

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111821\
 Data File : VN069562.D
 Acq On : 18 Nov 2021 19:08
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 03:20:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

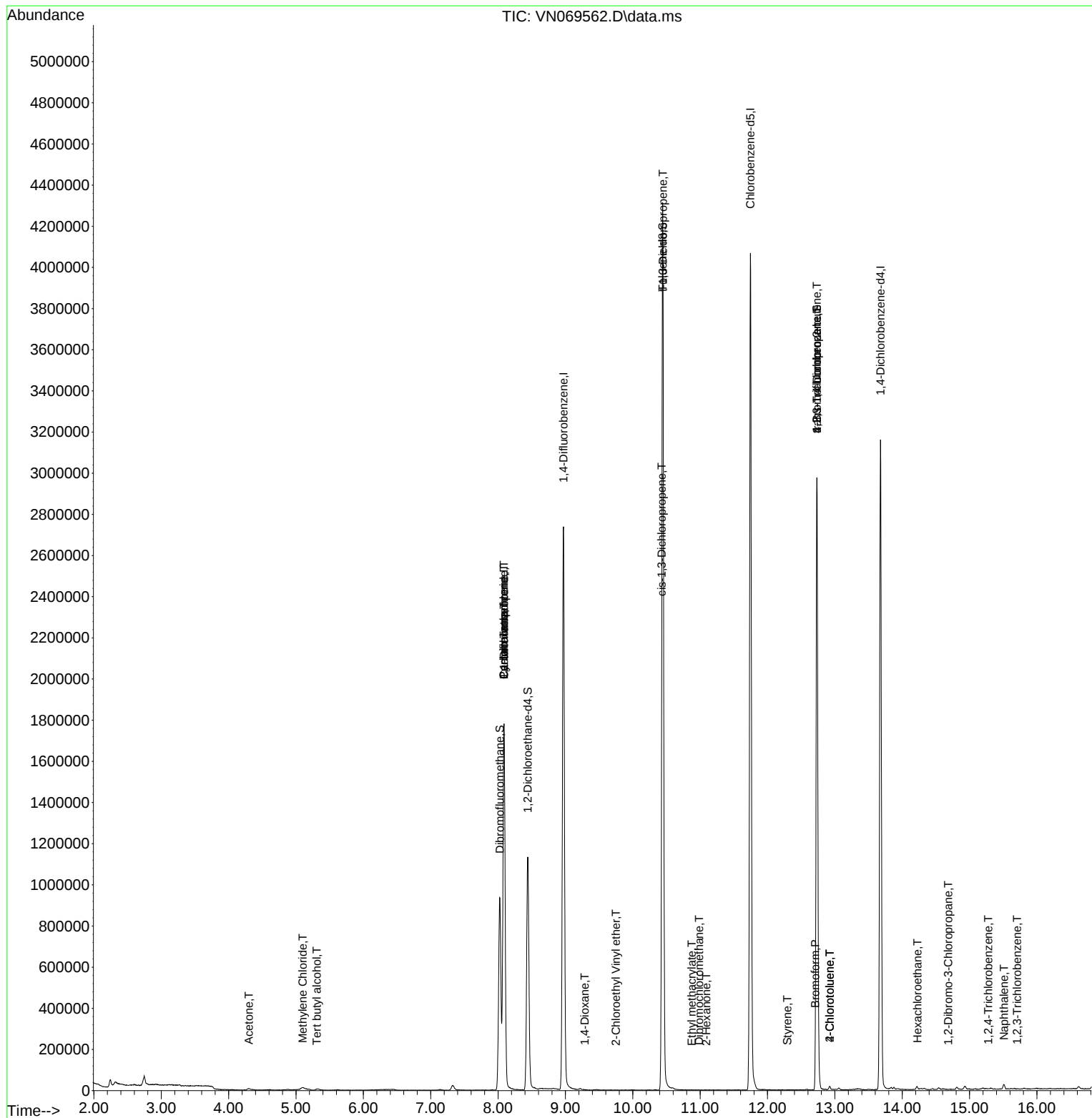
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1325608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	2340927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2302904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	836613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	981111	51.045	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.080%	
35) Dibromofluoromethane	8.027	113	674274	48.026	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.060%	
50) Toluene-d8	10.443	98	2969318	53.774	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 107.540%	
62) 4-Bromofluorobenzene	12.733	95	1031132	50.832	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 101.660%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.307	59	952	0.275	ug/l	# 86
13) Acrolein	4.036	56	299	Below Cal		93
16) Acetone	4.299	43	7377	0.711	ug/l	# 85
20) Methylene Chloride	5.098	84	5324	0.362	ug/l	95
31) Cyclohexane	8.088	56	35598	1.356	ug/l	# 39
36) 1,1-Dichloropropene	8.088	75	114009	5.788	ug/l	# 49
38) Carbon Tetrachloride	8.088	117	136372	7.171	ug/l	# 16
49) 1,4-Dioxane	9.287	88	106	39.314	ug/l	# 1
53) t-1,3-Dichloropropene	10.446	75	878	2.671	ug/l	# 1
54) cis-1,3-Dichloropropene	10.430	75	116	1.737	ug/l	# 1
56) Ethyl methacrylate	10.875	69	84	2.056	ug/l	# 1
58) 2-Chloroethyl Vinyl ether	9.751	63	61	22.778	ug/l	# 45
59) 2-Hexanone	11.092	43	122	7.947	ug/l	88
60) Dibromochloromethane	10.985	129	107	2.423	ug/l	# 11
70) Styrene	12.296	104	149	1.523	ug/l	# 26
71) Bromoform	12.707	173	187	3.441	ug/l	# 29
76) 1,2,3-Trichloropropane	12.733	75	573860	29.723	ug/l	# 1
79) 2-Chlorotoluene	12.924	91	12565	0.271	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	12.733	75	573860	84.022	ug/l	# 5
82) 4-Chlorotoluene	12.924	91	12565	0.284	ug/l	# 38
90) Hexachloroethane	14.227	117	1155	2.277	ug/l	# 6
92) 1,2-Dibromo-3-Chloropr...	14.683	75	26	1.803	ug/l	# 1
93) 1,2,4-Trichlorobenzene	15.276	180	226	3.129	ug/l	# 34
95) Naphthalene	15.512	128	19826	4.937	ug/l	# 93
96) 1,2,3-Trichlorobenzene	15.705	180	51	3.173	ug/l	# 1

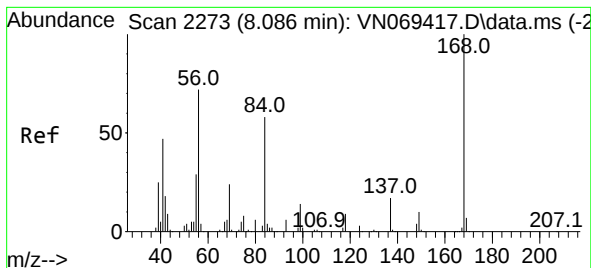
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 21

Delta R.T. 0.002 min

Lab File: VN069562.D

Acq: 18 Nov 2021 19:08

Instrument :

MSVOA_N

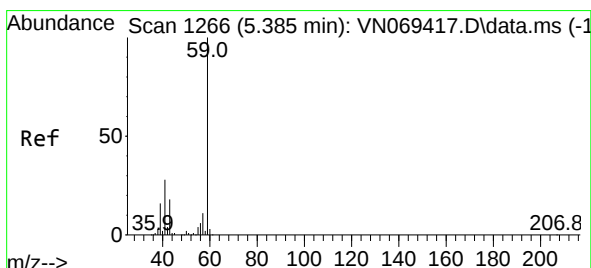
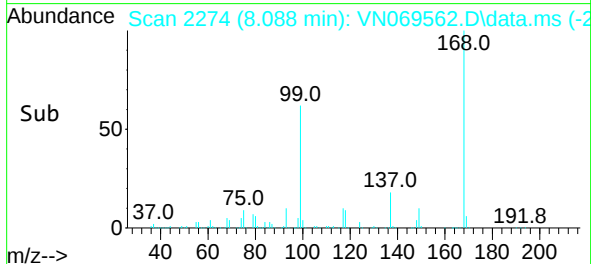
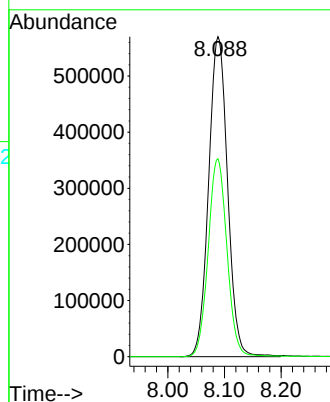
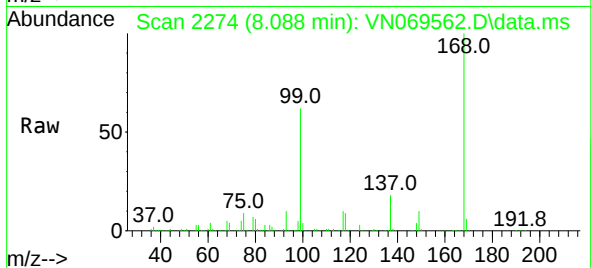
ClientSampleId :

Tgt Ion:168 Resp: 1325608

Ion Ratio Lower Upper

168 100

99 61.9 41.3 61.9



#11

Tert butyl alcohol

Concen: 0.275 ug/l

RT: 5.307 min Scan# 1237

Delta R.T. -0.078 min

Lab File: VN069562.D

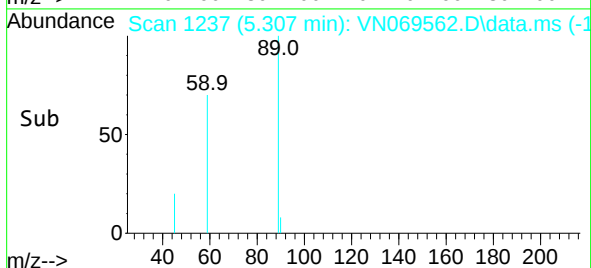
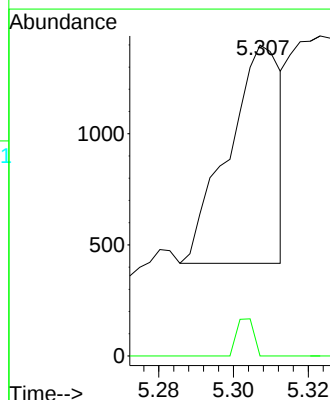
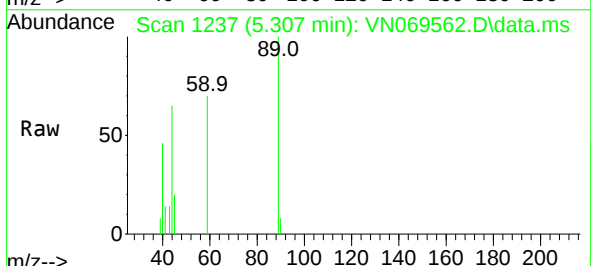
Acq: 18 Nov 2021 19:08

