

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069742.D
 Acq On : 4 Dec 2021 2:15
 Operator : JC/MD
 Sample : M4922-14 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 04 05:40:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

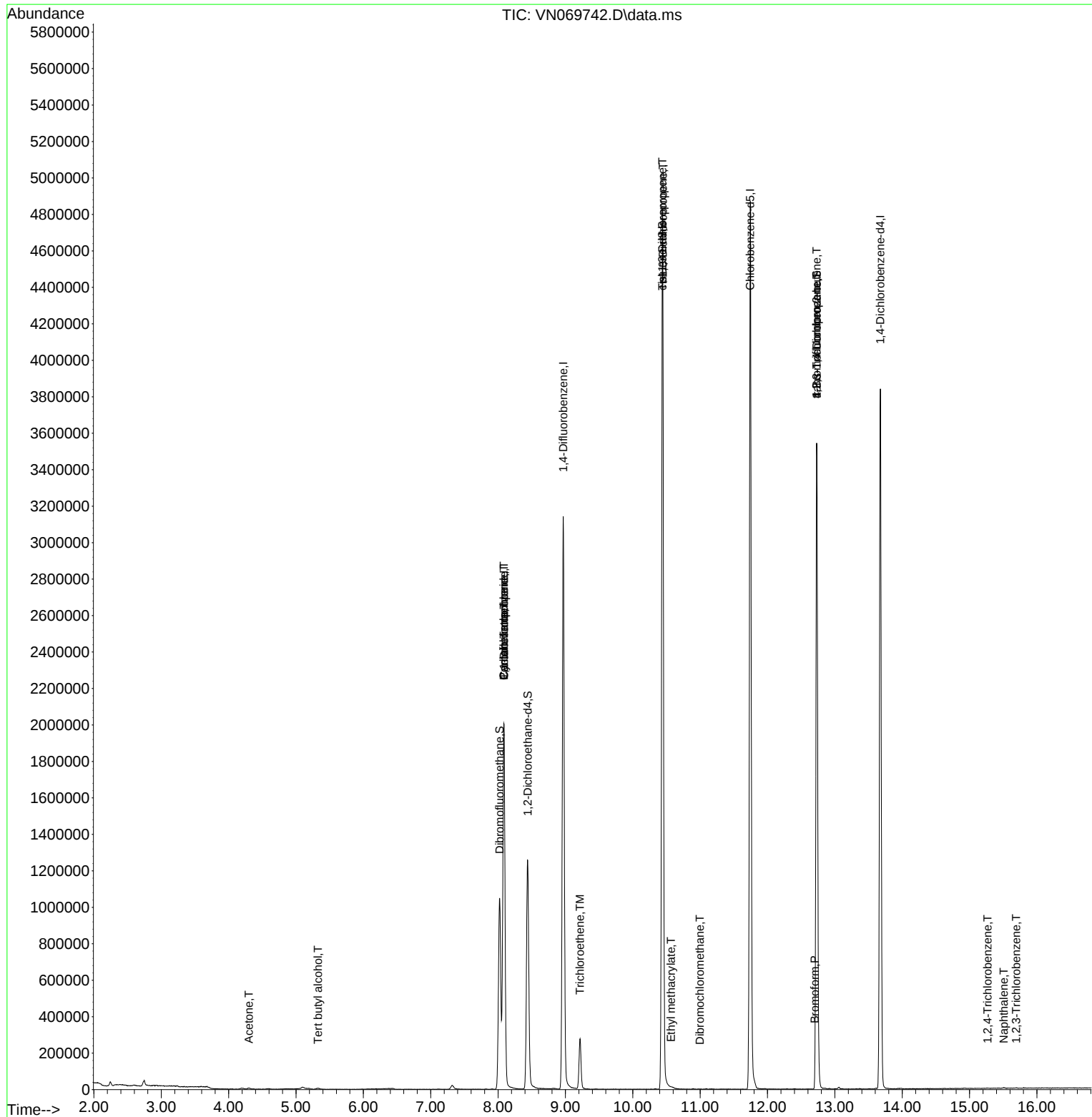
Internal Standards						
1) Pentafluorobenzene	8.088	168	1491160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2610209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2713436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1018868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1112928	48.339	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.680%		
35) Dibromofluoromethane	8.021	113	773615	47.317	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.640%		
50) Toluene-d8	10.441	98	3359003	51.165	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.340%		
62) 4-Bromofluorobenzene	12.731	95	1246627	52.416	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.840%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.329	59	1546	0.355	ug/l #	71
16) Acetone	4.299	43	8605	0.621	ug/l	100
31) Cyclohexane	8.086	56	36743	1.147	ug/l #	18
36) 1,1-Dichloropropene	8.086	75	128639	5.177	ug/l #	48
38) Carbon Tetrachloride	8.088	117	153760	6.310	ug/l #	16
44) Trichloroethene	9.215	130	93764	5.172	ug/l	93
53) t-1,3-Dichloropropene	10.449	75	447	2.808	ug/l #	1
54) cis-1,3-Dichloropropene	10.441	75	596	2.017	ug/l #	1
56) Ethyl methacrylate	10.567	69	94	2.282	ug/l #	1
60) Dibromochloromethane	10.996	129	24	2.377	ug/l #	11
71) Bromoform	12.701	173	65	2.735	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	705219	24.136	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	705219	76.639	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	529	2.908	ug/l #	39
95) Naphthalene	15.507	128	3351	4.047	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.692	180	417	2.460	ug/l #	57

