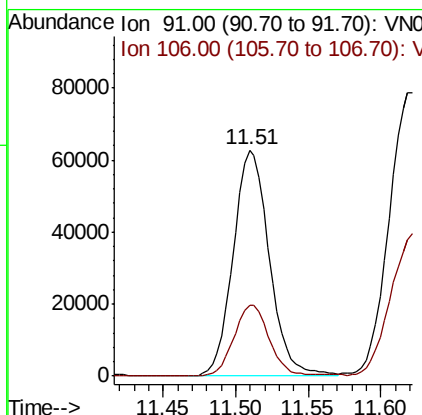
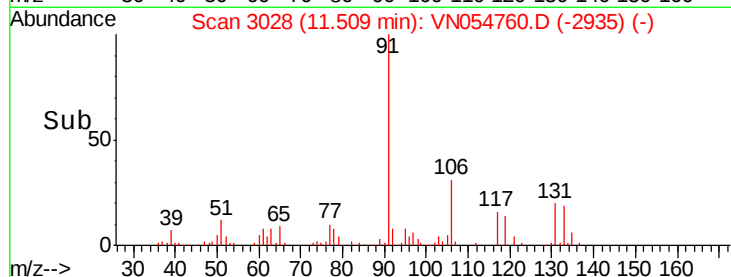
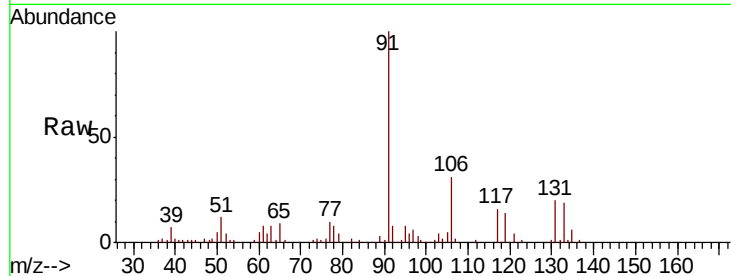
#67
Ethyl Benzene
Concen: 5.065 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 109125
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3

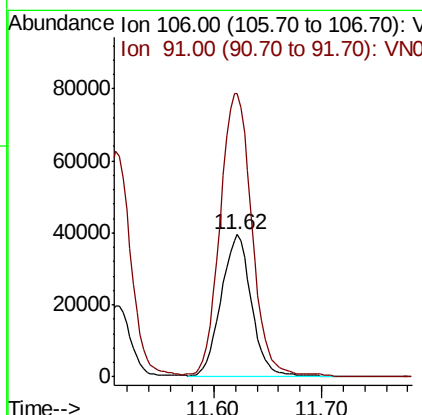
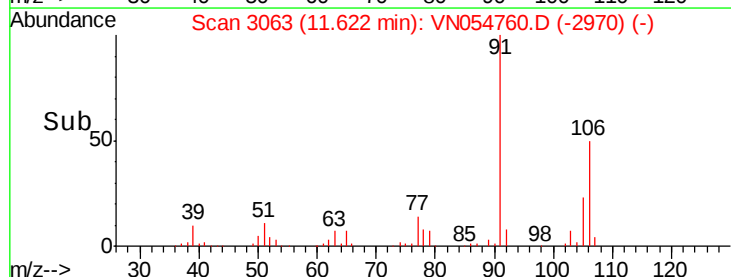
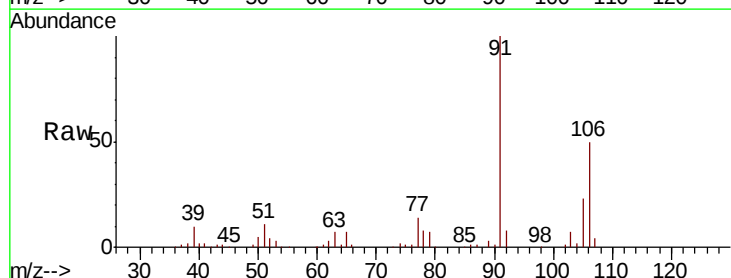
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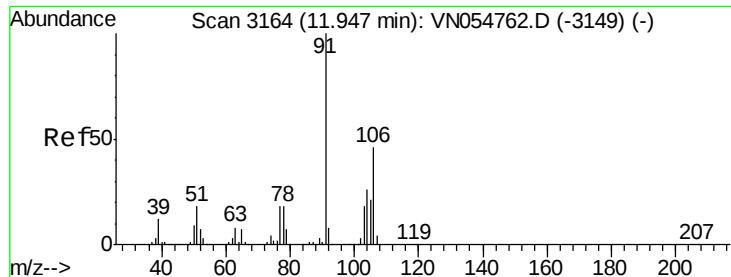
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#68
m/p-Xylenes
Concen: 9.806 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Tgt Ion: 106 Resp: 78187
Ion Ratio Lower Upper
106 100
91 202.4 159.4 239.2





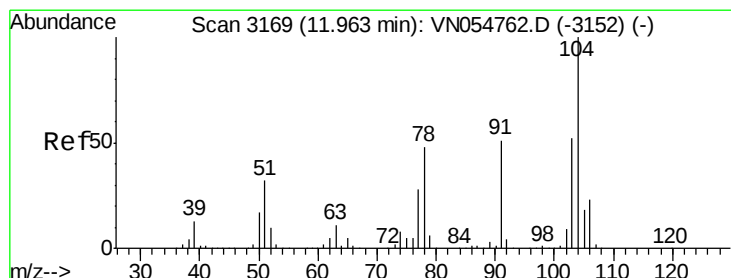
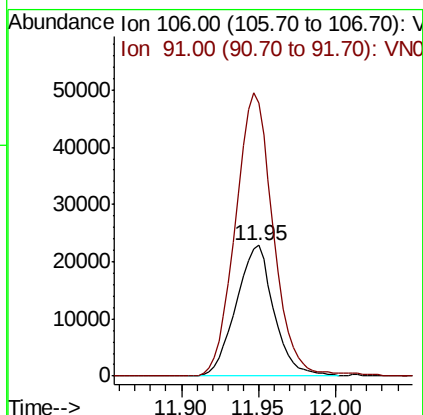
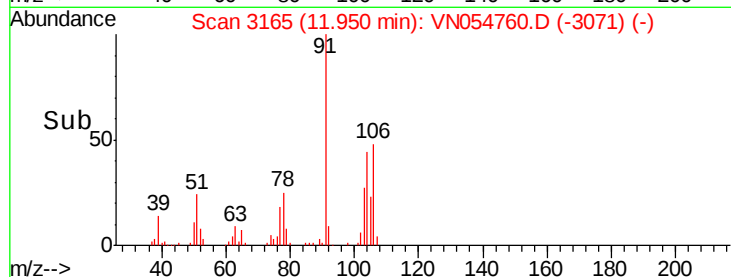
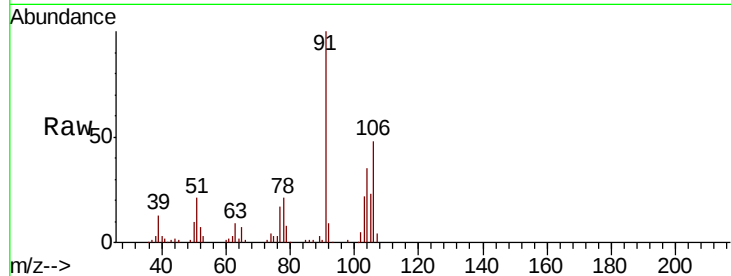
#69
o-Xylene
Concen: 4.964 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 38807
Ion Ratio Lower Upper
106 100
91 217.7 105.7 317.1

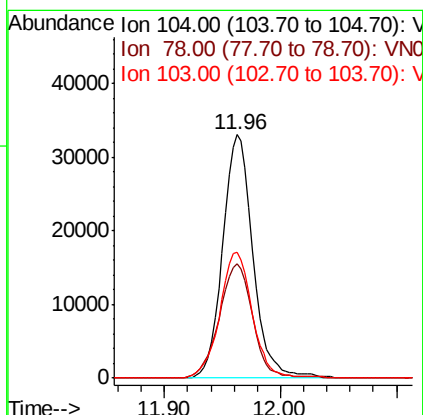
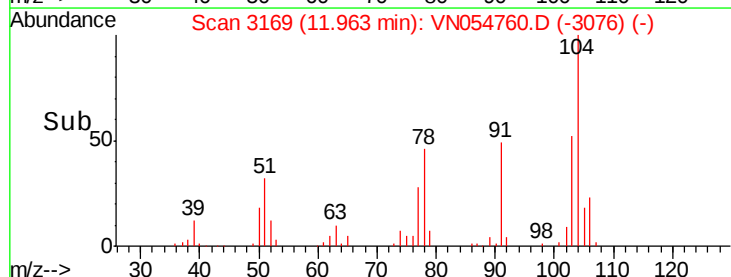
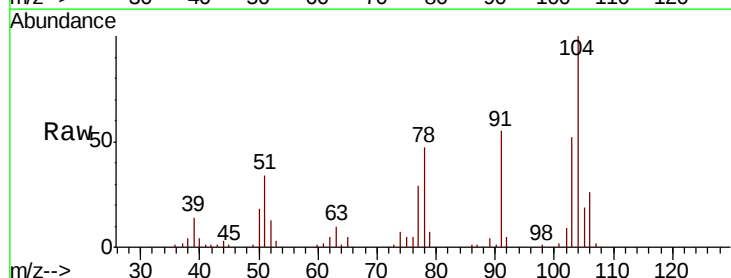
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#70
Styrene
Concen: 4.748 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Tgt Ion:104 Resp: 59359
Ion Ratio Lower Upper
104 100
78 51.8 38.2 57.2
103 55.4 44.4 66.6





