

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
 Data File : VN054467.D
 Acq On : 20 Mar 2019 16:55
 Operator : JC/SP
 Sample : VN0320MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320MBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:50:49 PM

Quant Time: Mar 22 04:39:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	520034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	854624	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	730871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	314662	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	348036	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
35) Dibromofluoromethane	7.59	113	275616	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	10.09	98	1038220	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	344724	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	105329	21.187	ug/l	100
3) Chloromethane	2.06	50	144956	21.431	ug/l	100
4) Vinyl Chloride	2.19	62	144991	21.350	ug/l	96
5) Bromomethane	2.58	94	88434	20.139	ug/l	99
6) Chloroethane	2.71	64	83445	20.486	ug/l	99
7) Trichlorofluoromethane	3.02	101	174524	21.162	ug/l	97
8) Diethyl Ether	3.41	74	64787	20.426	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	96758	19.963	ug/l	97
10) Methyl Iodide	3.95	142	136370	19.127	ug/l	94
11) Tert butyl alcohol	4.82	59	38511	98.340	ug/l	96
12) 1,1-Dichloroethene	3.73	96	100064	19.949	ug/l	87
13) Acrolein	3.61	56	56476	104.503	ug/l	96
14) Allyl chloride	4.32	41	188359	19.942	ug/l #	93
15) Acrylonitrile	4.99	53	202467	103.819	ug/l	98
16) Acetone	3.82	43	171741	88.311	ug/l	88
17) Carbon Disulfide	4.04	76	250962	18.673	ug/l	98
18) Methyl Acetate	4.33	43	88973	20.526	ug/l #	70
19) Methyl tert-butyl Ether	5.05	73	308011	21.041	ug/l	97
20) Methylene Chloride	4.54	84	117282	20.459	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	106770	20.846	ug/l #	84
22) Diisopropyl ether	5.96	45	392258	21.054	ug/l #	95
23) Vinyl Acetate	5.90	43	1395232	106.035	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	210481	20.982	ug/l	98
25) 2-Butanone	6.85	43	256865	103.109	ug/l	91
26) 2,2-Dichloropropane	6.82	77	135450	18.942	ug/l	76
27) cis-1,2-Dichloroethene	6.83	96	126085	20.639	ug/l	89
28) Bromochloromethane	7.20	49	102445	20.748	ug/l #	77
29) Tetrahydrofuran	7.22	42	177393	109.731	ug/l #	86
30) Chloroform	7.37	83	205335	20.975	ug/l	97
31) Cyclohexane	7.65	56	209113	20.666	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	171013	21.174	ug/l	96
36) 1,1-Dichloropropene	7.79	75	155428	19.451	ug/l	96
37) Ethyl Acetate	6.94	43	113063	19.894	ug/l	98
38) Carbon Tetrachloride	7.77	117	148158	19.080	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	174196	19.057	ug/l	88
40) Benzene	8.04	78	458296	20.057	ug/l	99
41) Methacrylonitrile	7.18	41	57715	16.652	ug/l	92
42) 1,2-Dichloroethane	8.13	62	164547	19.774	ug/l	97
43) Isopropyl Acetate	8.17	43	189997	19.795	ug/l	96
44) Trichloroethene	8.84	130	121125	19.066	ug/l	92
45) 1,2-Dichloropropane	9.12	63	126322	20.588	ug/l	98
46) Dibromomethane	9.21	93	75933	20.744	ug/l	90
47) Bromodichloromethane	9.40	83	150221	19.775	ug/l	98
48) Methyl methacrylate	9.20	41	101455	19.475	ug/l	89
49) 1,4-Dioxane	9.21	88	23537	404.134	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	547848	102.990	ug/l	94
52) Toluene	10.16	92	275405	19.596	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	134780	18.300	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	168512	19.346	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	100505	19.895	ug/l	95
56) Ethyl methacrylate	10.43	69	131780	19.435	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	181060	20.618	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	264668	94.792	ug/l	93
59) 2-Hexanone	10.75	43	337901	97.249	ug/l	93
60) Dibromochloromethane	10.90	129	103604	19.273	ug/l	99
61) 1,2-Dibromoethane	11.01	107	98596	19.741	ug/l	98
64) Tetrachloroethene	10.63	164	117204	19.333	ug/l	93
65) Chlorobenzene	11.43	112	291598	19.616	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	106193	19.903	ug/l	99
67) Ethyl Benzene	11.51	91	518658	19.752	ug/l	100
68) m/p-Xylenes	11.62	106	393977	39.612	ug/l	98
69) o-Xylene	11.95	106	195070	20.083	ug/l	99
70) Styrene	11.96	104	313908	19.901	ug/l	98
71) Bromoform	12.13	173	62438	18.441	ug/l #	99
73) Isopropylbenzene	12.25	105	510537	20.135	ug/l	97
74) N-amyl acetate	12.07	43	151376	20.763	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	119004	20.560	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	112111m	22.453	ug/l	
77) Bromobenzene	12.53	156	123705	19.671	ug/l	89
78) n-propylbenzene	12.59	91	542903	19.745	ug/l	98
79) 2-Chlorotoluene	12.67	91	334833	19.529	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	415434	19.991	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21511	17.081	ug/l #	73
82) 4-Chlorotoluene	12.77	91	325906	19.610	ug/l	96
83) tert-Butylbenzene	12.99	119	362854	20.059	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	410502	20.131	ug/l	97
85) sec-Butylbenzene	13.17	105	447996	19.867	ug/l	97
86) p-Isopropyltoluene	13.29	119	397704	19.713	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	201864	19.370	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	195826	19.313	ug/l	97
89) n-Butylbenzene	13.62	91	303215	19.221	ug/l	98
90) Hexachloroethane	13.87	117	59575	19.024	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	202713	20.083	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16907	19.914	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	93454	18.572	ug/l	100
94) Hexachlorobutadiene	15.01	225	60614	19.950	ug/l	99
95) Naphthalene	15.13	128	211386	18.834	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	94872	18.944	ug/l	99

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

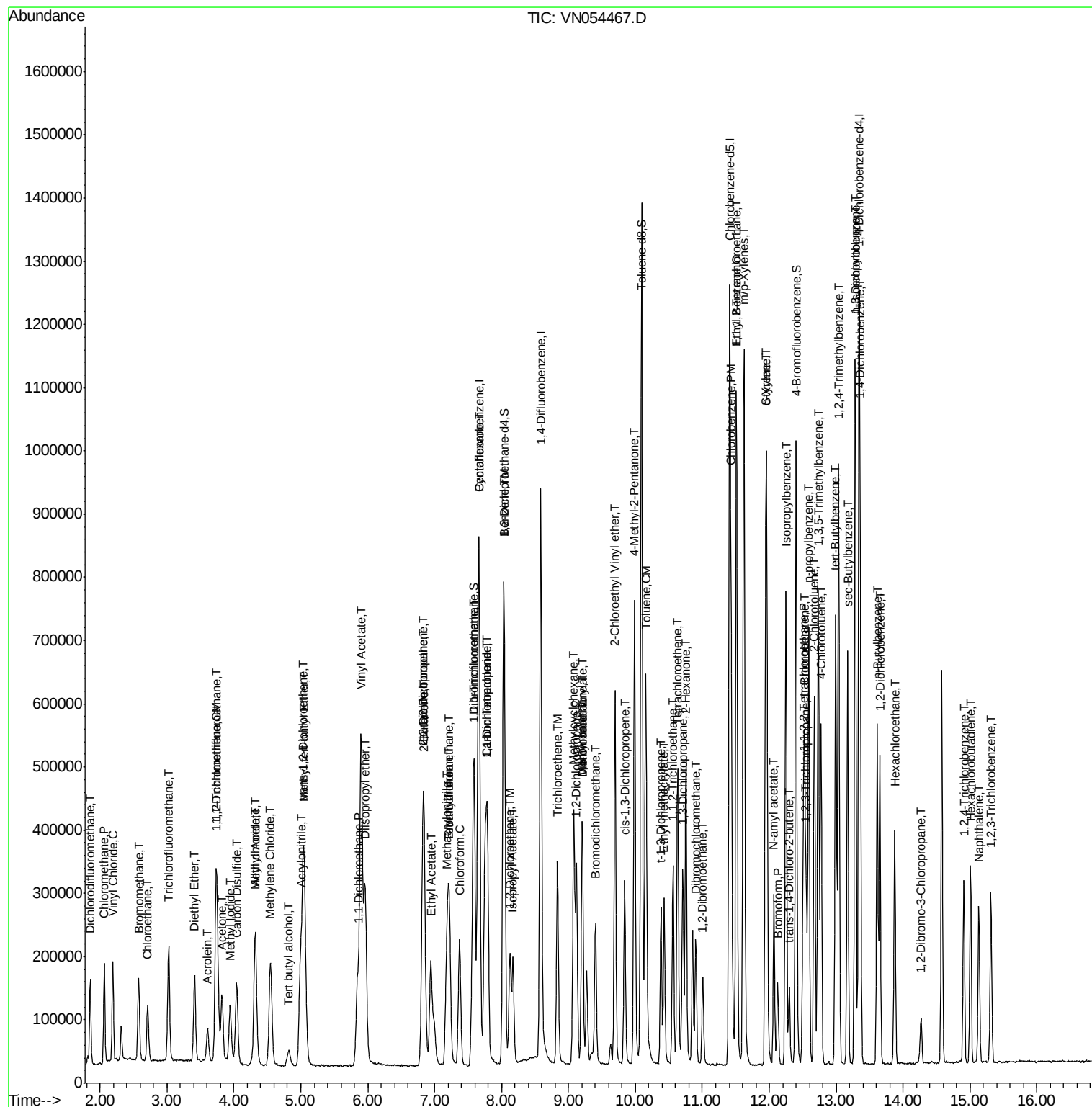
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320MBS01

Tot Ion:168 Resp: 520034

Ion Ratio Lower Upper

168 100

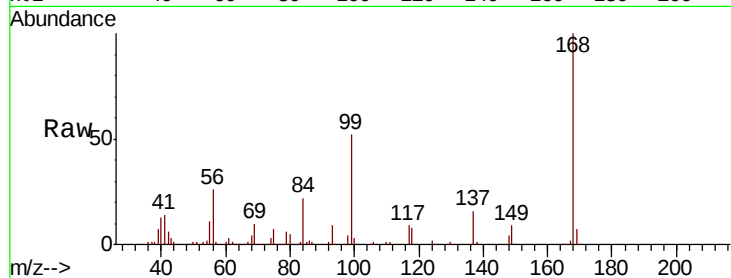
99 51.1 37.1 55.7

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

250000

200000

150000

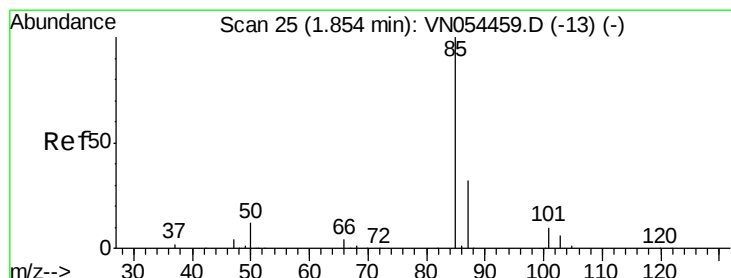
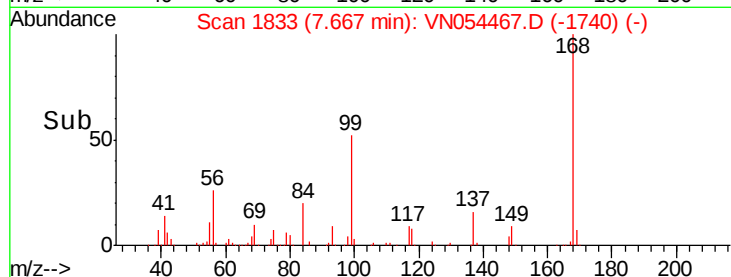
100000

50000

0

7.60 7.67 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.187 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054467.D

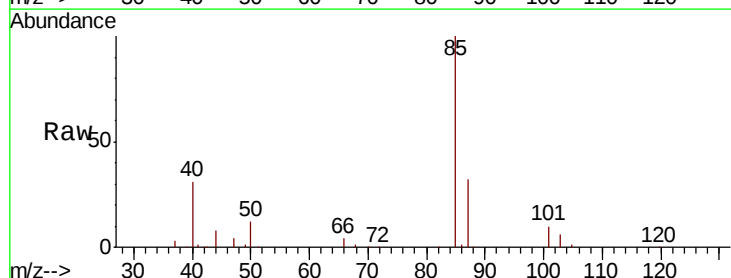
Acq: 20 Mar 2019 16:55

Tgt Ion: 85 Resp: 105329

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

80000

60000

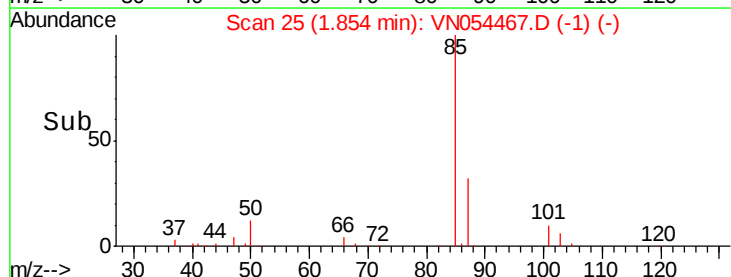
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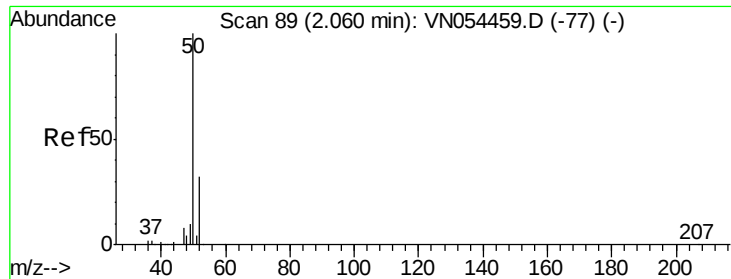
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.431 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

ClientSampled :

VN0320MBS01

Tot Ion: 50 Resp: 144956

Ion Ratio Lower Upper

50 100

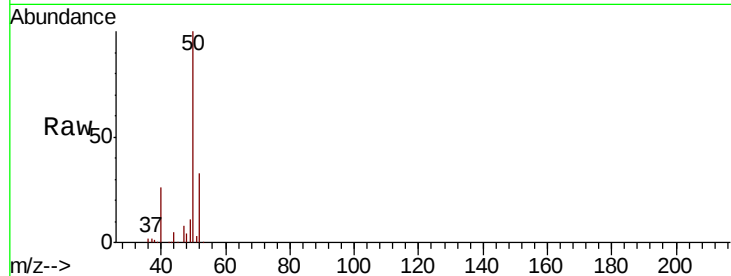
52 33.2 26.4 39.6

Manual Integrations

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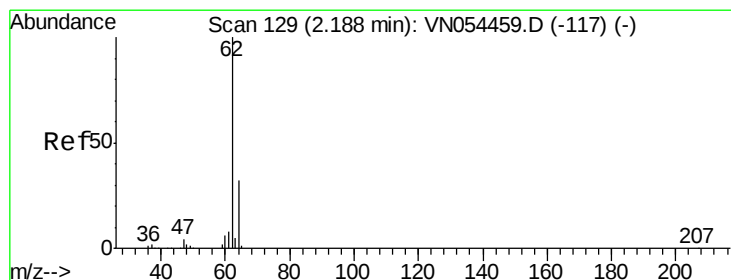
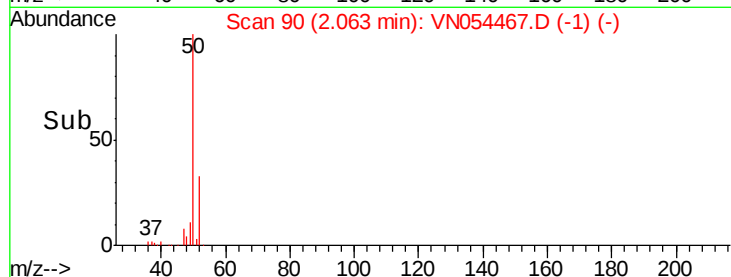
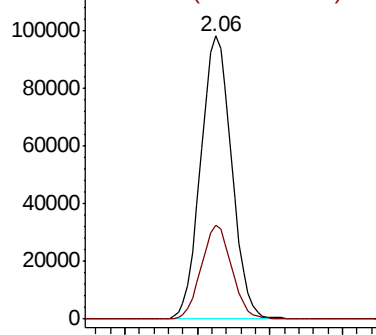
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 21.350 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054467.D

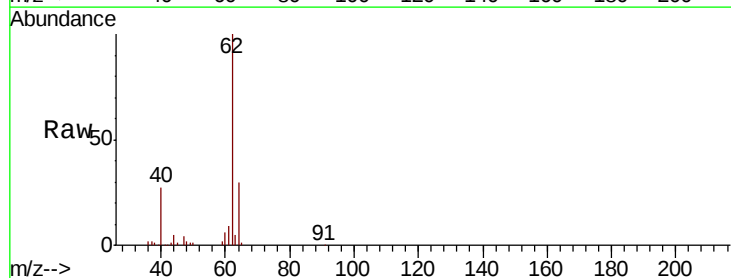
Acq: 20 Mar 2019 16:55

Tgt Ion: 62 Resp: 144991

Ion Ratio Lower Upper

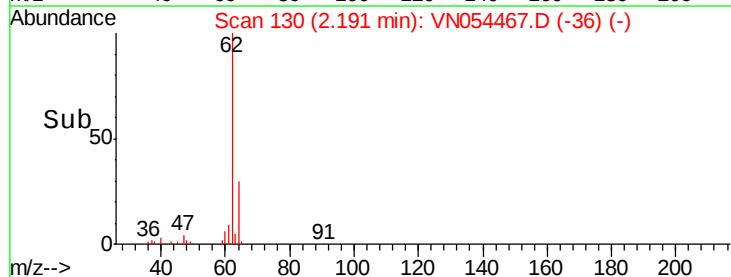
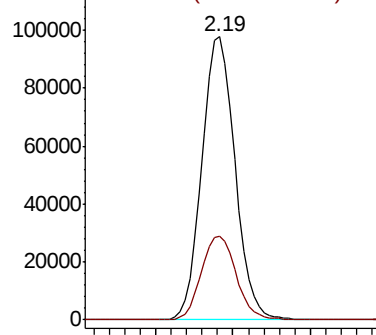
62 100

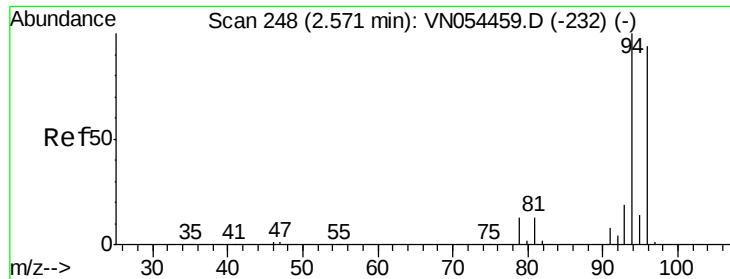
64 29.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.139 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320MBS01

Tot Ion: 94 Resp: 88434

Ion Ratio Lower Upper

94 100

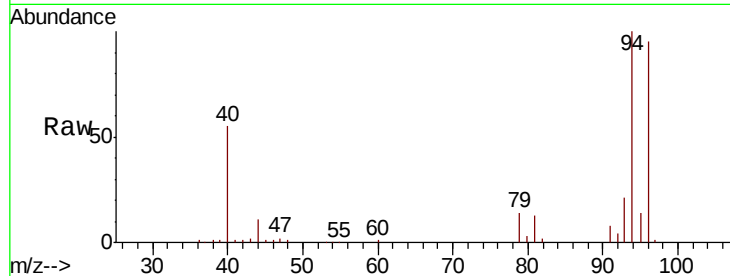
96 95.3 77.0 115.4

Manual Integrations

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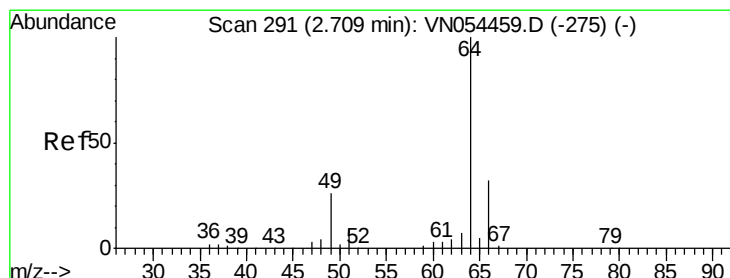
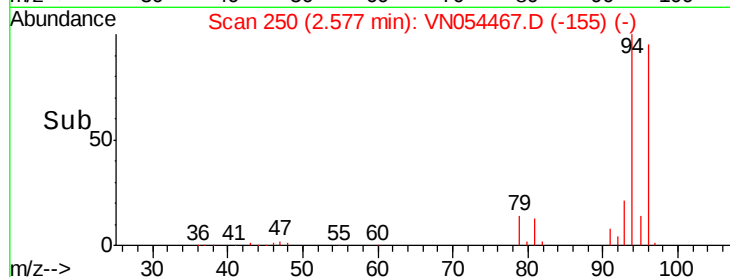
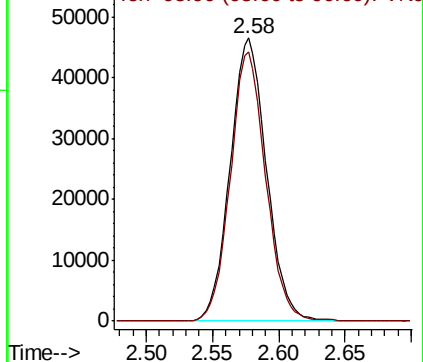
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.486 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054467.D

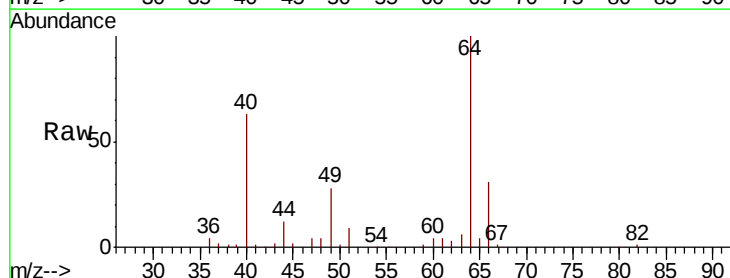
Acq: 20 Mar 2019 16:55

Tgt Ion: 64 Resp: 83445

Ion Ratio Lower Upper

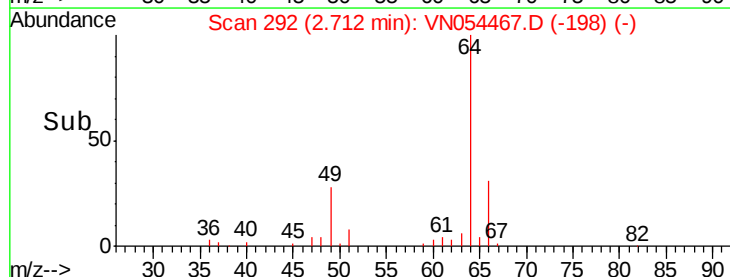
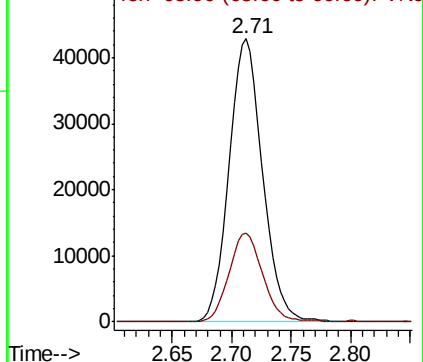
64 100

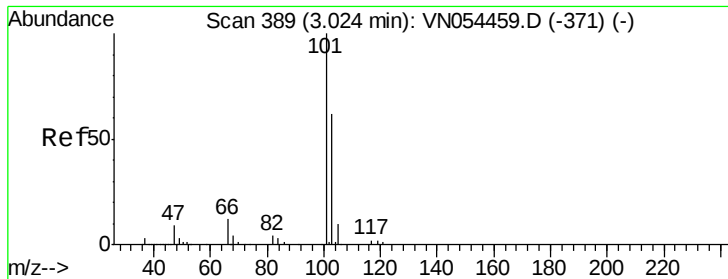
66 31.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

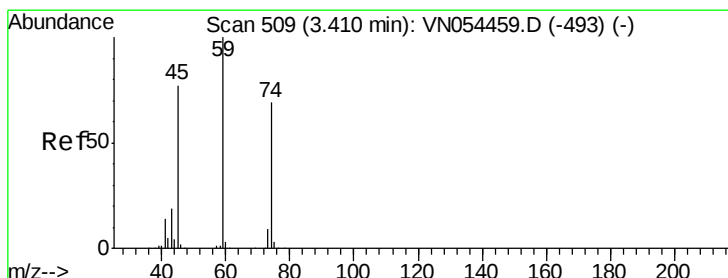
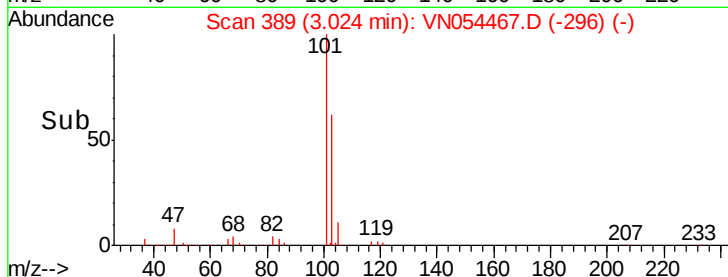
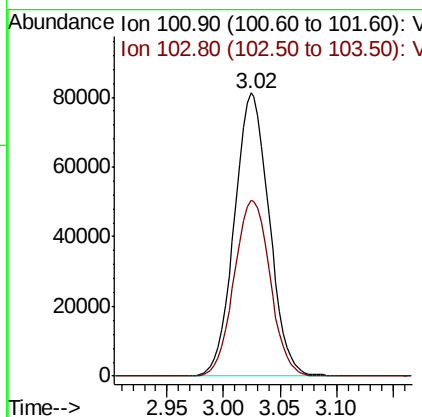
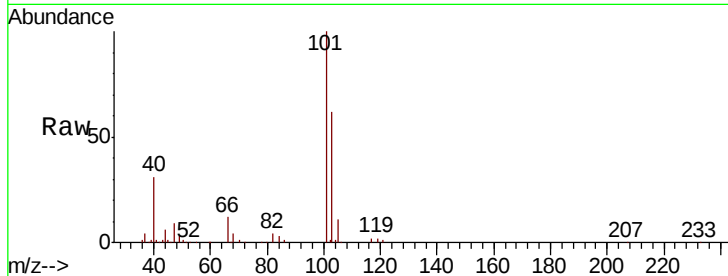
Trichlorofluoromethane
 Concen: 21.162 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054467.D
 Acq: 20 Mar 2019 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.4	77.2

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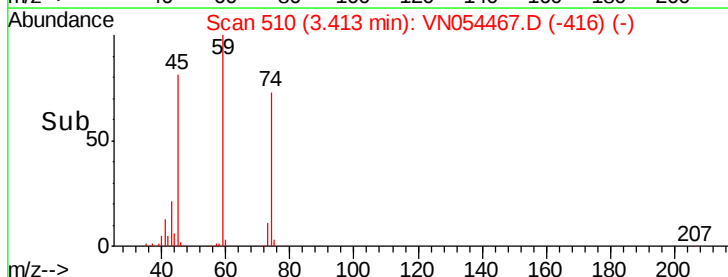
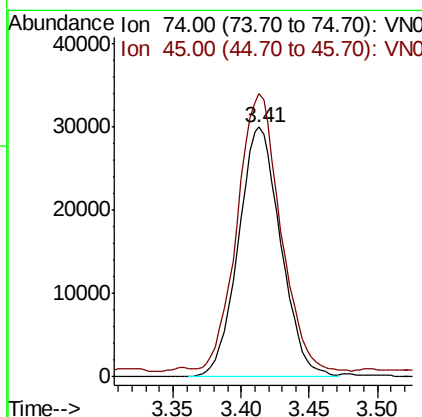
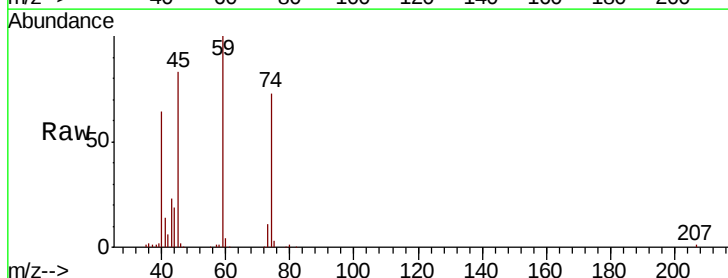
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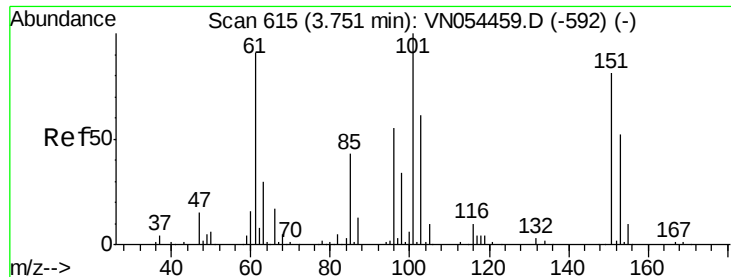


#8

Diethyl Ether
 Concen: 20.426 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054467.D
 Acq: 20 Mar 2019 16:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.6	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.963 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

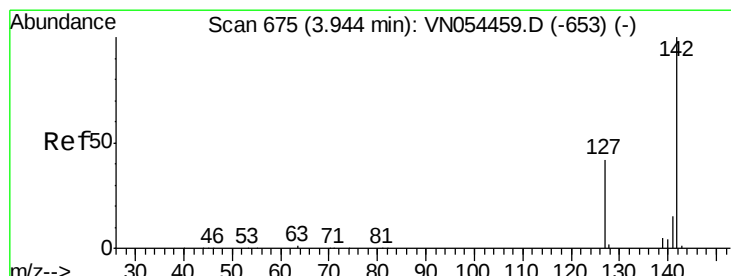
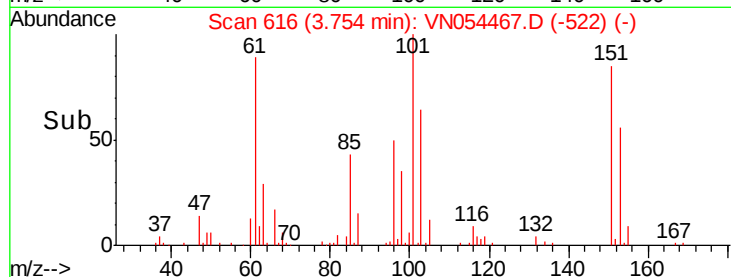
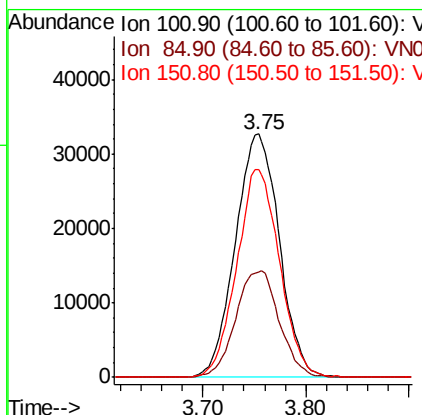
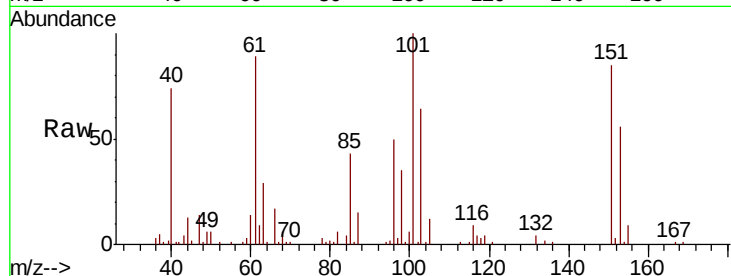
ClientSampleId :

VN0320MBS01

Tot Ion:	101	Resp:	96758
Ion Ratio	Lower	Upper	
101	100		
85	43.3	32.4	48.6
151	83.0	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.127 ug/l