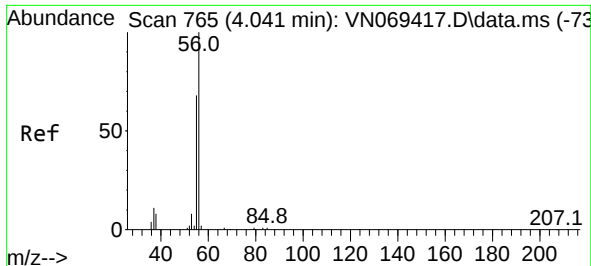
Tgt Ion: 59 Resp: 952

Ion Ratio Lower Upper

59 100

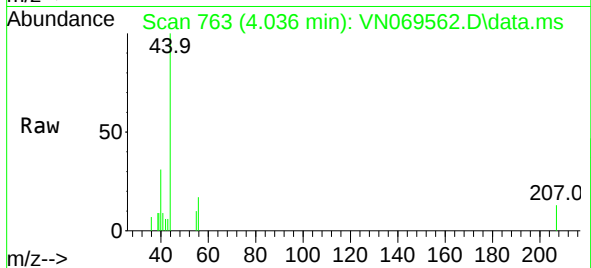
57 5.6 8.7 13.1#



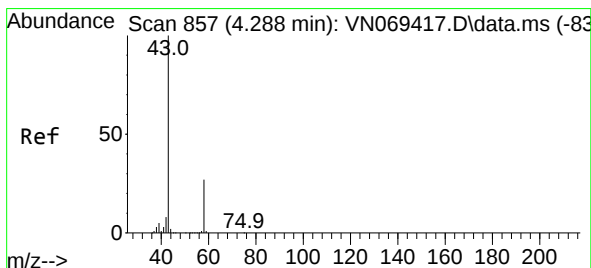
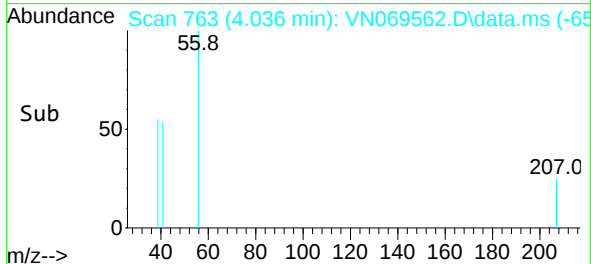
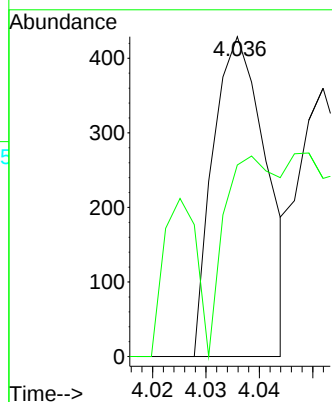


#13
Acrolein
Concen: Below Cal
RT: 4.036 min Scan# 763
Delta R.T. -0.005 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

Instrument :
MSVOA_N
ClientSampleId :

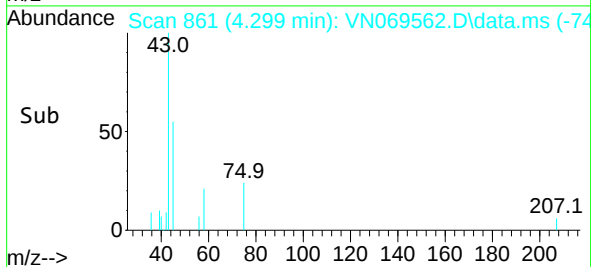
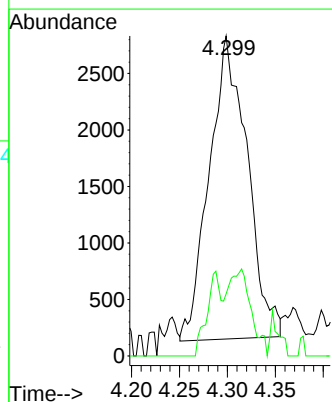
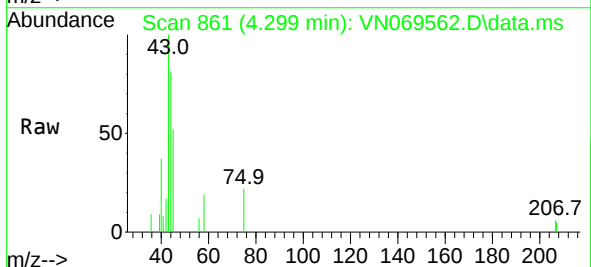


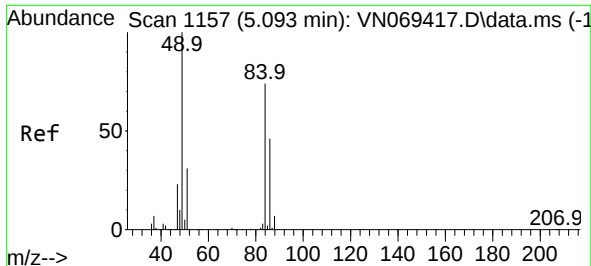
Tgt Ion: 56 Resp: 299
Ion Ratio Lower Upper
56 100
55 64.9 56.6 85.0



#16
Acetone
Concen: 0.711 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

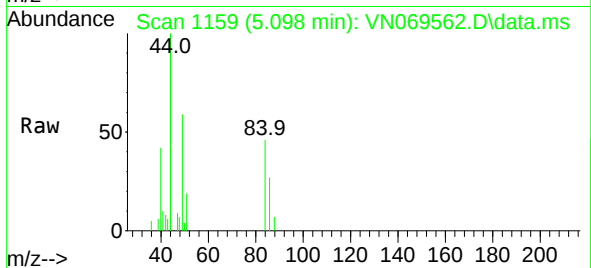
Tgt Ion: 43 Resp: 7377
Ion Ratio Lower Upper
43 100
58 20.7 23.1 34.7#



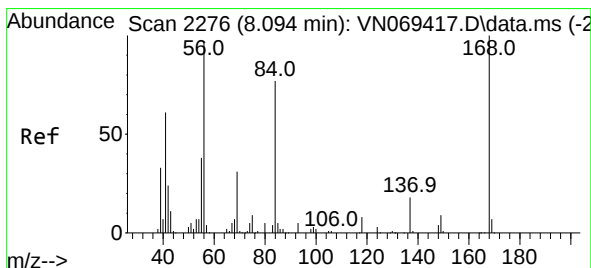
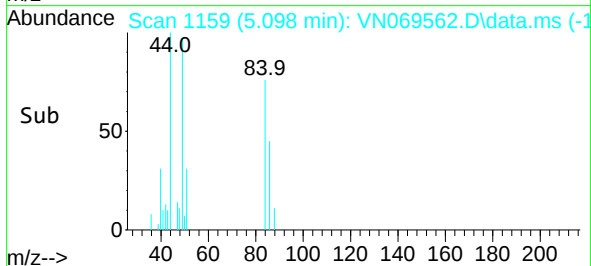
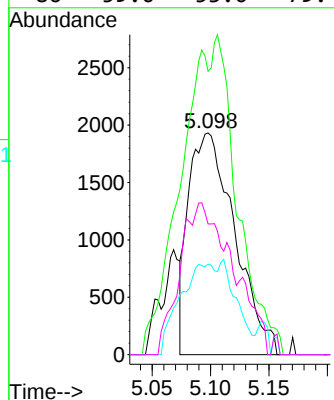


#20
Methylene Chloride
Concen: 0.362 ug/l
RT: 5.098 min Scan# 1157
Delta R.T. 0.005 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

Instrument :
MSVOA_N
ClientSampleId :

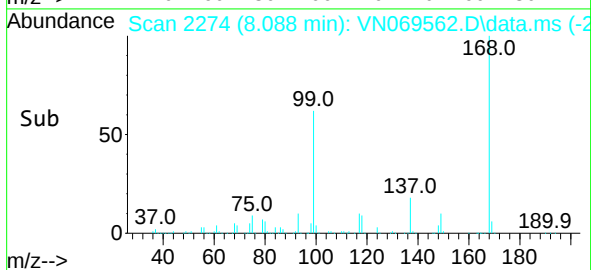
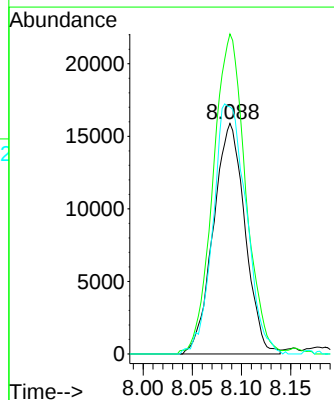
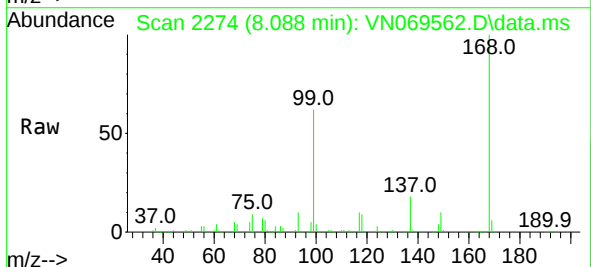


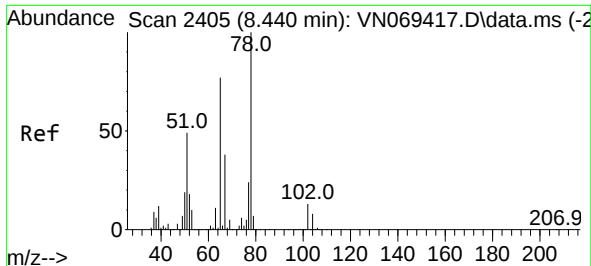
Tgt Ion:	84	Resp:	5324
Ion	Ratio	Lower	Upper
84	100		
49	119.9	93.5	140.3
51	40.8	29.4	44.2
86	59.0	53.0	79.4