#71

Bromoform

Concen: 4.075 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 10668

Ion Ratio Lower Upper

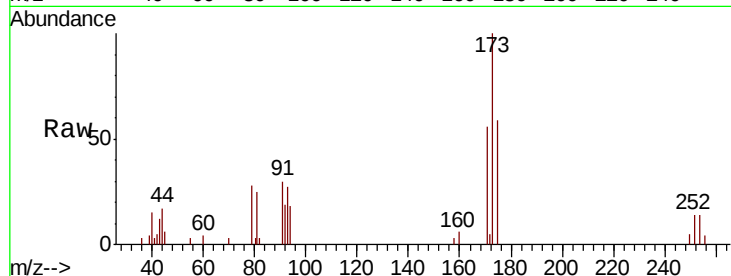
173 100

175 52.9 24.4 73.2

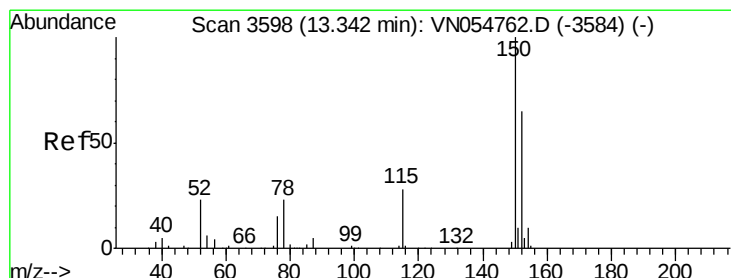
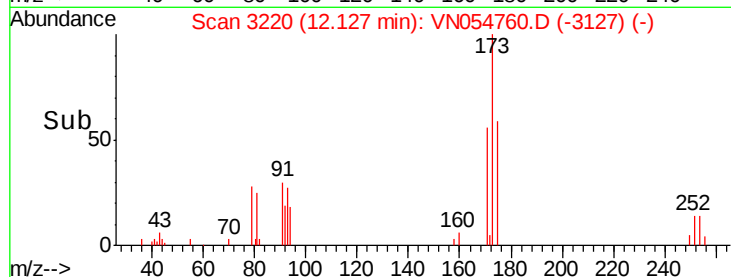
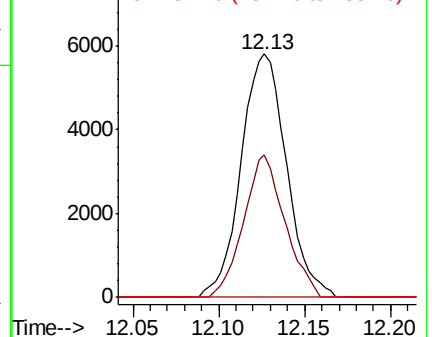
254 0.0 0.1 0.1#

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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: VN054760.D

Acq: 29 Mar 2019 10:27

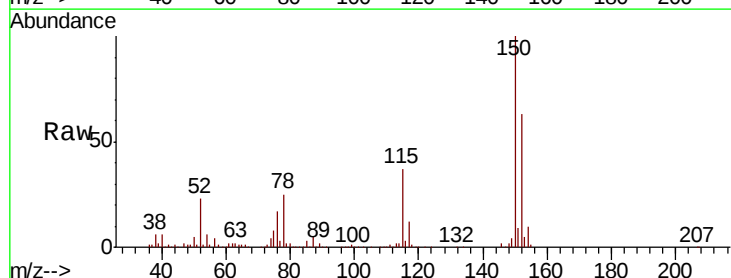
Tgt Ion:152 Resp: 222213

Ion Ratio Lower Upper

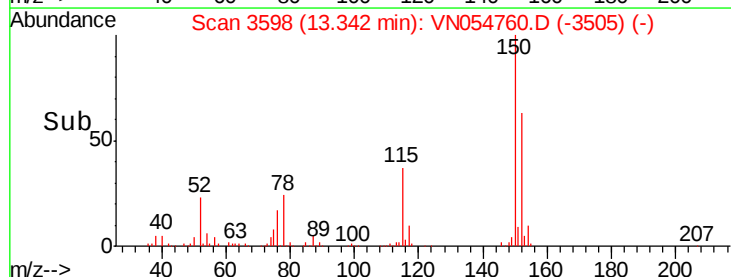
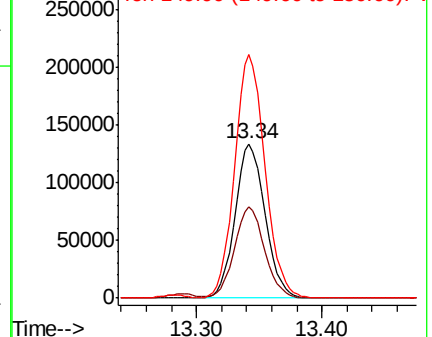
152 100

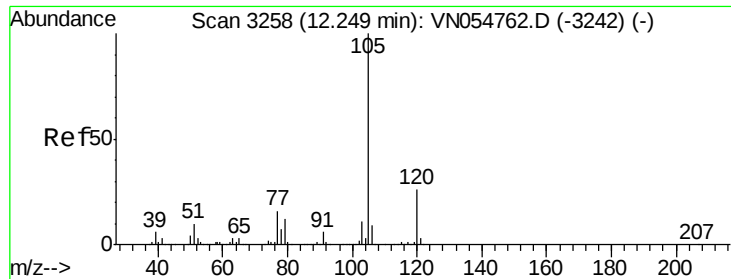
115 59.2 27.2 81.6

150 159.2 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: 5.628 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 102225

Ion Ratio Lower Upper

105 100

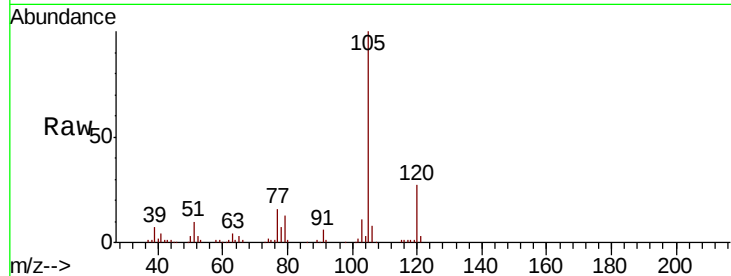
120 25.6 13.8 41.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

60000

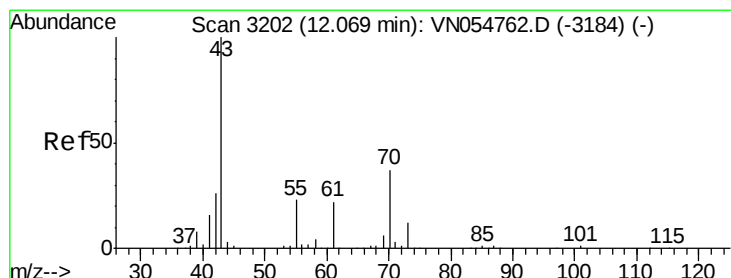
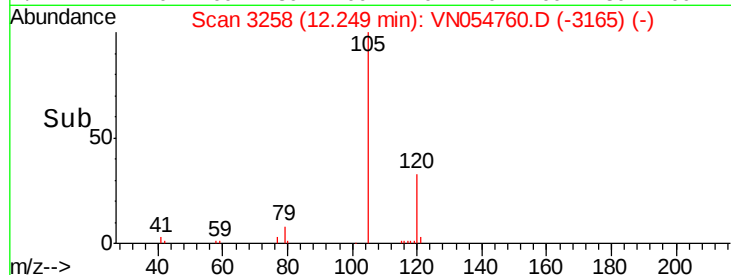
40000

20000

0

Time-->

12.20 12.25 12.30 12.35



#74

N-ethyl acetate

Concen: 4.721 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Tgt Ion: 43 Resp: 26713

Ion Ratio Lower Upper

43 100

70 37.2 35.4 53.0

55 24.6 19.8 29.6

61 21.4 19.8 29.6

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

25000

20000

15000

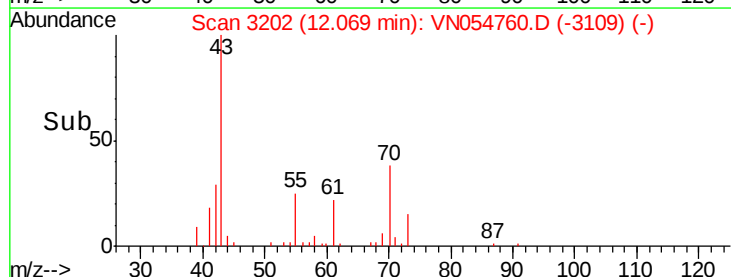
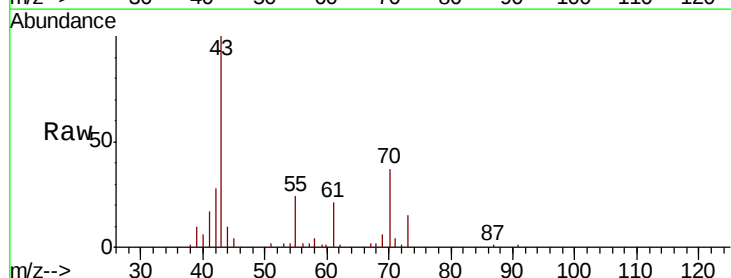
10000