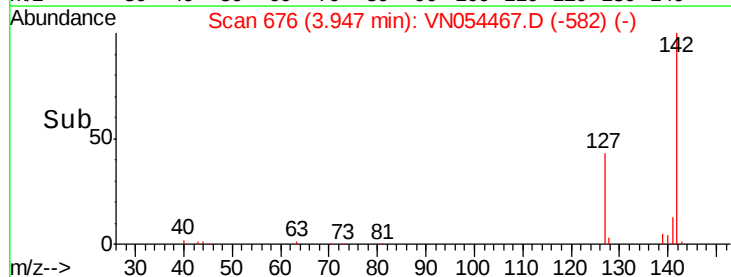
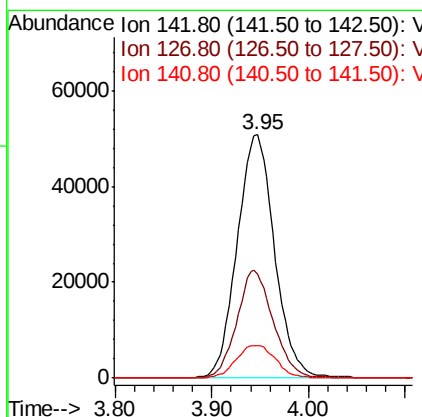
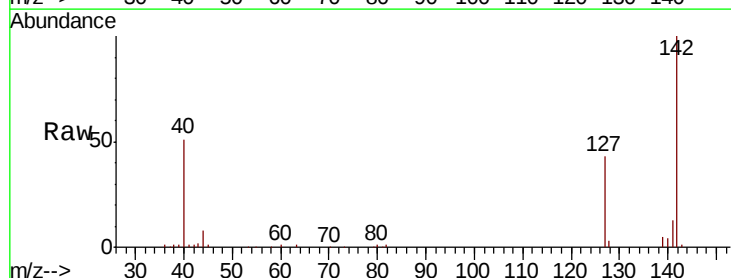
RT: 3.95 min Scan# 676

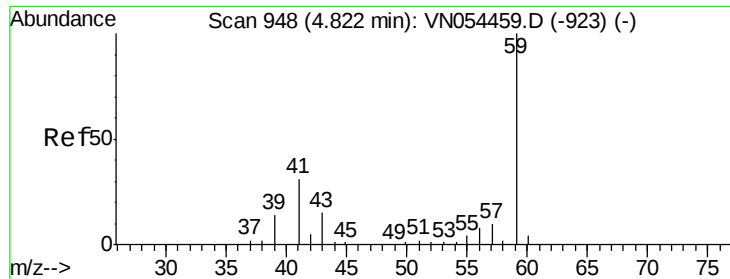
Delta R.T. 0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Tgt Ion:	142	Resp:	136370
Ion Ratio	Lower	Upper	
142	100		
127	43.0	30.3	45.5
141	14.3	11.2	16.8





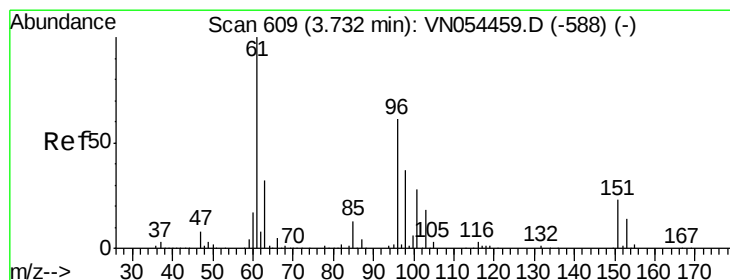
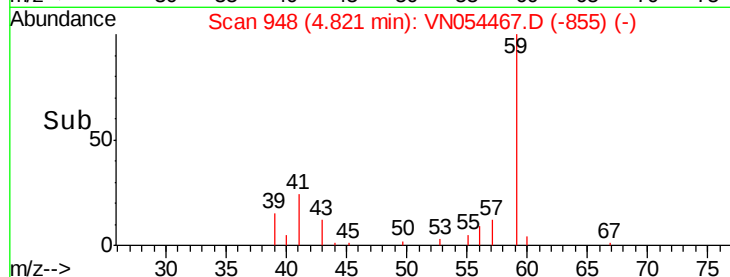
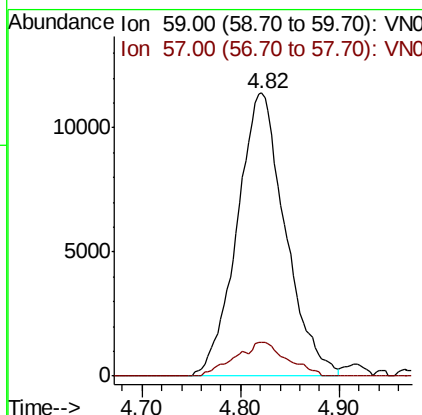
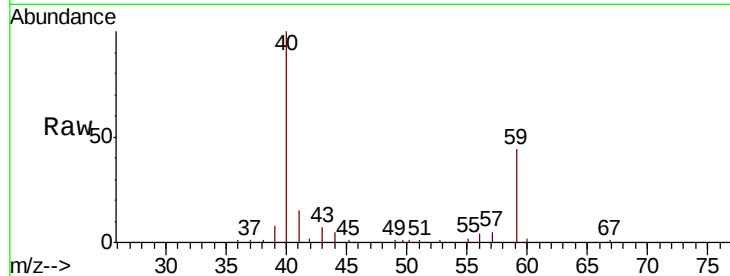
#11
Tert butyl alcohol
Concen: 98.340 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Instrument :
MSVOA_N
ClientSampled :
VN0320MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.9	9.0	13.6

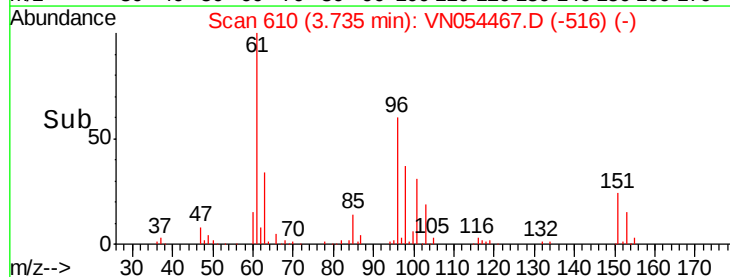
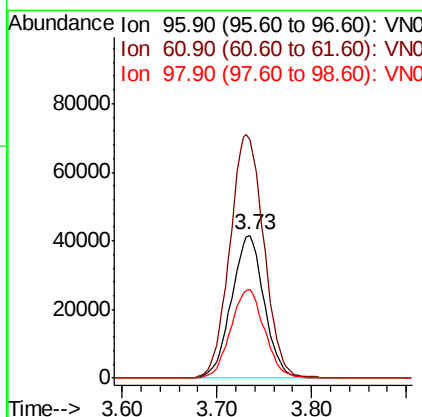
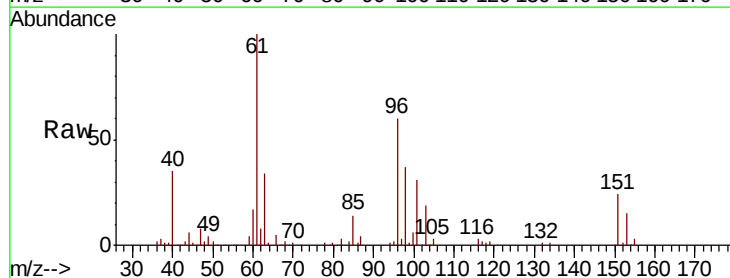
Manual Integrations
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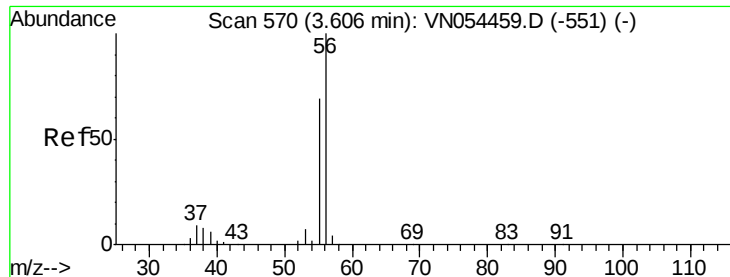
MMDadoda
3/22/2019 3:50:49 PM



#12
1,1-Dichloroethene
Concen: 19.949 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.1	116.5	174.7
98	61.9	51.0	76.4





#13

Acrolein

Concen: 104.503 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320MBS01

Tot Ion: 56 Resp: 56476

Ion Ratio Lower Upper

56 100

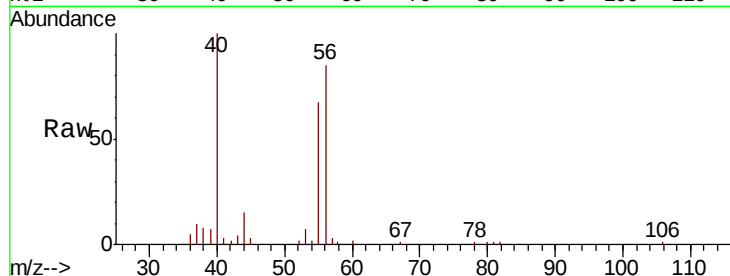
55 73.8 56.7 85.1

Manual Integrations

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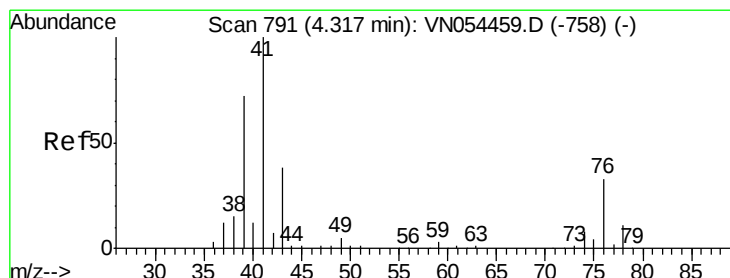
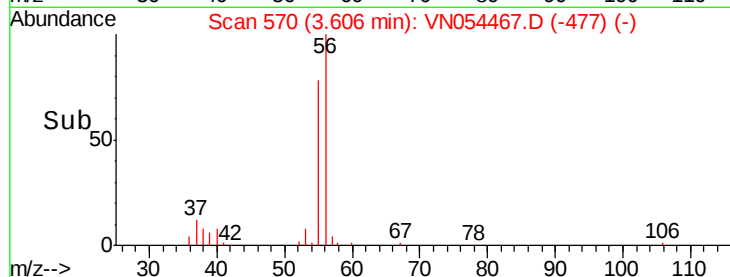
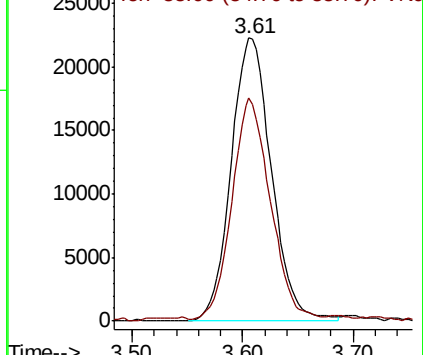
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.942 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

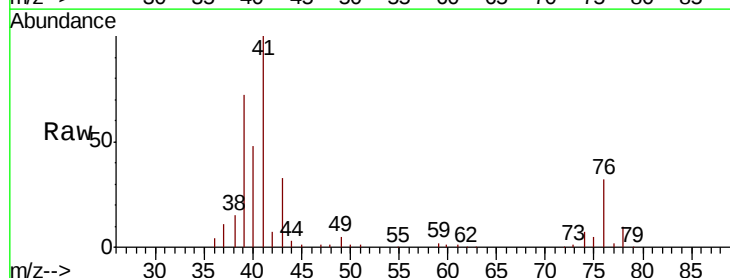
Tgt Ion: 41 Resp: 188359

Ion Ratio Lower Upper

41 100

39 71.1 58.2 87.4

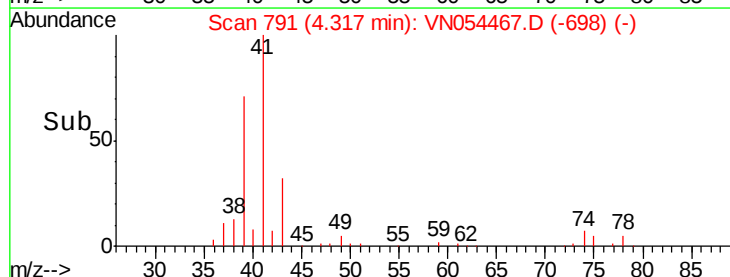
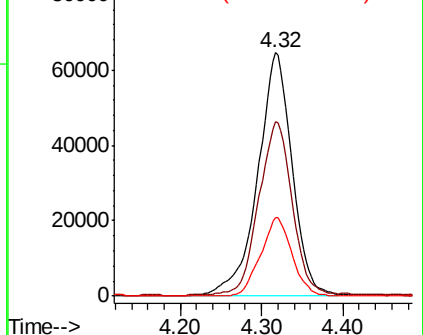
76 29.6 31.7 47.5#

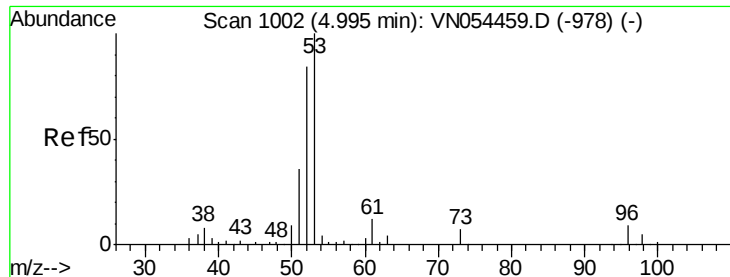


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 103.819 ug/l

RT: 4.99 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

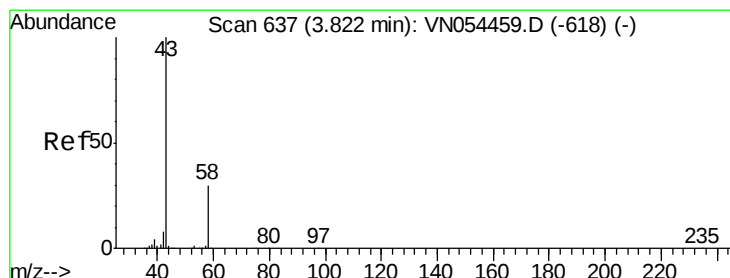
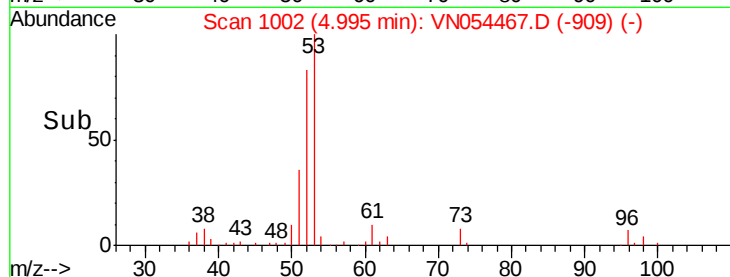
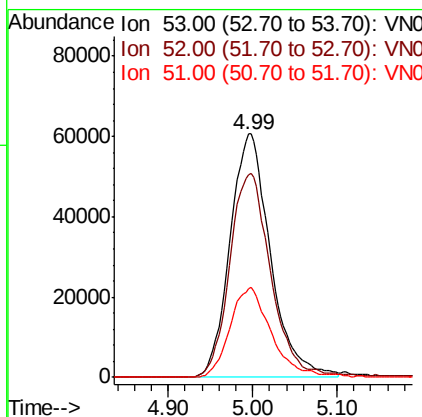
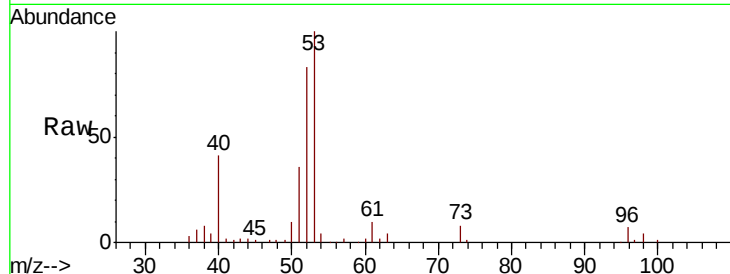
ClientSampleId :

VN0320MBS01

Tot Ion:	53	Resp:	202467
Ion	Ratio	Lower	Upper
53	100		
52	84.9	66.4	99.6
51	37.5	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 88.311 ug/l

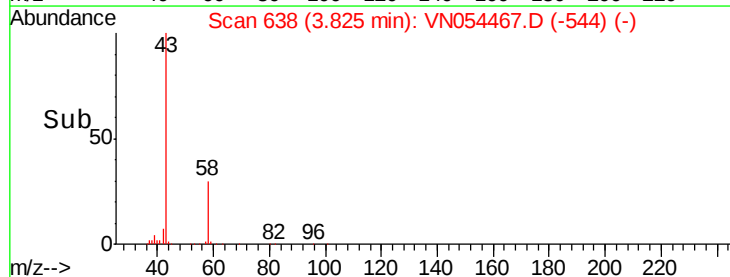
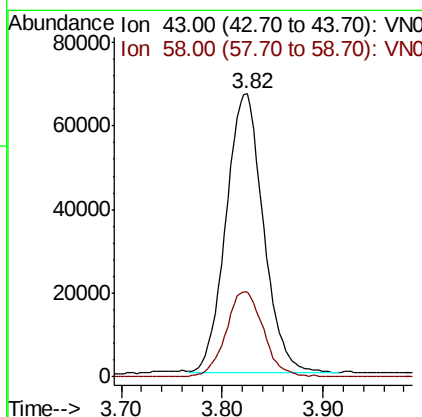
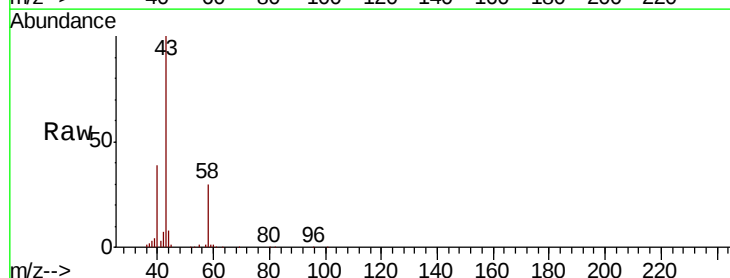
RT: 3.82 min Scan# 638

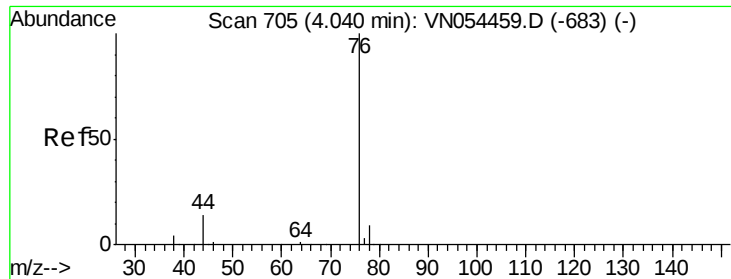
Delta R.T. 0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Tgt Ion:	43	Resp:	171741
Ion	Ratio	Lower	Upper
43	100		
58	30.4	29.9	44.9





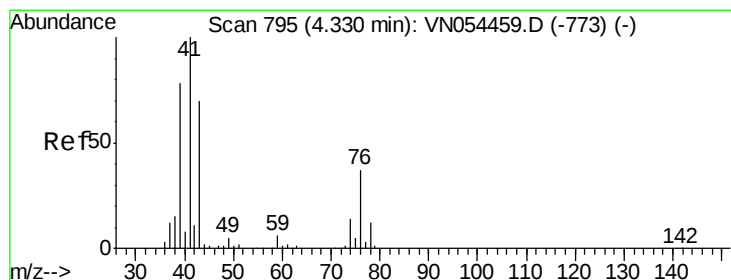
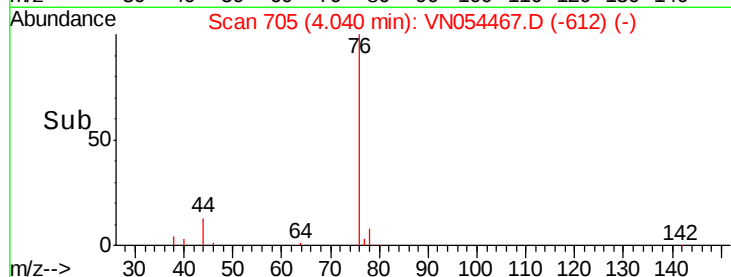
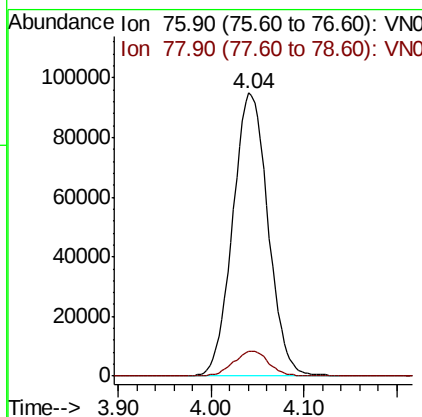
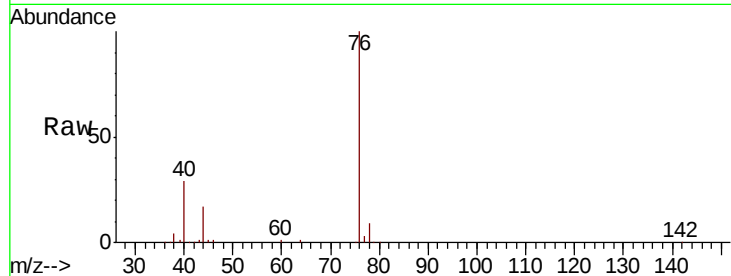
#17
Carbon Disulfide
Concen: 18.673 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.5	11.3

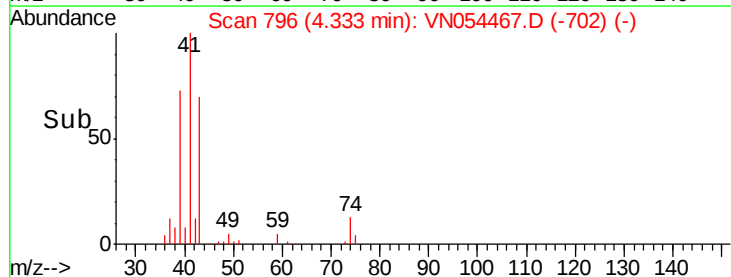
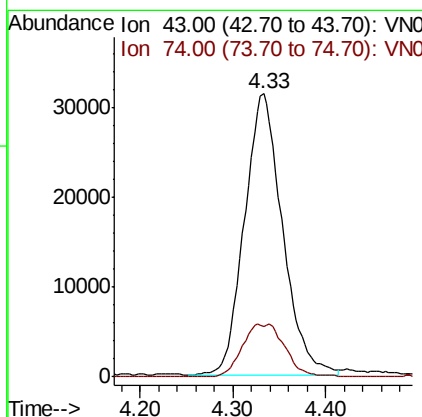
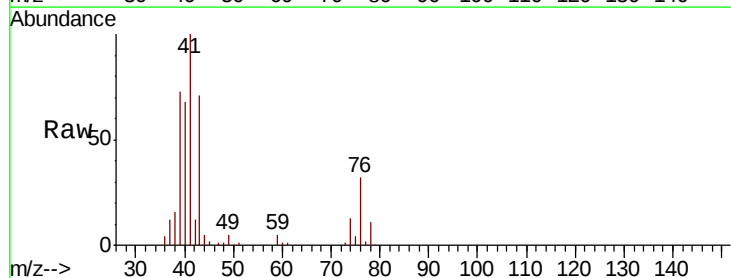
Manual Integrations
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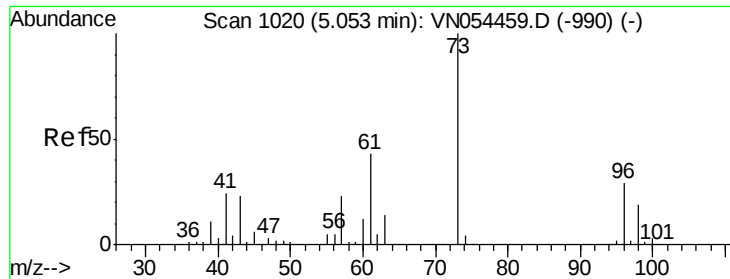
MMDadoda
3/22/2019 3:50:49 PM



#18
Methyl Acetate
Concen: 20.526 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	10.8	20.8	31.2#





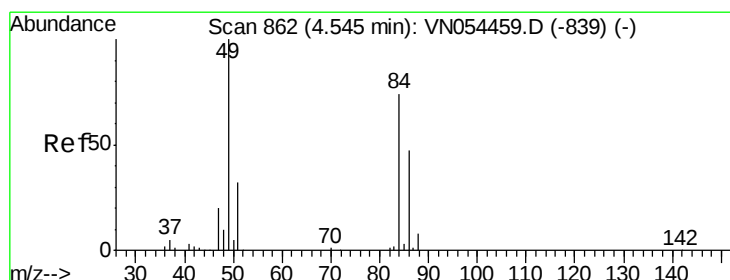
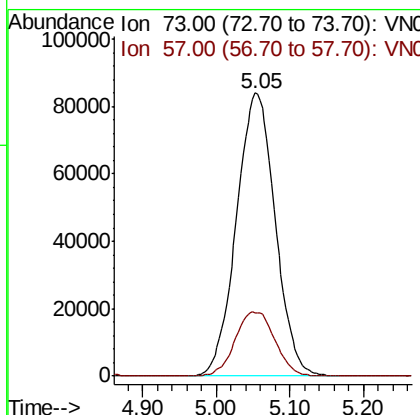
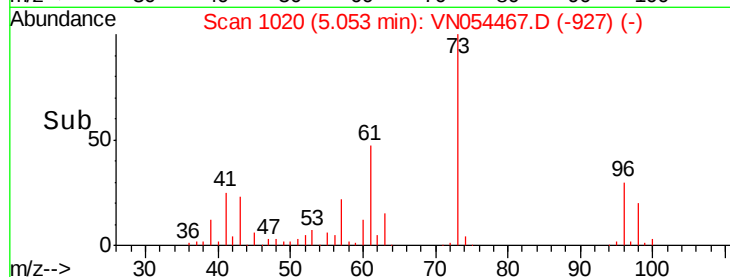
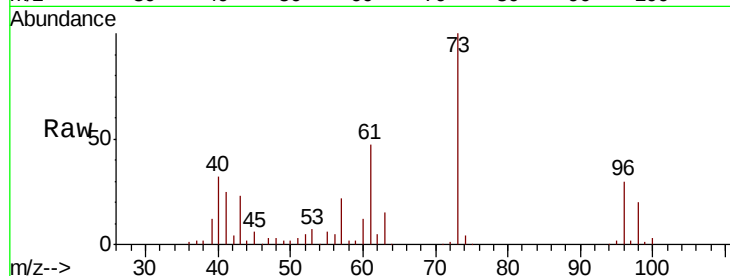
#19
Methyl tert-butyl Ether
Concen: 21.041 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320MBS01

Tot Ion: 73 Resp: 308011
Ion Ratio Lower Upper
73 100
57 22.4 16.8 25.2

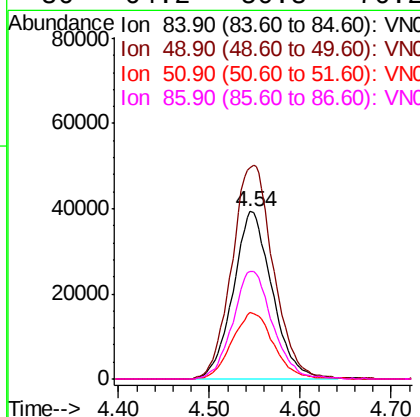
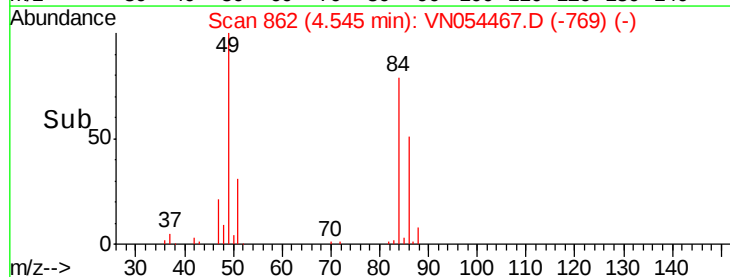
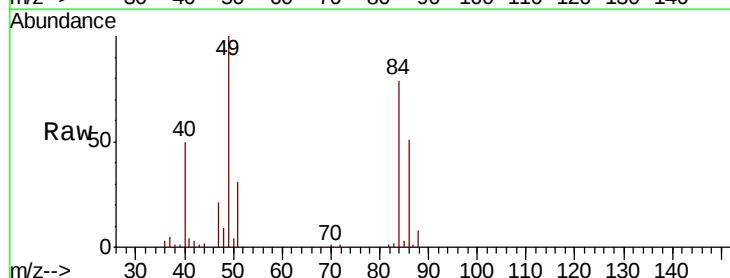
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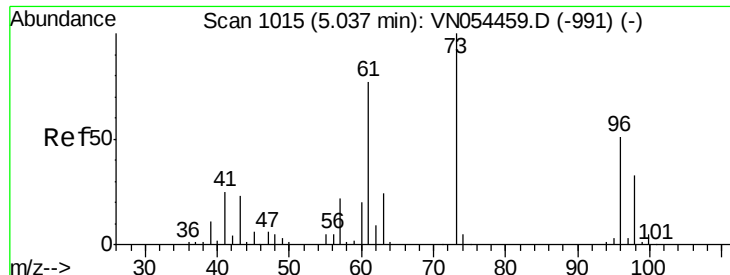
MMDadoda
3/22/2019 3:50:49 PM



#20
Methylene Chloride
Concen: 20.459 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Tgt Ion: 84 Resp: 117282
Ion Ratio Lower Upper
84 100
49 126.4 89.7 134.5
51 39.5 28.2 42.4
86 64.2 50.8 76.2





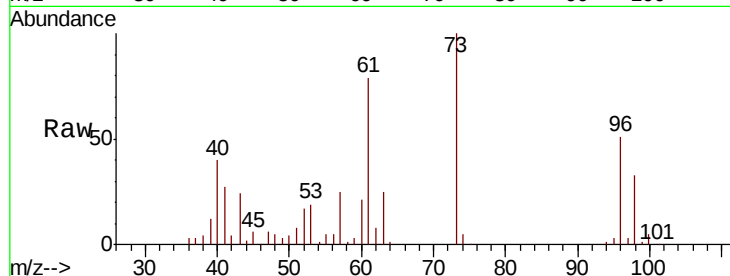
#21
trans-1,2-Dichloroethene
Concen: 20.846 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.2	102.8	154.2#
98	64.3	50.0	75.0

Manual Integrations
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3/22/2019 3:50:49 PM

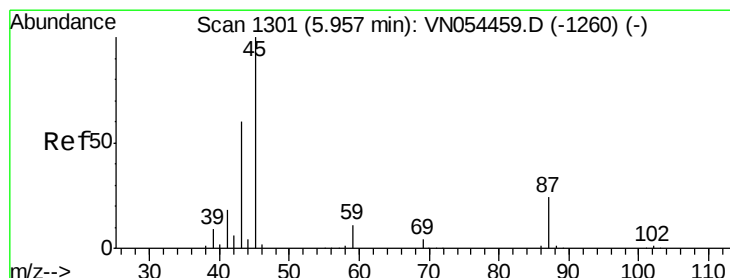
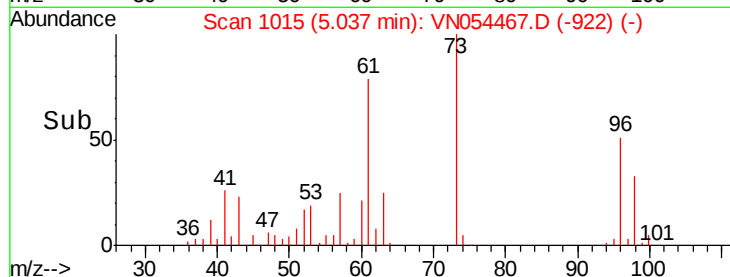
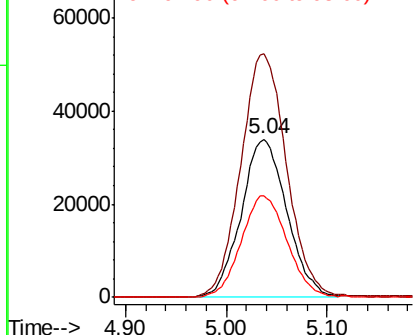


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 21.054 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.8	48.2	72.2
87	24.2	24.9	37.3#
59	10.4	9.5	14.3