#31
Cyclohexane
Concen: 1.356 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

Tgt Ion:	56	Resp:	35598
Ion	Ratio	Lower	Upper
56	100		
69	137.4	27.1	40.7#
84	107.1	73.4	110.0





#33

1,2-Dichloroethane-d4

Concen: 51.045 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN069562.D

Acq: 18 Nov 2021 19:08

Instrument :

MSVOA_N

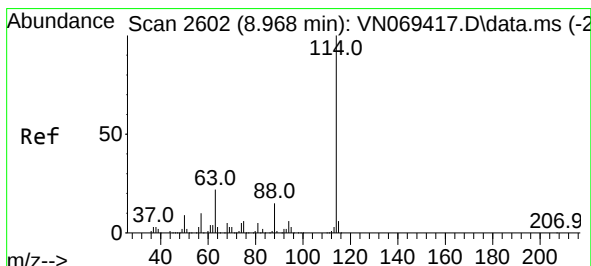
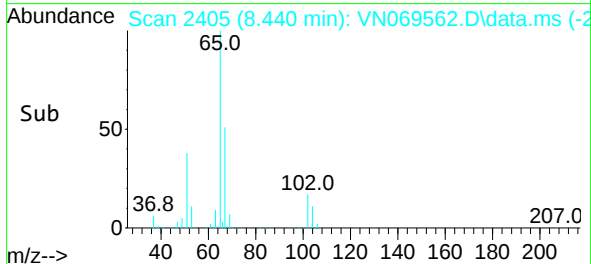
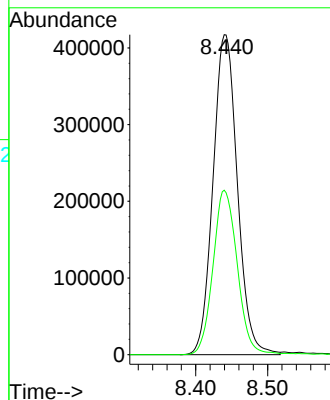
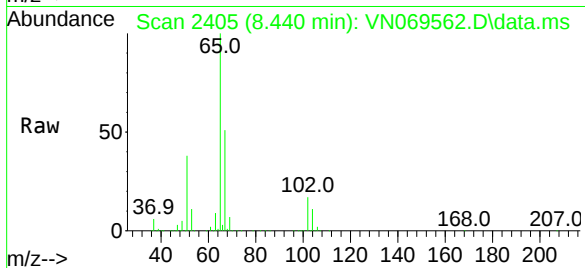
ClientSampleId :

Tgt Ion: 65 Resp: 981111

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN069562.D

Acq: 18 Nov 2021 19:08

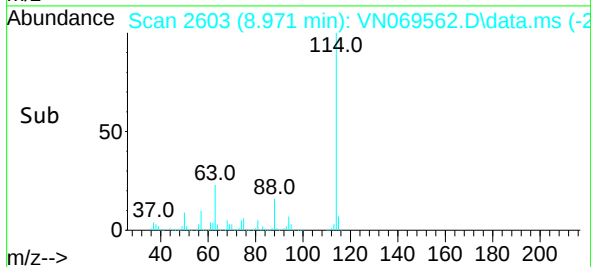
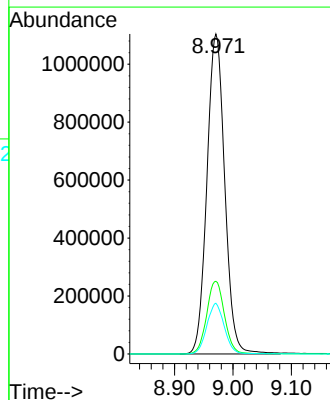
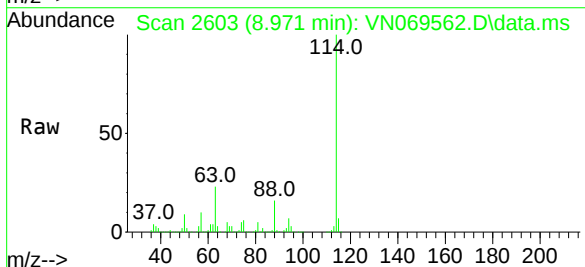
Tgt Ion: 114 Resp: 2340927

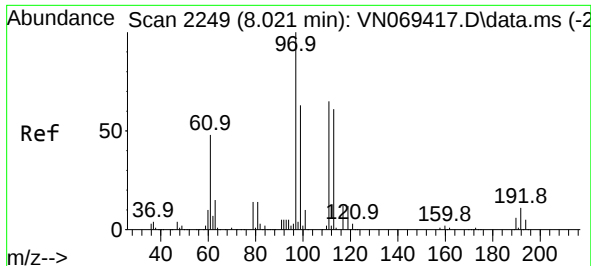
Ion Ratio Lower Upper

114 100

63 22.7 0.0 37.8

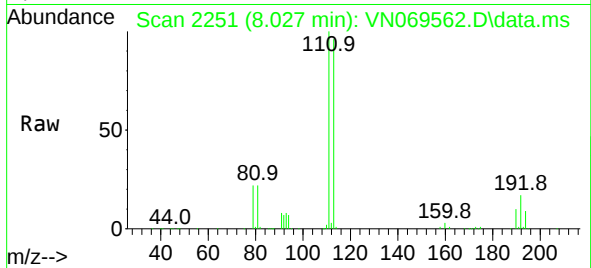
88 15.8 0.0 27.4



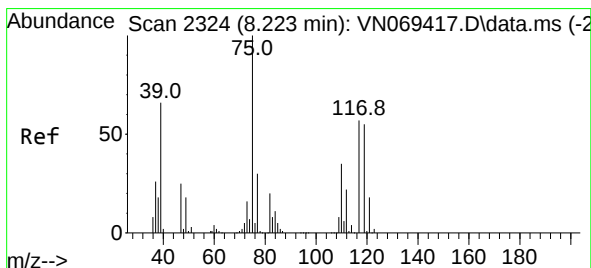
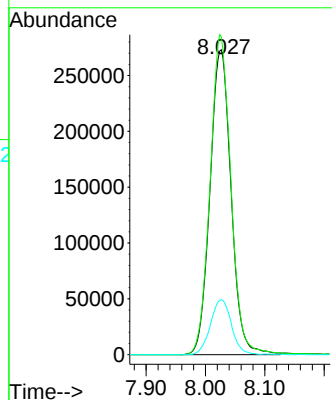
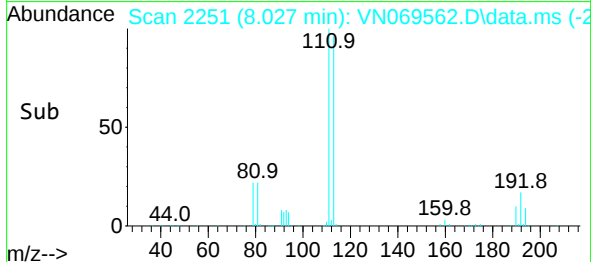


#35
Dibromofluoromethane
Concen: 48.026 ug/l
RT: 8.027 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

Instrument :
MSVOA_N
ClientSampleId :

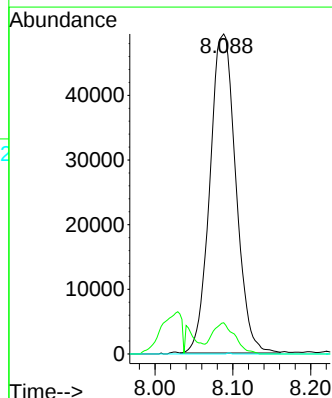
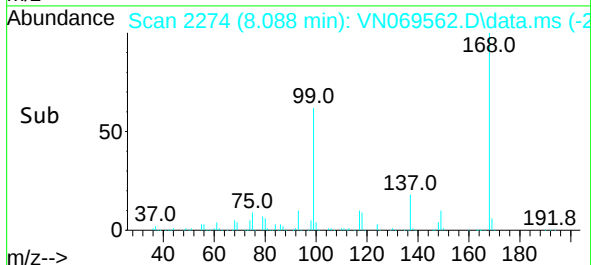
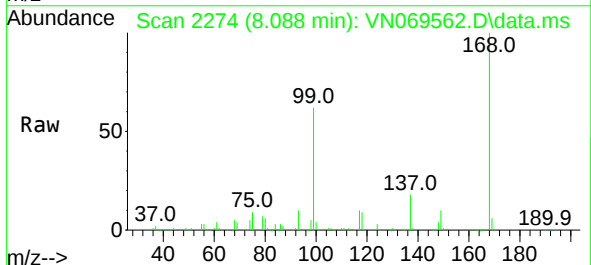


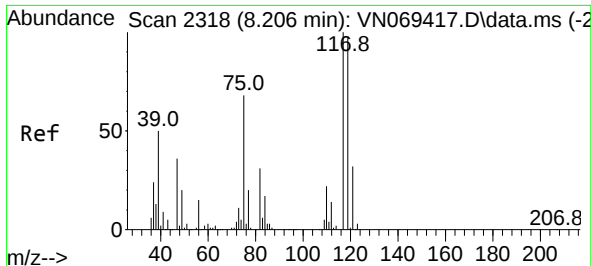
Tgt Ion:113 Resp: 674274
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 18.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.788 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

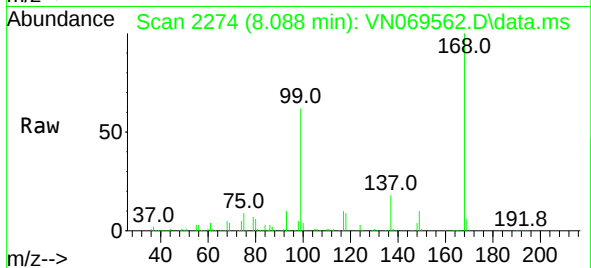
Tgt Ion: 75 Resp: 114009
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.0 24.4 36.6#