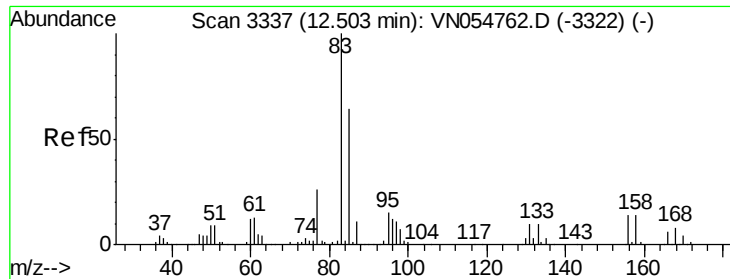
5000

0

Time-->

12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 5.469 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

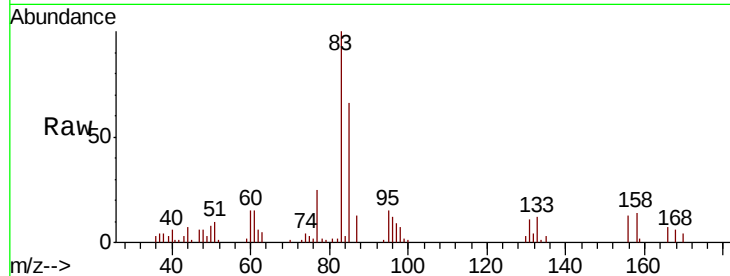
ClientSampleId :

VSTDIC005

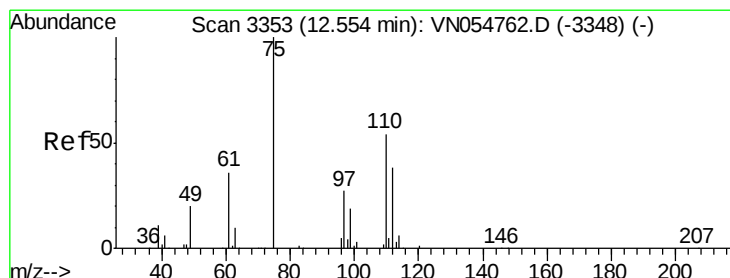
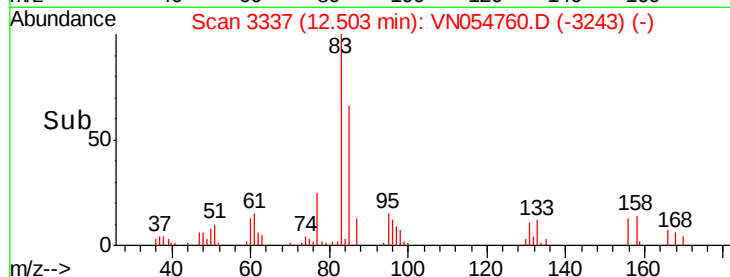
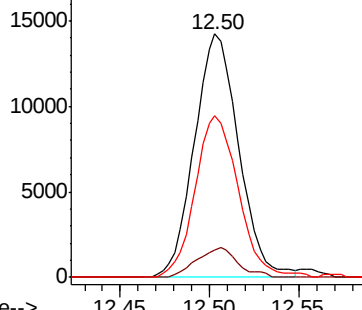
Tot Ion:	83	Resp:	24670
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.8	17.4
85	64.9	32.2	96.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN054760.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 5.412 ug/l m

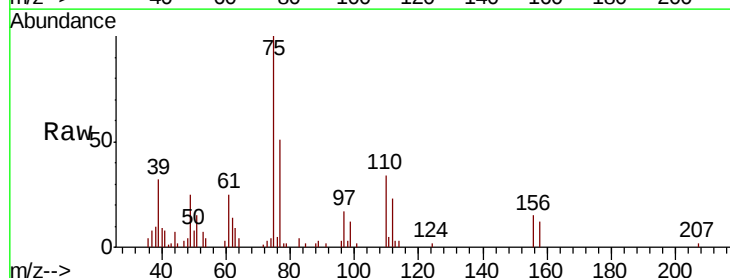
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

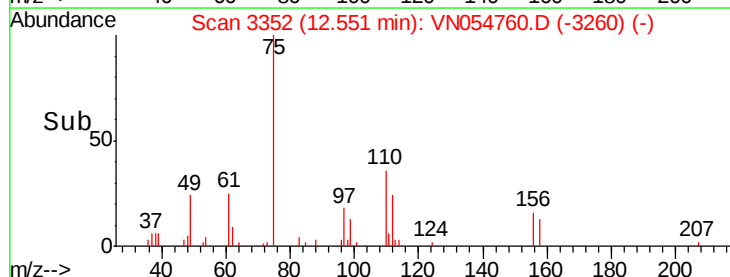
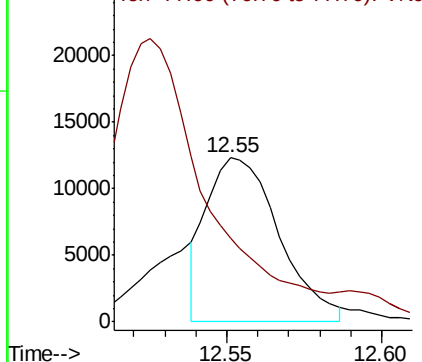
Lab File: VN054760.D

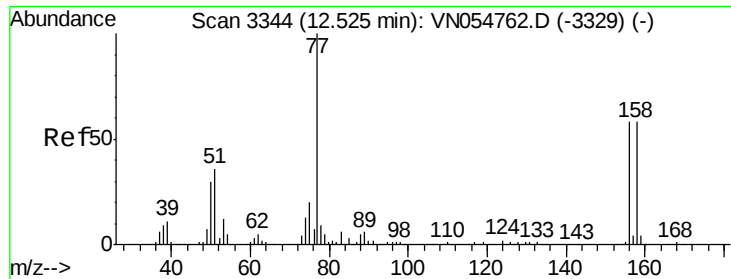
Acq: 29 Mar 2019 10:27

Tgt Ion:	75	Resp:	20193
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054760.D (-3348) (-)





#77

Bromobenzene

Concen: 5.643 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:156 Resp: 24738

Ion Ratio Lower Upper

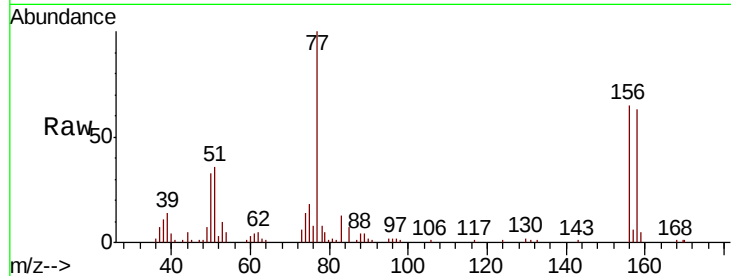
156 100

77 190.0 81.5 244.4

158 95.0 49.0 147.2

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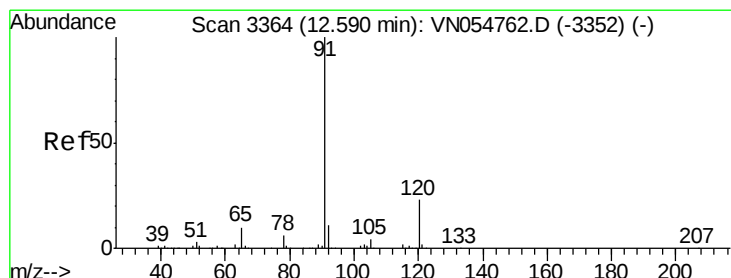
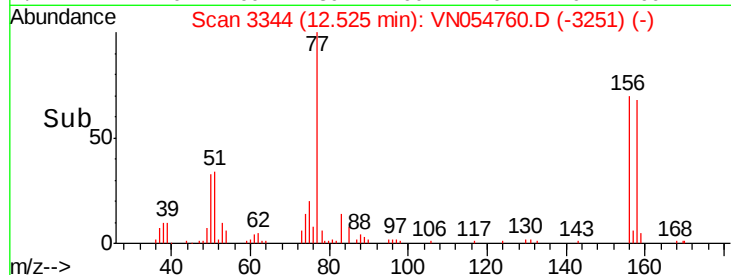
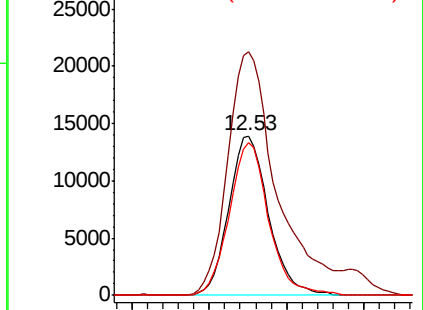
MMDadoda
4/1/2019 3:59:58 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.252 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054760.D