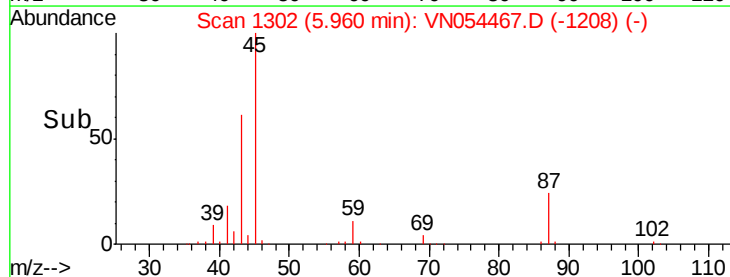
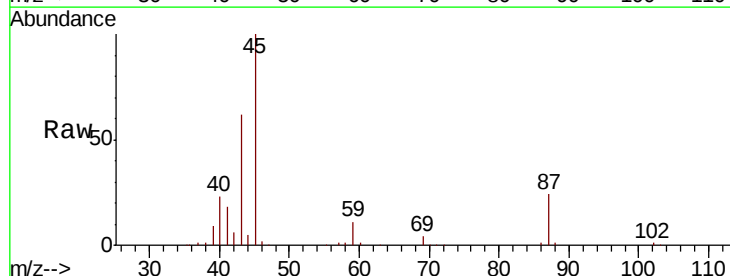
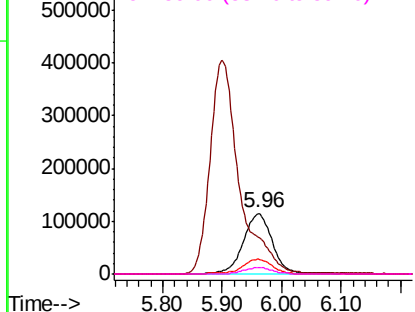
Abundance

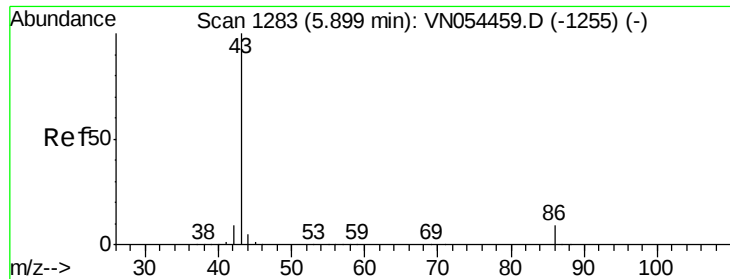
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





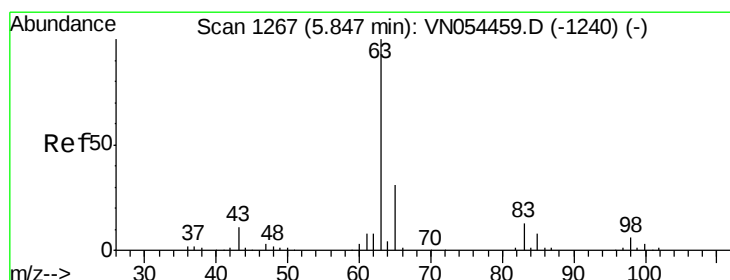
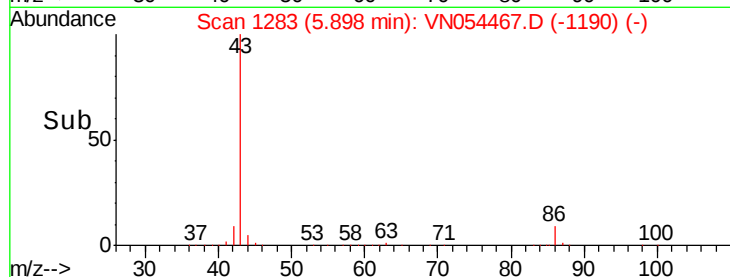
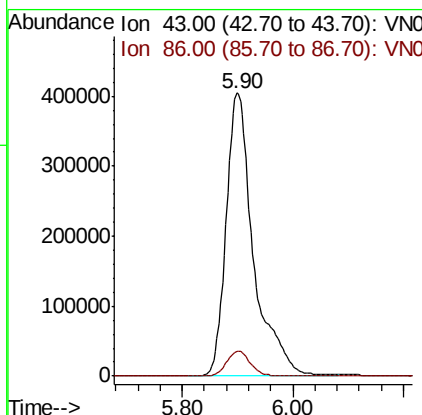
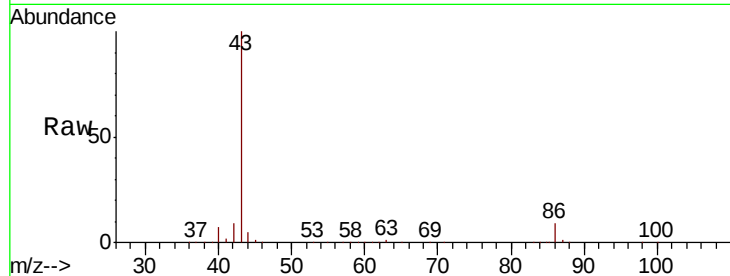
#23
 Vinyl Acetate
 Concen: 106.035 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054467.D
 Acq: 20 Mar 2019 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320MBS01

Tot Ion: 43 Resp: 1395232
 Ion Ratio Lower Upper
 43 100
 86 8.7 9.1 13.7#

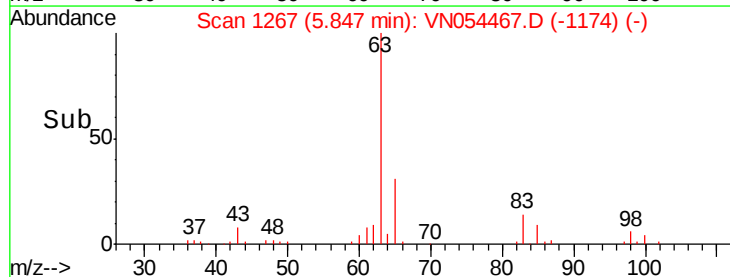
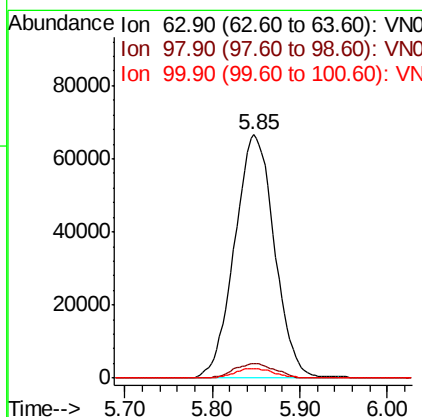
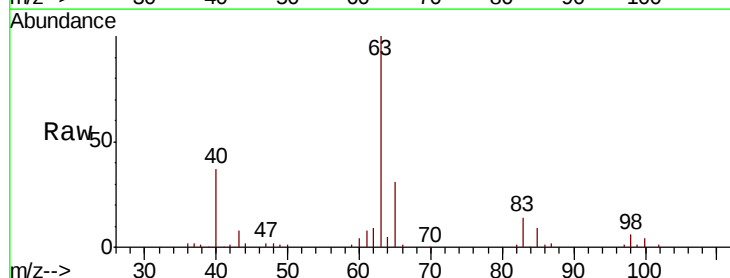
Manual Integrations
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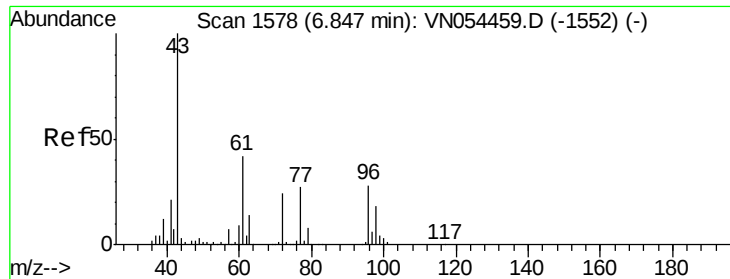
MMDadoda
 3/22/2019 3:50:49 PM



#24
 1,1-Dichloroethane
 Concen: 20.982 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054467.D
 Acq: 20 Mar 2019 16:55

Tgt Ion: 63 Resp: 210481
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.5 10.5
 100 3.9 2.0 6.0





#25

2-Butanone

Concen: 103.109 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320MBS01

Tot Ion: 43 Resp: 256865

Ion Ratio Lower Upper

43 100

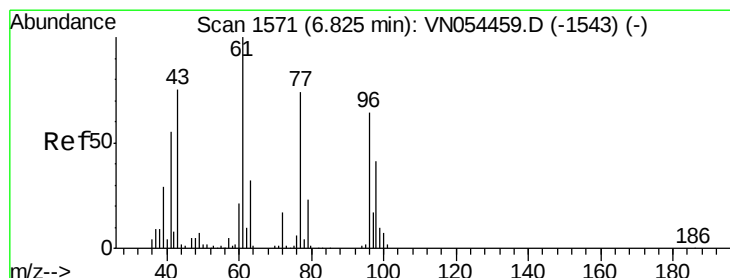
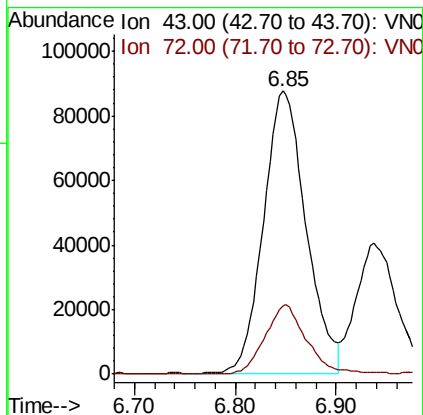
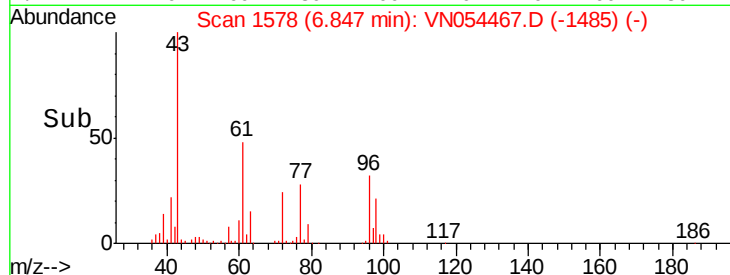
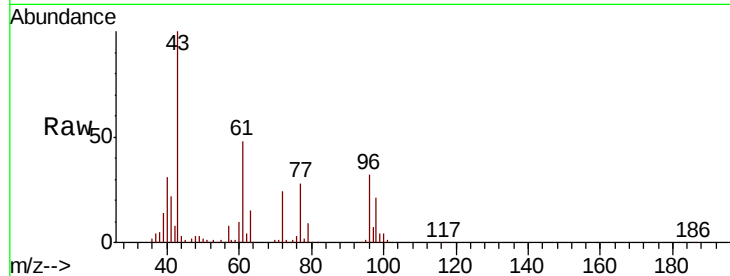
72 24.2 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.942 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054467.D

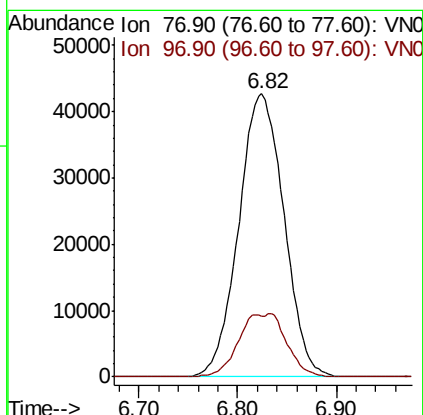
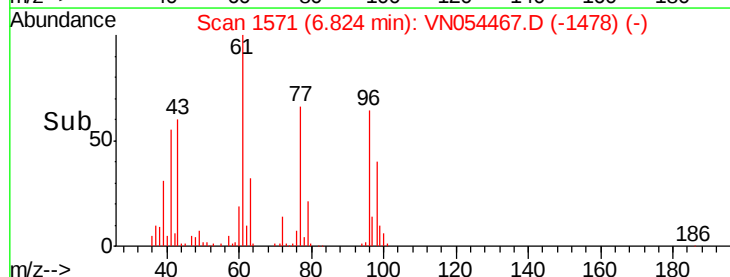
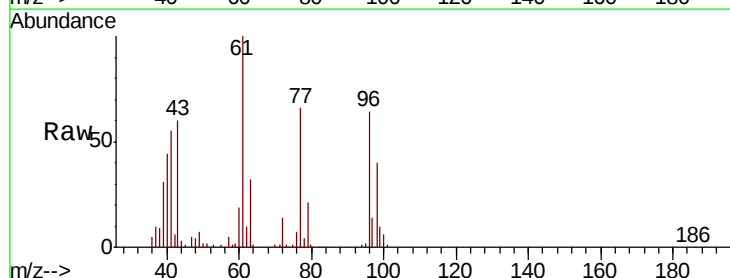
Acq: 20 Mar 2019 16:55

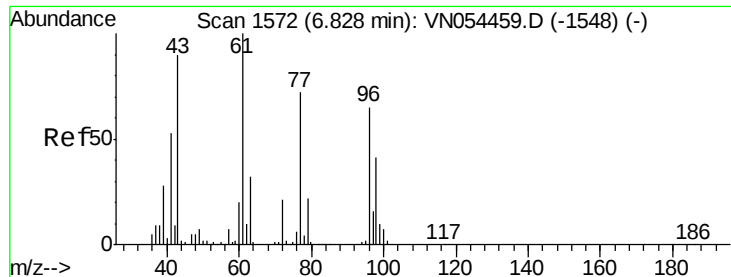
Tgt Ion: 77 Resp: 135450

Ion Ratio Lower Upper

77 100

97 12.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.639 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

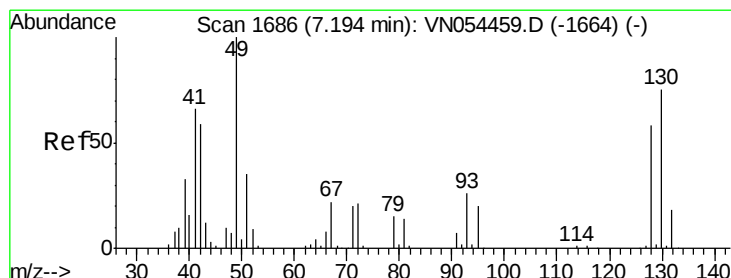
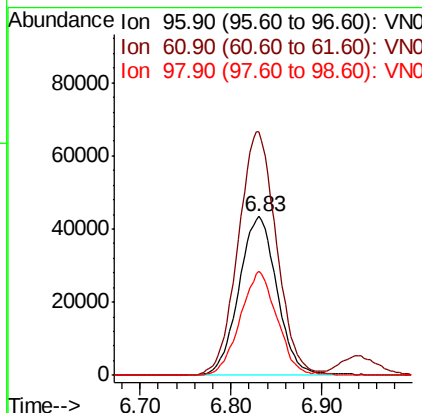
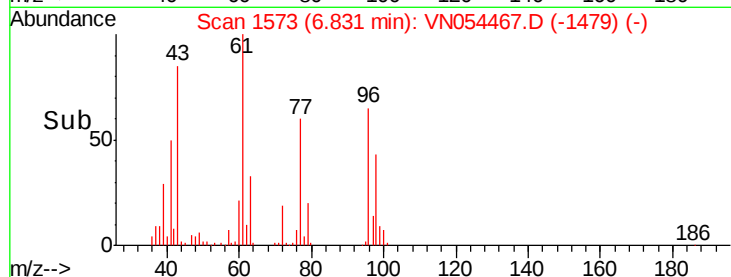
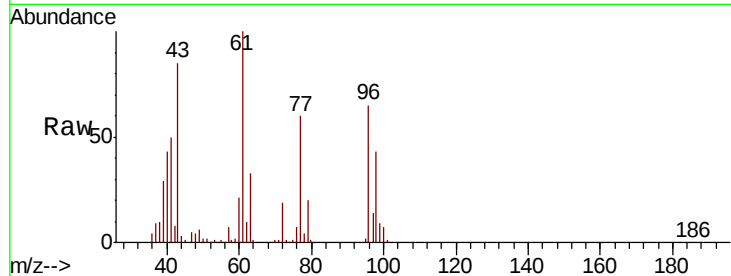
ClientSampleId :

VN0320MBS01

Tot Ion:	96	Resp:	126085
Ion Ratio	Lower	Upper	
96	100		
61	154.3	0.0	273.0
98	63.6	0.0	130.6

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#28

Bromochloromethane

Concen: 20.748 ug/l

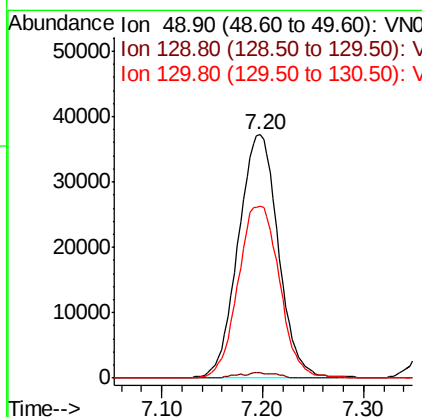
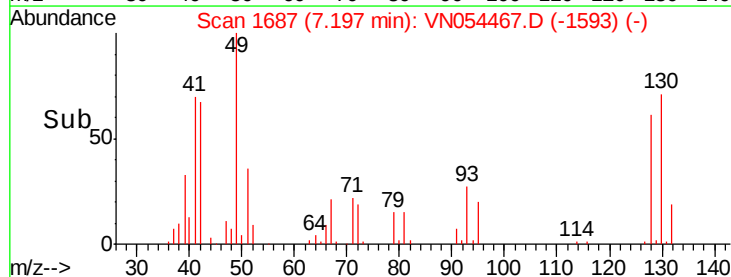
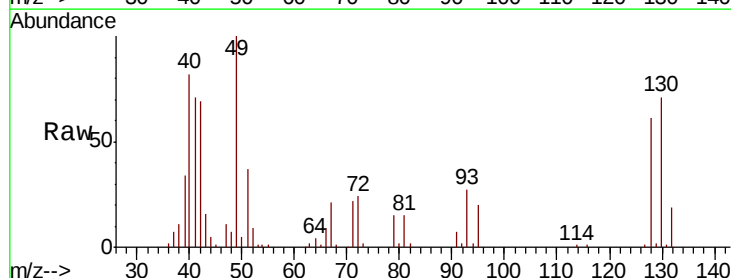
RT: 7.20 min Scan# 1687

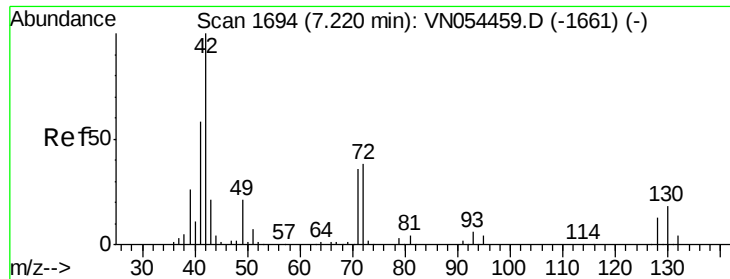
Delta R.T. 0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Tgt Ion:	49	Resp:	102445
Ion Ratio	Lower	Upper	
49	100		
129	1.5	0.0	4.6
130	73.1	76.7	115.1#





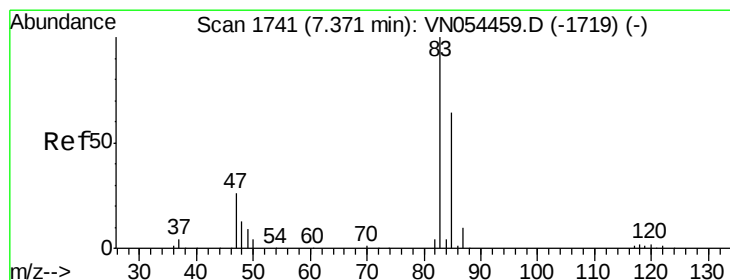
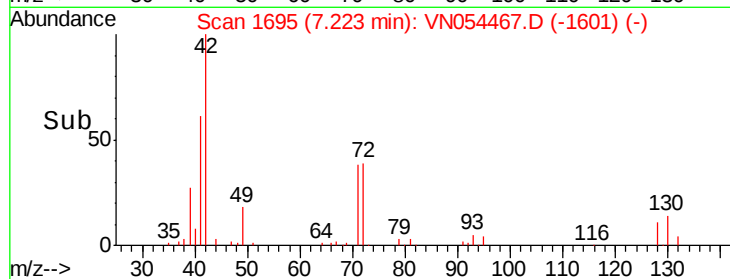
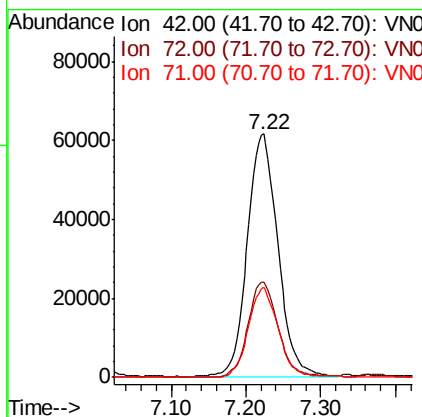
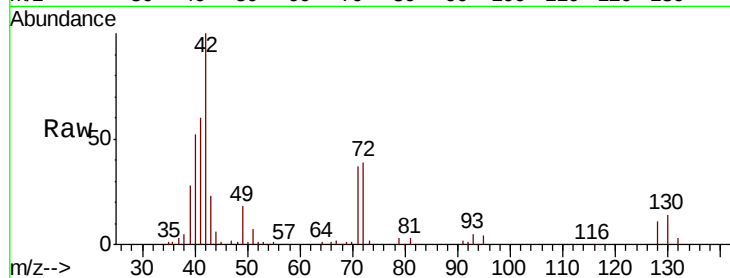
#29
Tetrahydrofuran
Concen: 109.731 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	37.8	56.6
71	35.5	36.2	54.2

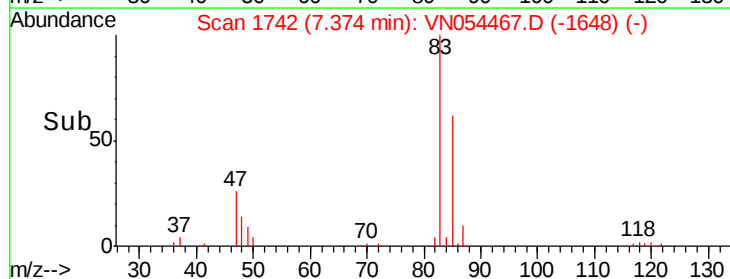
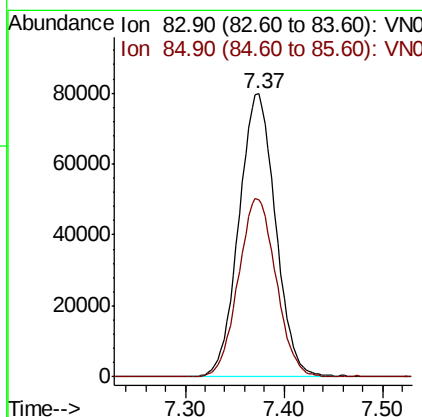
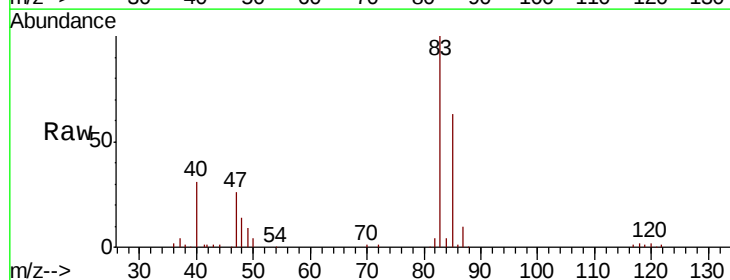
Manual Integrations
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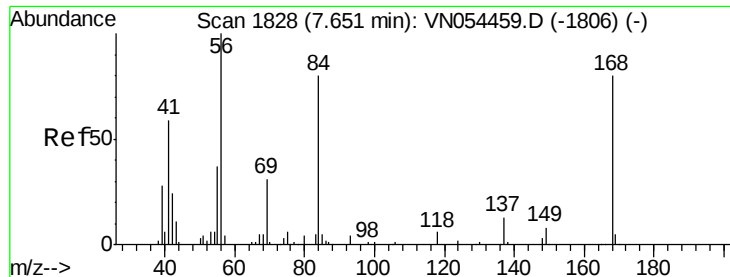
MMDadoda
3/22/2019 3:50:49 PM



#30
Chloroform
Concen: 20.975 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.2	78.4





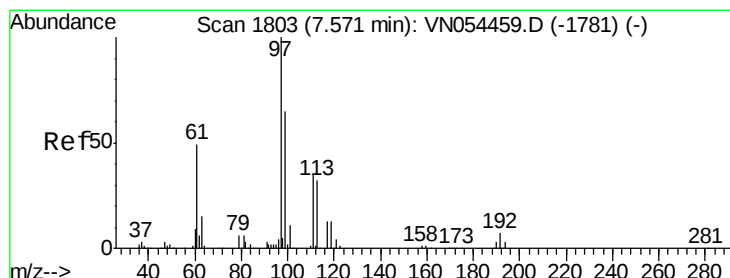
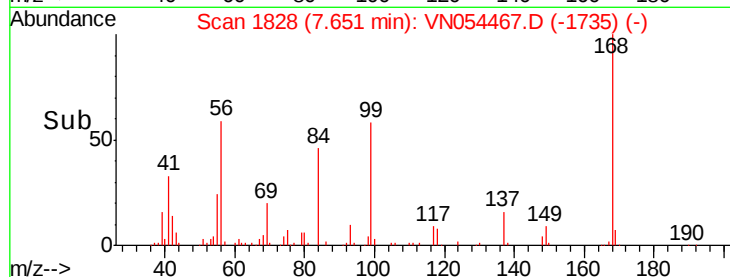
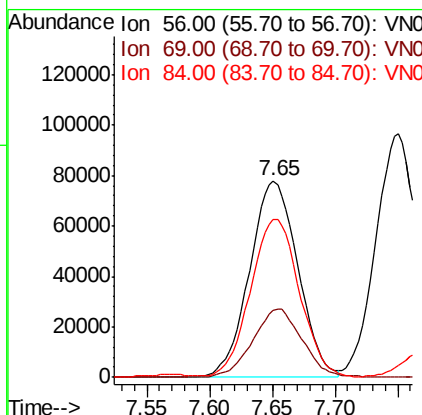
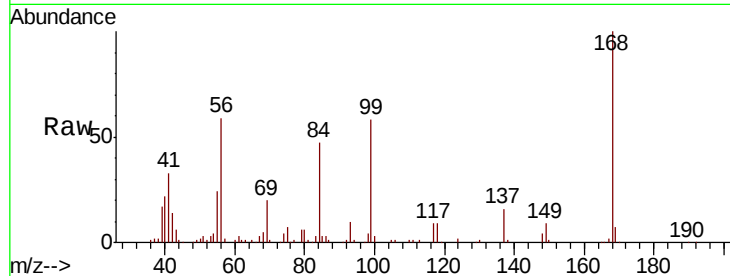
#31
Cyclohexane
Concen: 20.666 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	27.8	41.6
84	79.3	74.6	111.8

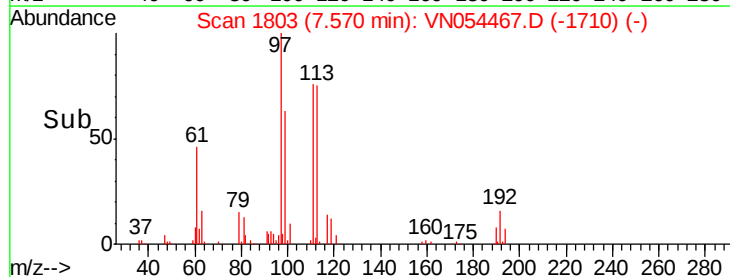
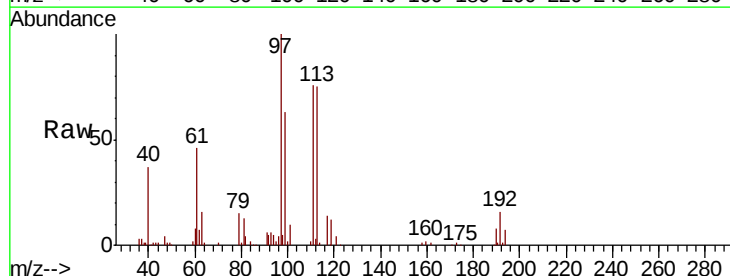
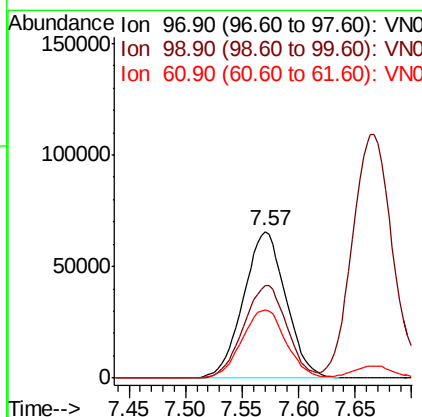
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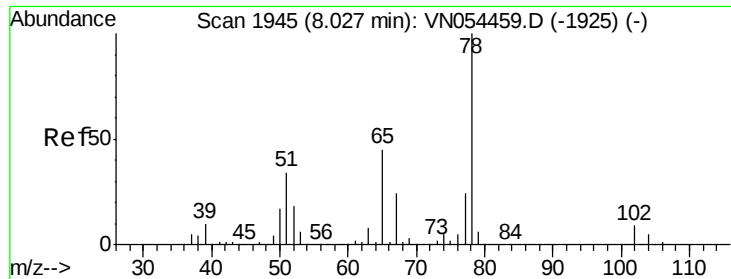
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.174 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.5	77.3
61	48.3	33.6	50.4





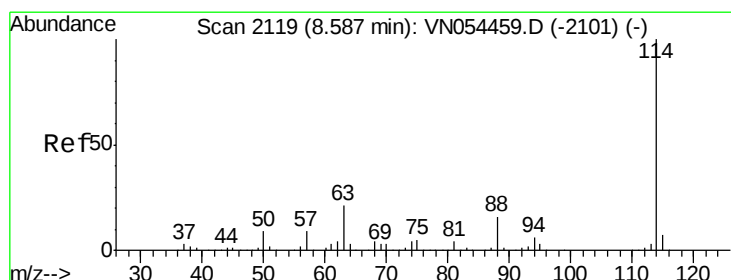
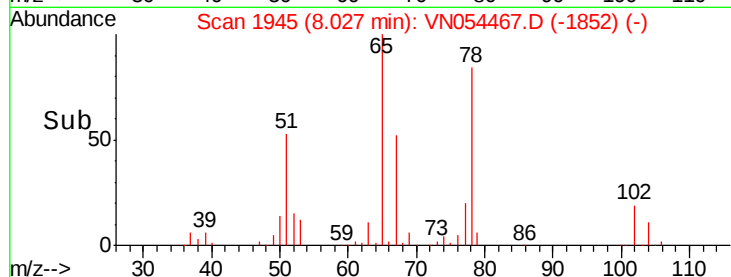
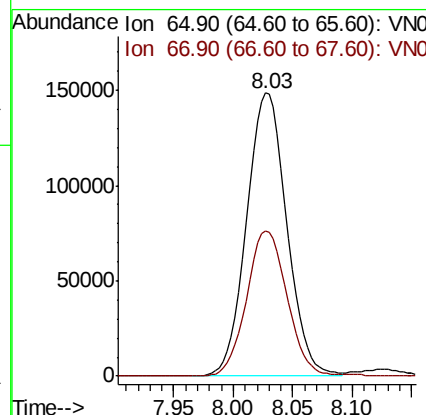
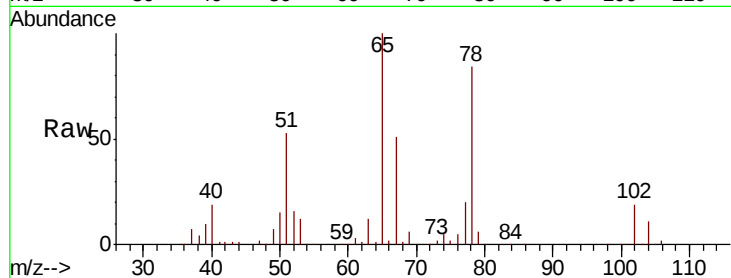
#33
 1,2-Dichloroethane-d4
 Concen: 53.806 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054467.D
 Acq: 20 Mar 2019 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	104.6	