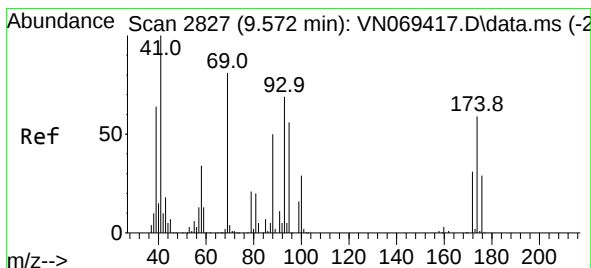
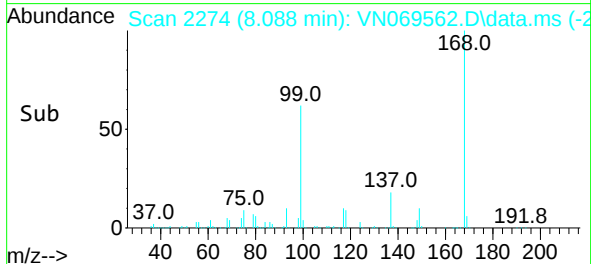
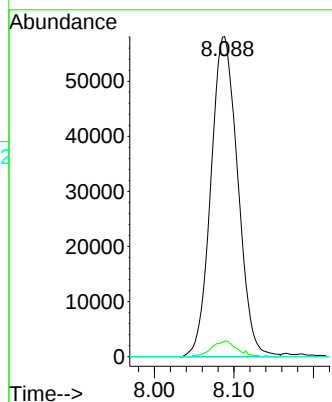


#38
Carbon Tetrachloride
Concen: 7.171 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.118 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

Instrument :
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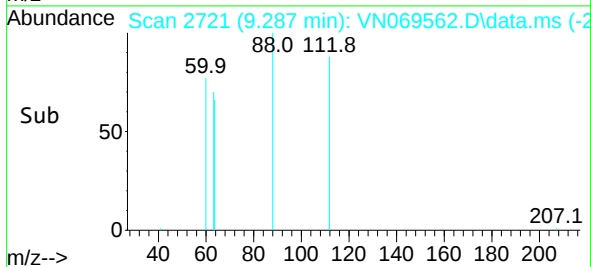
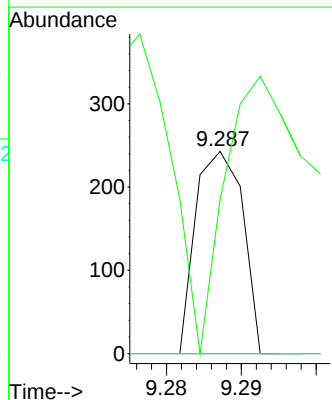
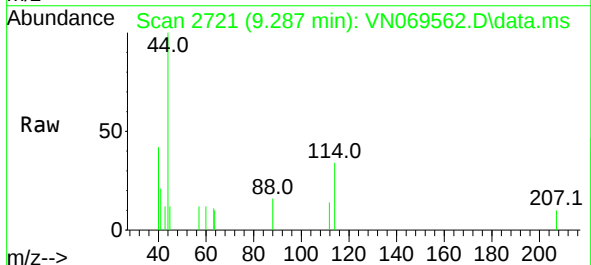


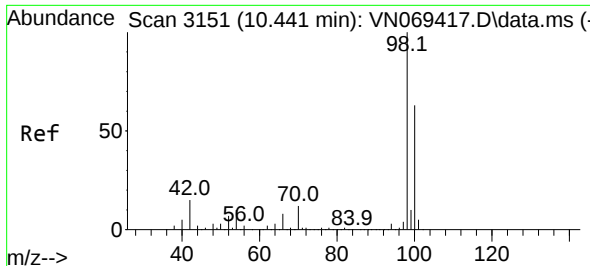
Tgt Ion:117 Resp: 136372
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 39.314 ug/l
RT: 9.287 min Scan# 2721
Delta R.T. -0.285 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

Tgt Ion: 88 Resp: 106
Ion Ratio Lower Upper
88 100
43 263.2 23.4 35.2#
58 0.0 50.6 75.8#

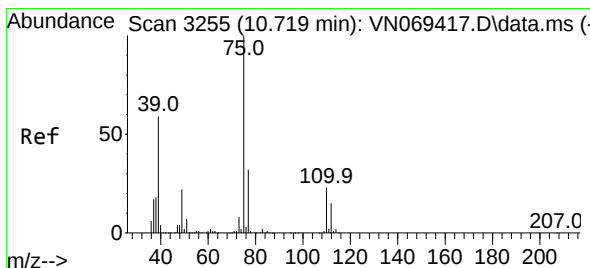
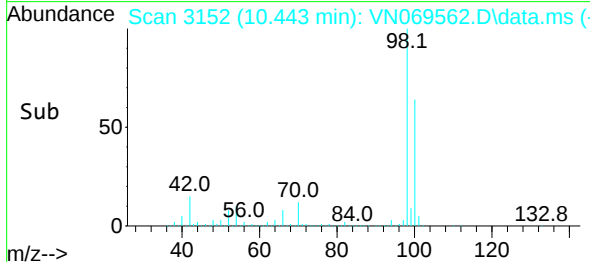
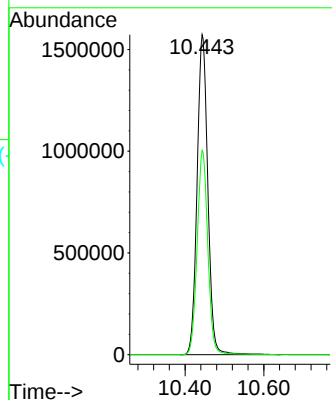
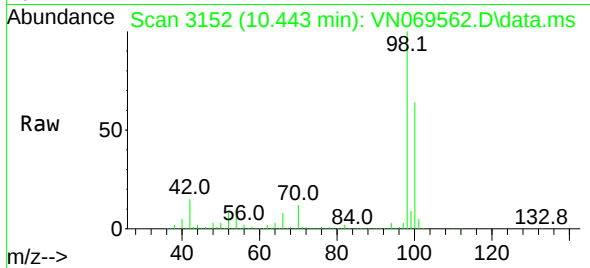




#50
Toluene-d8
Concen: 53.774 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

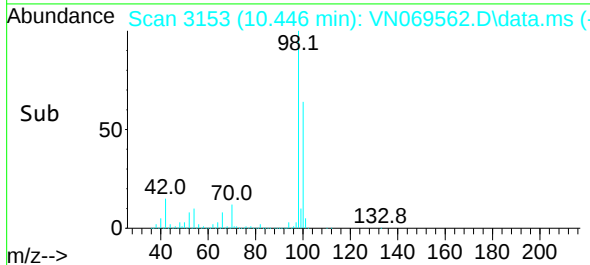
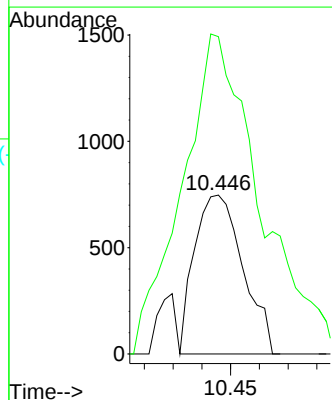
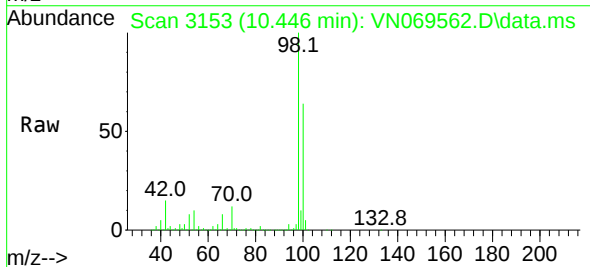
Instrument :
MSVOA_N
ClientSampleId :

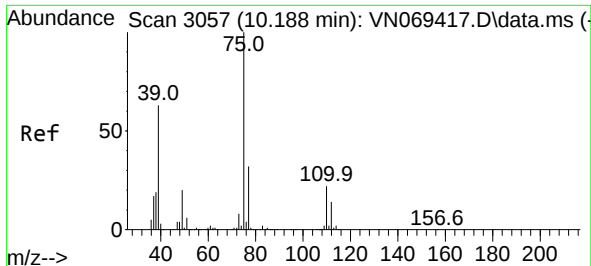
Tgt Ion: 98 Resp: 2969318
Ion Ratio Lower Upper
98 100
100 63.4 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.671 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.273 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

Tgt Ion: 75 Resp: 878
Ion Ratio Lower Upper
75 100
77 125.4 25.6 38.4#

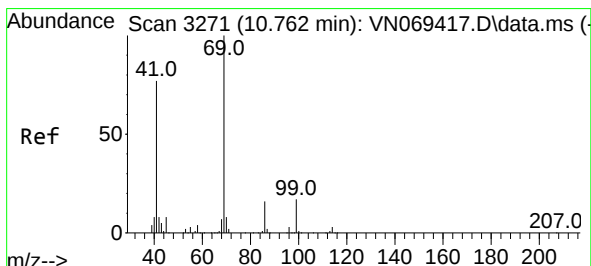
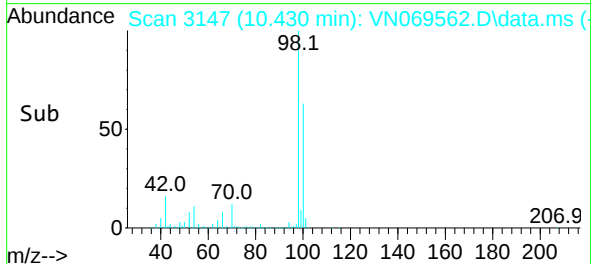
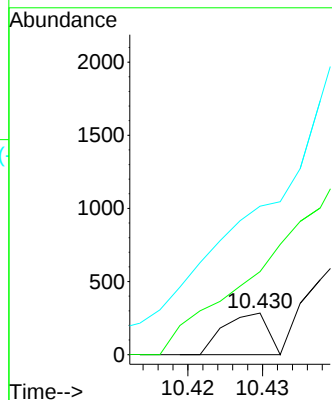
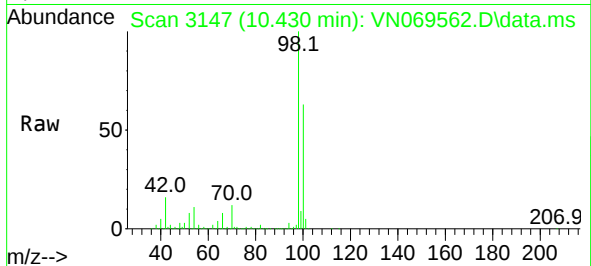