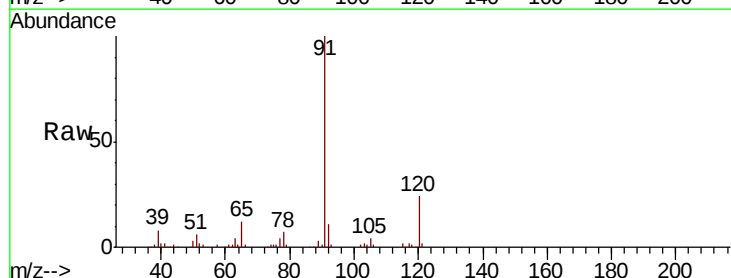
Acq: 29 Mar 2019 10:27

Tgt Ion: 91 Resp: 104852

Ion Ratio Lower Upper

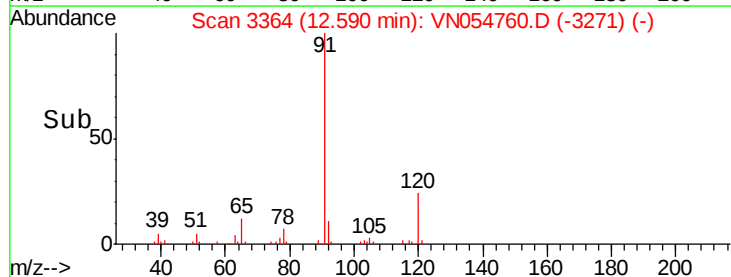
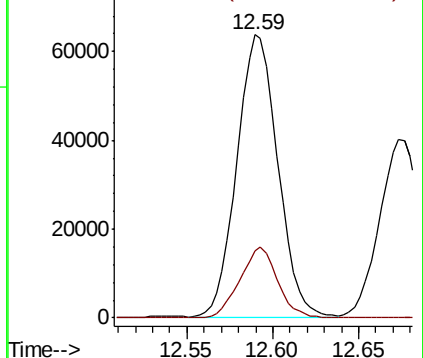
91 100

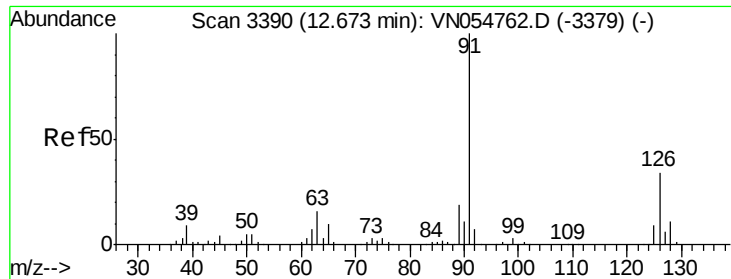
120 23.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.513 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 68085

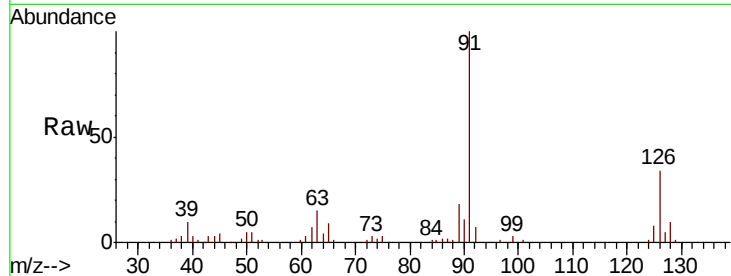
Ion Ratio Lower Upper

91 100

126 33.4 18.7 56.1

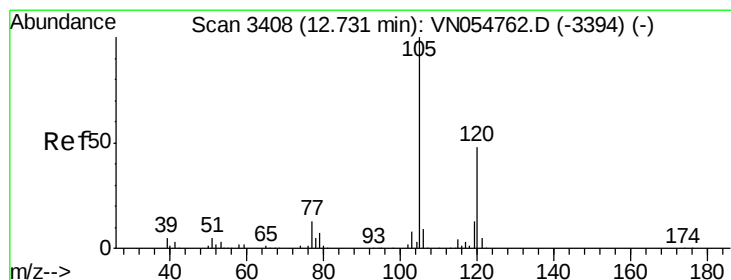
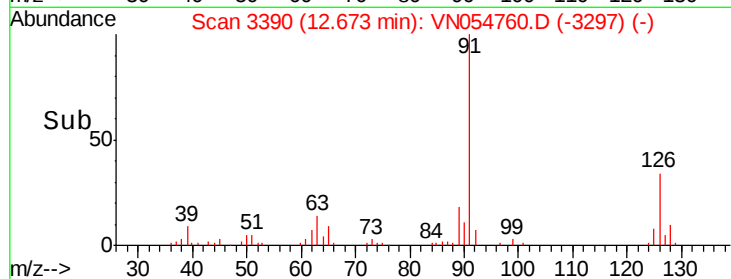
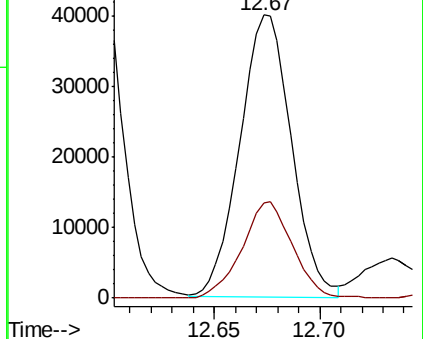
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN054760.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054760.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.559 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054760.D

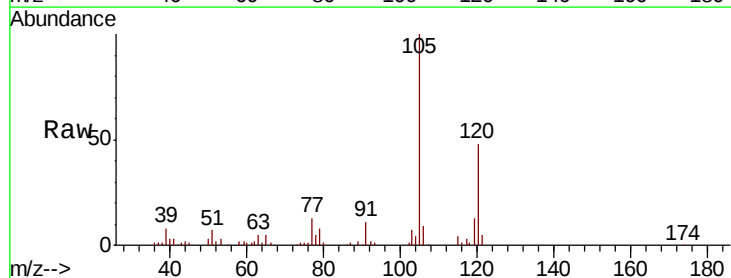
Acq: 29 Mar 2019 10:27

Tgt Ion: 105 Resp: 82851

Ion Ratio Lower Upper

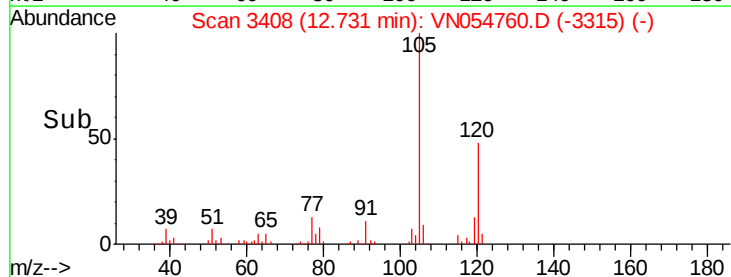
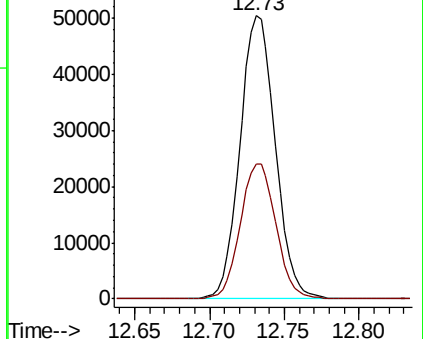
105 100

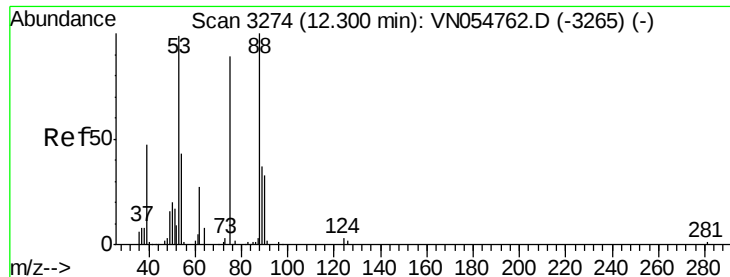
120 48.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054760.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054760.D (-3394) (-)





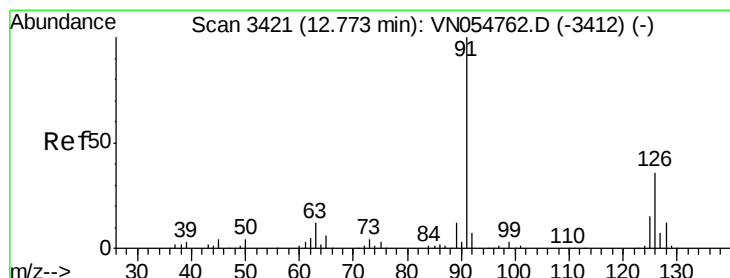
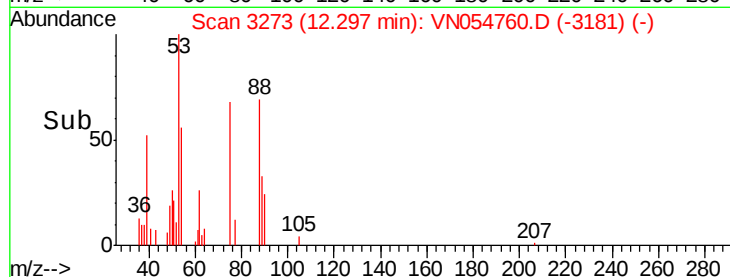
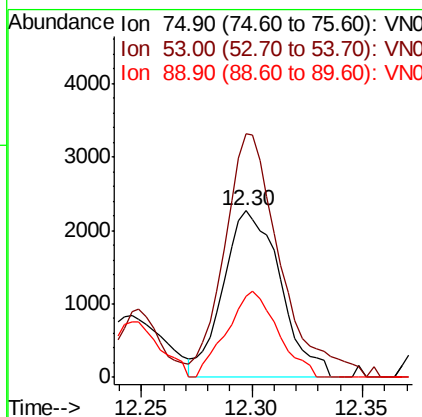
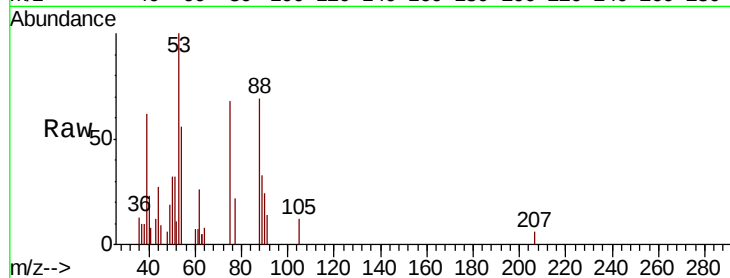
#81
trans-1,4-Dichloro-2-butene
Concen: 4.124 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	142.2	76.2	114.2#
89	45.8	39.2	58.8