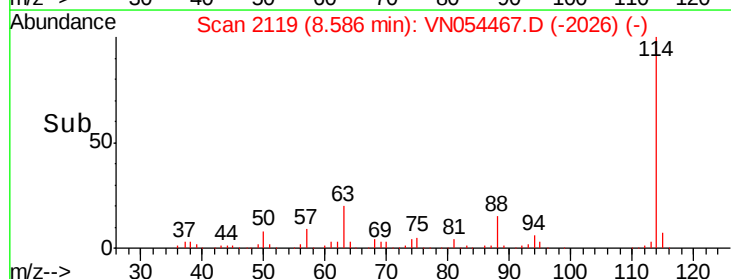
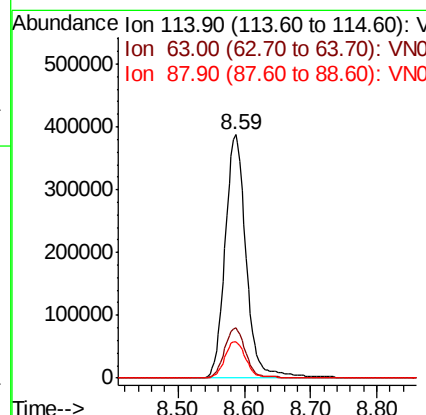
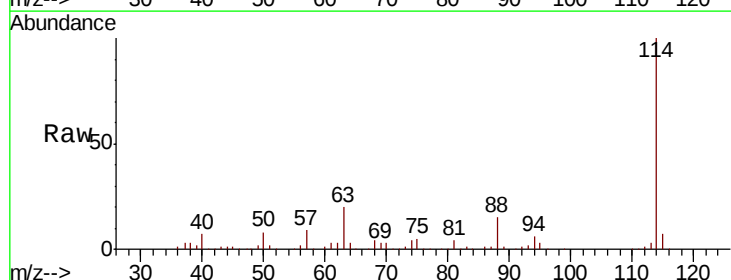
Manual Integrations
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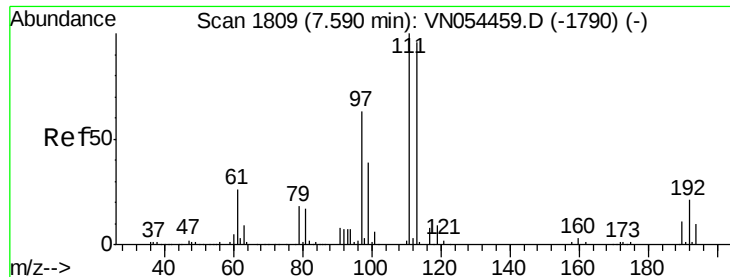
MMDadoda
 3/22/2019 3:50:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054467.D
 Acq: 20 Mar 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.5	0.0	35.2	
88	15.1	0.0	30.2	





#35

Dibromofluoromethane

Concen: 50.058 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

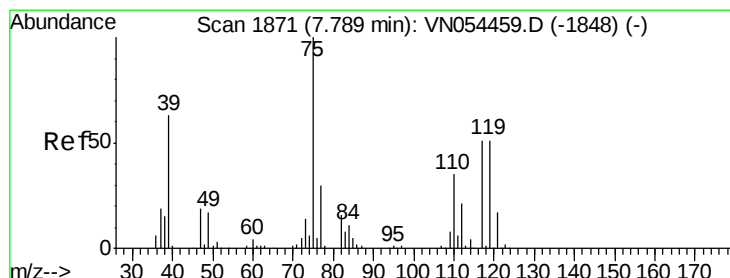
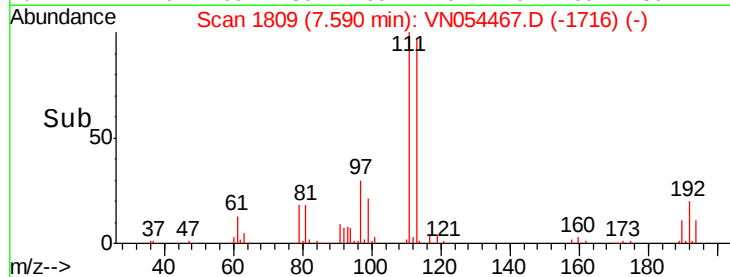
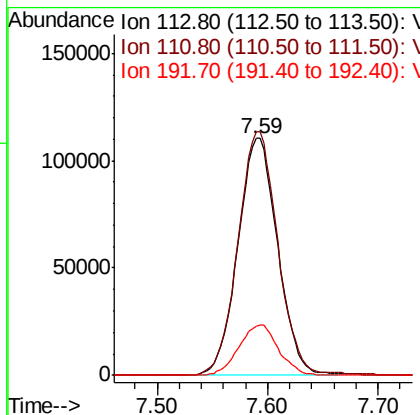
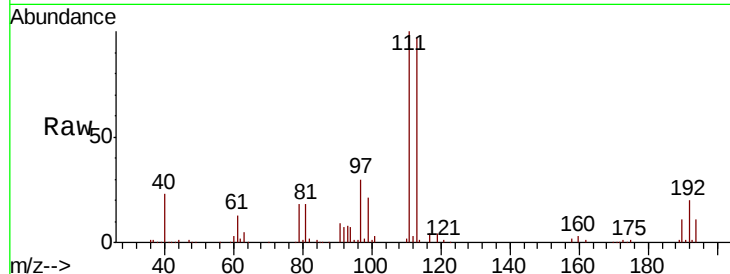
ClientSampleId :

VN0320MBS01

Tot Ion:	113	Resp:	275616
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.2	123.4
192	21.1	19.2	28.8

Manual Integrations
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3/22/2019 3:50:49 PM



#36

1,1-Dichloropropene

Concen: 19.451 ug/l

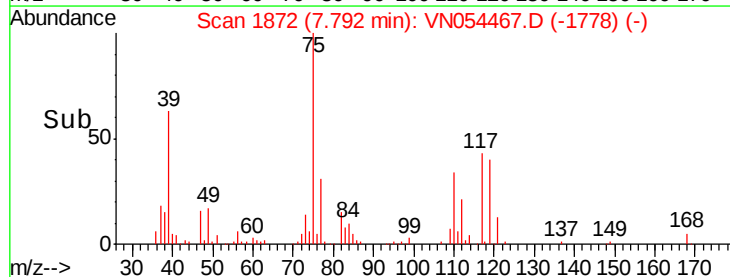
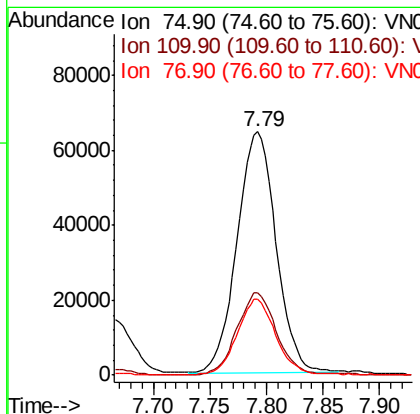
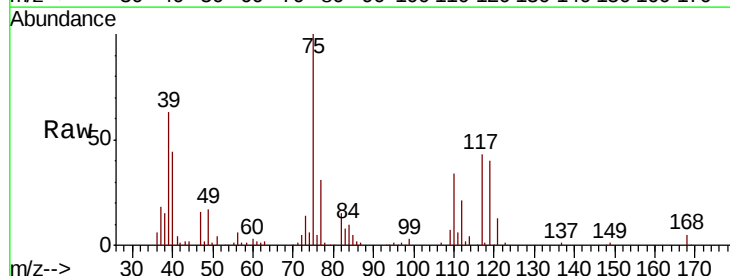
RT: 7.79 min Scan# 1872

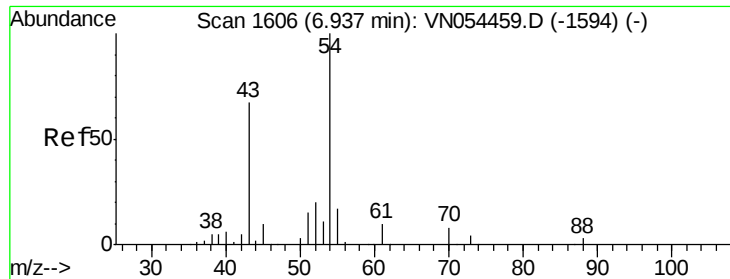
Delta R.T. 0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Tgt Ion:	75	Resp:	155428
Ion Ratio	Lower	Upper	
75	100		
110	34.5	19.1	57.5
77	31.0	25.0	37.4





#37

Ethyl Acetate

Concen: 19.894 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

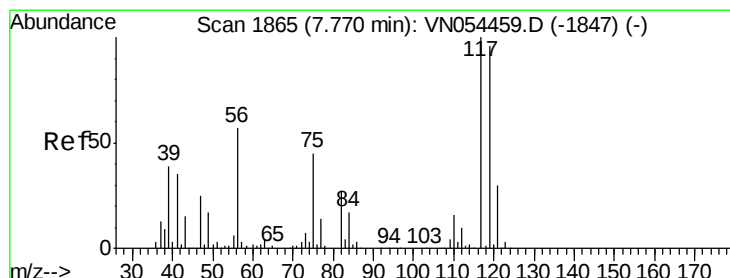
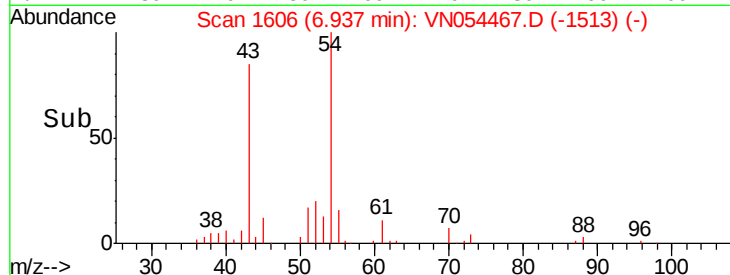
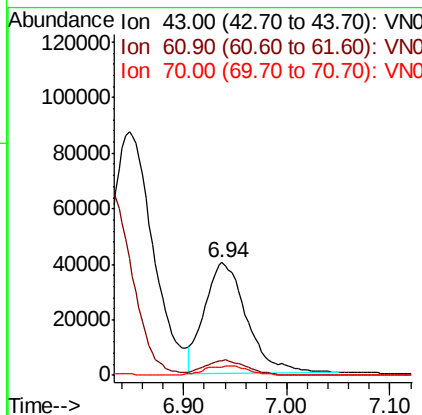
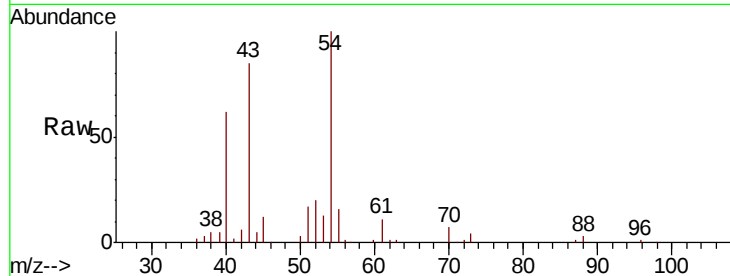
ClientSampleId :

VN0320MBS01

Tot Ion:	43	Resp:	113063
Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.8	17.6
70	9.1	8.4	12.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.080 ug/l

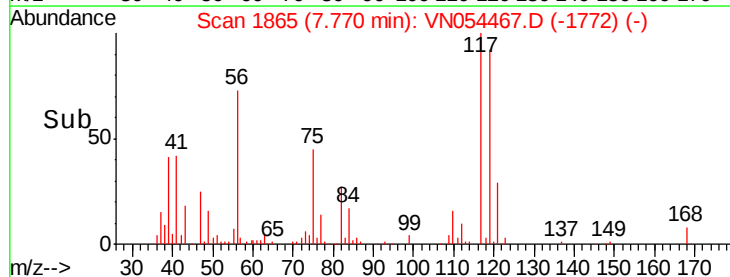
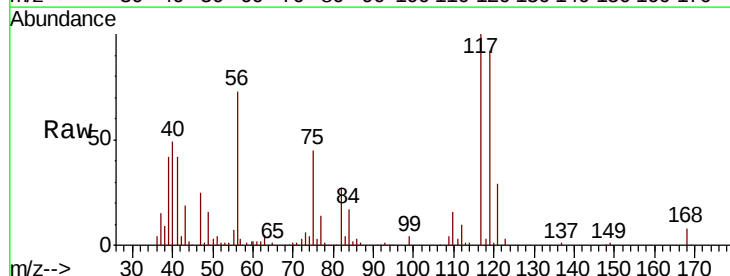
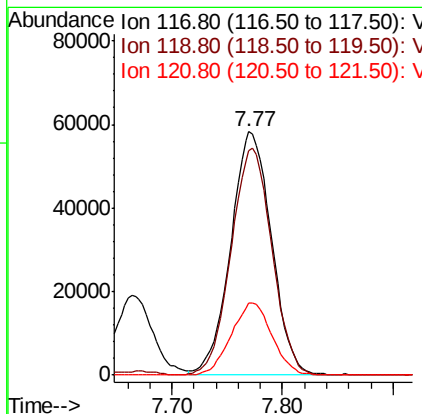
RT: 7.77 min Scan# 1865

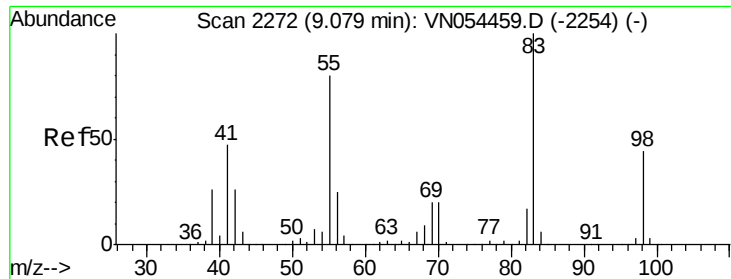
Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Tgt Ion:	117	Resp:	148158
Ion	Ratio	Lower	Upper
117	100		
119	92.4	76.3	114.5
121	29.5	24.6	36.8





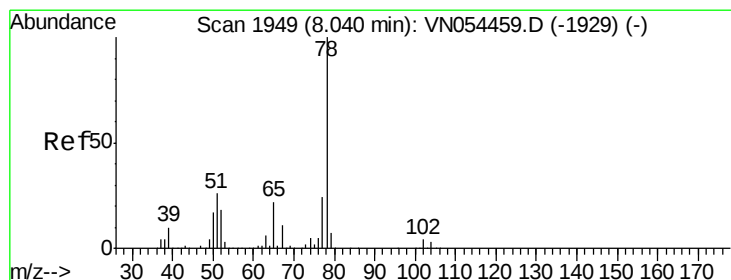
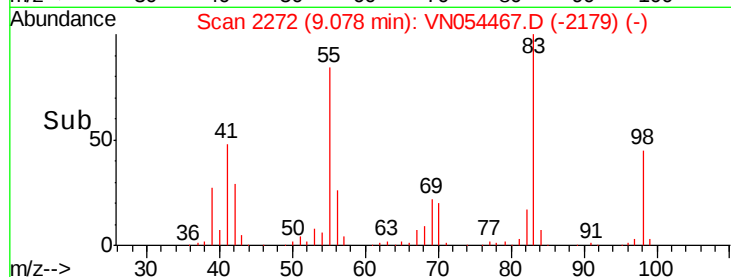
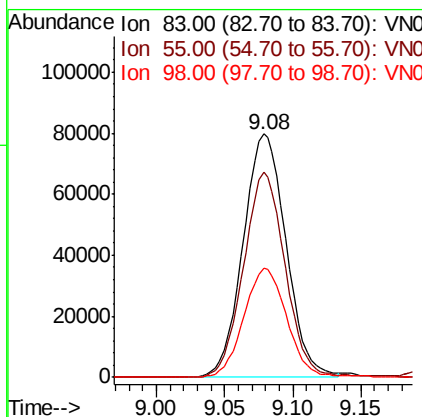
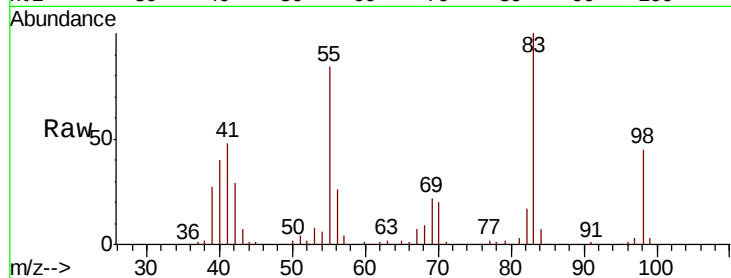
#39
Methvlcvclohexane
Concen: 19.057 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320MBS01

Tot Ion	83	Resp	174196
Ion Ratio	Lower	Upper	
83	100		
55	84.4	56.6	84.8
98	44.6	38.4	57.6

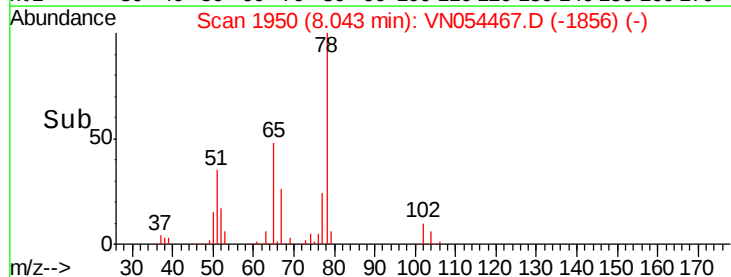
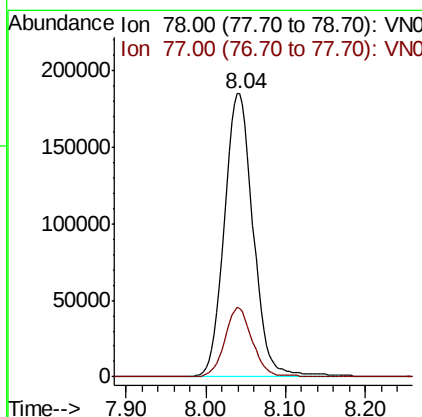
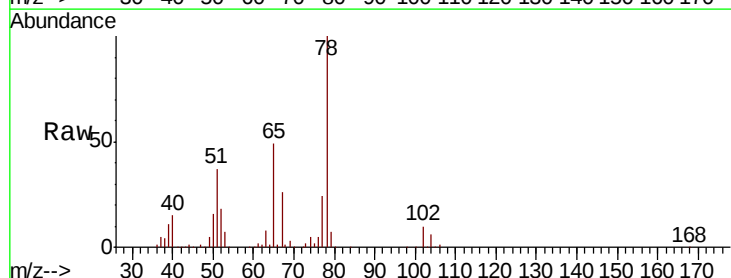
Manual Integrations
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3/22/2019 3:50:49 PM



#40
Benzene
Concen: 20.057 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Tgt Ion	78	Resp	458296
Ion Ratio	Lower	Upper	
78	100		
77	24.3	19.1	28.7





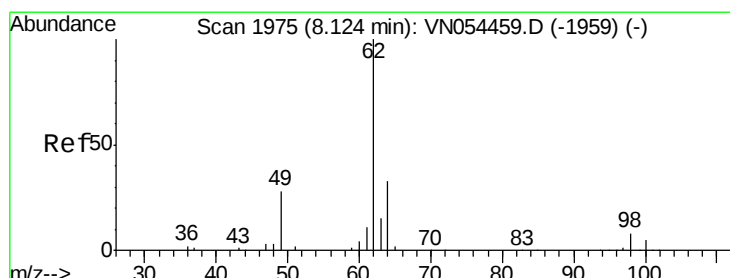
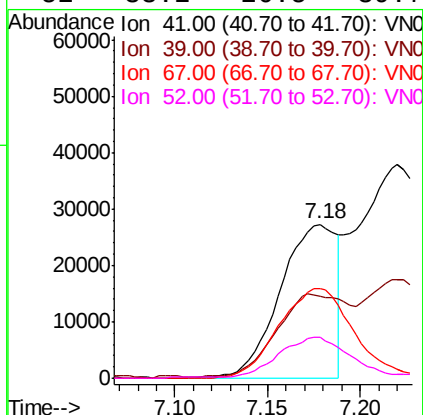
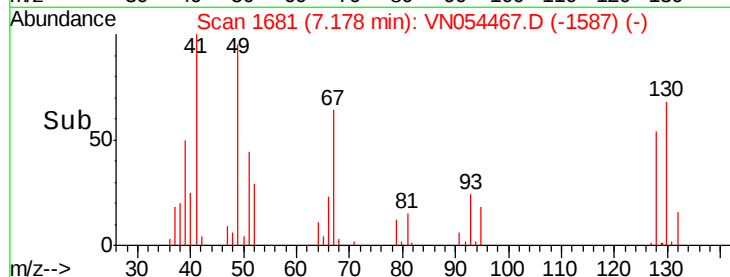
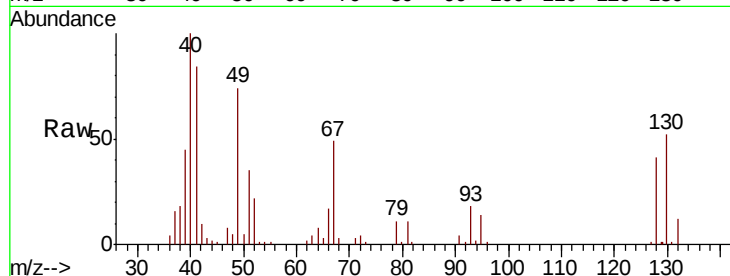
#41
Methacrylonitrile
Concen: 16.652 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Instrument :
MSVOA_N
ClientSampled :
VN0320MBS01

Tot Ion:	41	Resp:	57715
Ion	Ratio	Lower	Upper
41	100		
39	69.0	46.8	70.2
67	77.6	67.0	100.4
52	33.2	26.5	39.7

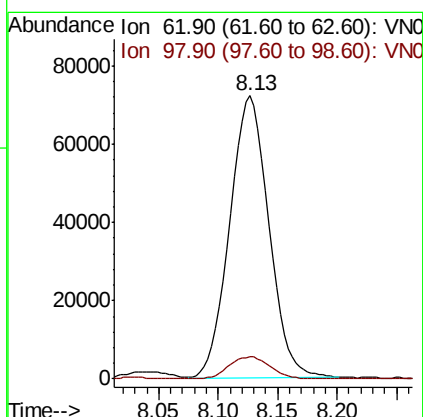
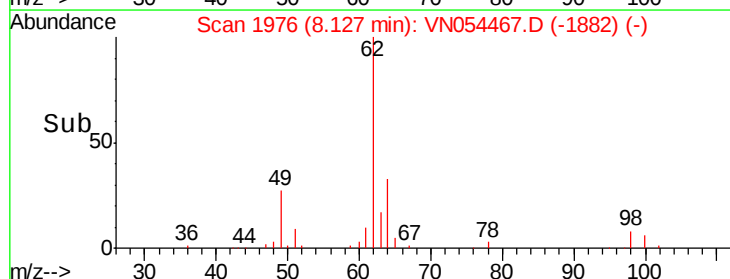
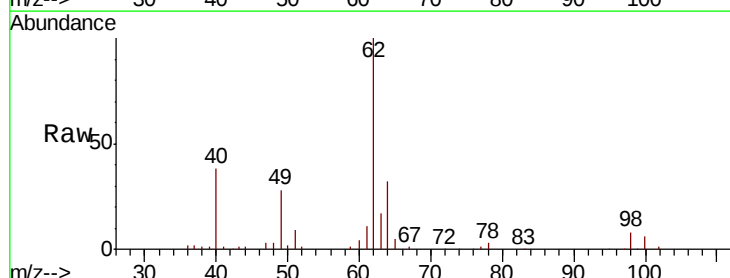
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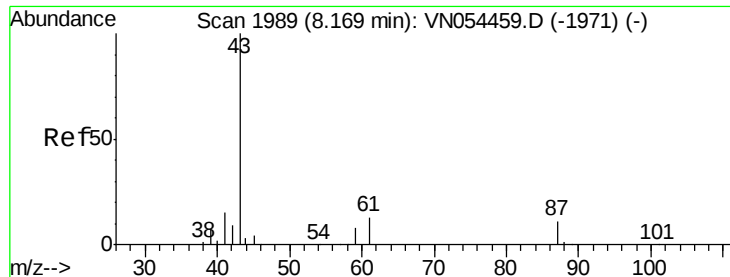
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.774 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Tgt Ion:	62	Resp:	164547
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.4





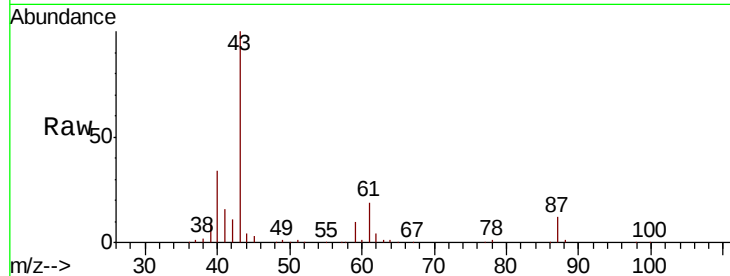
#43
Isopropyl Acetate
Concen: 19.795 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320MBS01

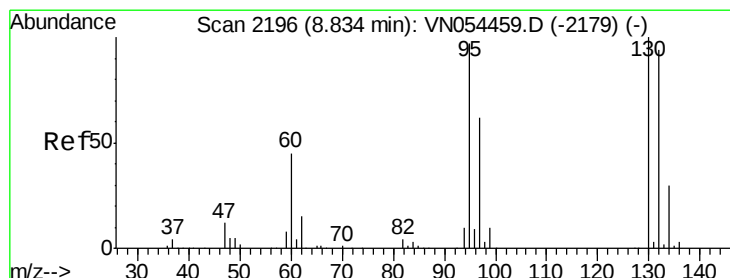
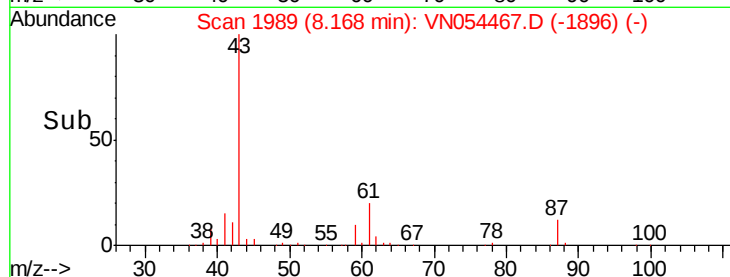
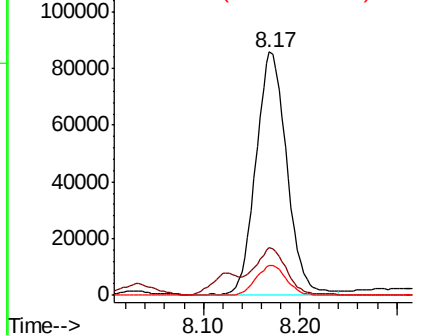
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.8	23.8
87	12.2	12.0	18.0

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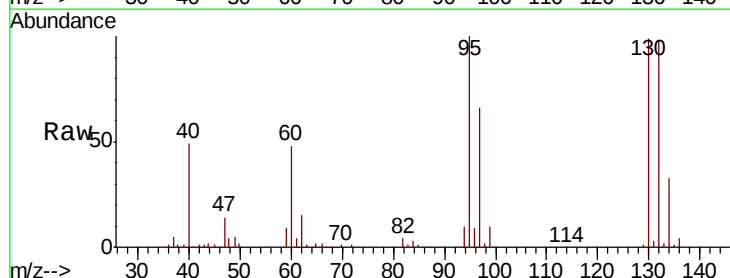


Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

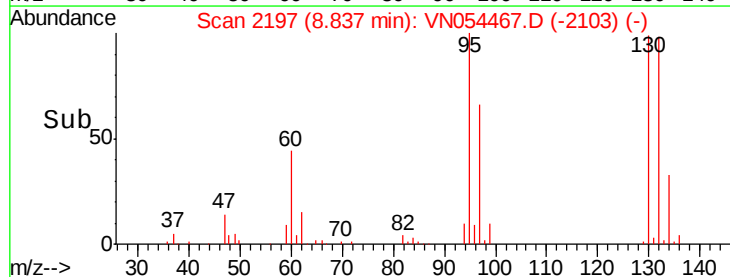
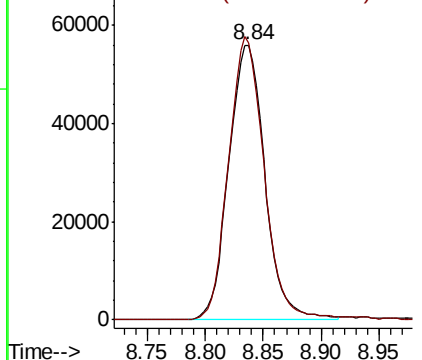


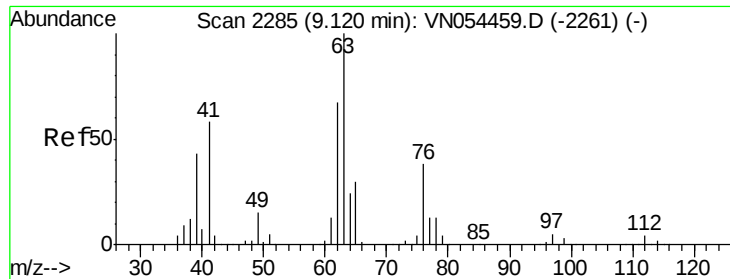
#44
Trichloroethene
Concen: 19.066 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	185.2



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





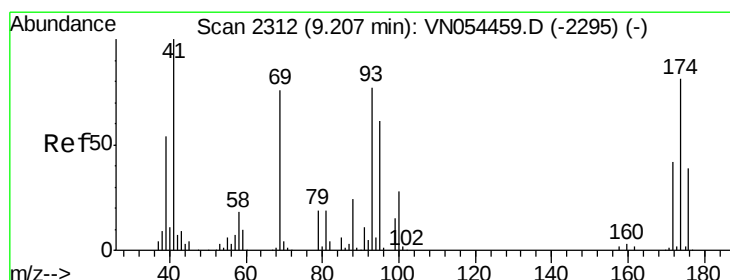
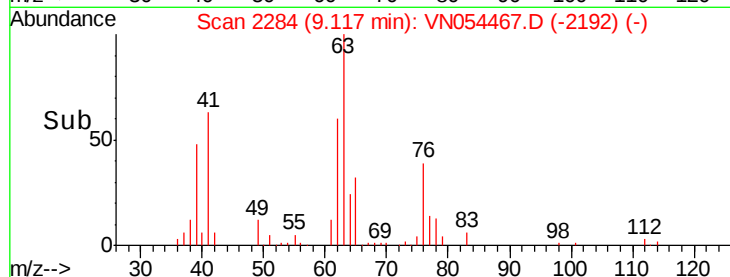
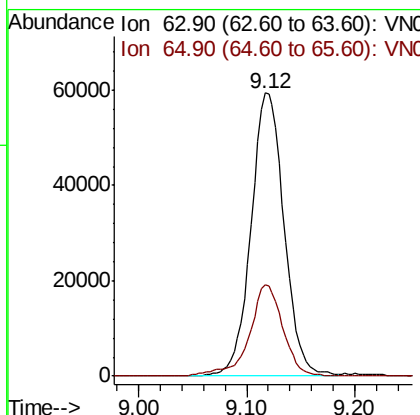
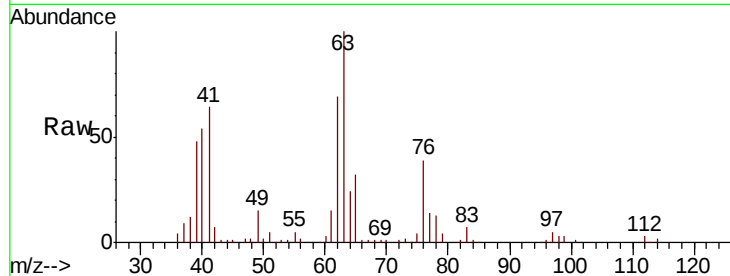
#45
 1,2-Dichloropropane
 Concen: 20.588 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054467.D
 Acq: 20 Mar 2019 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320MBS01

Tot Ion: 63 Resp: 126322
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.0 37.6

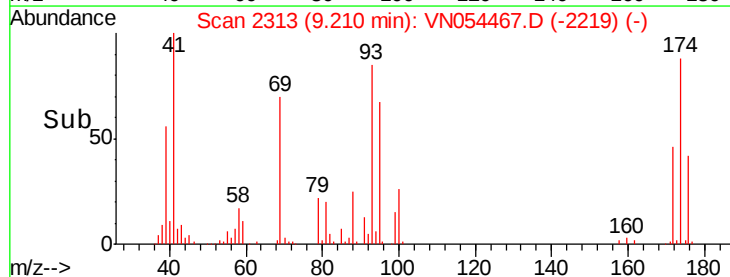
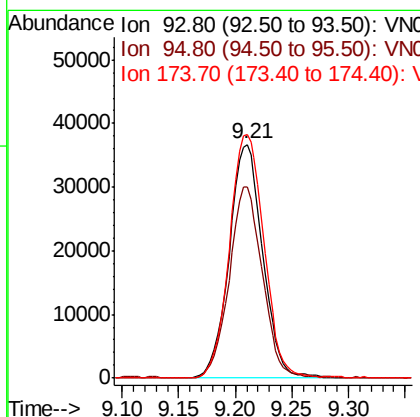
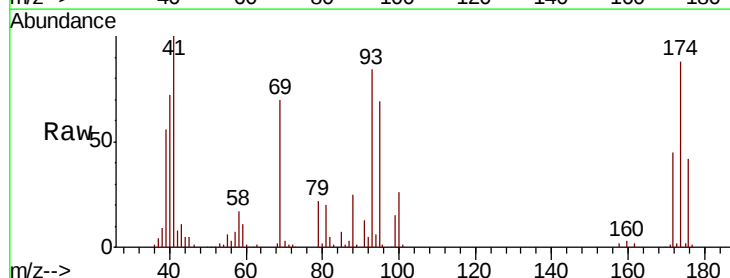
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#46
 Dibromomethane
 Concen: 20.744 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054467.D
 Acq: 20 Mar 2019 16:55