#54
 cis-1,3-Dichloropropene
 Concen: 1.737 ug/l
 RT: 10.430 min Scan# 3116
 Delta R.T. 0.242 min
 Lab File: VN069562.D
 Acq: 18 Nov 2021 19:08

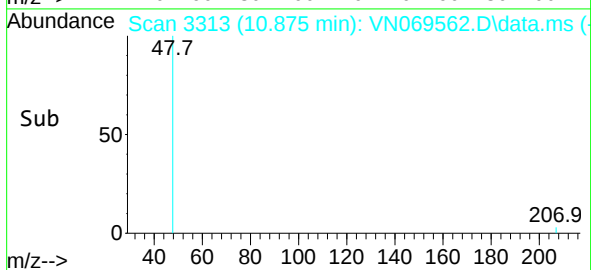
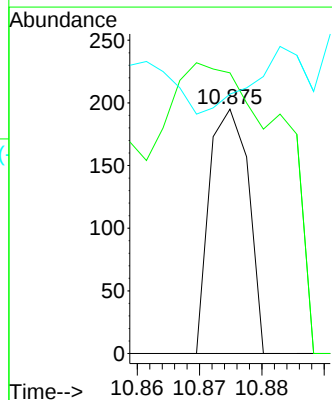
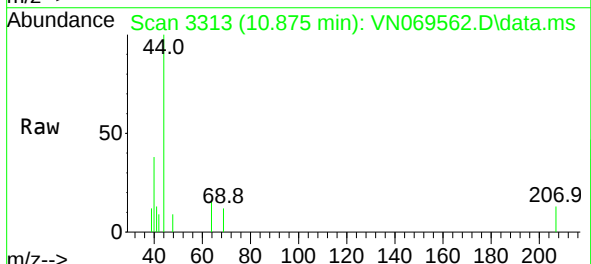
Instrument :
 MSVOA_N
 ClientSampleId :

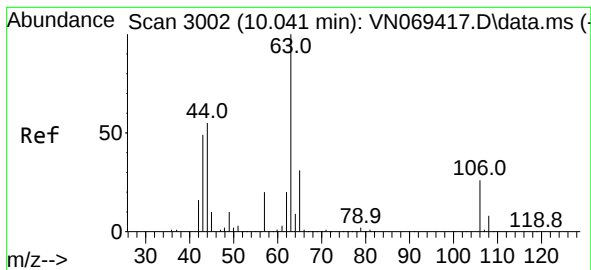
Tgt Ion: 75 Resp: 116
 Ion Ratio Lower Upper
 75 100
 77 129.9 26.4 39.6#
 39 195.1 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.056 ug/l
 RT: 10.875 min Scan# 3313
 Delta R.T. 0.113 min
 Lab File: VN069562.D
 Acq: 18 Nov 2021 19:08

Tgt Ion: 69 Resp: 84
 Ion Ratio Lower Upper
 69 100
 41 350.0 51.4 77.0#
 39 209.5 34.6 52.0#

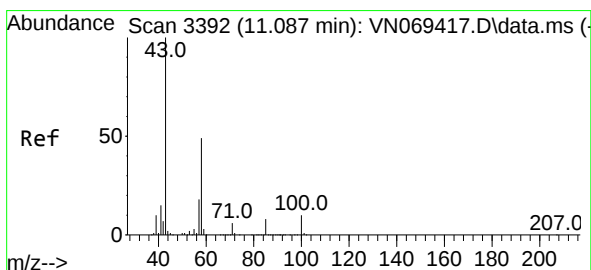
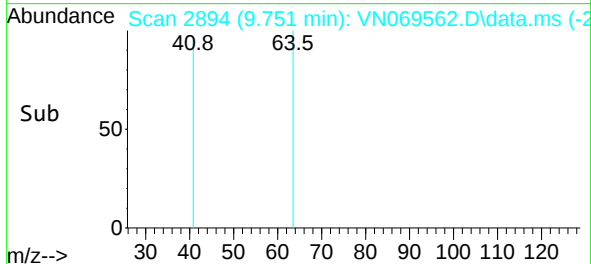
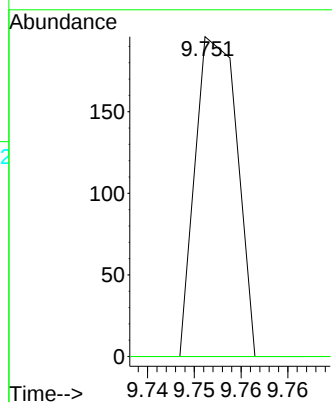
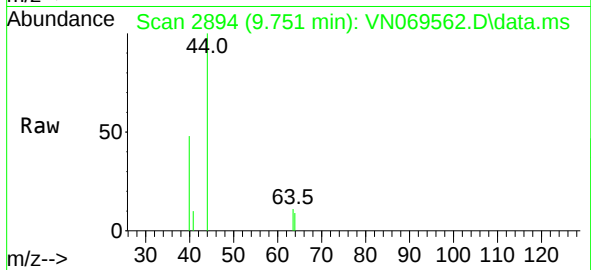




#58
2-Chloroethyl Vinyl ether
Concen: 22.778 ug/l
RT: 9.751 min Scan# 21
Delta R.T. -0.290 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

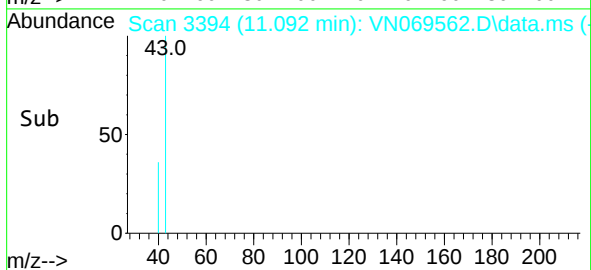
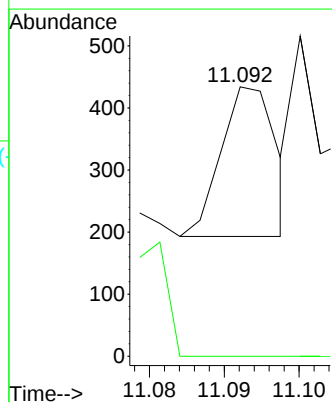
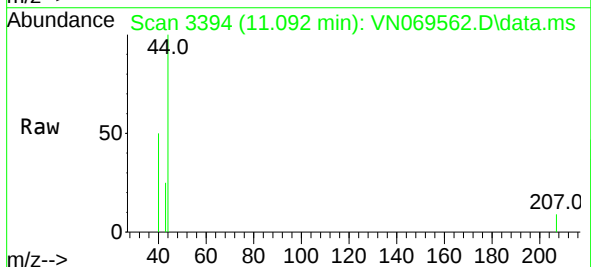
Instrument :
MSVOA_N
ClientSampleId :

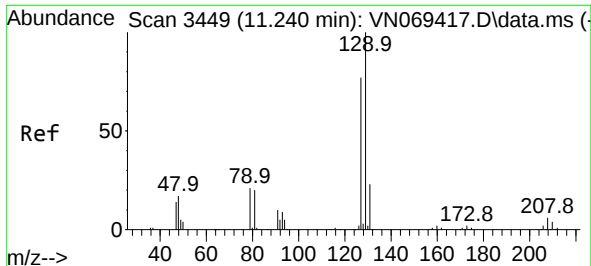
Tgt Ion: 63 Resp: 61
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 7.947 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

Tgt Ion: 43 Resp: 122
Ion Ratio Lower Upper
43 100
58 45.1 26.9 80.7

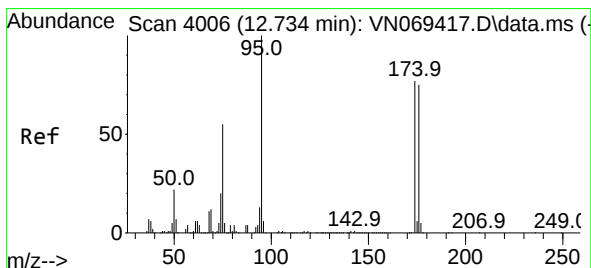
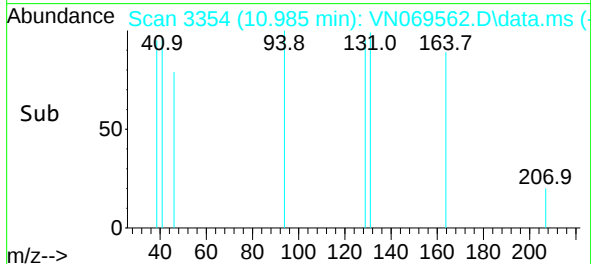
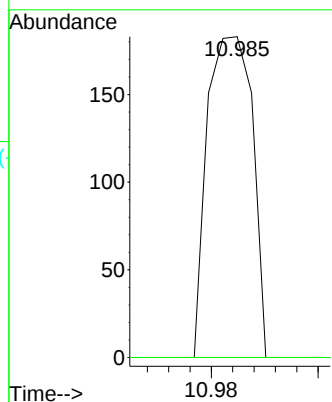
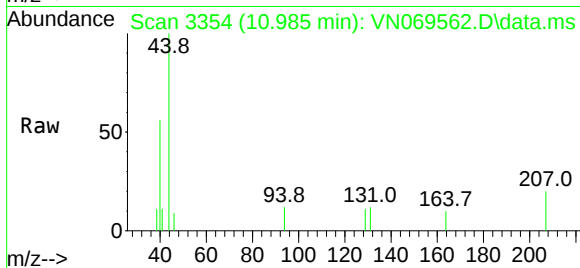




#60
Dibromochloromethane
Concen: 2.423 ug/l
RT: 10.985 min Scan# 31
Delta R.T. -0.255 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