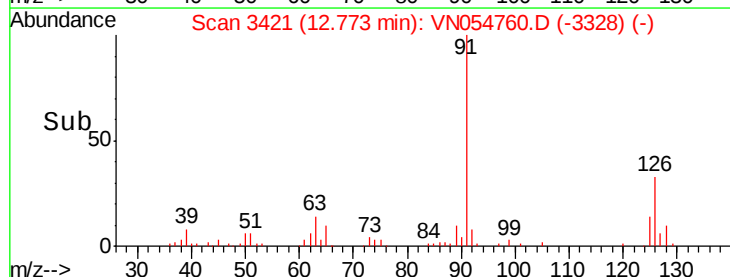
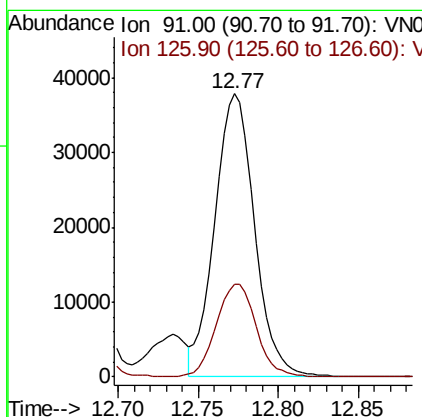
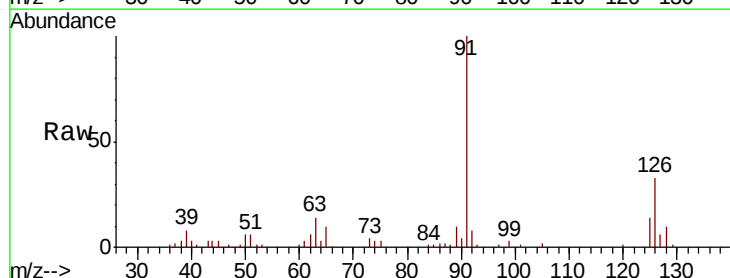
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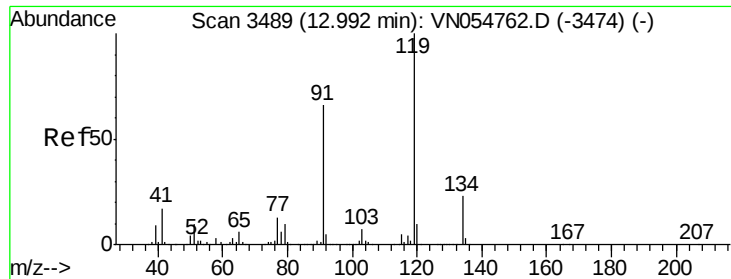
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#82
4-Chlorotoluene
Concen: 5.389 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	18.1	54.1





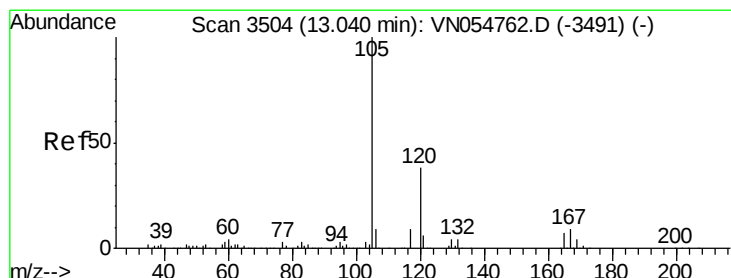
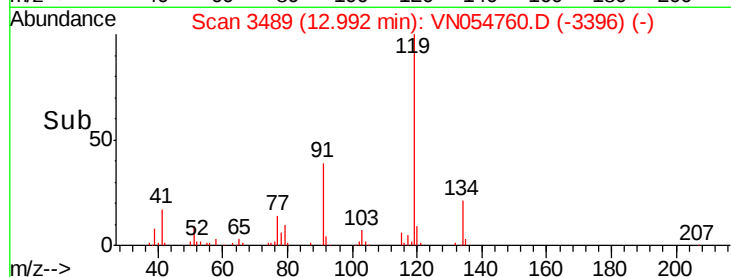
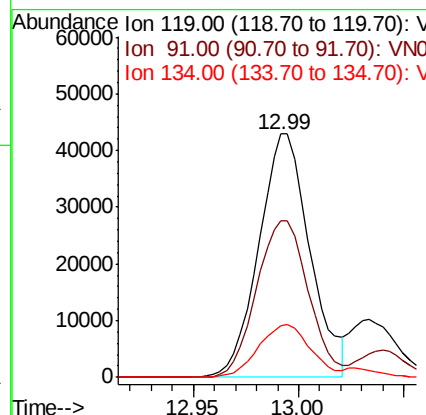
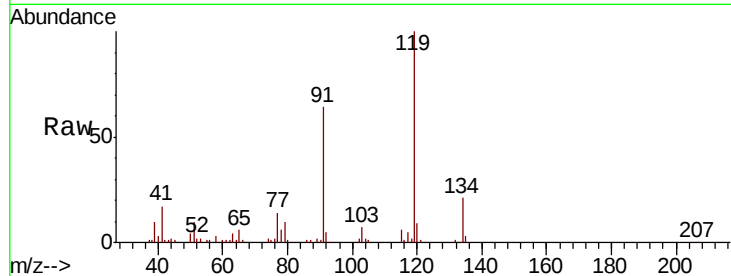
#83
 tert-Butylbenzene
 Concen: 5.546 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054760.D
 Acq: 29 Mar 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	30.9	92.8
134	22.1	13.2	39.6

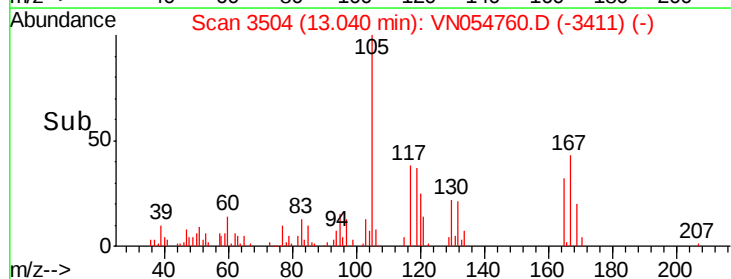
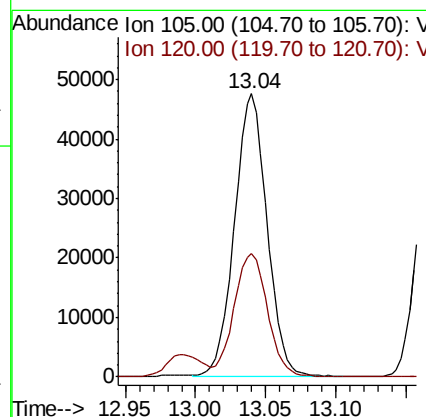
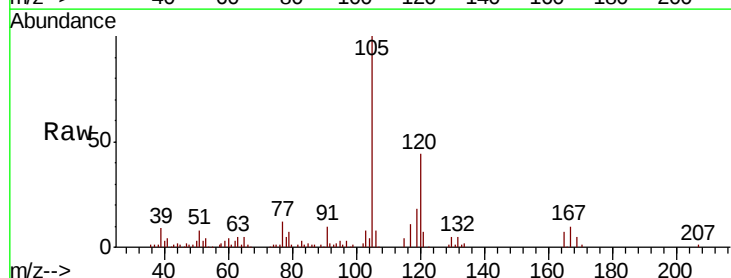
Manual Integrations
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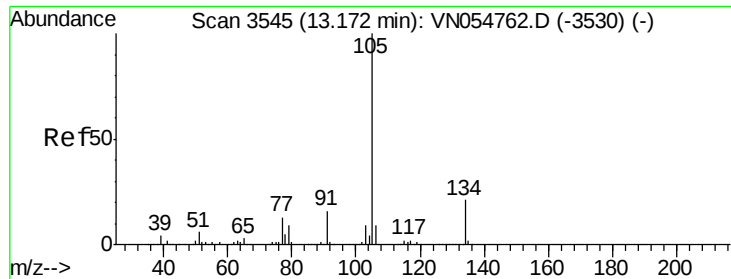
MMDadoda
 4/1/2019 3:59:58 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 5.434 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054760.D
 Acq: 29 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	23.4	70.3





#85

sec-Butylbenzene

Concen: 5.356 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 86713

Ion Ratio Lower Upper

105 100

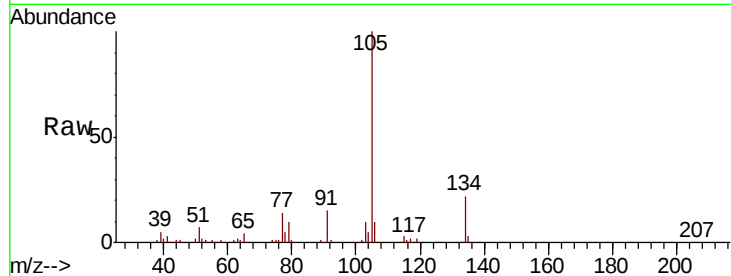
134 20.7 10.7 32.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