Tgt Ion: 93 Resp: 75933
 Ion Ratio Lower Upper
 93 100
 95 80.7 66.7 100.1
 174 107.0 98.5 147.7





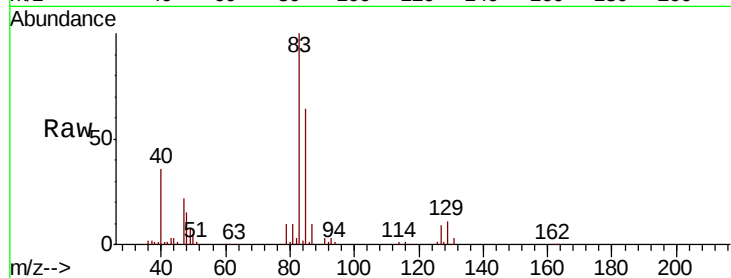
#47
Bromodichloromethane
Concen: 19.775 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320MBS01

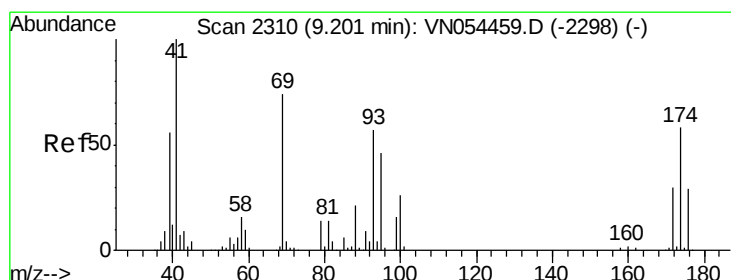
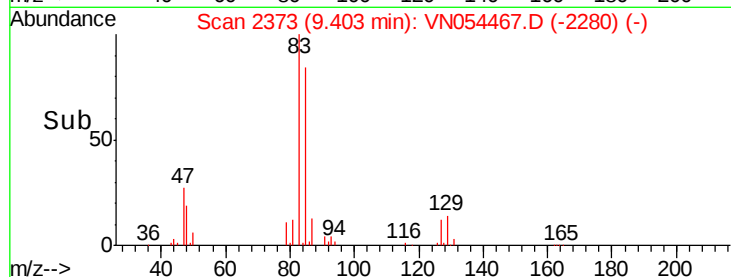
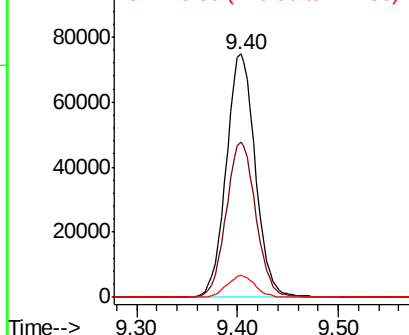
Tot Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.8	79.2
127	8.9	7.4	11.2

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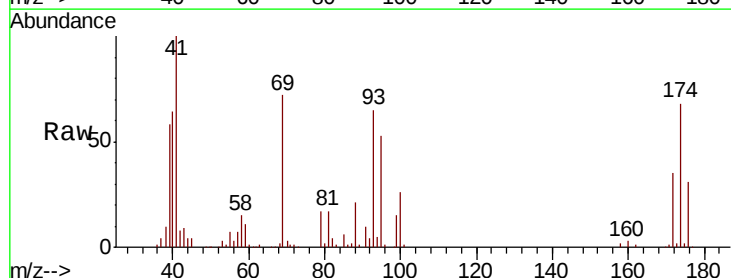


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

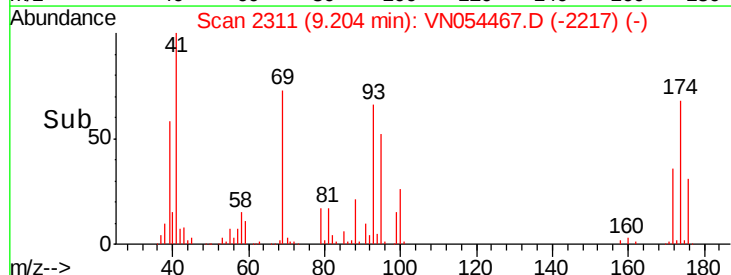
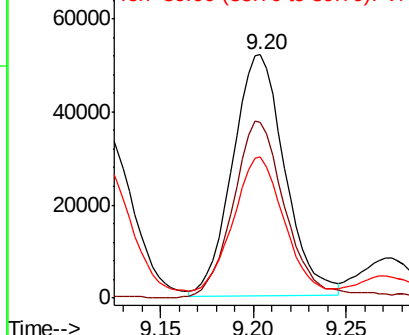


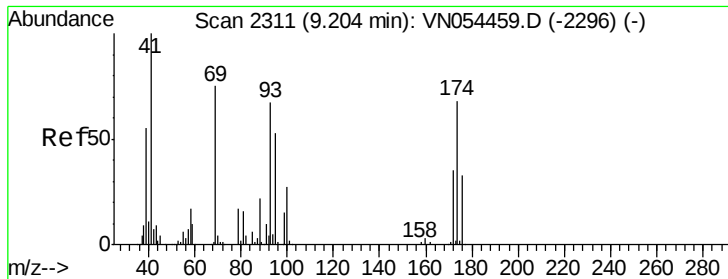
#48
Methyl methacrylate
Concen: 19.475 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.8	72.6	108.8
39	57.5	47.5	71.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





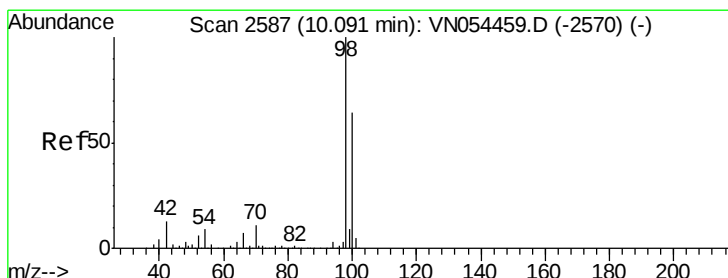
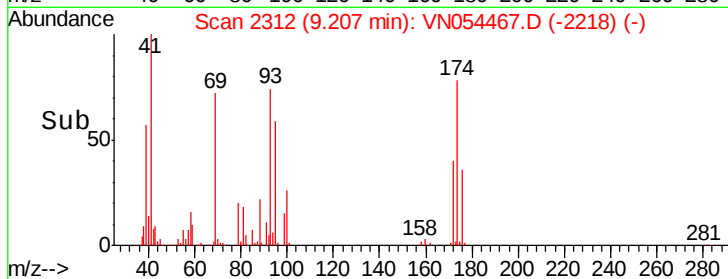
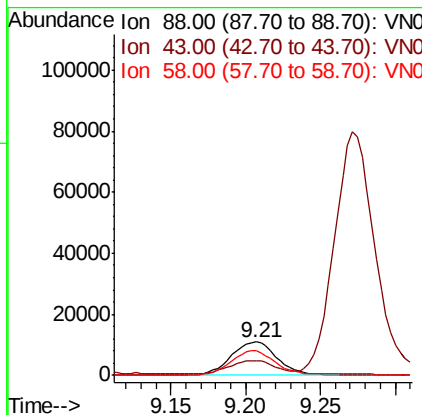
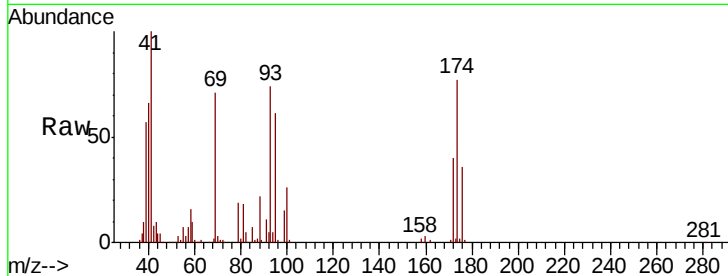
#49
1,4-Dioxane
Concen: 404.134 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320MBS01

Tot Ion: 88 Resp: 23537
Ion Ratio Lower Upper
88 100
43 37.3 24.1 36.1#
58 71.2 50.8 76.2

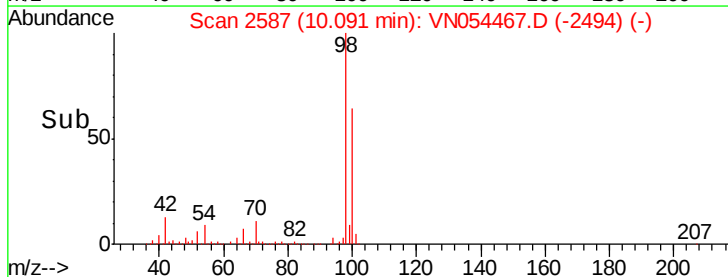
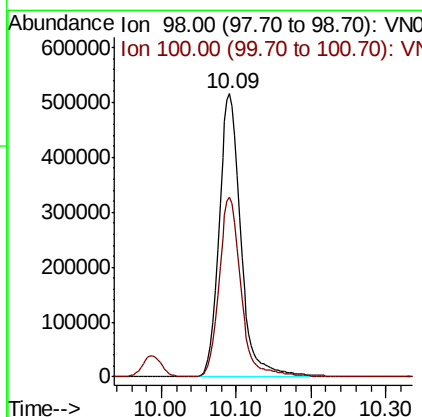
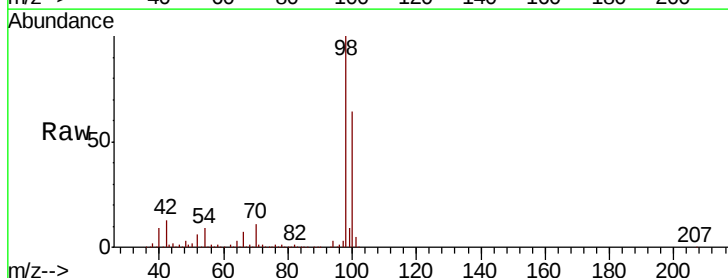
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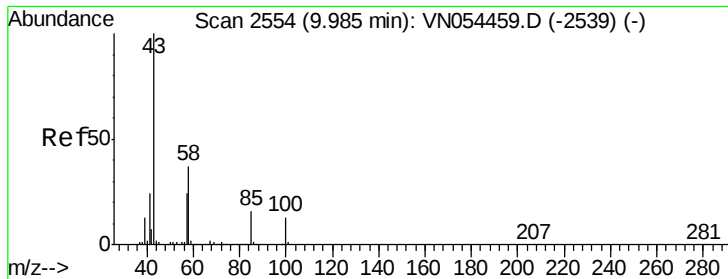
MMDadoda
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#50
Toluene-d8
Concen: 50.158 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Tgt Ion: 98 Resp: 1038220
Ion Ratio Lower Upper
98 100
100 63.7 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 102.990 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320MBS01

Tot Ion: 43 Resp: 547848

Ion Ratio Lower Upper

43 100

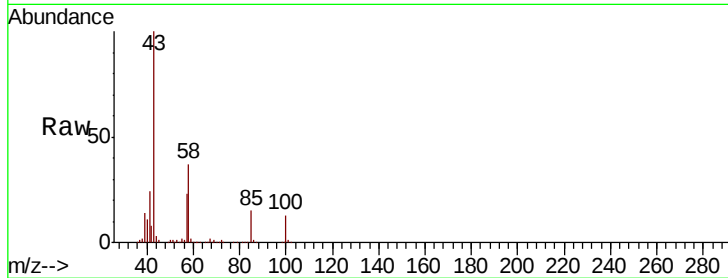
58 36.1 31.8 47.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

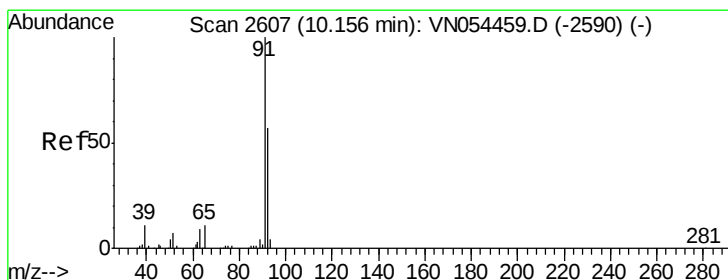
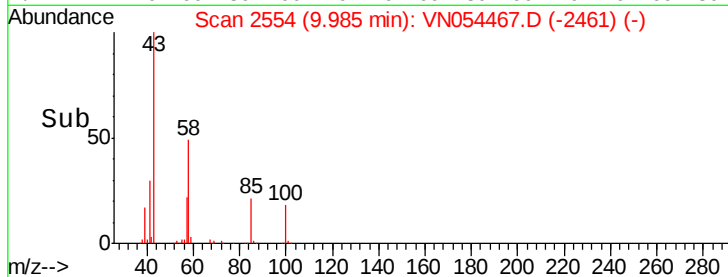
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.596 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054467.D

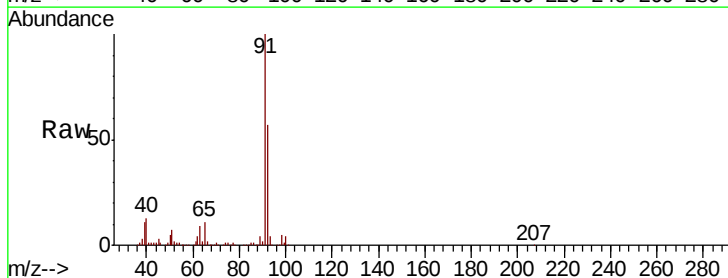
Acq: 20 Mar 2019 16:55

Tgt Ion: 92 Resp: 275405

Ion Ratio Lower Upper

92 100

91 176.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

250000

200000

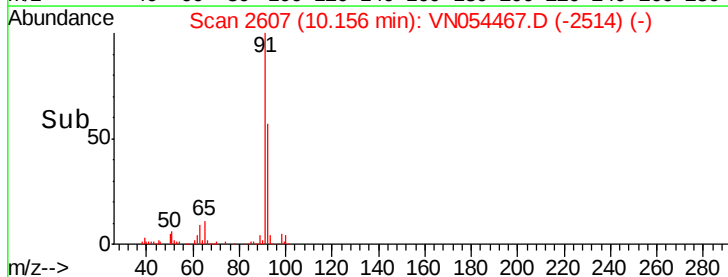
150000

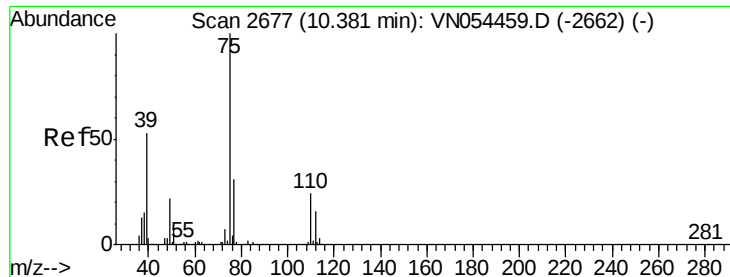
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.300 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320MBS01

Tot Ion: 75 Resp: 134780

Ion Ratio Lower Upper

75 100

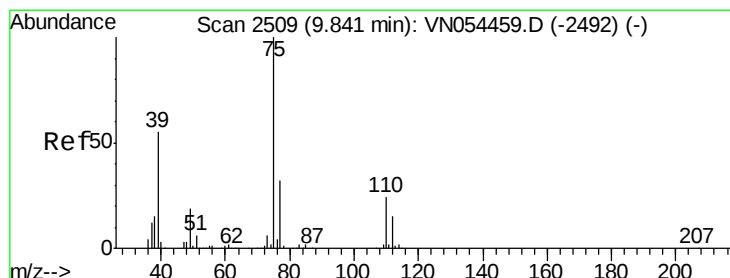
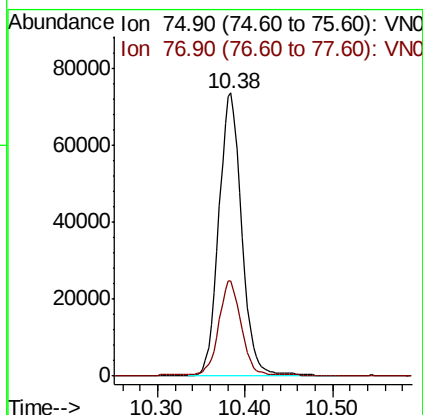
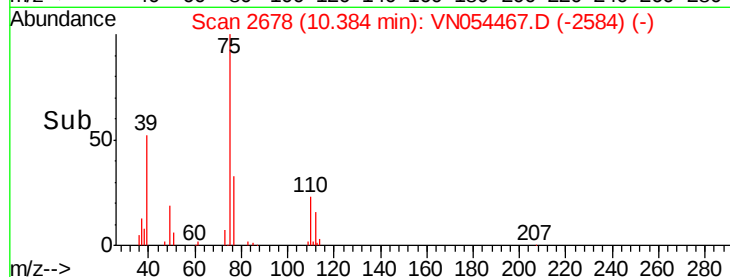
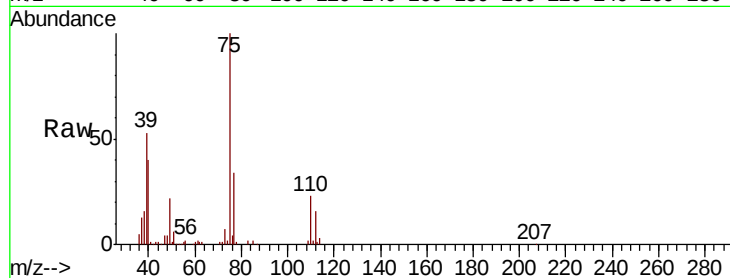
77 33.4 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.346 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

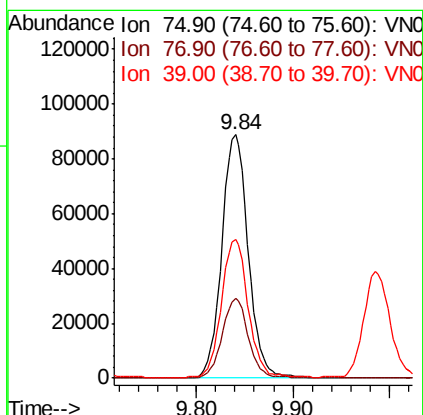
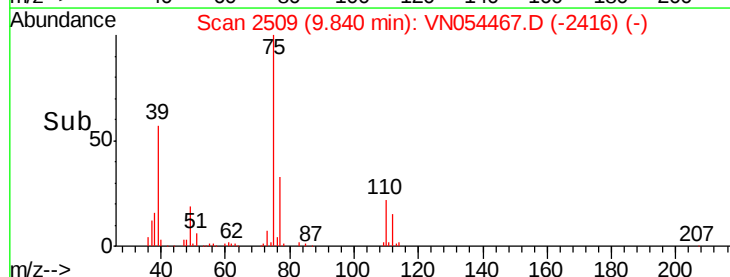
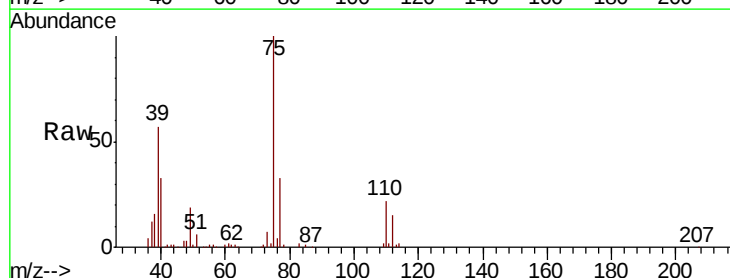
Tgt Ion: 75 Resp: 168512

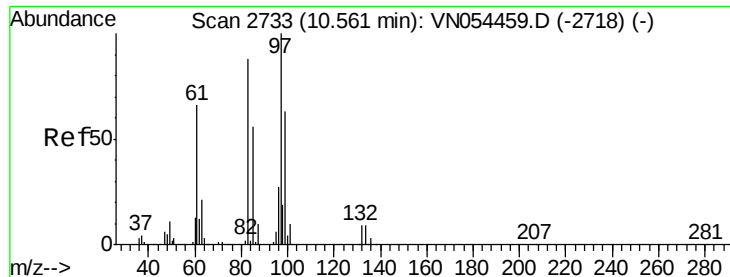
Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.0

39 56.5 37.2 55.8#





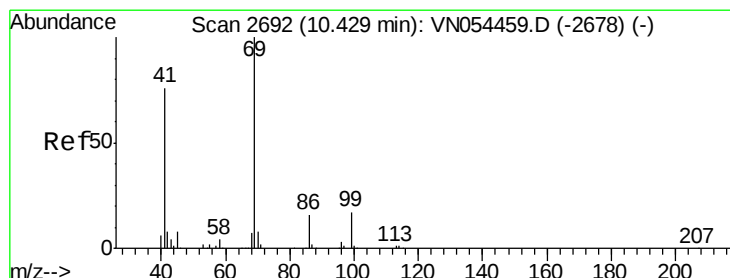
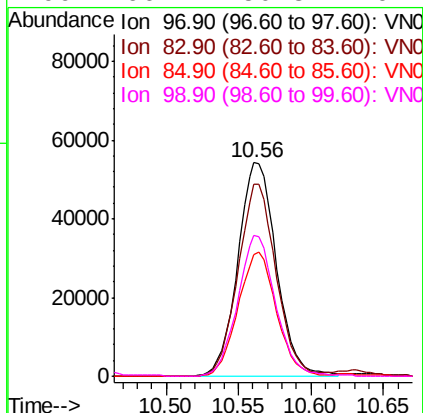
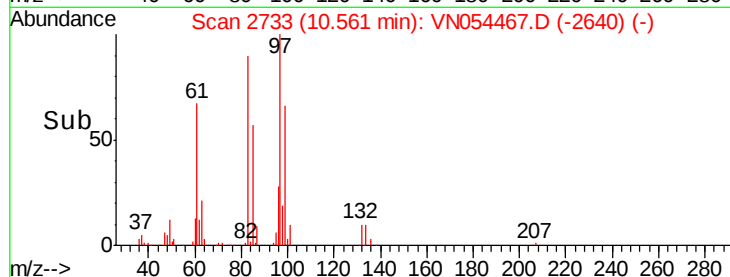
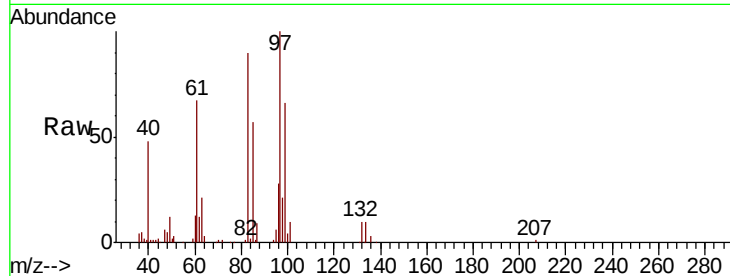
#55
 1,1,2-Trichloroethane
 Concen: 19.895 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054467.D
 Acq: 20 Mar 2019 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320MBS01

Tot Ion:	97	Resp:	100505
Ion	Ratio	Lower	Upper
97	100		
83	89.7	66.6	100.0
85	57.1	44.4	66.6
99	66.1	50.8	76.2

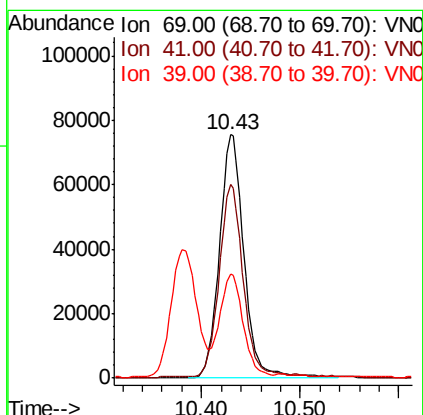
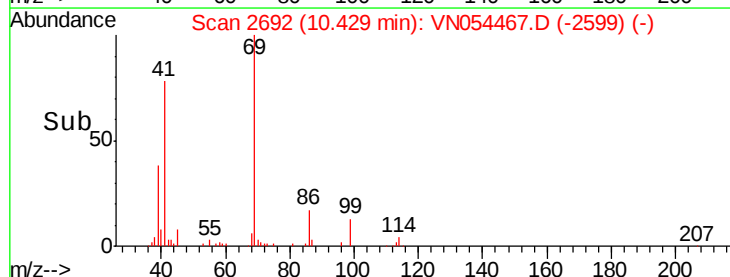
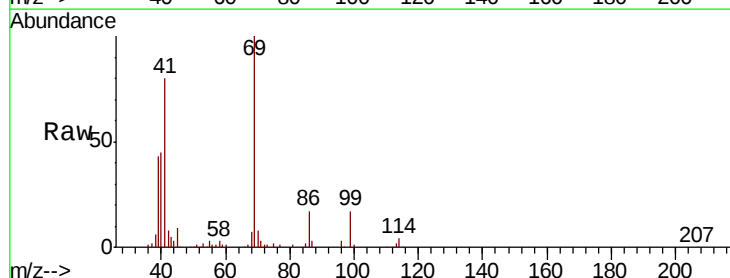
Manual Integrations
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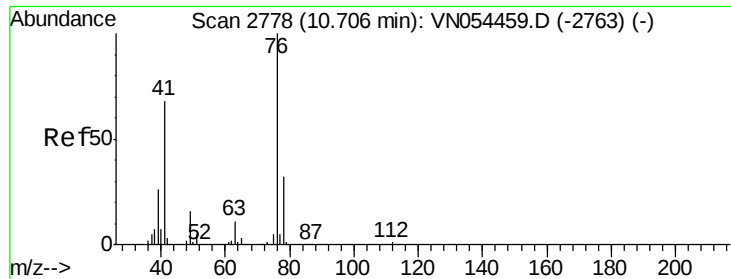
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#56
 Ethyl methacrylate
 Concen: 19.435 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054467.D
 Acq: 20 Mar 2019 16:55

Tgt Ion:	69	Resp:	131780
Ion	Ratio	Lower	Upper
69	100		
41	77.2	49.4	74.2#
39	39.6	28.3	42.5





#57

1,3-Dichloropropane

Concen: 20.618 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

ClientSampled :

VN0320MBS01

Tot Ion: 76 Resp: 181060

Ion Ratio Lower Upper

76 100

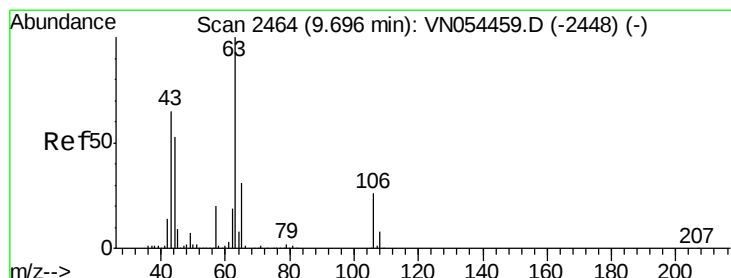
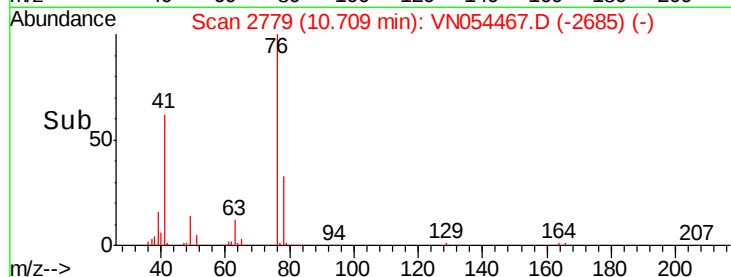
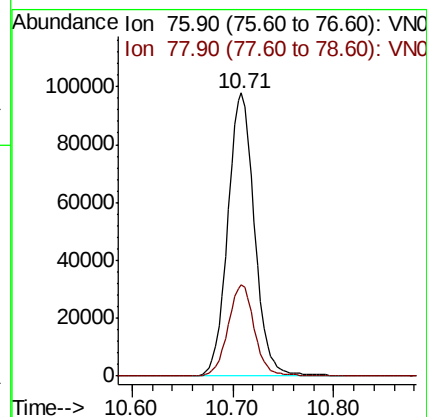
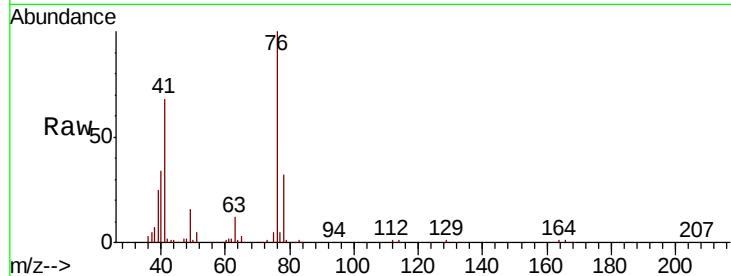
78 31.9 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 94.792 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054467.D

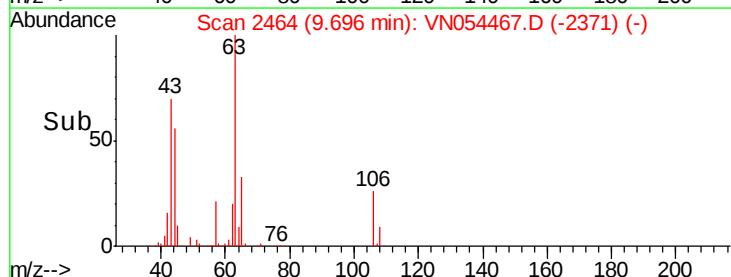
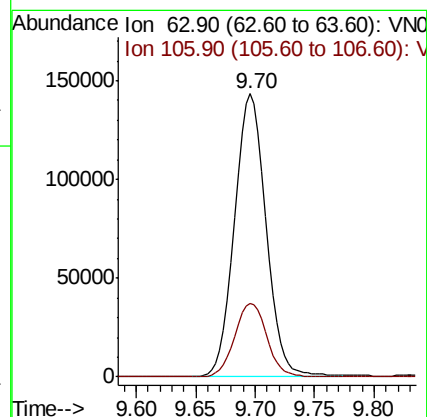
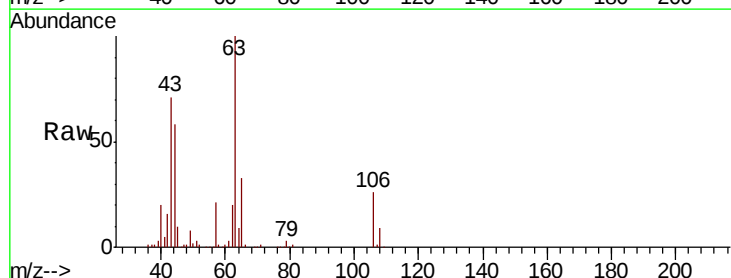
Acq: 20 Mar 2019 16:55

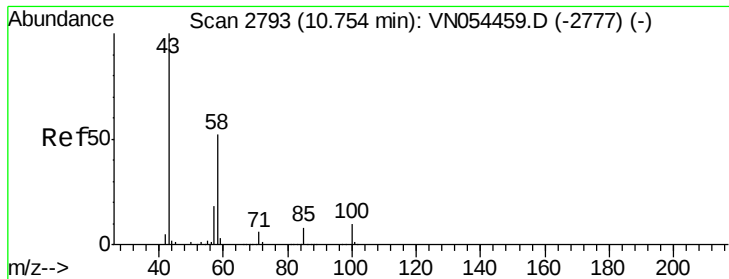
Tgt Ion: 63 Resp: 264668

Ion Ratio Lower Upper

63 100

106 26.5 24.4 36.6





#59

2-Hexanone

Concen: 97.249 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320MBS01

Tot Ion: 43 Resp: 337901

Ion Ratio Lower Upper

43 100

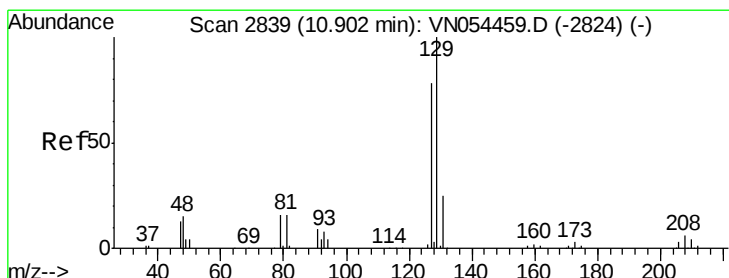
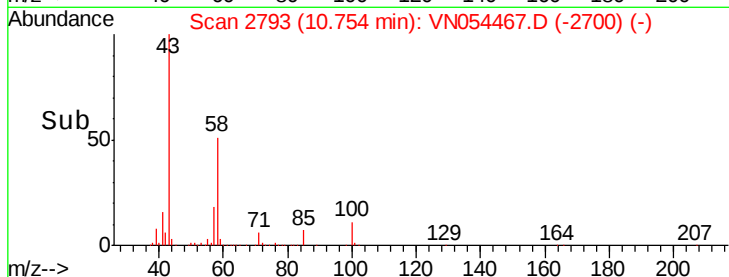
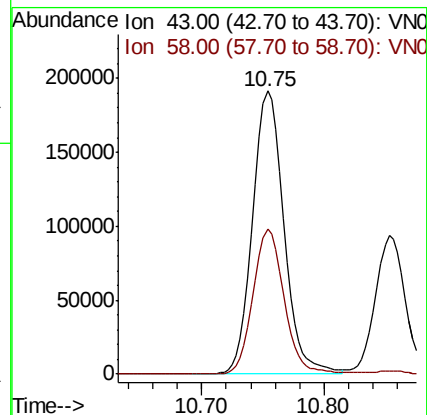
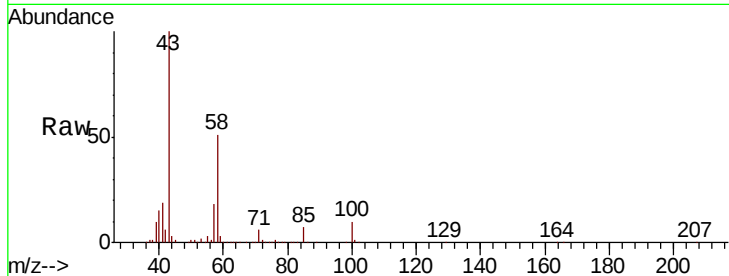
58 51.0 28.0 83.9