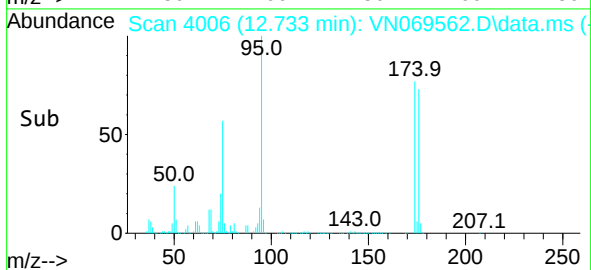
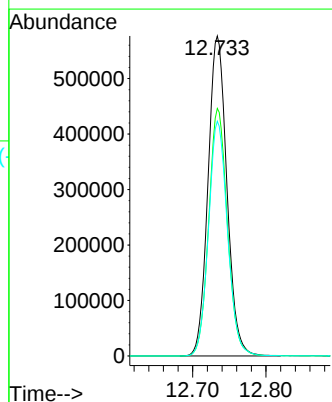
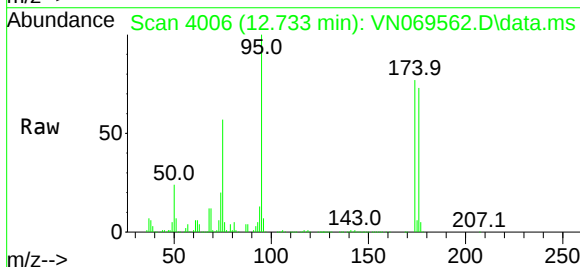
Instrument :
MSVOA_N
ClientSampleId :

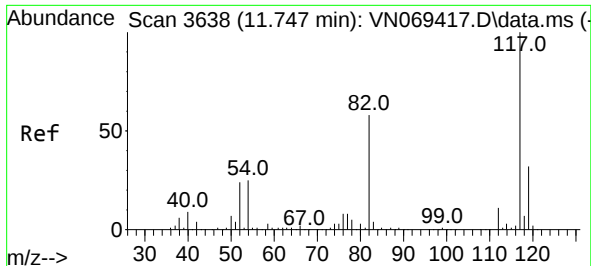
Tgt Ion:129 Resp: 107
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 50.832 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

Tgt Ion: 95 Resp: 1031132
Ion Ratio Lower Upper
95 100
174 76.7 0.0 187.2
176 73.7 0.0 181.4

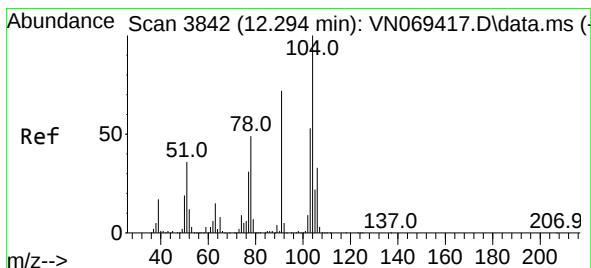
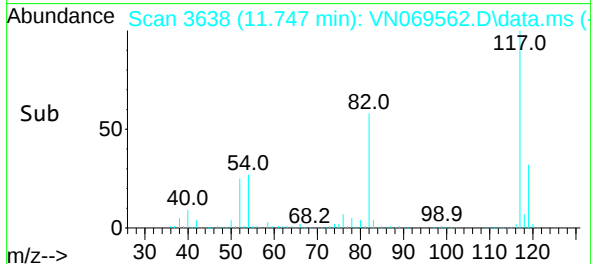
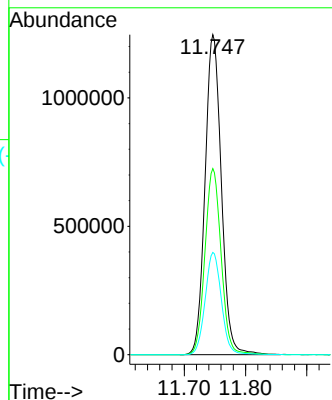
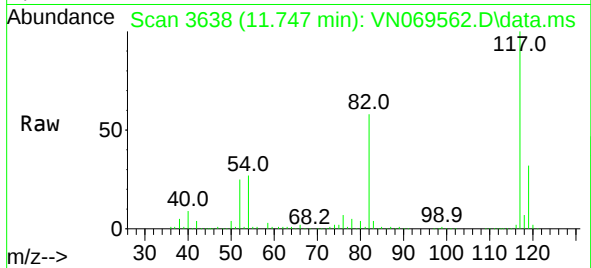




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

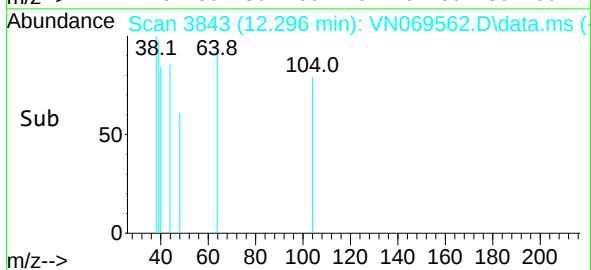
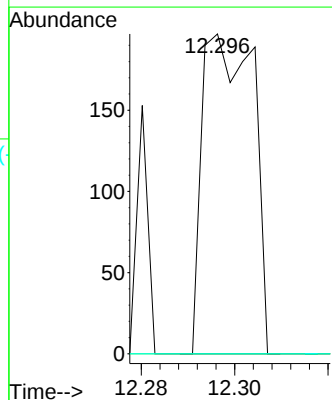
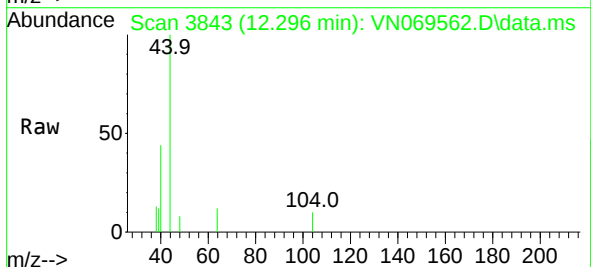
Instrument :
MSVOA_N
ClientSampleId :

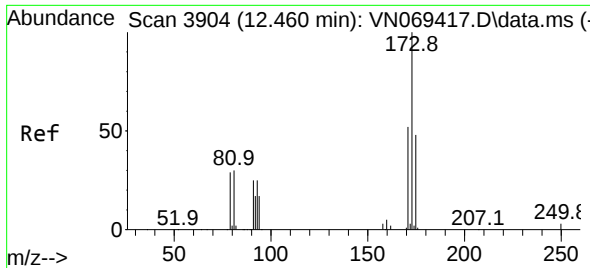
Tgt Ion:117 Resp: 2302904
Ion Ratio Lower Upper
117 100
82 58.2 42.4 63.6
119 31.9 25.4 38.2



#70
Styrene
Concen: 1.523 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.002 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

Tgt Ion:104 Resp: 149
Ion Ratio Lower Upper
104 100
78 0.0 38.7 58.1#
103 0.0 45.0 67.6#

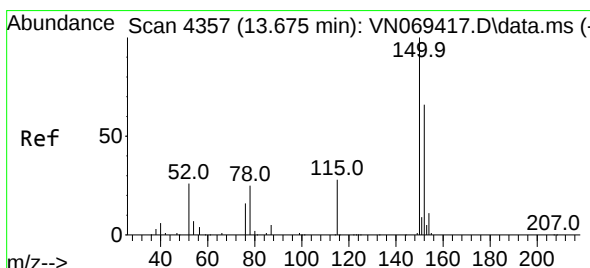
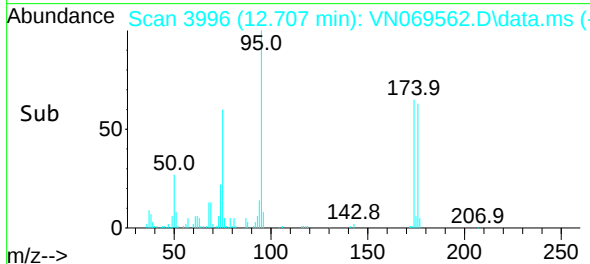
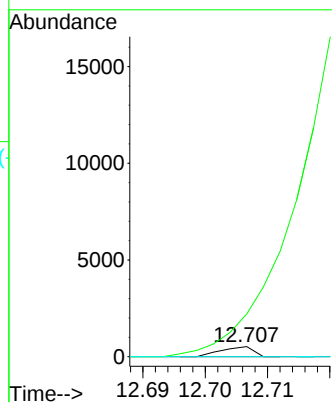
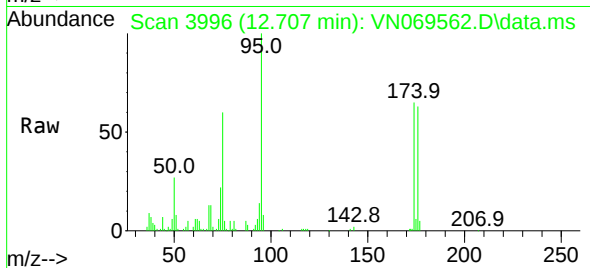




#71
Bromoform
Concen: 3.441 ug/l
RT: 12.707 min Scan# 3904
Delta R.T. 0.247 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

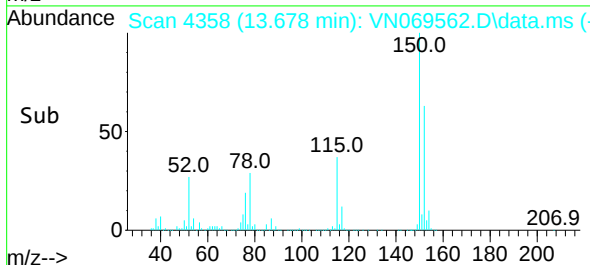
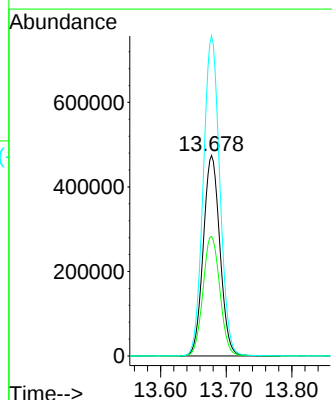
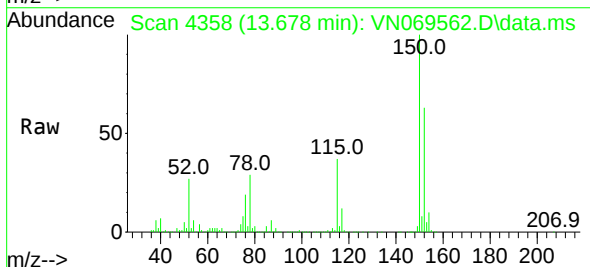
Instrument :
MSVOA_N
ClientSampleId :