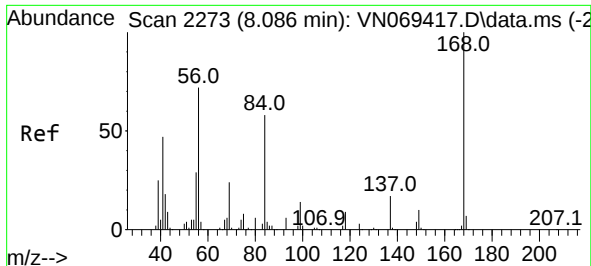
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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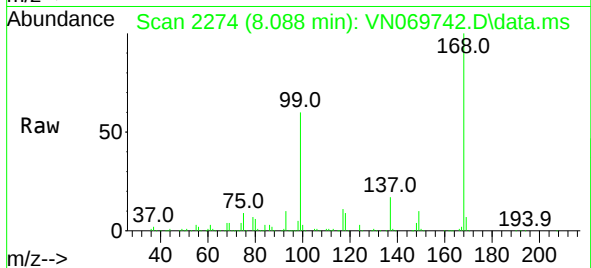
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
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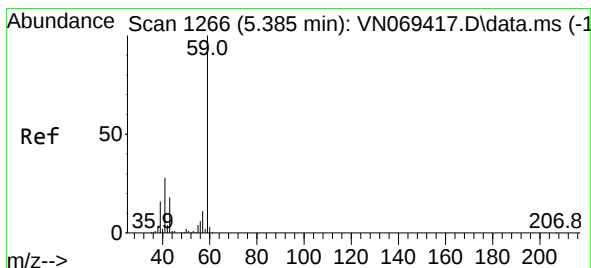
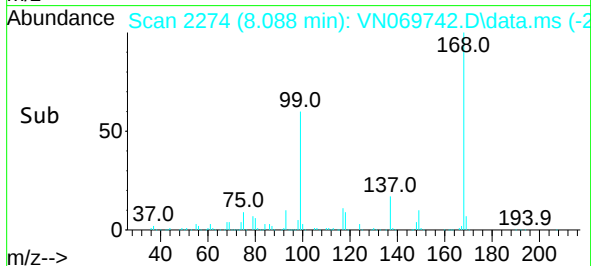
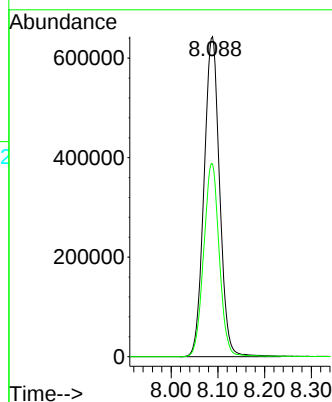


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069742.D
Acq: 4 Dec 2021 2:15

Instrument :
MSVOA_N
ClientSampleId :

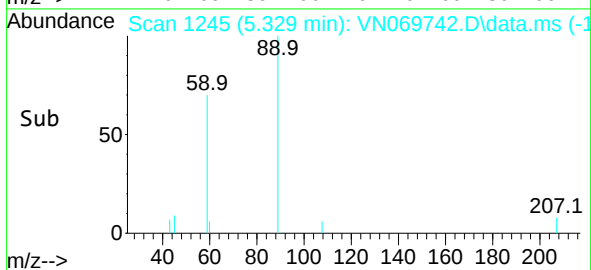
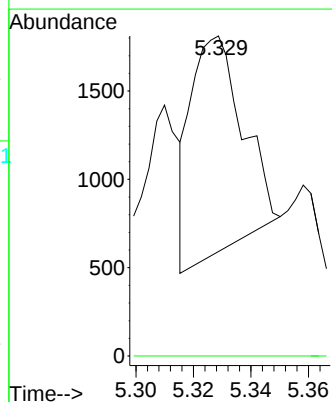
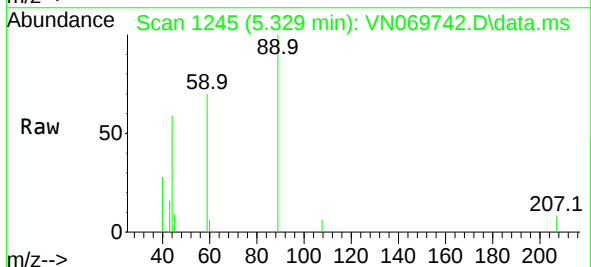