60000

50000

40000

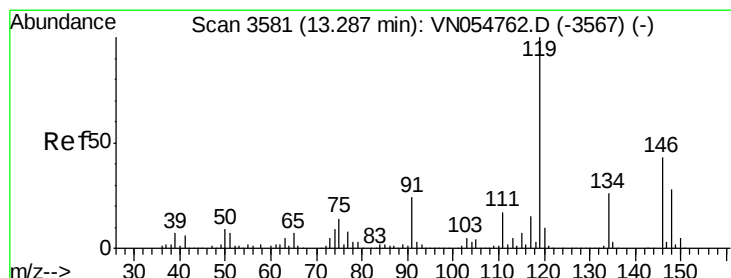
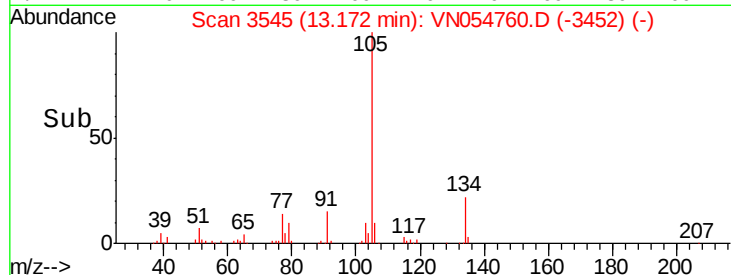
30000

20000

10000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 5.281 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

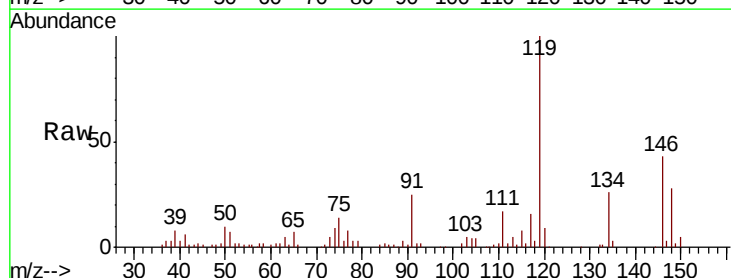
Tgt Ion:119 Resp: 75409

Ion Ratio Lower Upper

119 100

134 24.9 13.6 40.8

91 24.5 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

13.29

60000

50000

40000

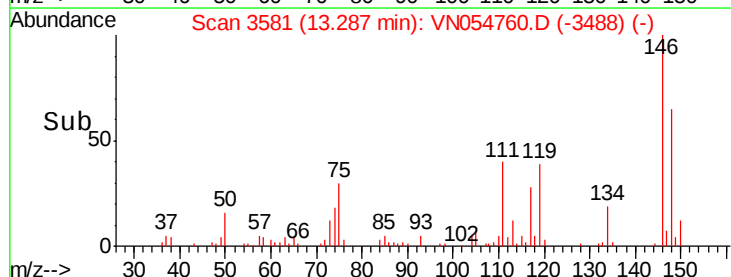
30000

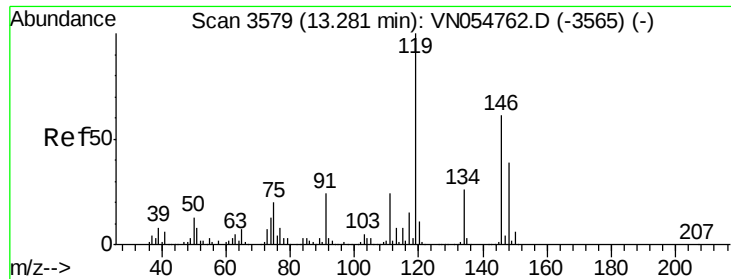
20000

10000

0

Time--> 13.25 13.30 13.35





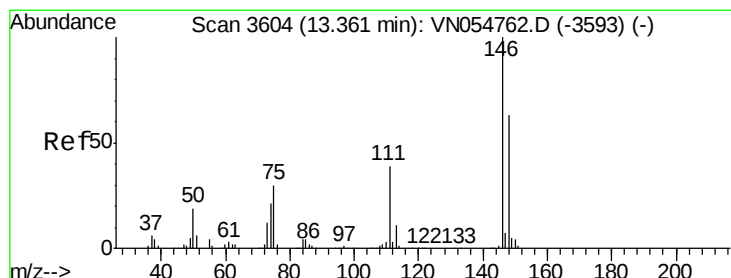
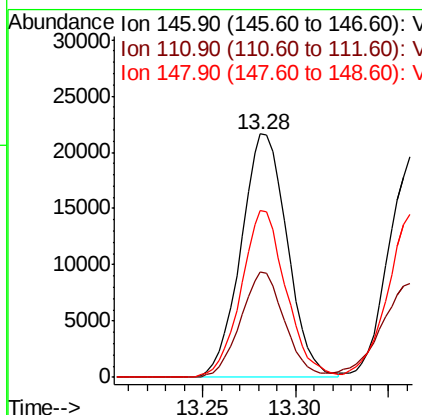
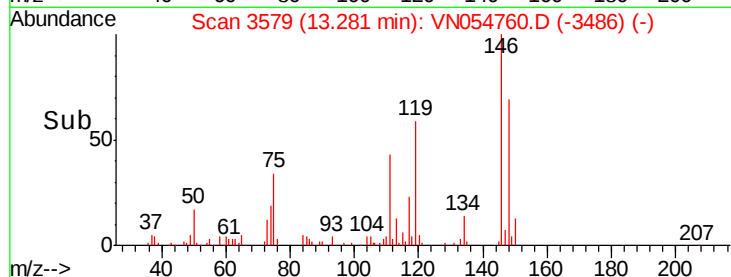
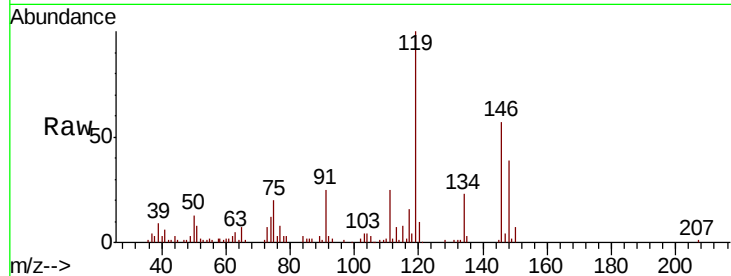
#87
1,3-Dichlorobenzene
Concen: 5.109 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	18.8	56.3
148	66.5	32.2	96.6

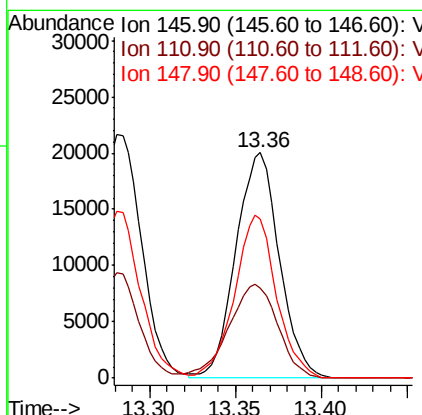
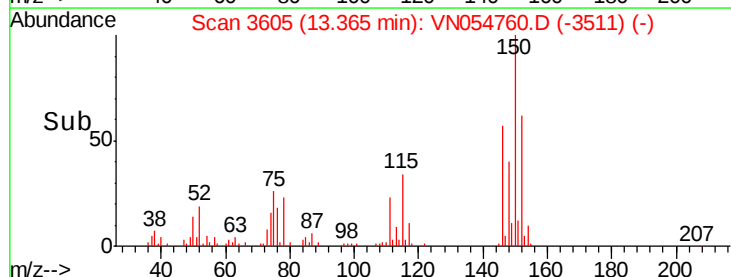
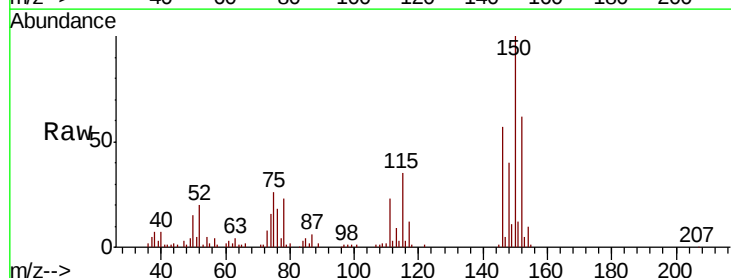
Manual Integrations
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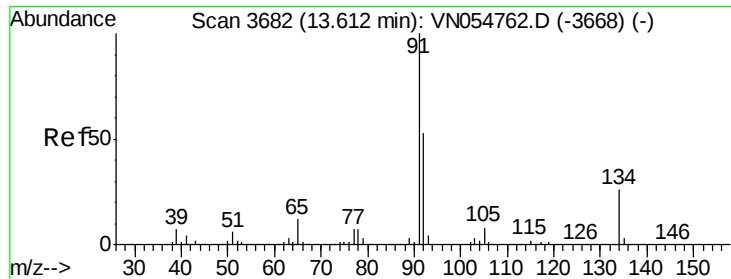
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#88
1,4-Dichlorobenzene
Concen: 4.887 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.1	18.1	54.1
148	69.6	32.0	96.0