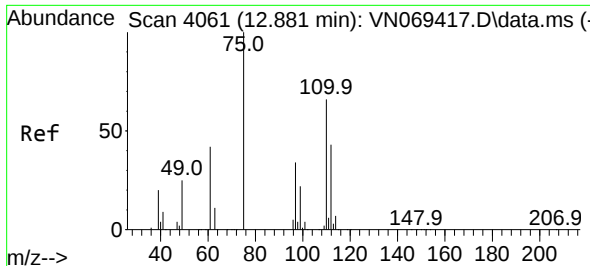
Tgt Ion:173 Resp: 187
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

Tgt Ion:152 Resp: 836613
Ion Ratio Lower Upper
152 100
115 60.4 27.5 82.5
150 158.3 0.0 344.4

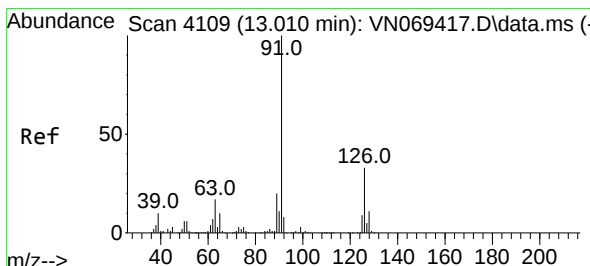
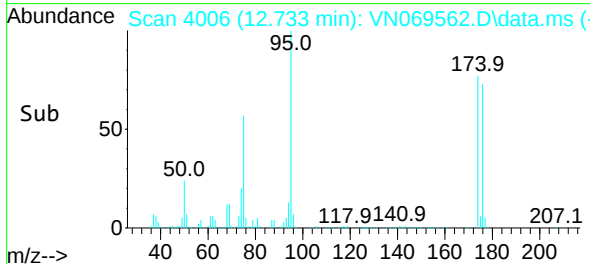
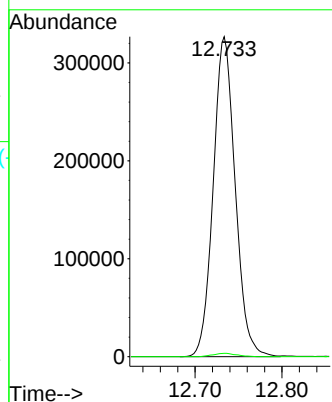
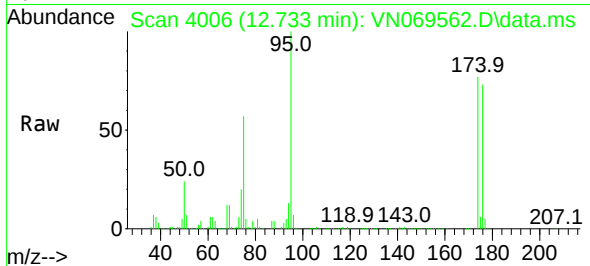




#76
1,2,3-Trichloropropane
Concen: 29.723 ug/l
RT: 12.733 min Scan# 4061
Delta R.T. -0.148 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

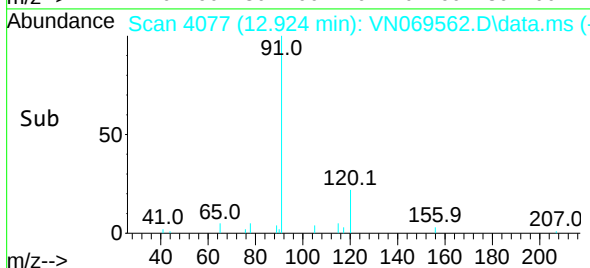
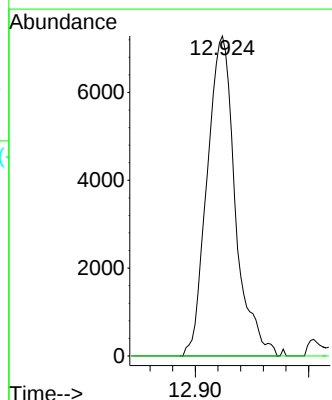
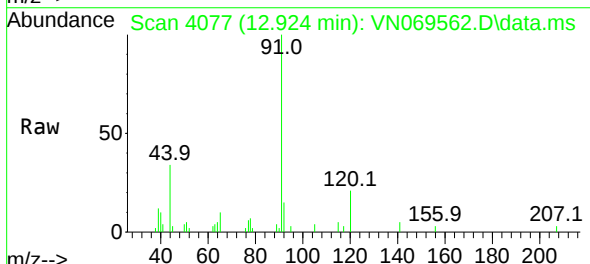
Instrument :
MSVOA_N
ClientSampleId :

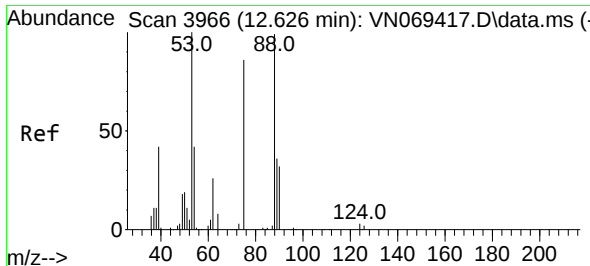
Tgt Ion: 75 Resp: 573860
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#79
2-Chlorotoluene
Concen: 0.271 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. -0.086 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

Tgt Ion: 91 Resp: 12565
Ion Ratio Lower Upper
91 100
126 0.0 18.3 54.8#

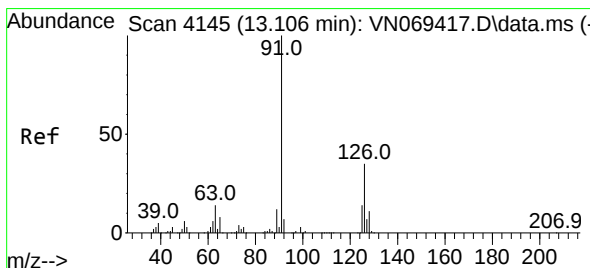
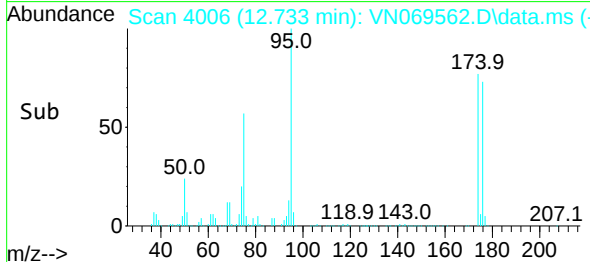
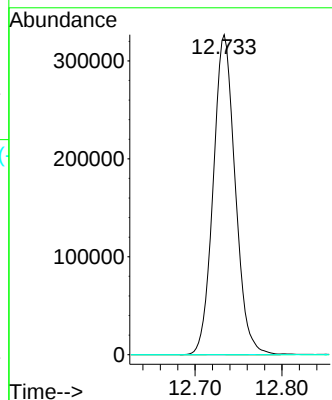
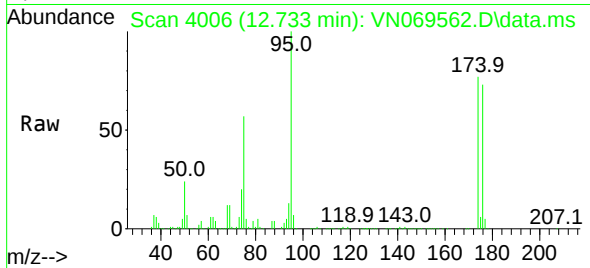




#81
trans-1,4-Dichloro-2-butene
Concen: 84.022 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

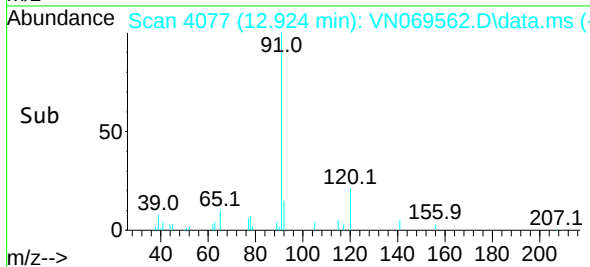
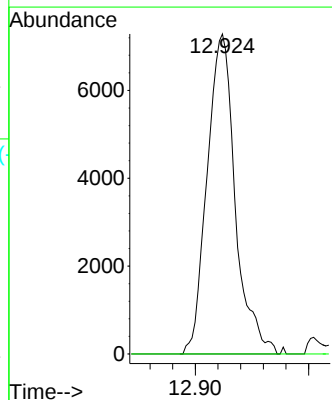
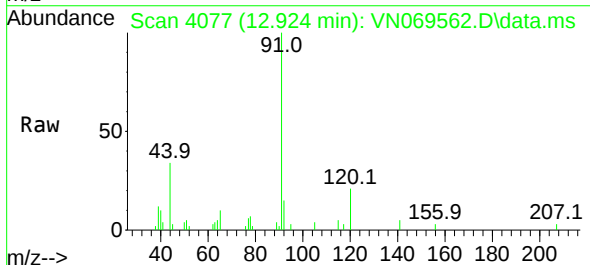
Instrument :
MSVOA_N
ClientSampleId :

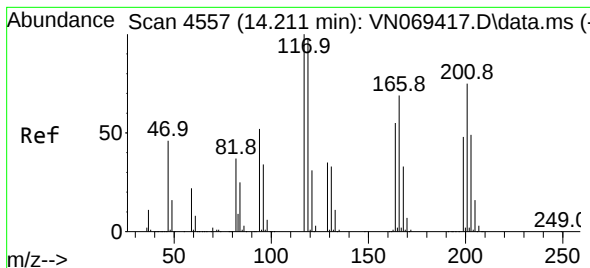
Tgt Ion: 75 Resp: 573860
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#82
4-Chlorotoluene
Concen: 0.284 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. -0.182 min
Lab File: VN069562.D
Acq: 18 Nov 2021 19:08

Tgt Ion: 91 Resp: 12565
Ion Ratio Lower Upper
91 100
126 0.0 18.2 54.6#





#90

Hexachloroethane

Concen: 2.277 ug/l

RT: 14.227 min Scan# 41

Delta R.T. 0.016 min

Lab File: VN069562.D

Acq: 18 Nov 2021 19:08

Instrument :