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#60

Dibromochloromethane

Concen: 19.273 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN054467.D

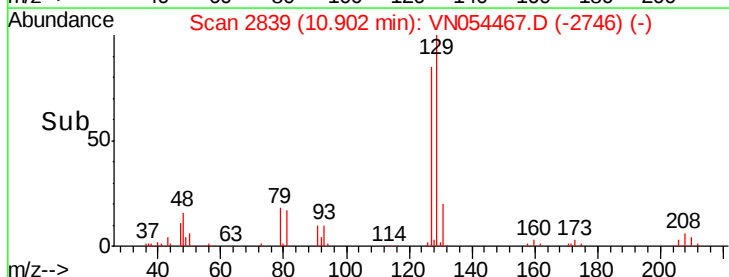
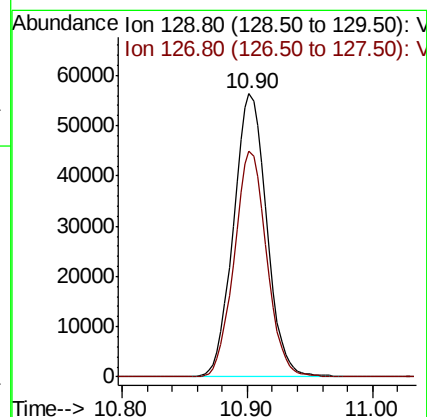
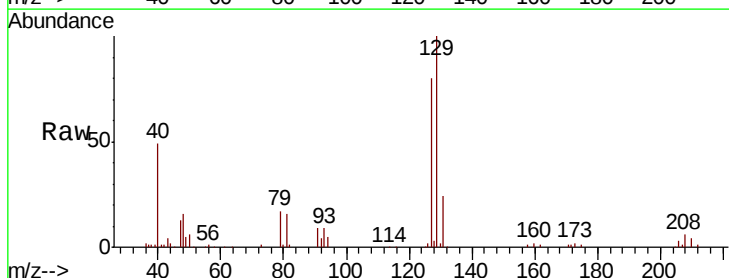
Acq: 20 Mar 2019 16:55

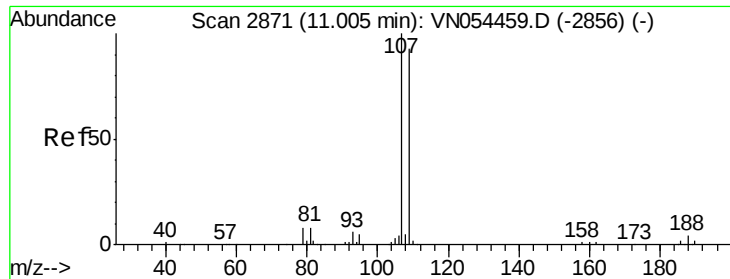
Tgt Ion: 129 Resp: 103604

Ion Ratio Lower Upper

129 100

127 77.9 38.6 115.8





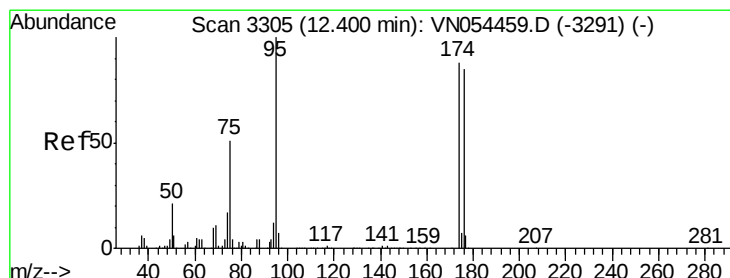
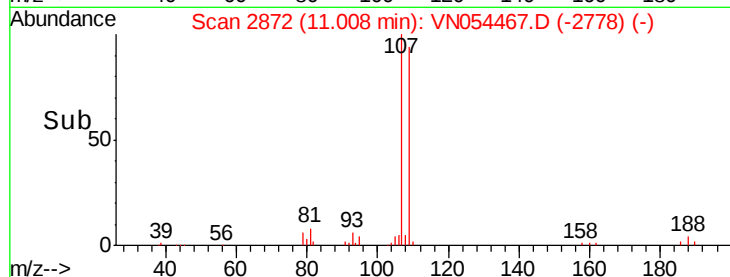
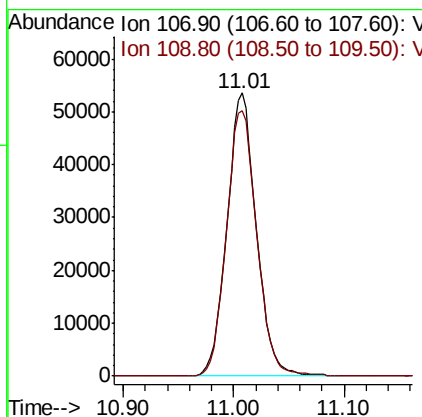
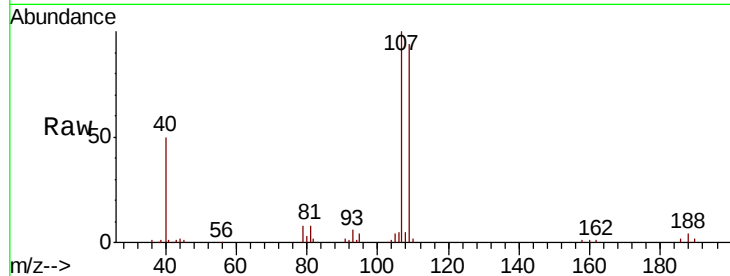
#61
 1,2-Dibromoethane
 Concen: 19.741 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054467.D
 Acq: 20 Mar 2019 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320MBS01

Tot Ion: 107 Resp: 98596
 Ion Ratio Lower Upper
 107 100
 109 97.3 75.9 113.9

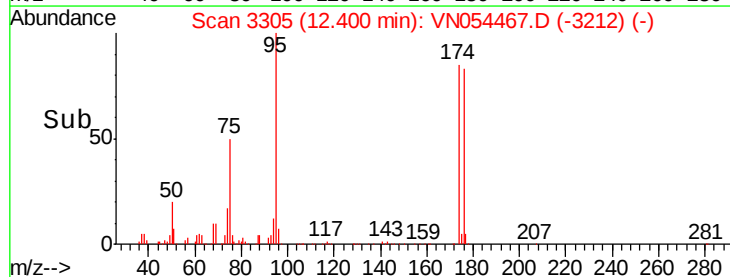
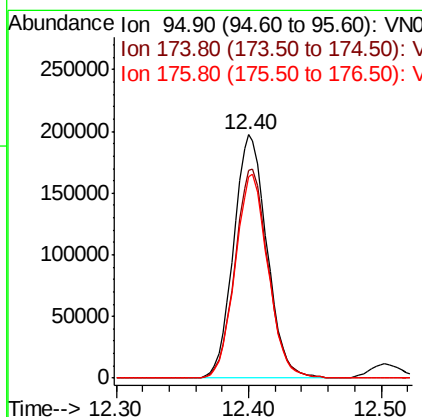
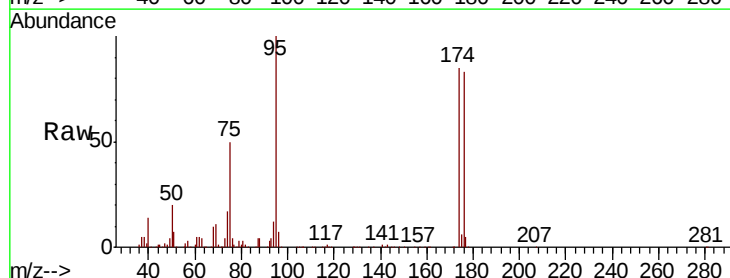
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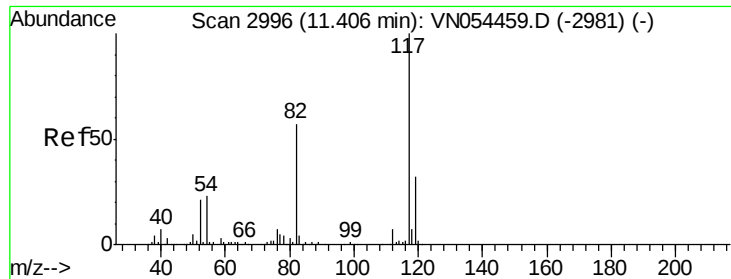
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#62
 4-Bromofluorobenzene
 Concen: 48.942 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054467.D
 Acq: 20 Mar 2019 16:55

Tgt Ion: 95 Resp: 344724
 Ion Ratio Lower Upper
 95 100
 174 85.5 0.0 191.0
 176 82.7 0.0 187.4





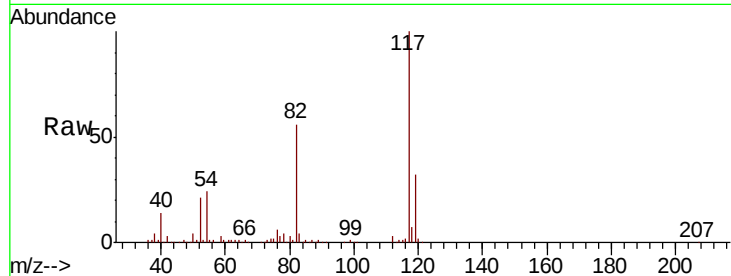
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Instrument :
MSVOA_N
ClientSampled :
VN0320MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	40.0	60.0
119	32.4	25.8	38.6

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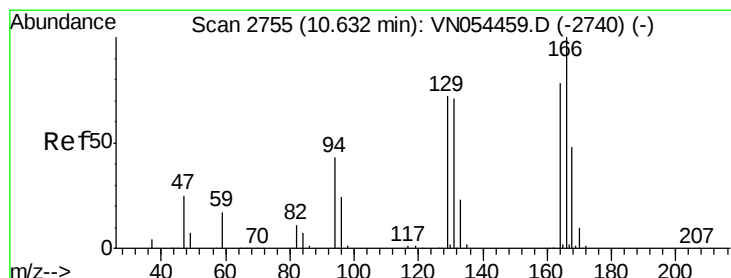
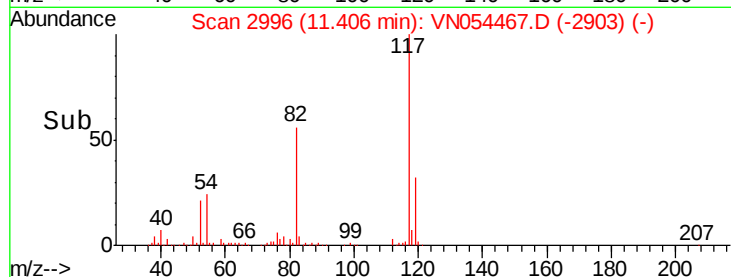
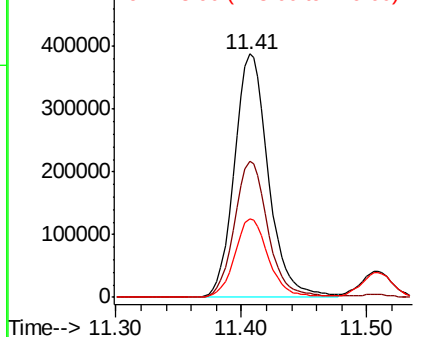


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.333 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.5	103.9	155.9
129	98.0	71.1	106.7
131	93.0	68.2	102.4

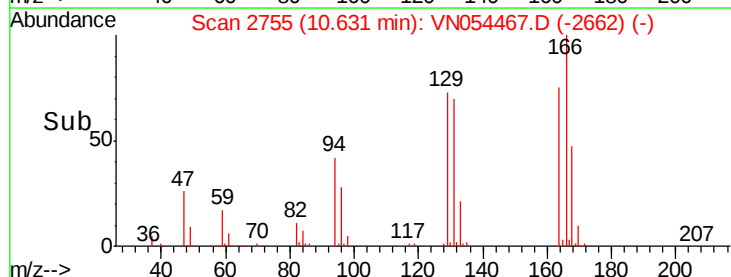
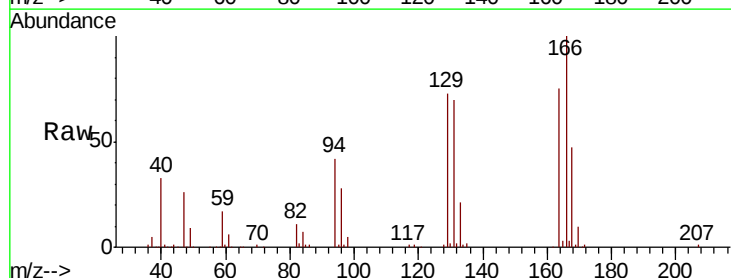
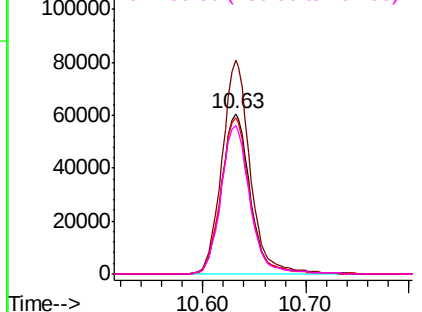
Abundance

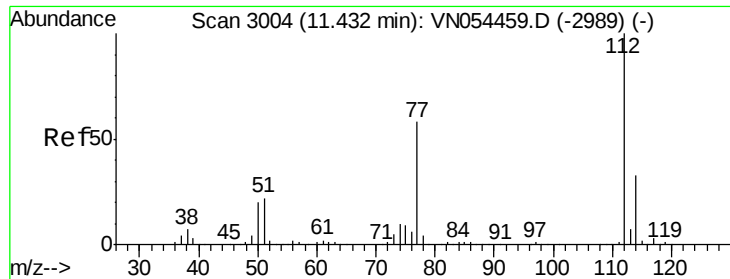
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.616 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320MBS01

Tot Ion:112 Resp: 291598

Ion Ratio Lower Upper

112 100

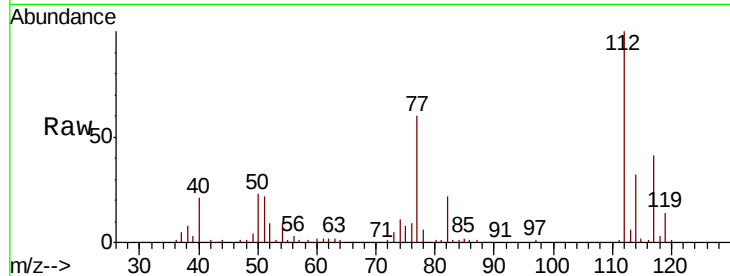
114 31.9 25.9 38.9

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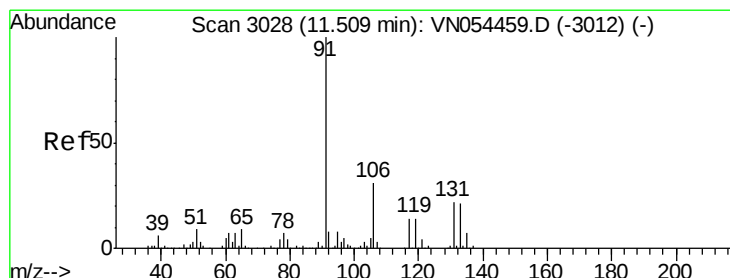
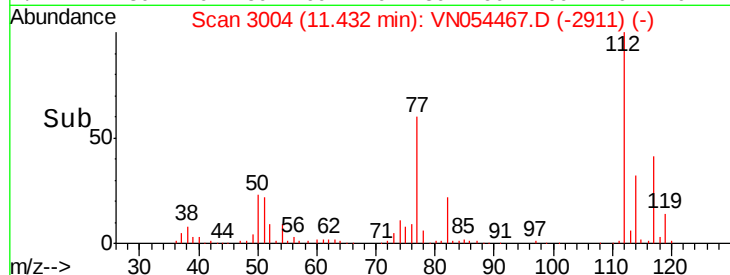
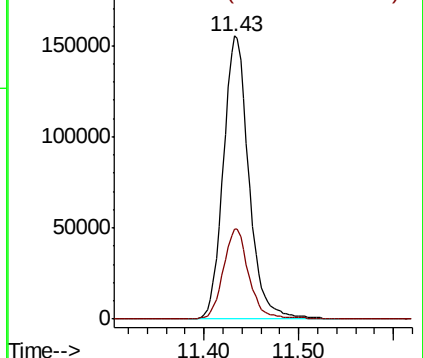
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.903 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

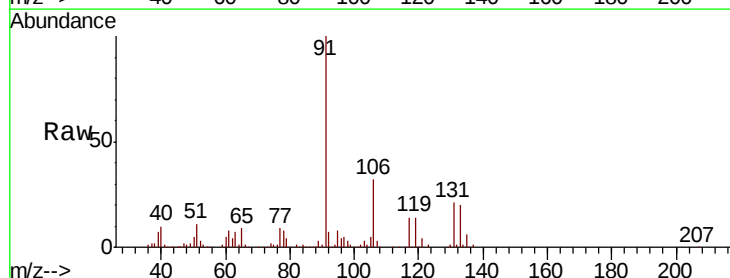
Tgt Ion:131 Resp: 106193

Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.9

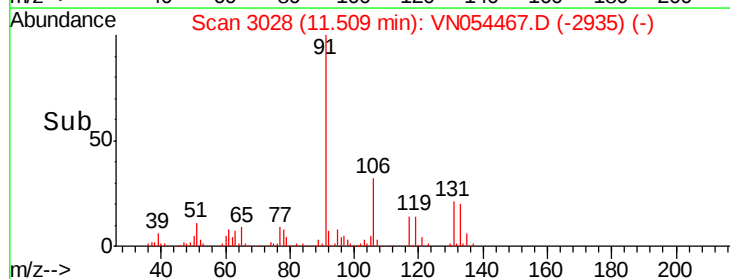
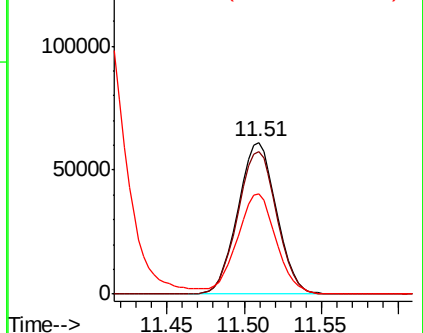
119 67.1 32.4 97.0

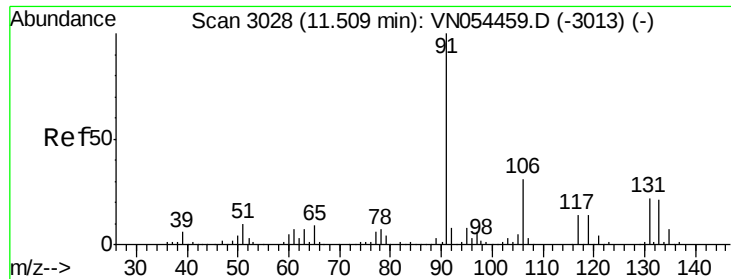


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





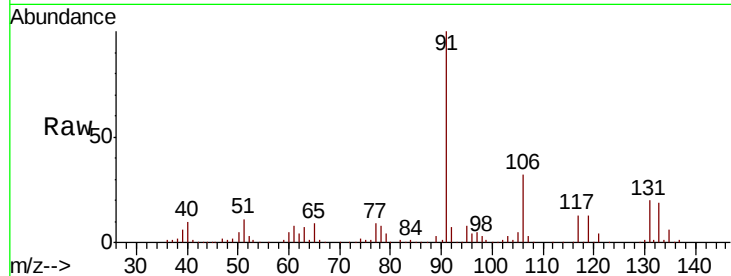
#67
Ethyl Benzene
Concen: 19.752 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Instrument :
MSVOA_N
ClientSampled :
VN0320MBS01

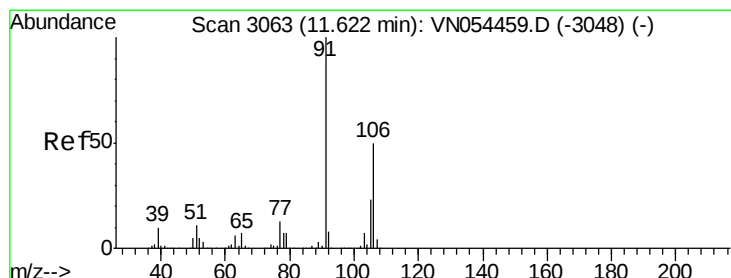
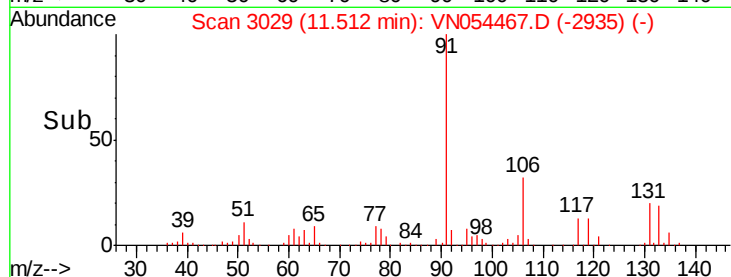
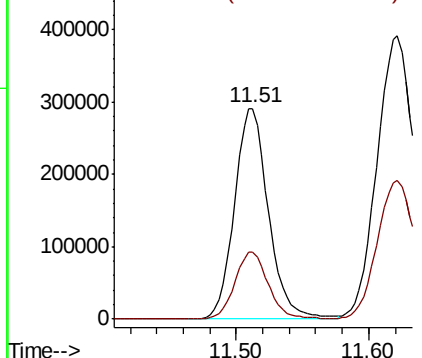
Tot Ion: 91 Resp: 518658
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3

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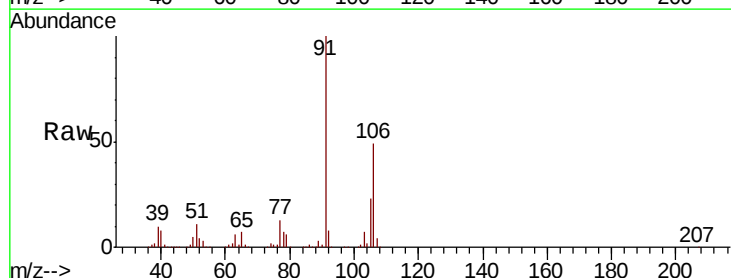


Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3013) (-)
Ion 106.00 (105.70 to 106.70): VN054459.D (-3013) (-)

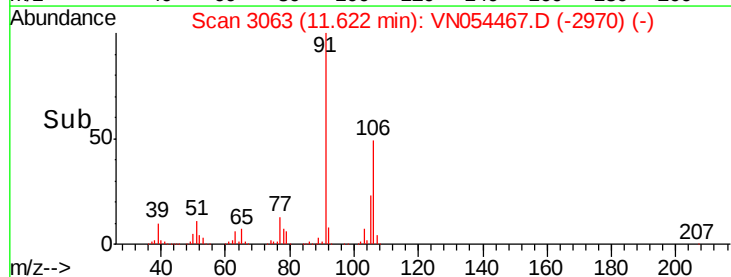
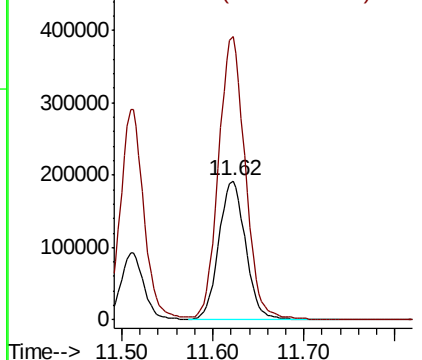


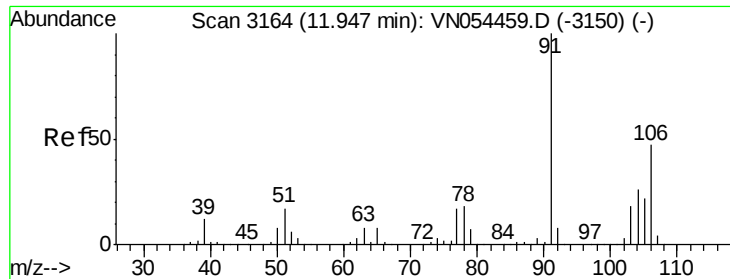
#68
m/p-Xylenes
Concen: 39.612 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Tgt Ion: 106 Resp: 393977
Ion Ratio Lower Upper
106 100
91 203.0 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VN054459.D (-3048) (-)
Ion 91.00 (90.70 to 91.70): VN054459.D (-3048) (-)





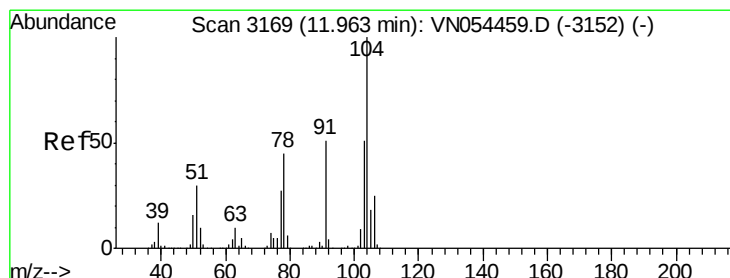
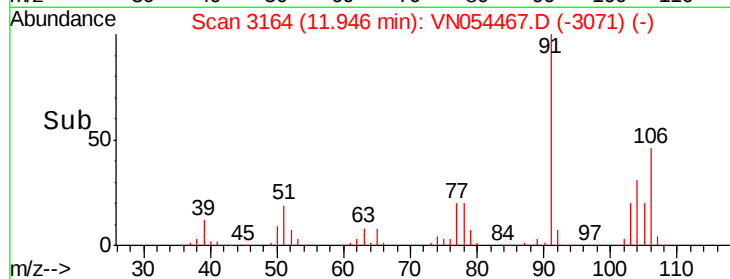
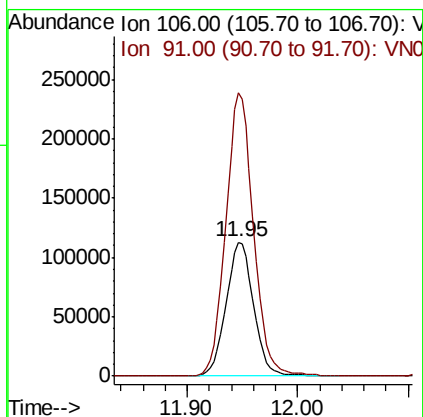
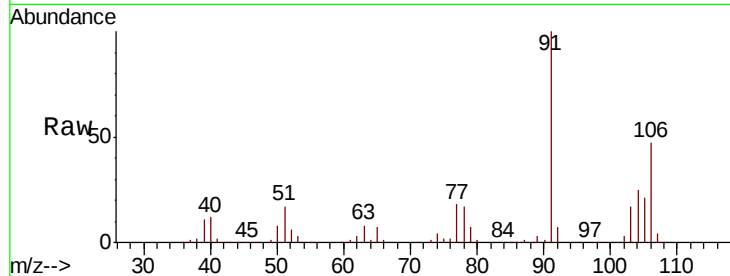
#69
o-Xylene
Concen: 20.083 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Instrument :
MSVOA_N
ClientSampled :
VN0320MBS01

Tot Ion:106 Resp: 195070
Ion Ratio Lower Upper
106 100
91 212.5 105.7 317.1

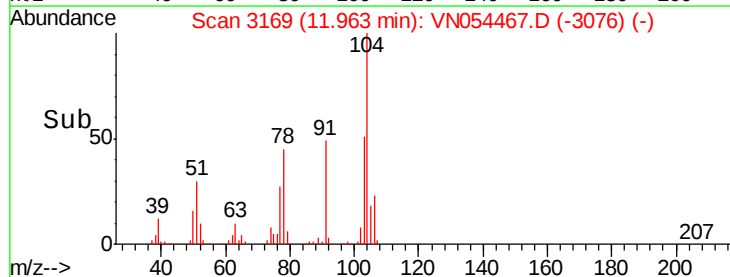
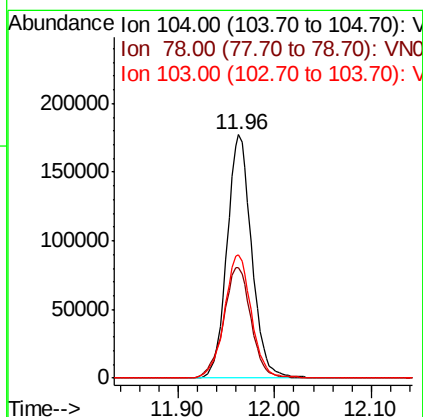
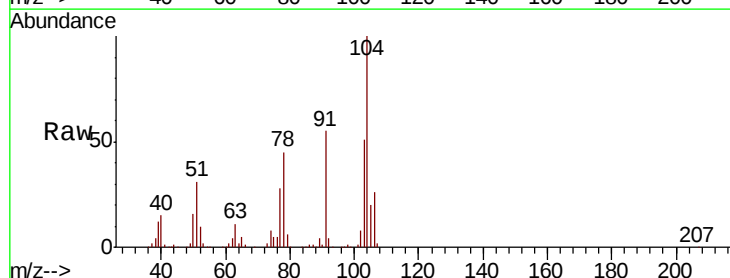
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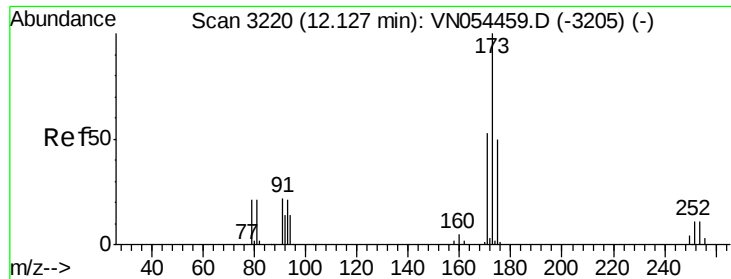
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#70
Styrene
Concen: 19.901 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Tgt Ion:104 Resp: 313908
Ion Ratio Lower Upper
104 100
78 50.6 38.2 57.2
103 55.2 44.4 66.6





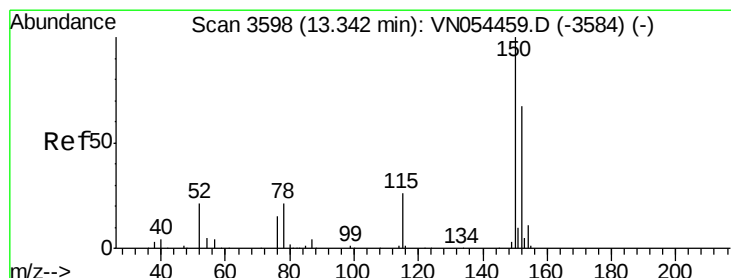
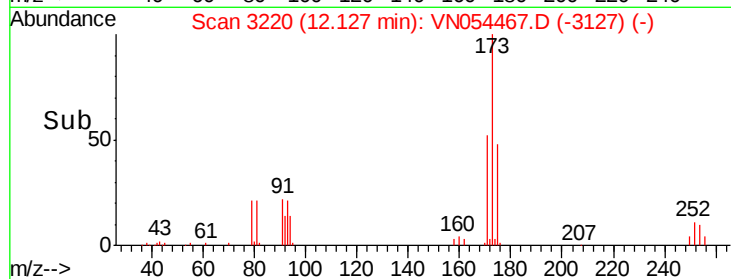
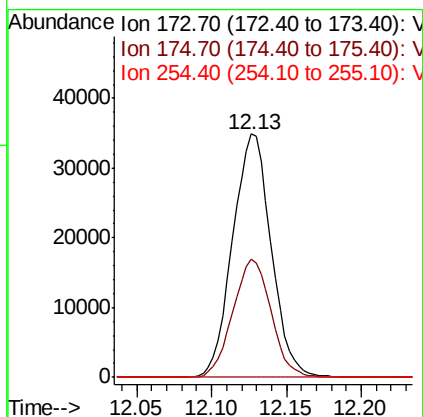
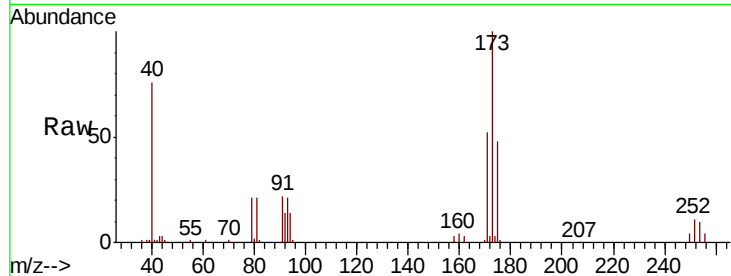
#71
Bromoform
Concen: 18.441 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.4	73.2
254	0.0	0.1	0.1#