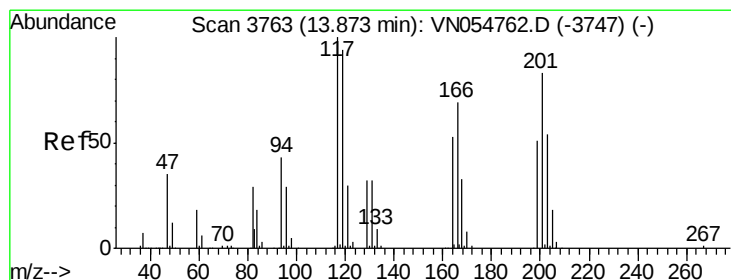
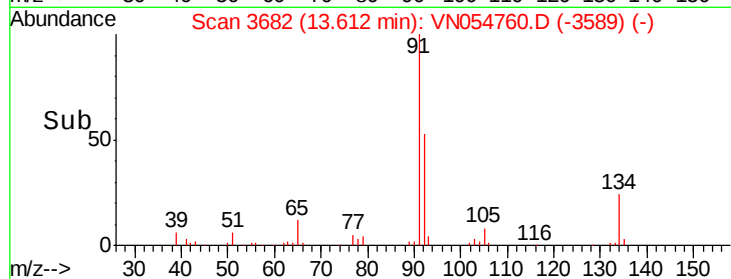
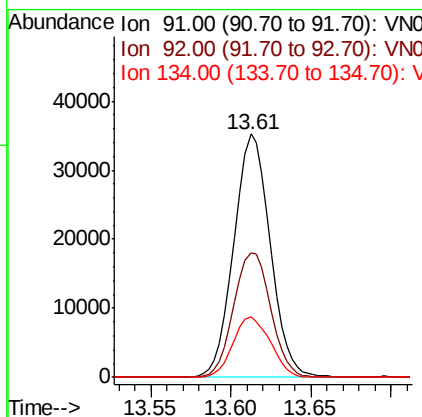
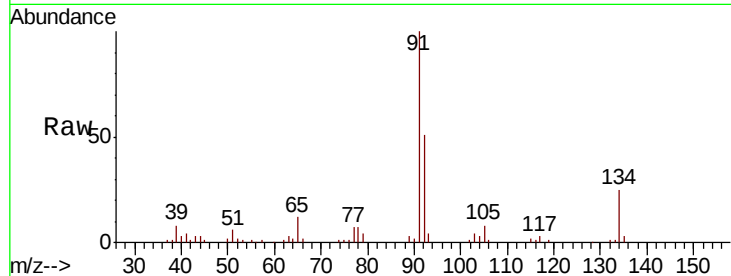
#89
n-Butylbenzene
Concen: 4.689 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.6
134	25.3	14.3	42.9

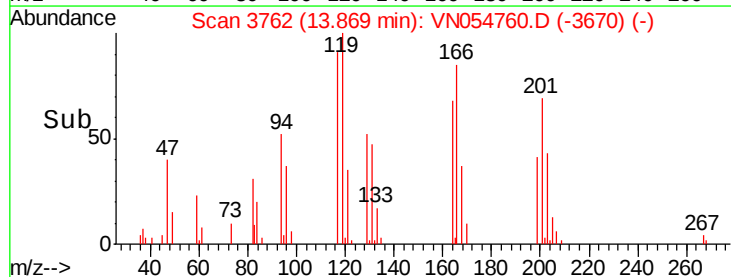
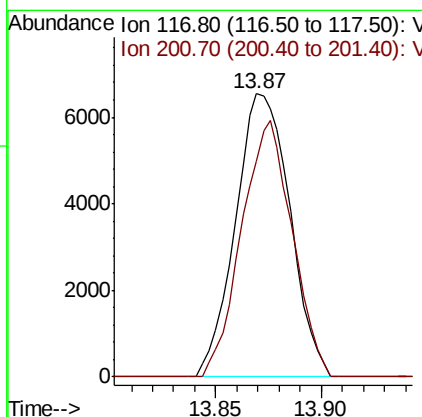
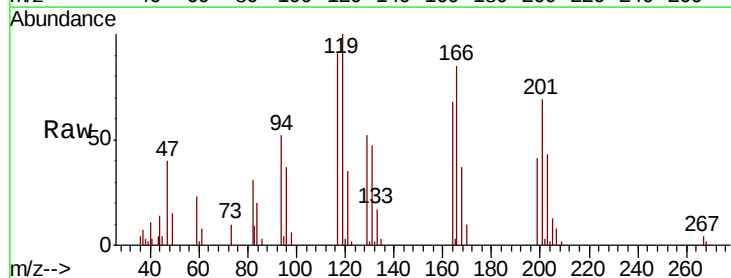
Manual Integrations
APPROVED

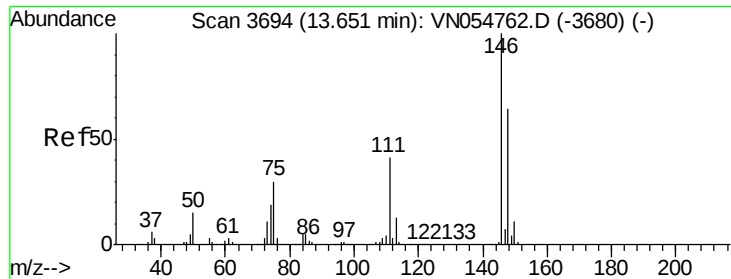
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4/1/2019 3:59:58 PM



#90
Hexachloroethane
Concen: 4.842 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN054760.D
Acq: 29 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	48.1	144.4





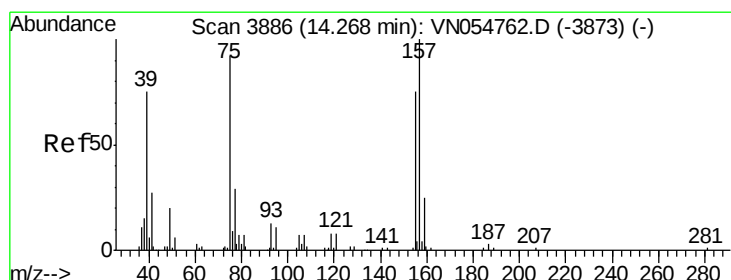
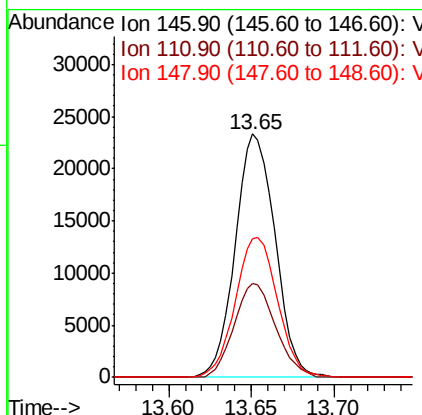
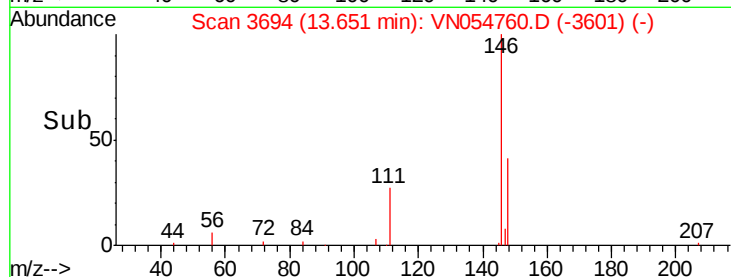
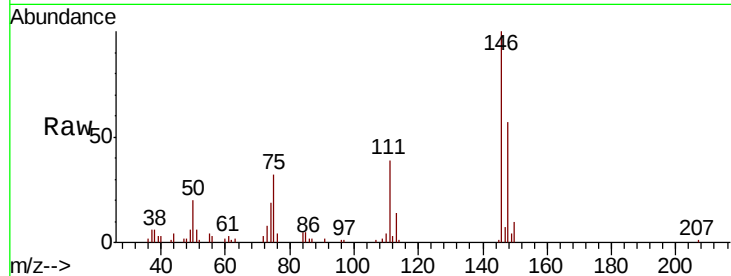
#91
 1,2-Dichlorobenzene
 Concen: 5.276 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054760.D
 Acq: 29 Mar 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.1	57.3
148	60.8	32.4	97.0

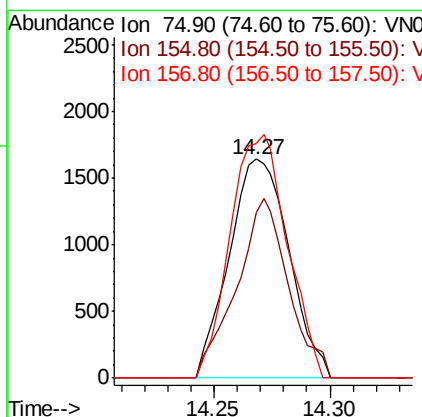
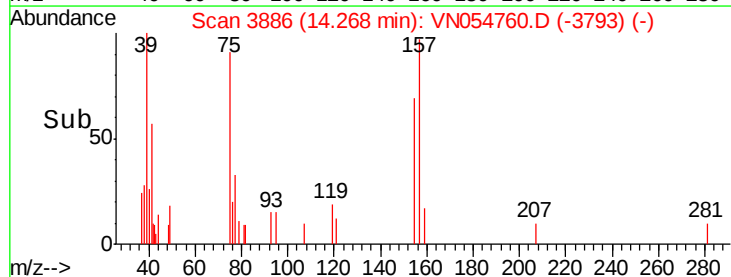
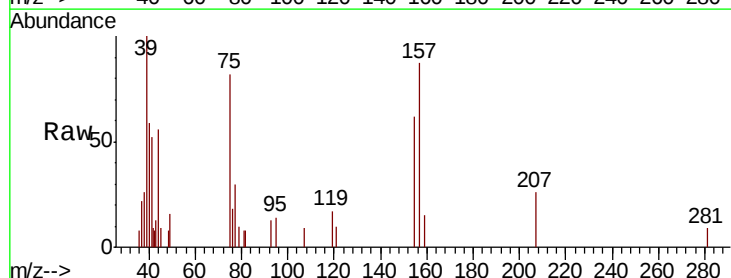
Manual Integrations
 APPROVED