MSVOA_N

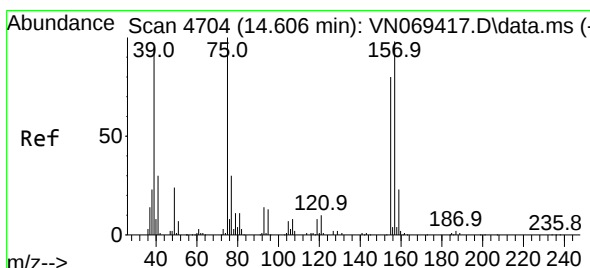
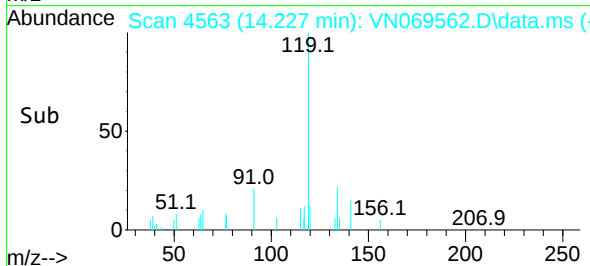
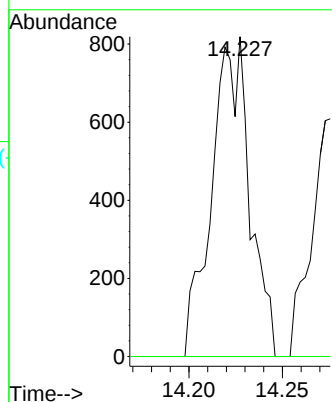
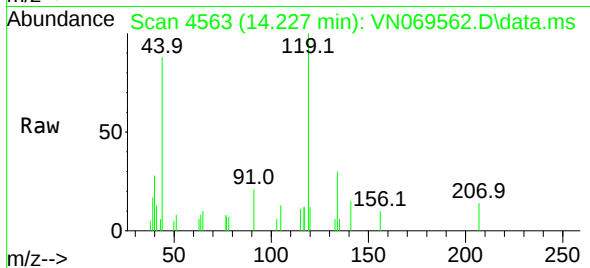
ClientSampleId :

Tgt Ion:117 Resp: 1155

Ion Ratio Lower Upper

117 100

201 0.0 43.9 131.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.803 ug/l

RT: 14.683 min Scan# 4733

Delta R.T. 0.077 min

Lab File: VN069562.D

Acq: 18 Nov 2021 19:08

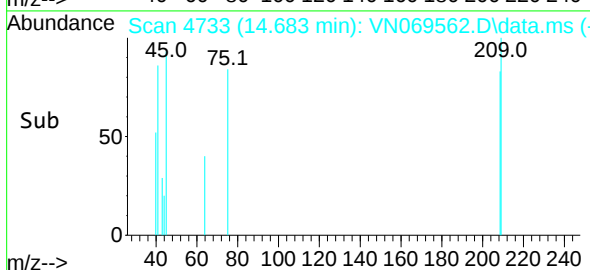
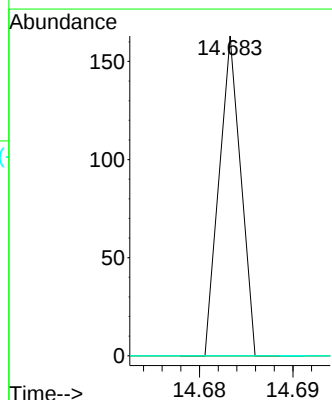
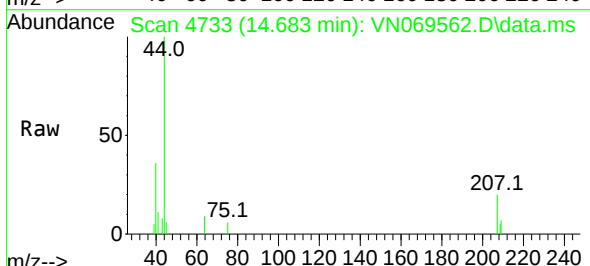
Tgt Ion: 75 Resp: 26

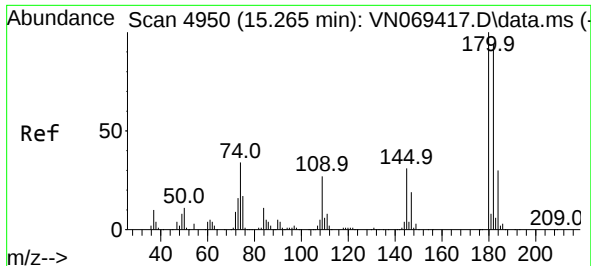
Ion Ratio Lower Upper

75 100

155 0.0 46.9 140.7#

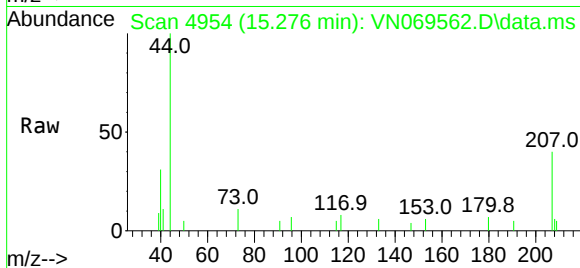
157 0.0 60.6 181.7#



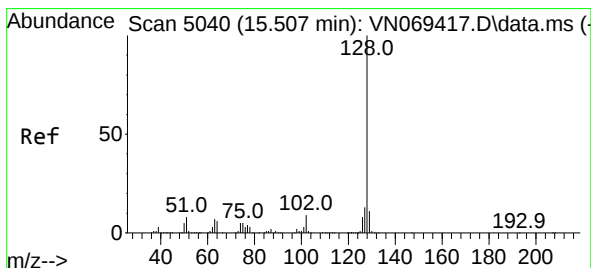
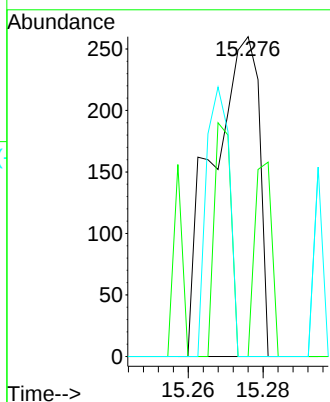
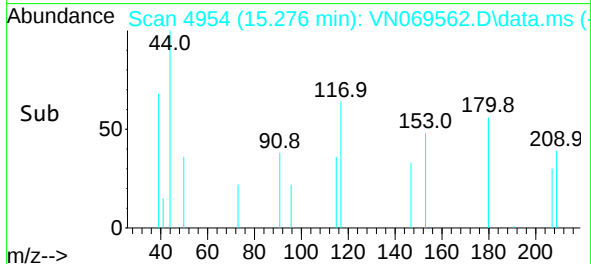


#93
 1,2,4-Trichlorobenzene
 Concen: 3.129 ug/l
 RT: 15.276 min Scan# 4954
 Delta R.T. 0.011 min
 Lab File: VN069562.D
 Acq: 18 Nov 2021 19:08

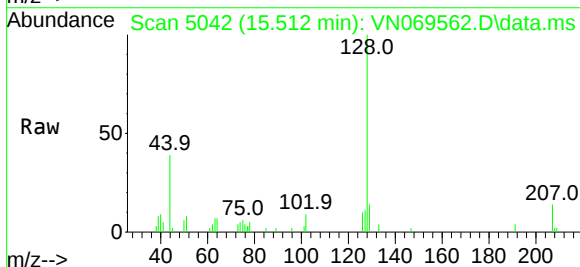
Instrument :
 MSVOA_N
 ClientSampleId :



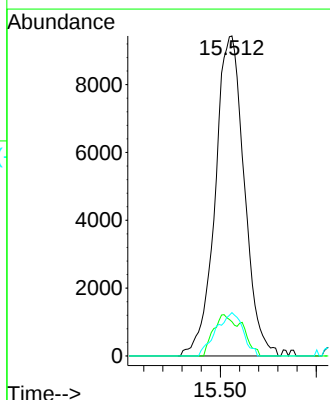
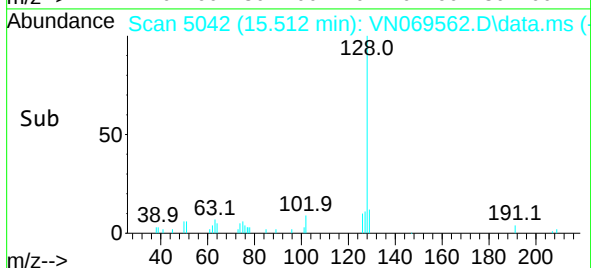
Tgt Ion:180 Resp: 226
 Ion Ratio Lower Upper
 180 100
 182 22.1 48.3 144.9#
 145 11.1 14.5 43.5#

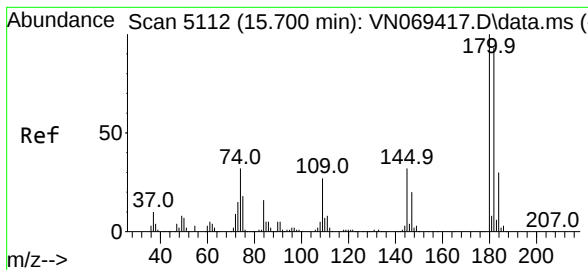


#95
 Naphthalene
 Concen: 4.937 ug/l
 RT: 15.512 min Scan# 5042
 Delta R.T. 0.005 min
 Lab File: VN069562.D
 Acq: 18 Nov 2021 19:08



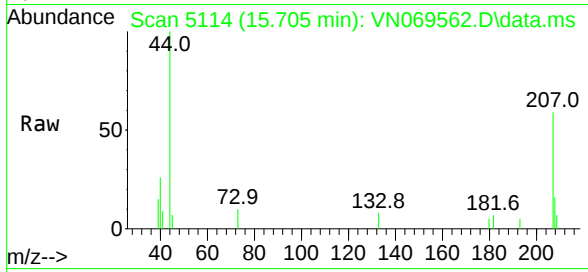
Tgt Ion:128 Resp: 19826
 Ion Ratio Lower Upper
 128 100
 127 9.4 10.5 15.7#
 129 12.6 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.173 ug/l
 RT: 15.705 min Scan# 51
 Delta R.T. 0.005 min
 Lab File: VN069562.D
 Acq: 18 Nov 2021 19:08

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 51
 Ion Ratio Lower Upper
 180 100
 182 237.3 47.4 142.2#
 145 0.0 15.0 45.1#