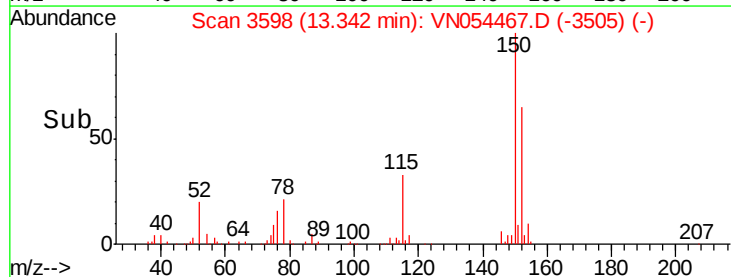
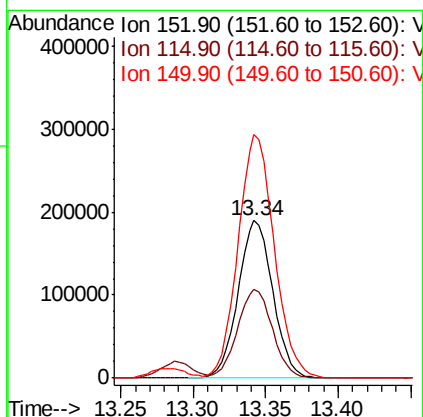
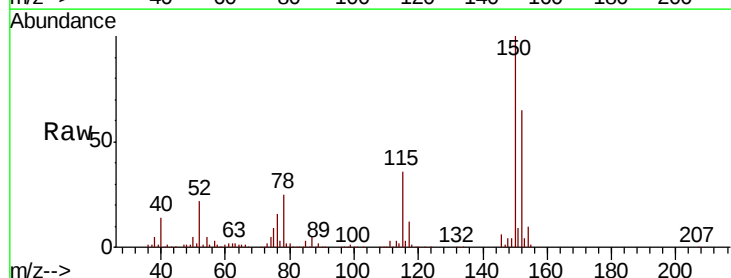
Manual Integrations
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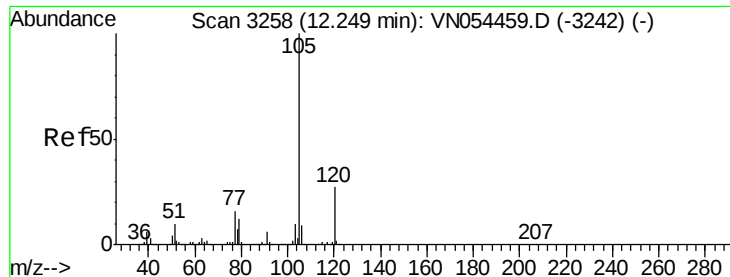
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	27.2	81.6
150	161.8	0.0	349.2





#73

Isopropylbenzene

Concen: 20.135 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320MBS01

Tot Ion: 105 Resp: 510537

Ion Ratio Lower Upper

105 100

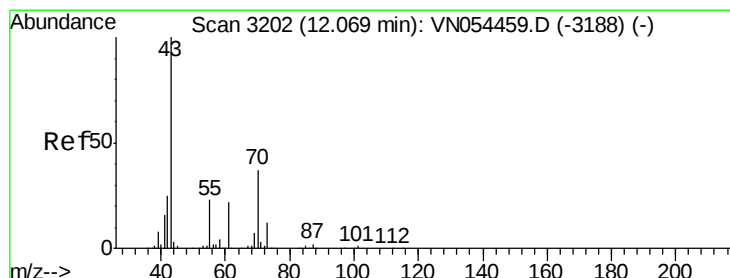
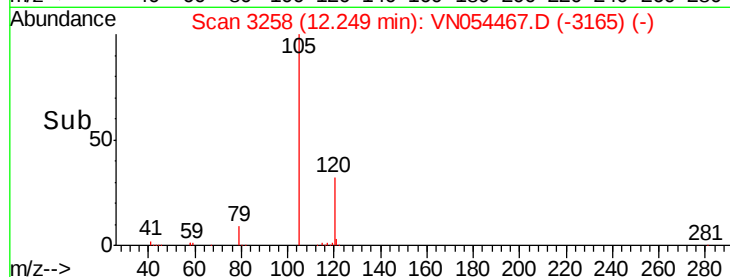
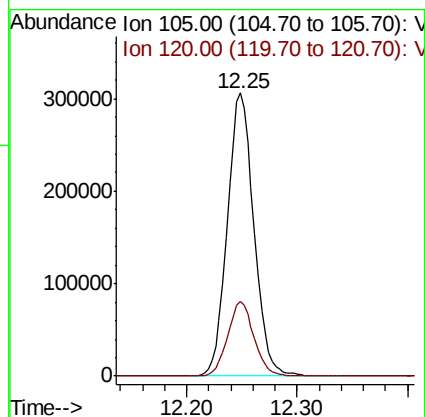
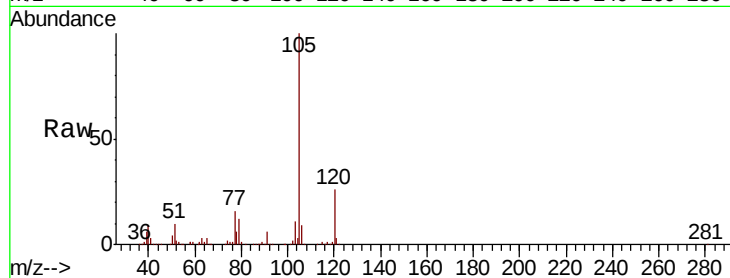
120 26.2 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.763 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Tgt Ion: 43 Resp: 151376

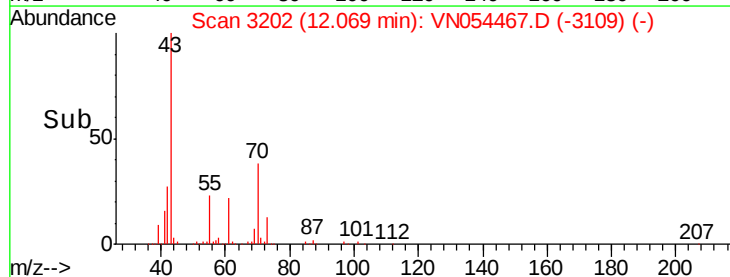
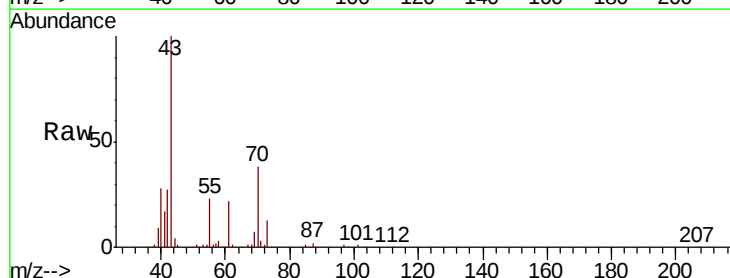
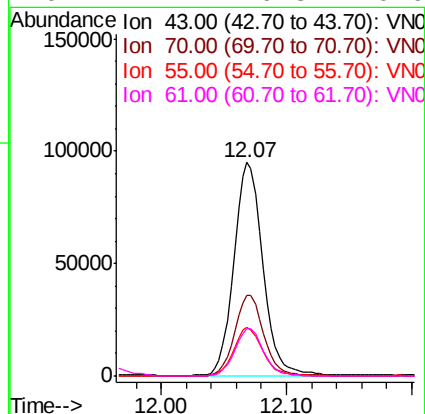
Ion Ratio Lower Upper

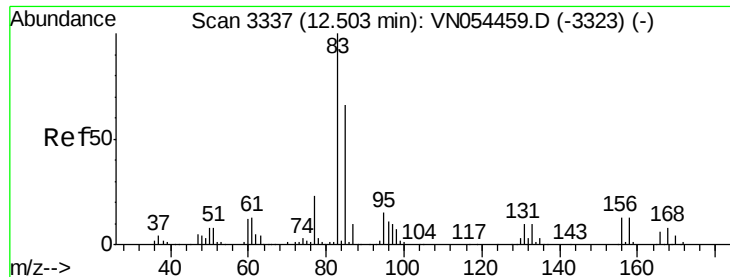
43 100

70 38.6 35.4 53.0

55 23.0 19.8 29.6

61 22.2 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.560 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

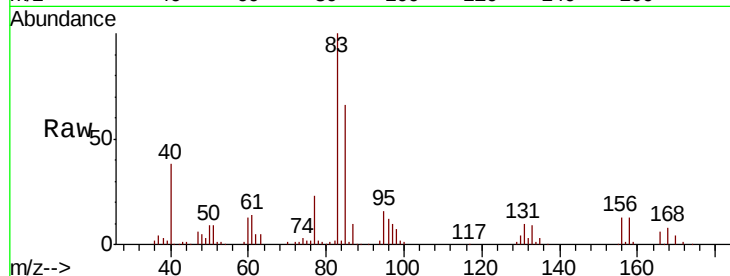
ClientSampleId :

VN0320MBS01

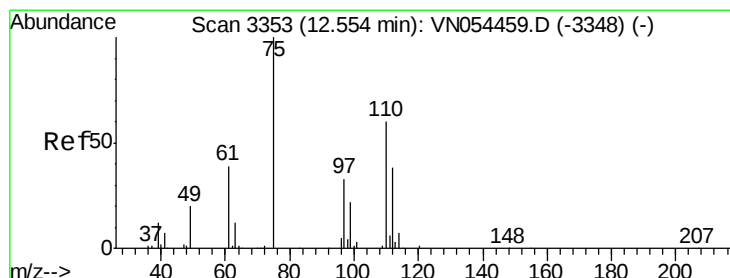
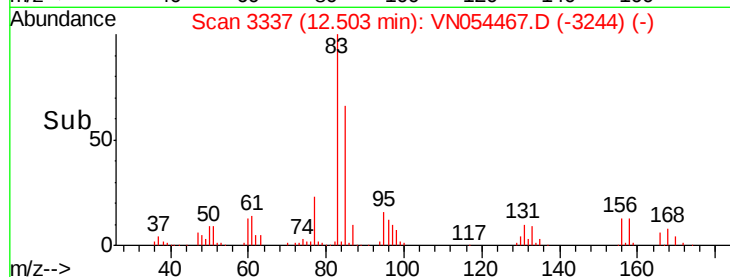
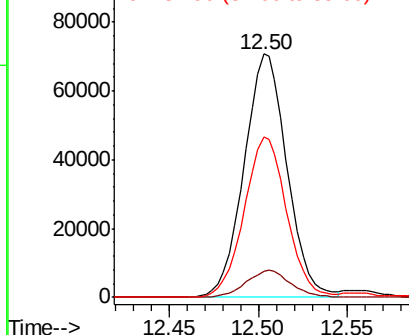
Tot Ion:	83	Resp:	119004
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.8	17.4
85	65.2	32.2	96.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 22.453 ug/l m

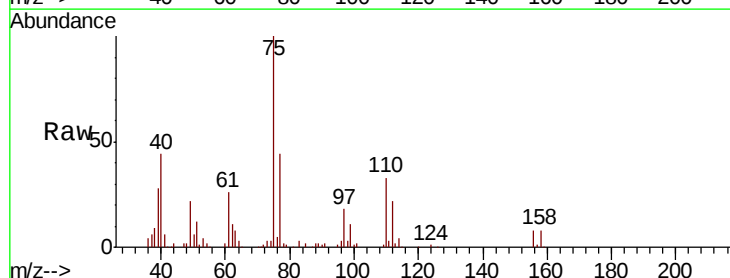
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

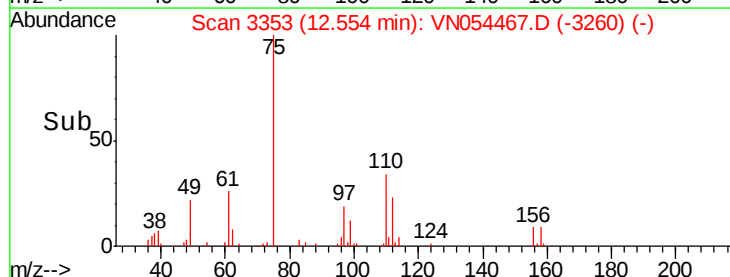
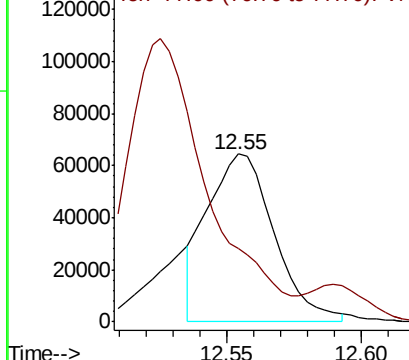
Lab File: VN054467.D

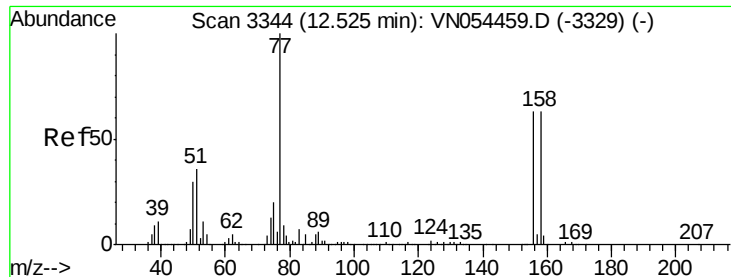
Acq: 20 Mar 2019 16:55

Tgt Ion:	75	Resp:	112111
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.671 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

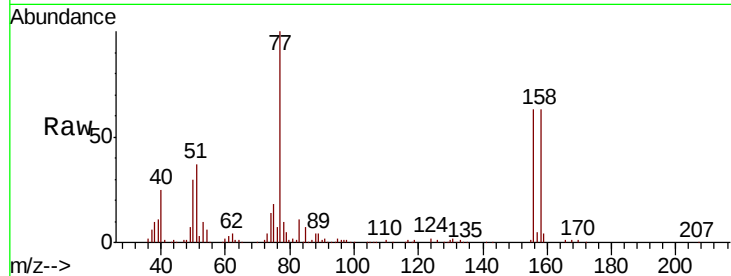
ClientSampleId :

VN0320MBS01

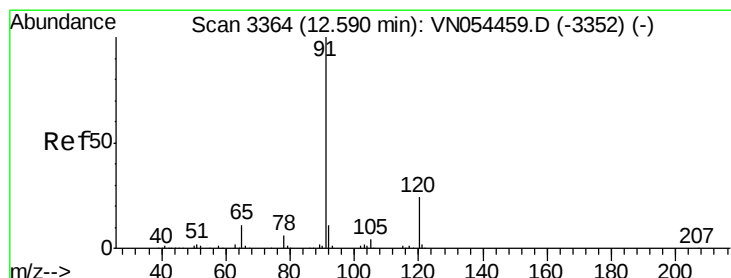
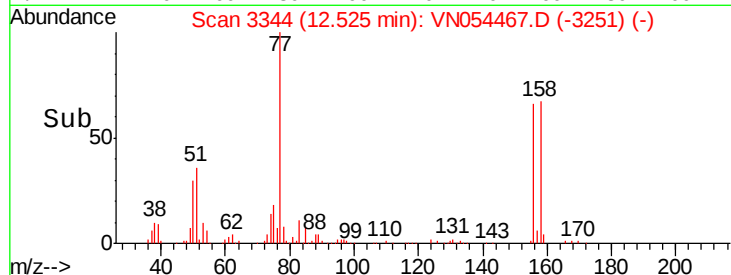
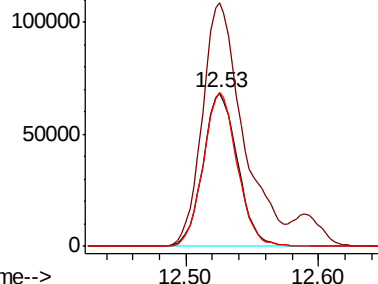
Tot Ion:	156	Resp:	123705
Ion Ratio	Lower	Upper	
156	100		
77	186.2	81.5	244.4
158	98.6	49.0	147.2

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Abundance Ion 155.80 (155.50 to 156.50): V
150000
Ion 77.00 (76.70 to 77.70): VNO
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.745 ug/l

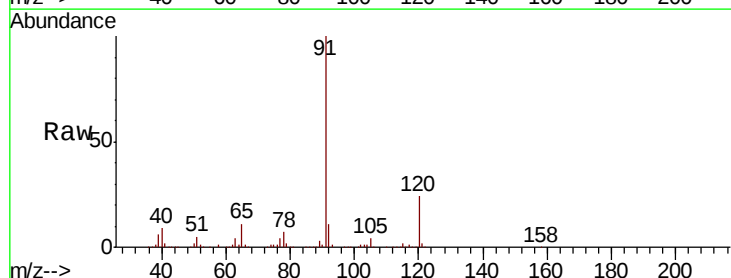
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

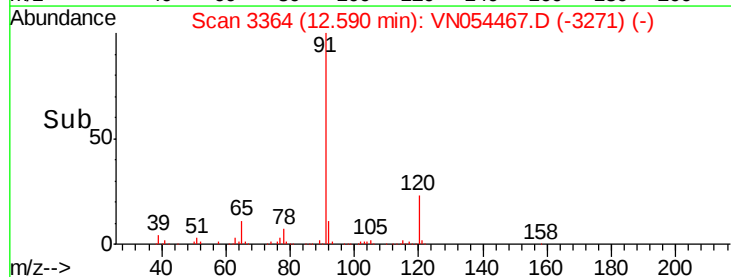
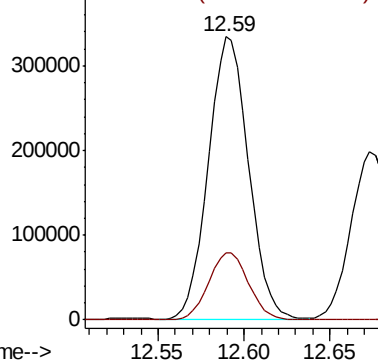
Lab File: VN054467.D

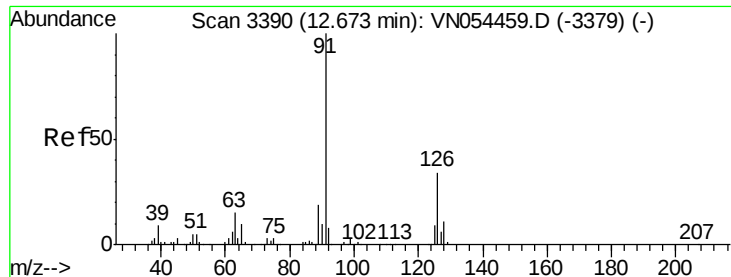
Acq: 20 Mar 2019 16:55

Tgt Ion:	91	Resp:	542903
Ion Ratio	Lower	Upper	
91	100		
120	23.7	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VNO
400000
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.529 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320MBS01

Tot Ion: 91 Resp: 334833

Ion Ratio Lower Upper

91 100

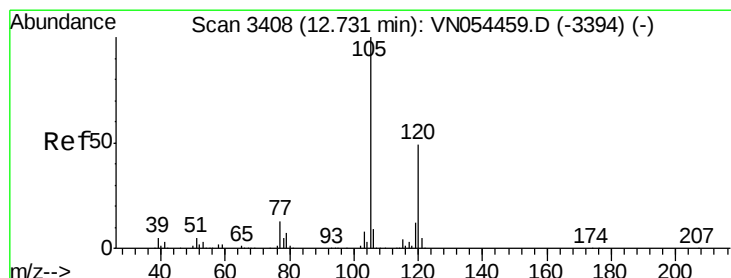
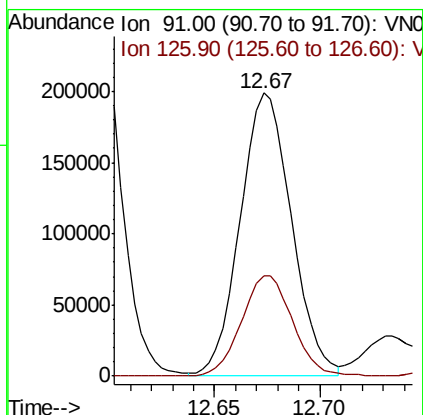
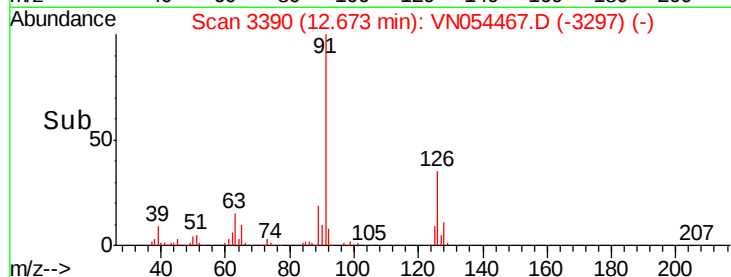
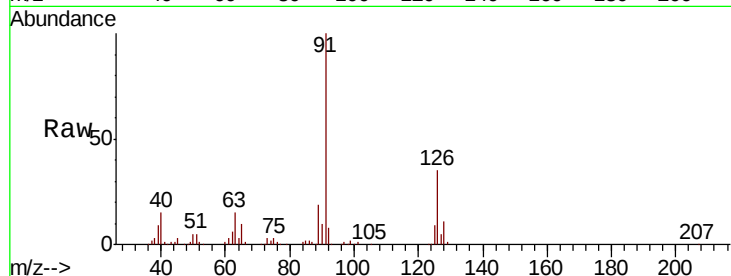
126 35.7 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.991 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054467.D

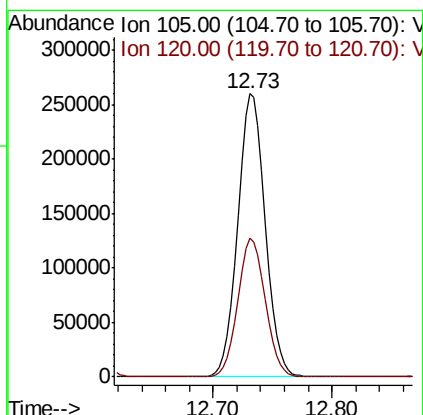
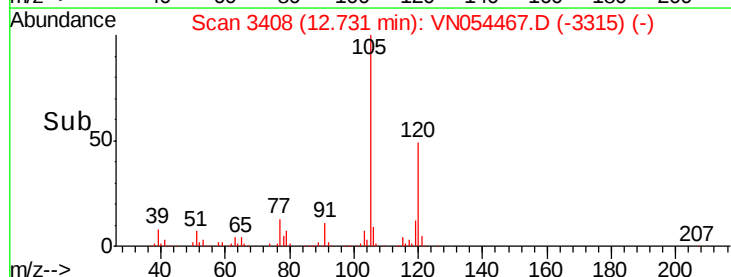
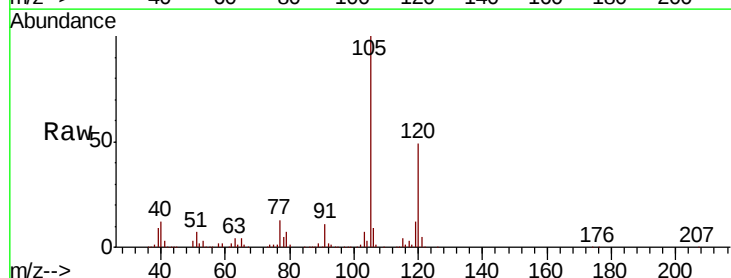
Acq: 20 Mar 2019 16:55

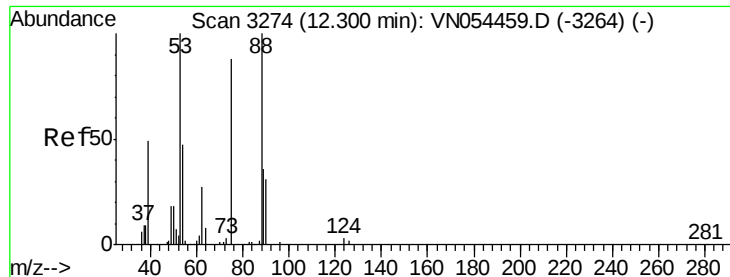
Tgt Ion: 105 Resp: 415434

Ion Ratio Lower Upper

105 100

120 49.2 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.081 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

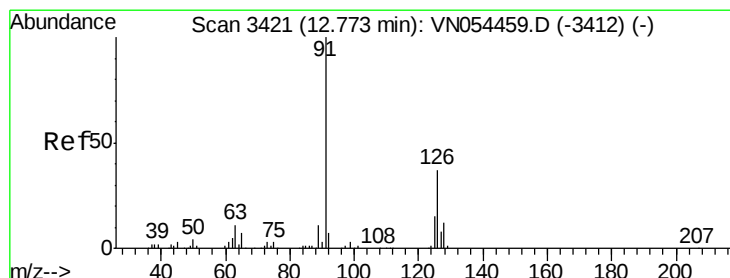
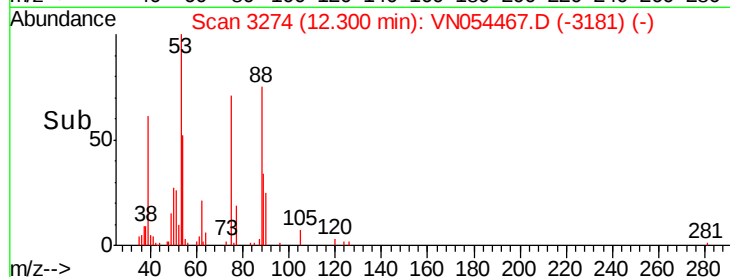
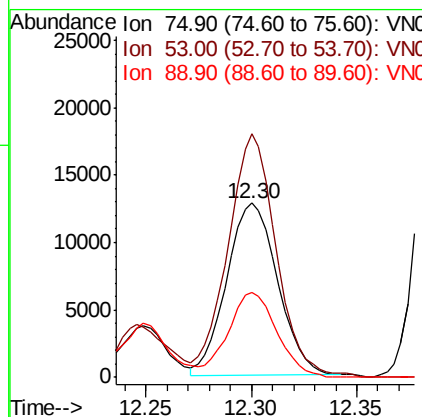
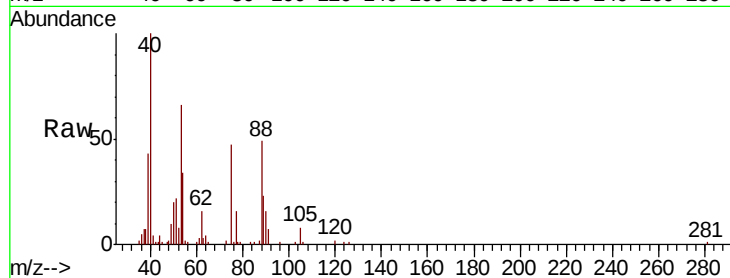
ClientSampleId :

VN0320MBS01

Tot Ion:	75	Resp:	21511
Ion Ratio	Lower	Upper	
75	100		
53	133.7	76.2	114.2#
89	47.1	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.610 ug/l

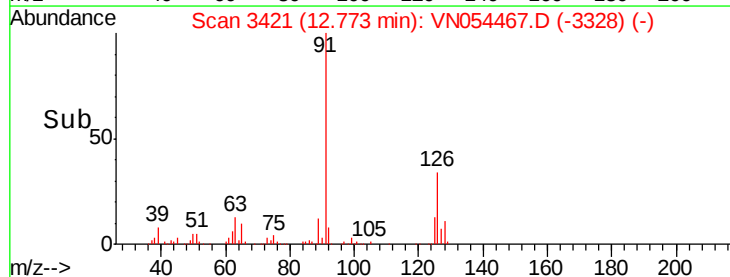
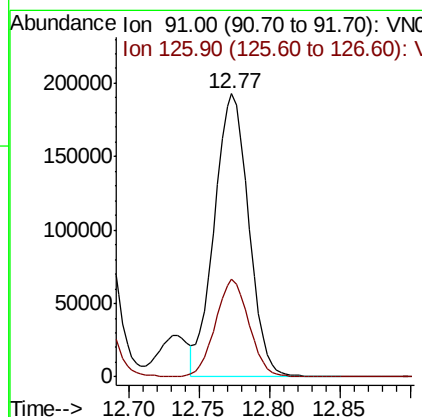
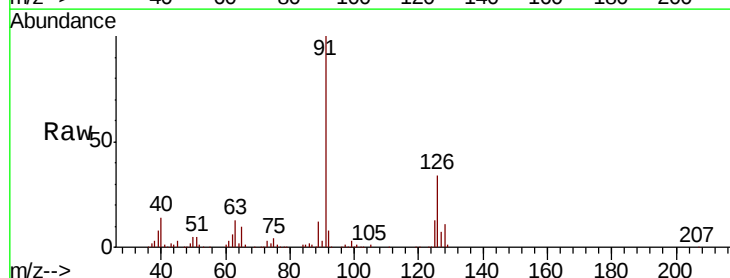
RT: 12.77 min Scan# 3421

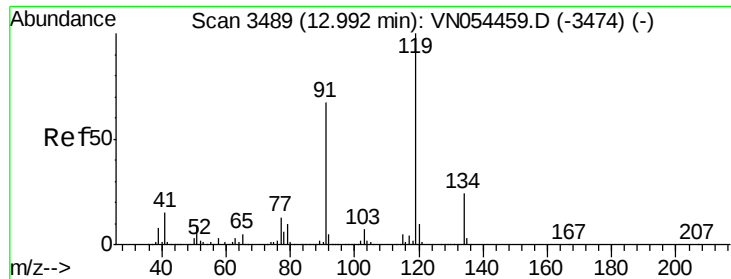
Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Tgt Ion:	91	Resp:	325906
Ion Ratio	Lower	Upper	
91	100		
126	33.8	18.1	54.1





#83

tert-Butylbenzene

Concen: 20.059 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

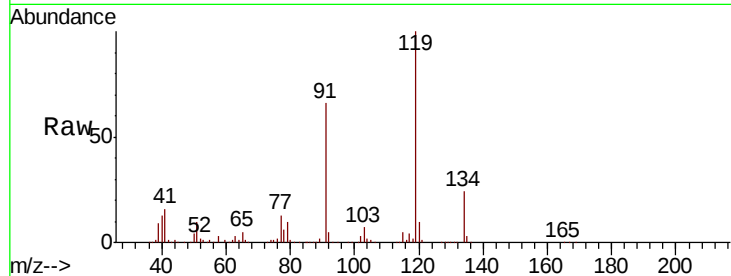
ClientSampleId :

VN0320MBS01

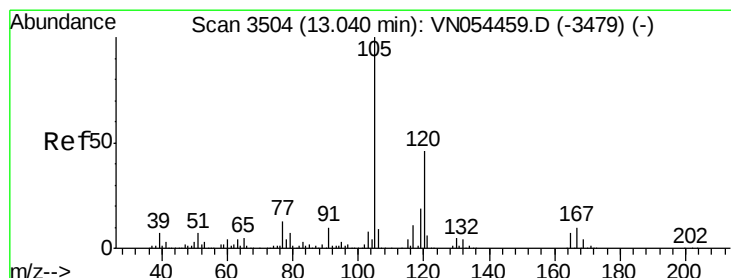
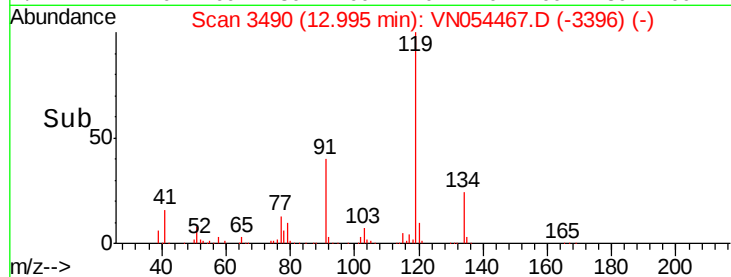
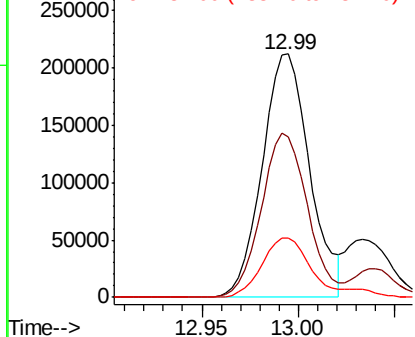
Tot Ion:	119	Resp:	362854
Ion Ratio	Lower	Upper	
119	100		
91	65.3	30.9	92.8
134	24.7	13.2	39.6