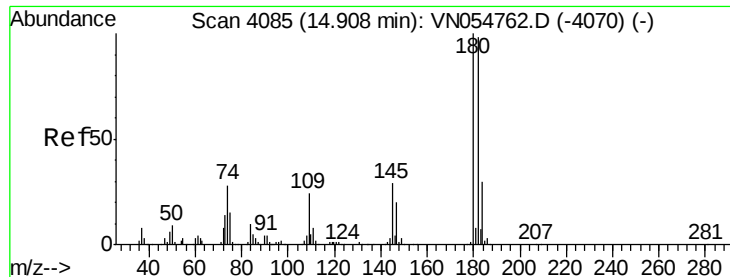
MMDadoda
 4/1/2019 3:59:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.756 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054760.D
 Acq: 29 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.8	50.1	150.3
157	105.8	63.1	189.3





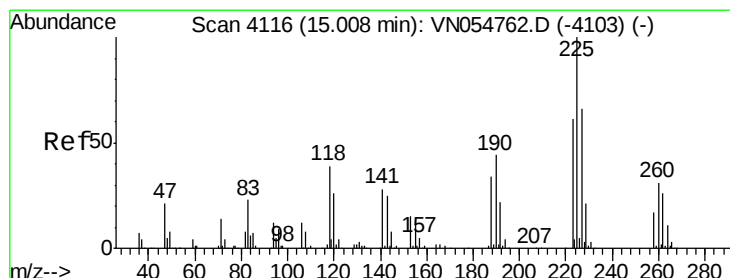
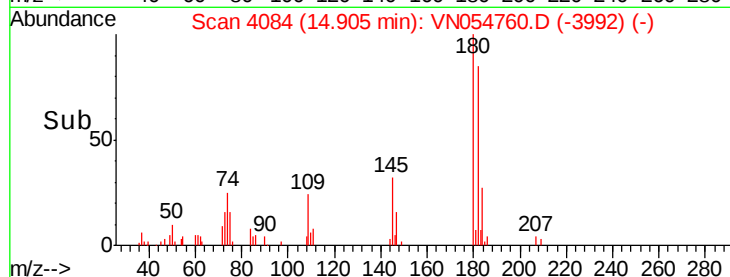
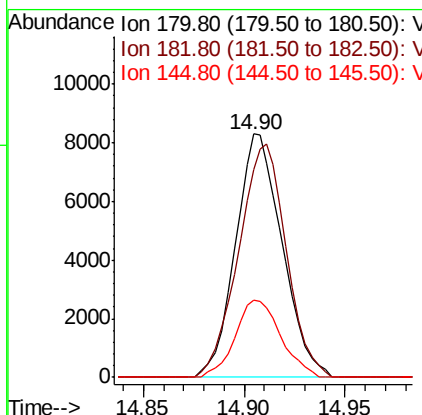
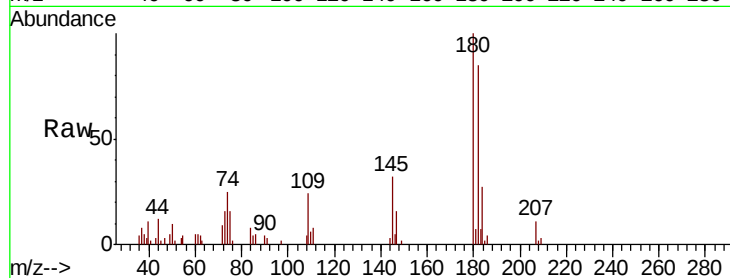
#93
 1,2,4-Trichlorobenzene
 Concen: 3.757 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN054760.D
 Acq: 29 Mar 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.9	48.0	144.2
145	31.0	14.2	42.8

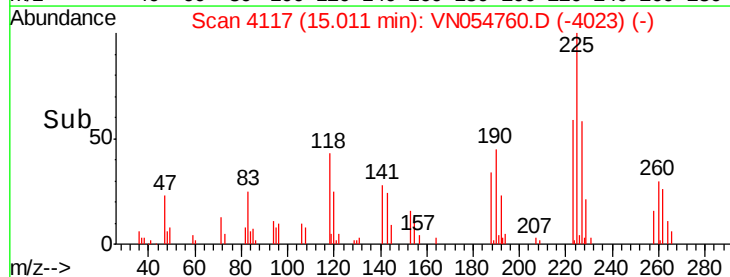
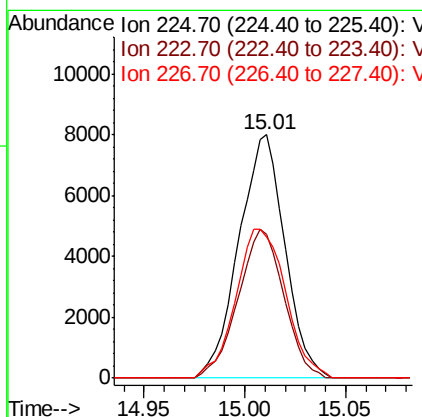
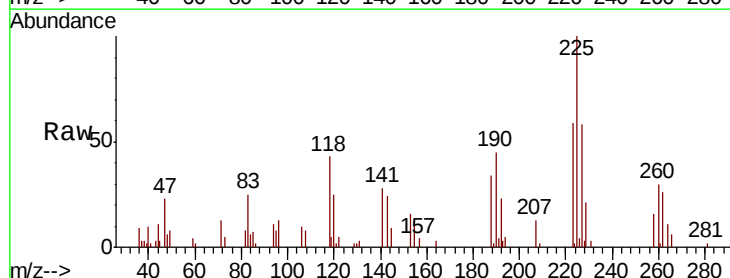
Manual Integrations
 APPROVED

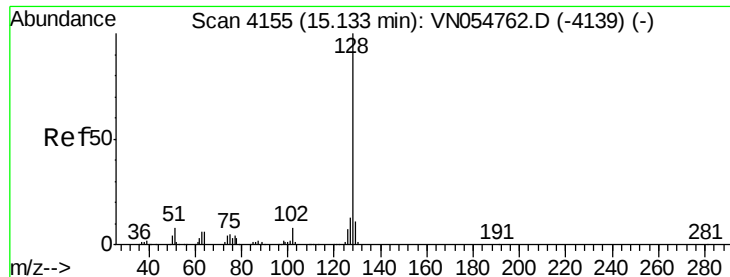
MMDadoda
 4/1/2019 3:59:58 PM



#94
 Hexachlorobutadiene
 Concen: 5.303 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054760.D
 Acq: 29 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	31.1	93.5
227	66.8	31.9	95.9





#95

Naphthalene

Concen: 3.627 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Instrument :

MSVOA_N

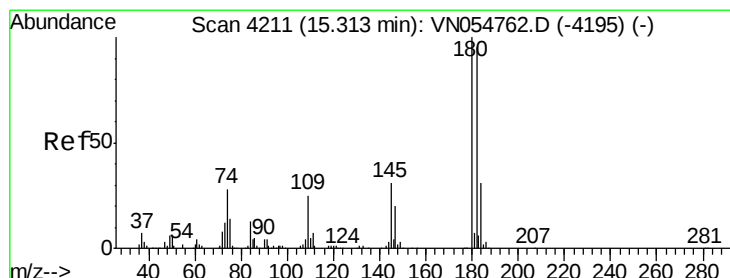
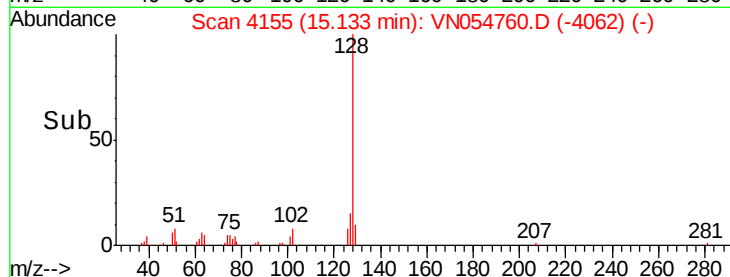
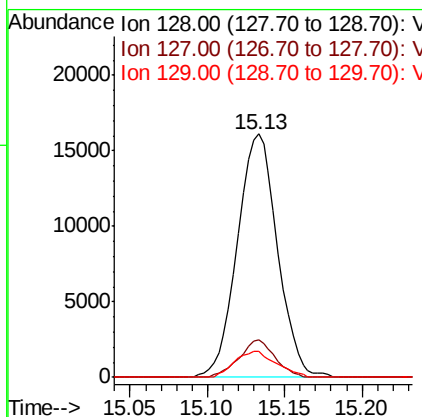
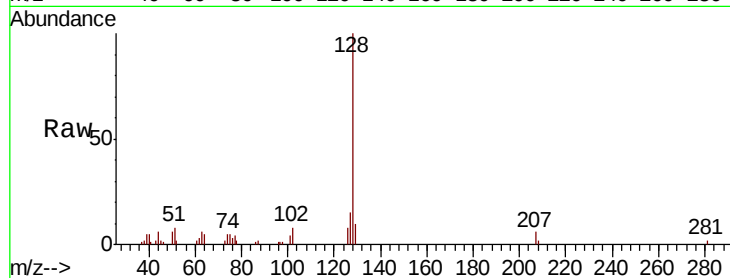
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	29045
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:59:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 4.121 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054760.D

Acq: 29 Mar 2019 10:27

Tgt Ion:	180	Resp:	14860
Ion Ratio	Lower	Upper	
180	100		
182	91.5	47.5	142.6
145	30.7	14.8	44.3