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



#84

1,2,4-Trimethylbenzene

Concen: 20.131 ug/l

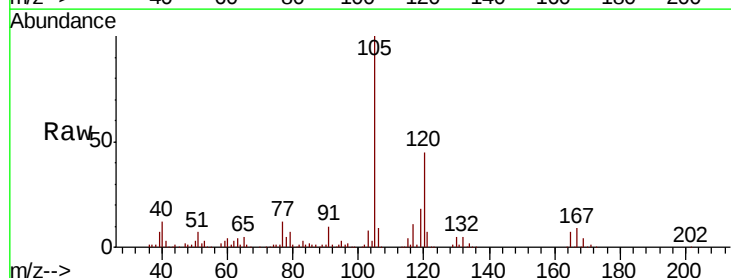
RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

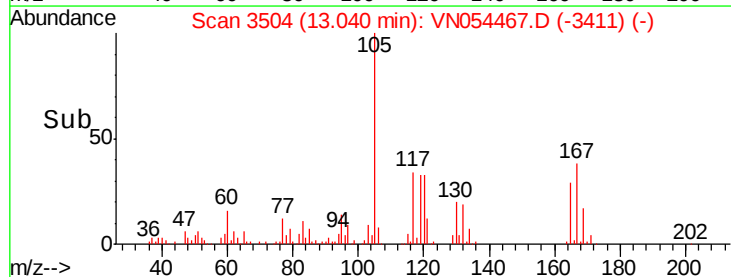
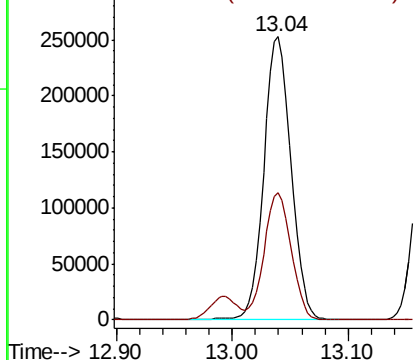
Lab File: VN054467.D

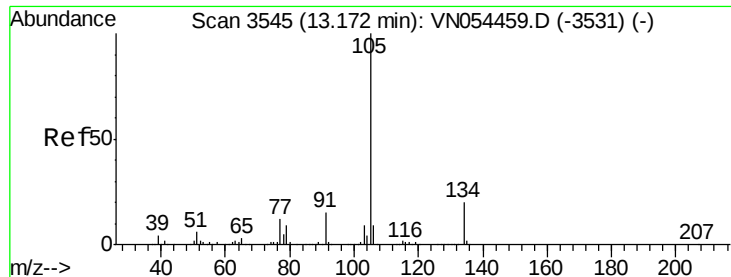
Acq: 20 Mar 2019 16:55

Tgt Ion:	105	Resp:	410502
Ion Ratio	Lower	Upper	
105	100		
120	44.9	23.4	70.3



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





#85

sec-Butylbenzene

Concen: 19.867 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN0320MBS01

Tot Ion:105 Resp: 447996

Ion Ratio Lower Upper

105 100

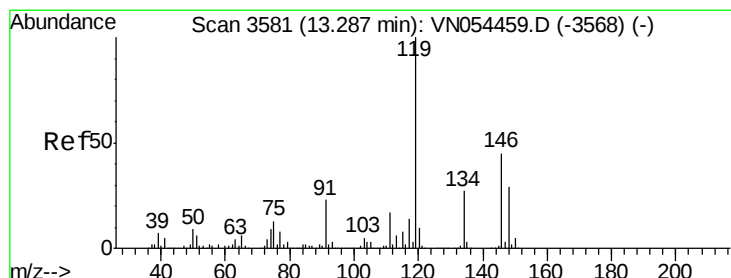
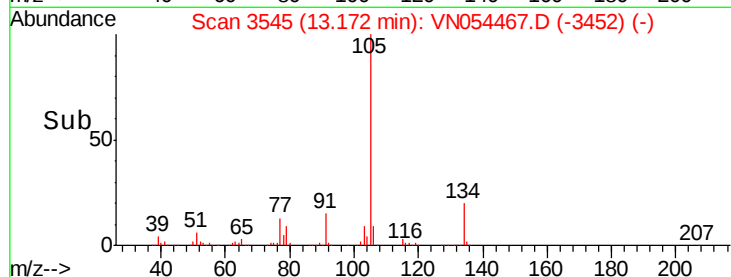
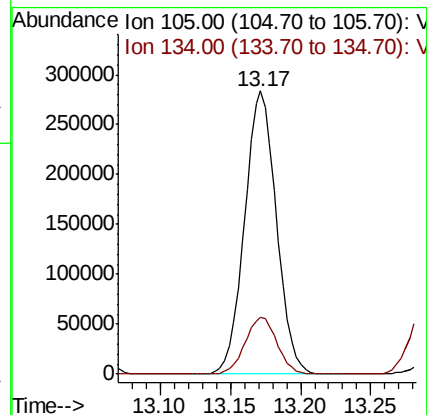
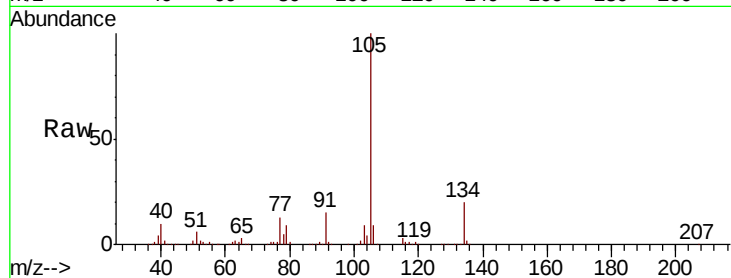
134 20.1 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 19.713 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054467.D

Acq: 20 Mar 2019 16:55

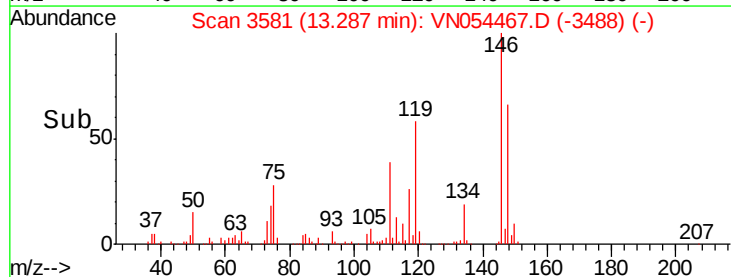
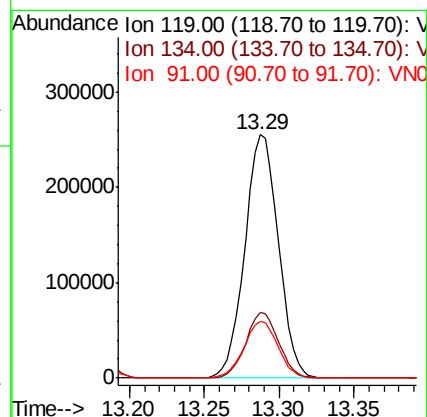
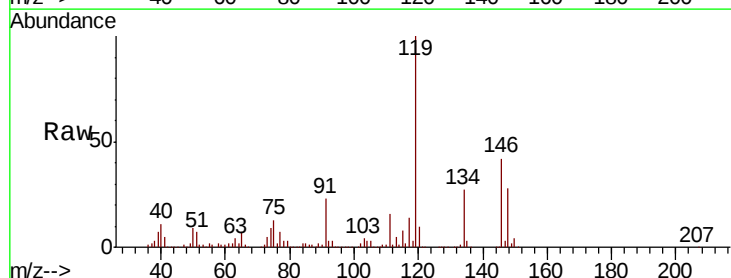
Tgt Ion:119 Resp: 397704

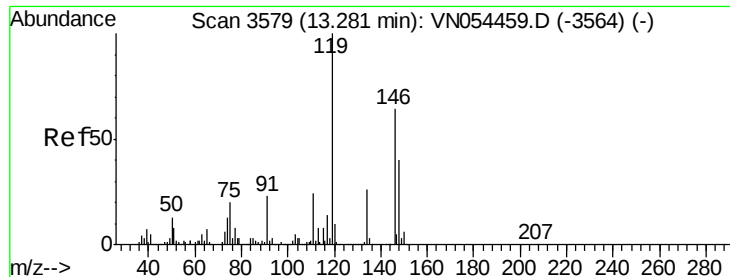
Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

91 23.5 11.1 33.3





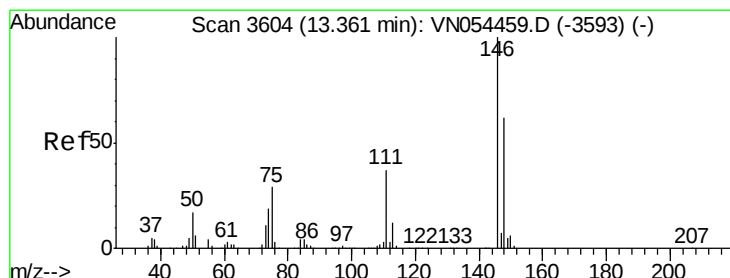
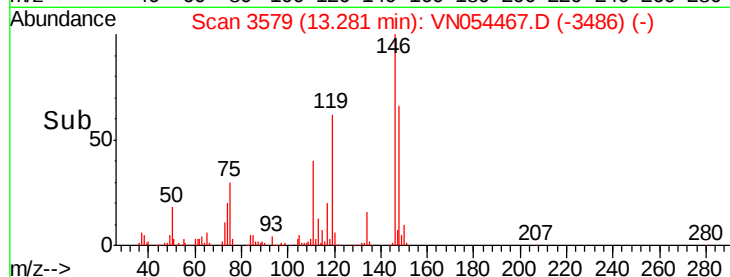
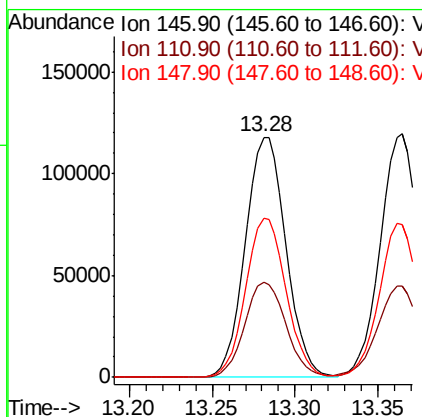
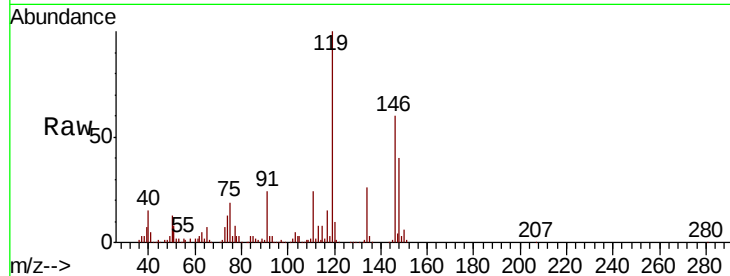
#87
 1,3-Dichlorobenzene
 Concen: 19.370 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054467.D
 Acq: 20 Mar 2019 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	18.8	56.3
148	65.9	32.2	96.6

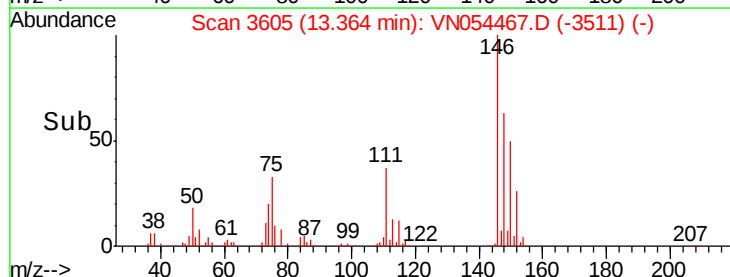
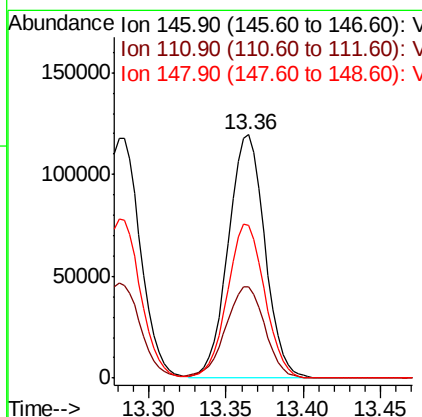
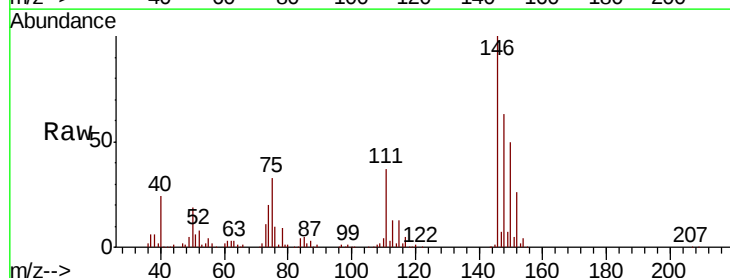
Manual Integrations
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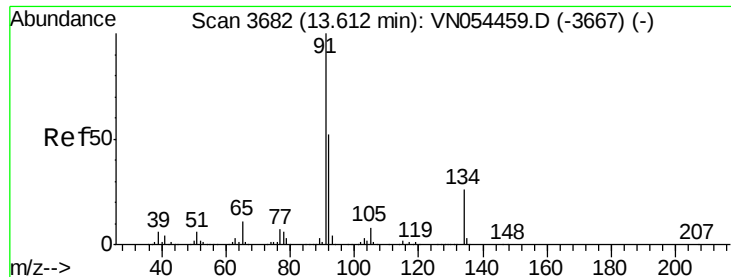
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#88
 1,4-Dichlorobenzene
 Concen: 19.313 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054467.D
 Acq: 20 Mar 2019 16:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	18.1	54.1
148	64.6	32.0	96.0





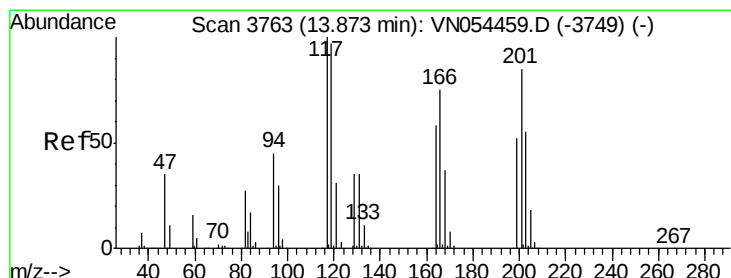
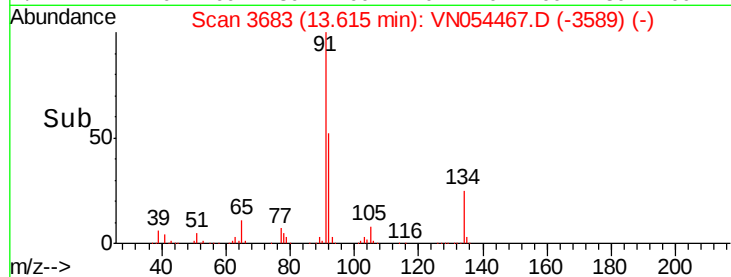
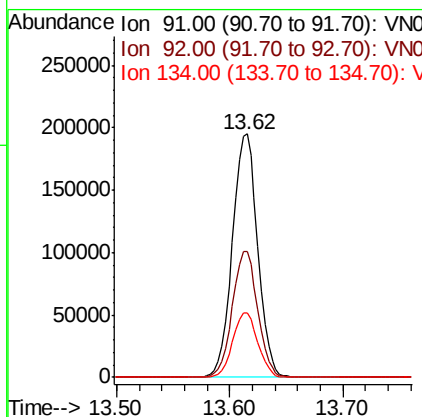
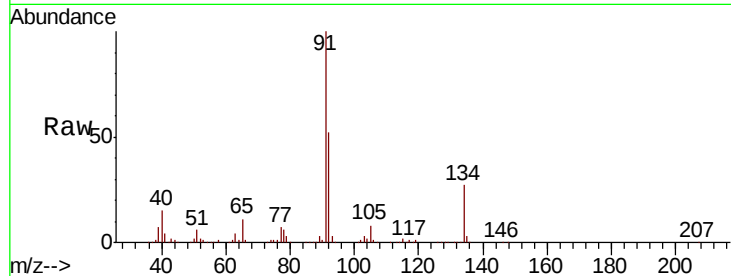
#89
n-Butylbenzene
Concen: 19.221 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Instrument :
MSVOA_N
ClientSampled :
VN0320MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.9	26.2	78.6	
134	26.5	14.3	42.9	

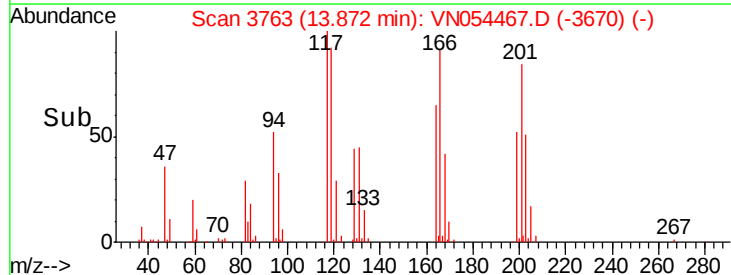
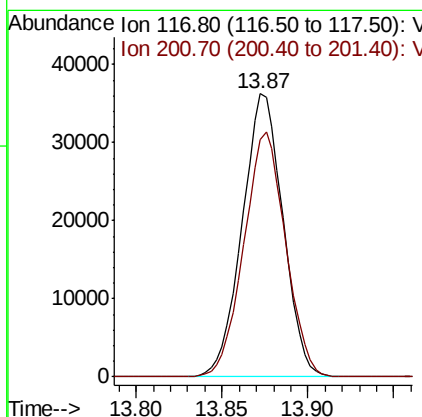
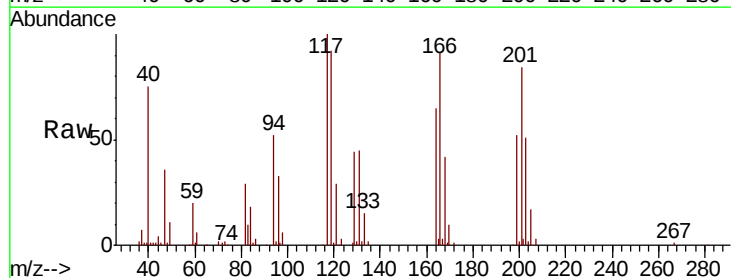
Manual Integrations
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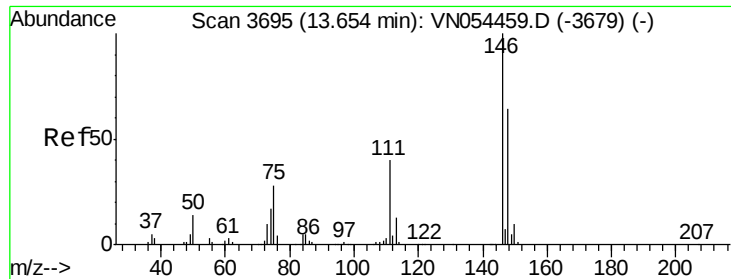
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#90
Hexachloroethane
Concen: 19.024 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	88.2	48.1	144.4	





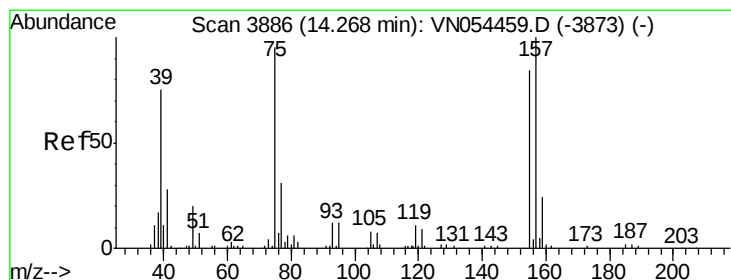
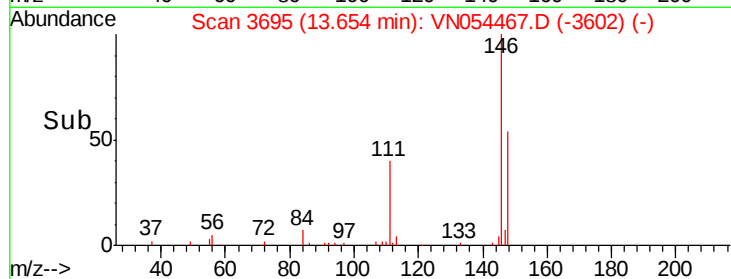
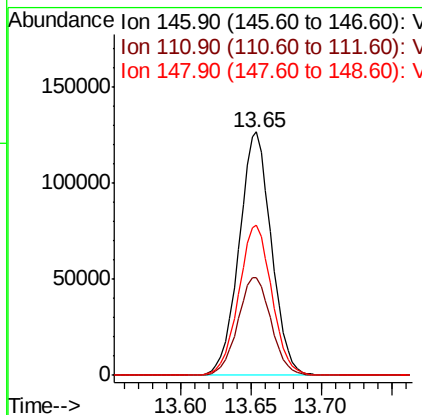
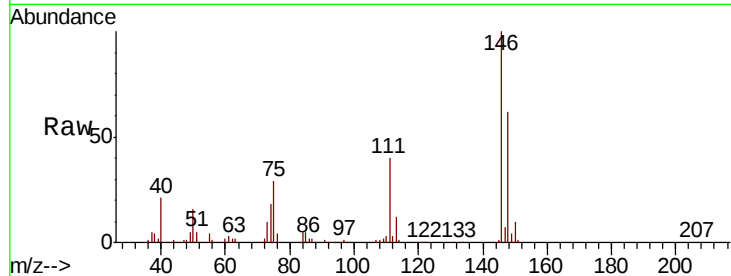
#91
 1,2-Dichlorobenzene
 Concen: 20.083 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054467.D
 Acq: 20 Mar 2019 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.1	57.3
148	63.4	32.4	97.0

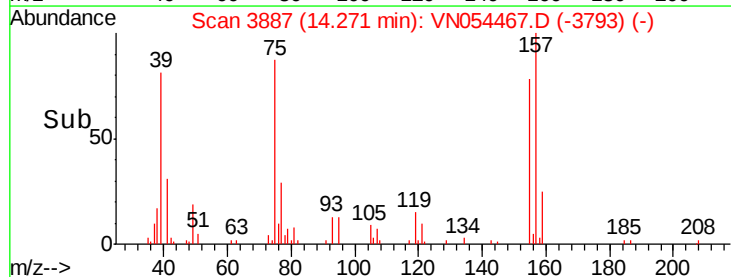
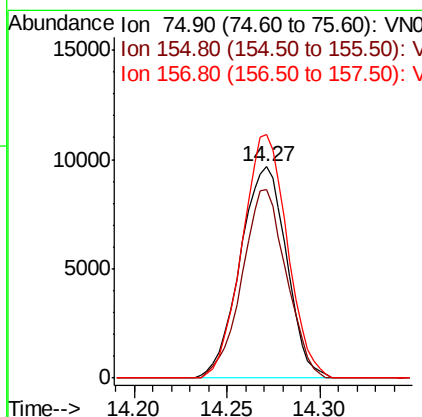
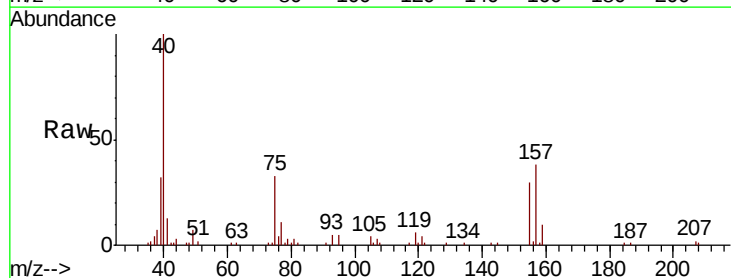
Manual Integrations
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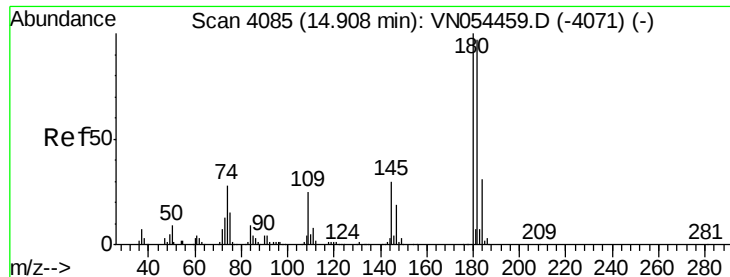
MMDadoda
 3/22/2019 3:50:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.914 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054467.D
 Acq: 20 Mar 2019 16:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.8	50.1	150.3
157	112.1	63.1	189.3





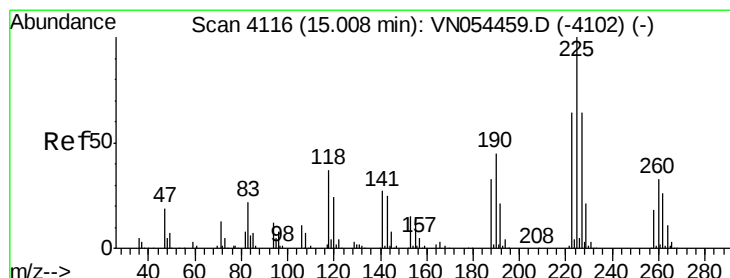
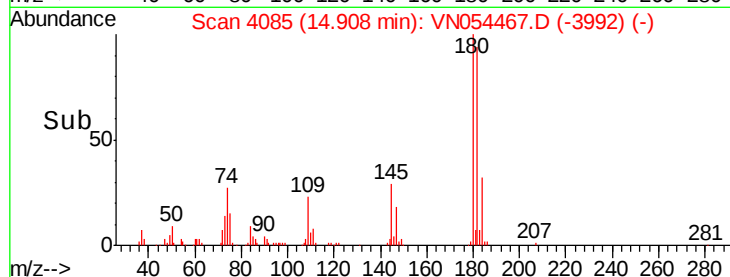
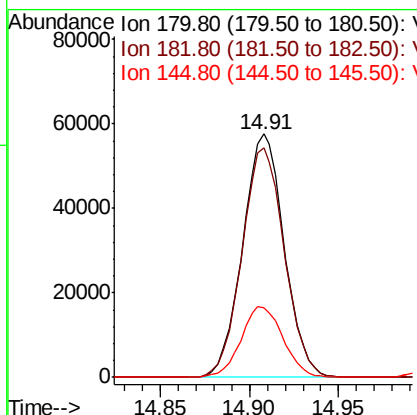
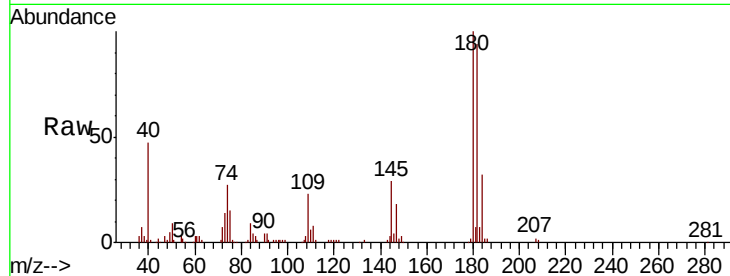
#93
 1,2,4-Trichlorobenzene
 Concen: 18.572 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054467.D
 Acq: 20 Mar 2019 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.1	48.0	144.2	
145	29.3	14.2	42.8	

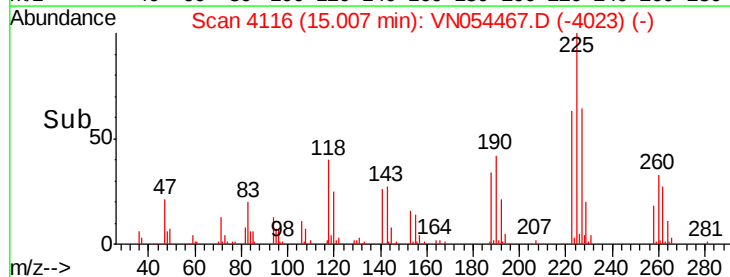
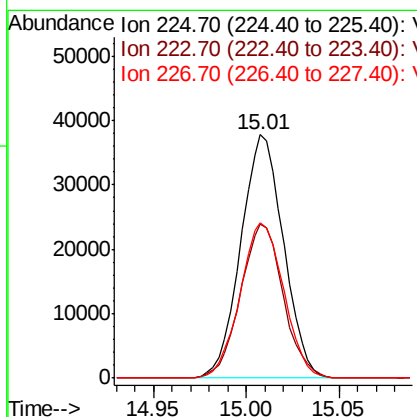
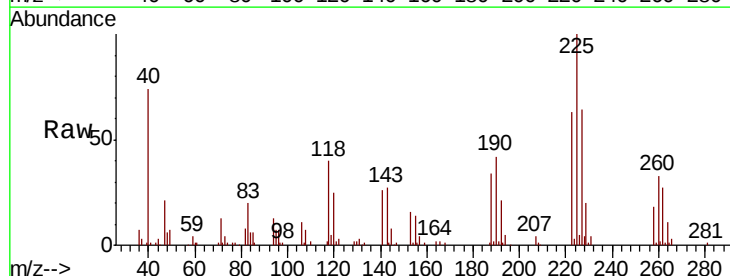
Manual Integrations
 APPROVED

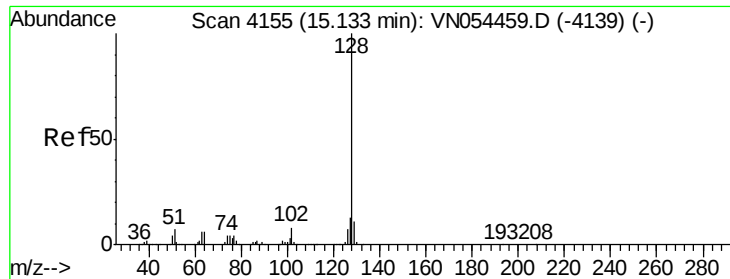
MMDadoda
 3/22/2019 3:50:49 PM



#94
 Hexachlorobutadiene
 Concen: 19.950 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054467.D
 Acq: 20 Mar 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	31.1	93.5	
227	64.8	31.9	95.9	





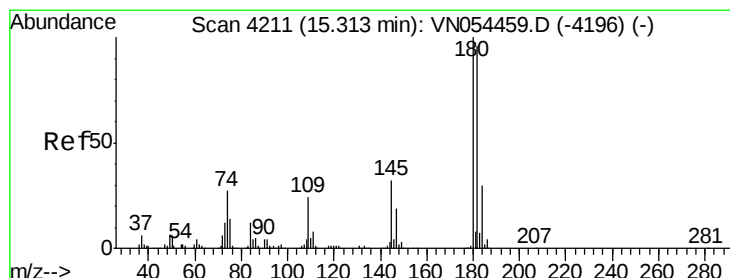
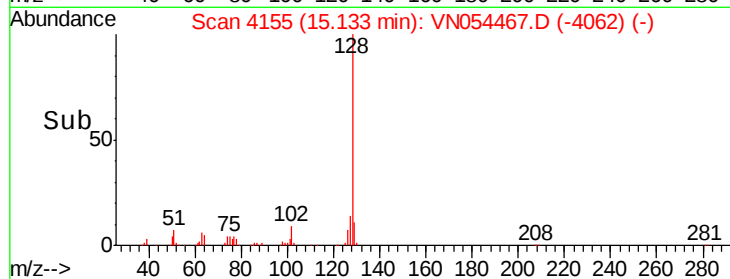
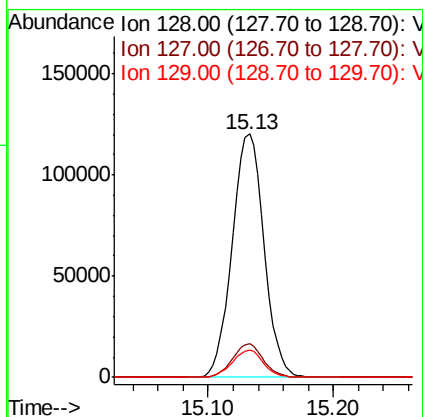
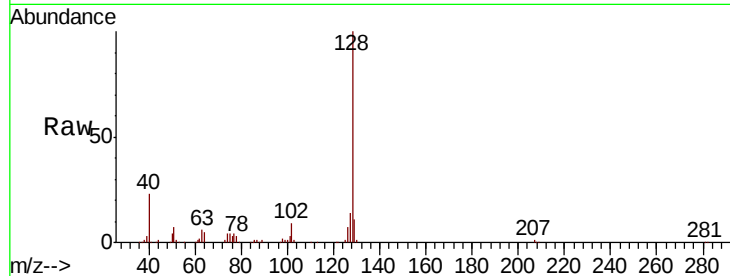
#95
Naphthalene
Concen: 18.834 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN0320MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

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3/22/2019 3:50:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.944 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054467.D
Acq: 20 Mar 2019 16:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.5	142.6
145	30.1	14.8	44.3