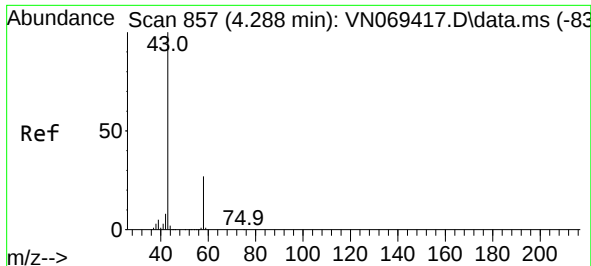
Tgt Ion:168 Resp: 1491160
Ion Ratio Lower Upper
168 100
99 60.2 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.355 ug/l
RT: 5.329 min Scan# 1245
Delta R.T. -0.061 min
Lab File: VN069742.D
Acq: 4 Dec 2021 2:15

Tgt Ion: 59 Resp: 1546
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

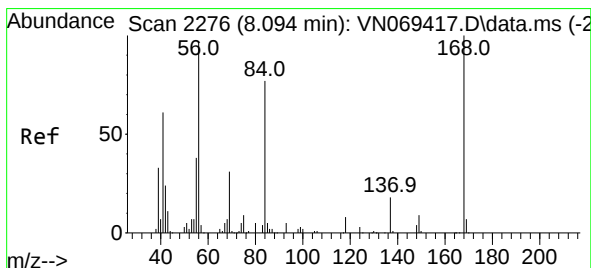
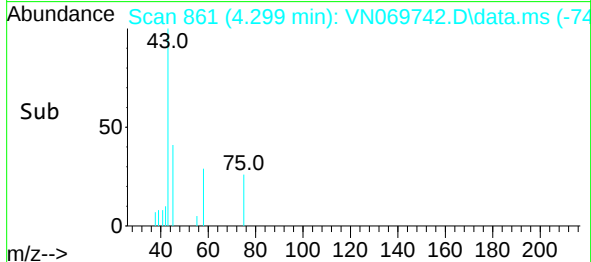
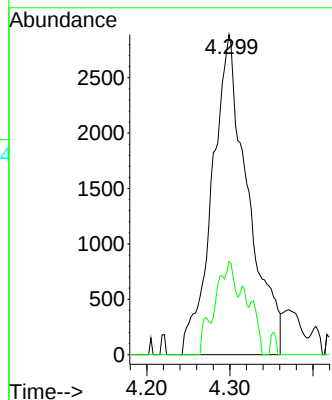
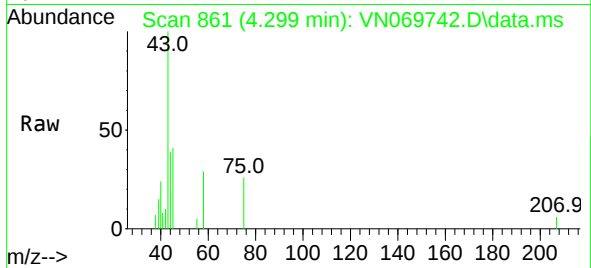




#16
Acetone
Concen: 0.621 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.008 min
Lab File: VN069742.D
Acq: 4 Dec 2021 2:15

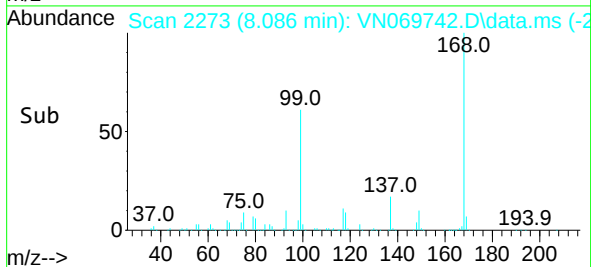
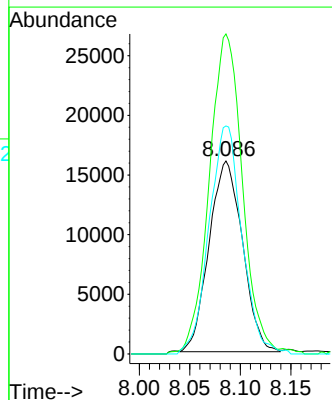
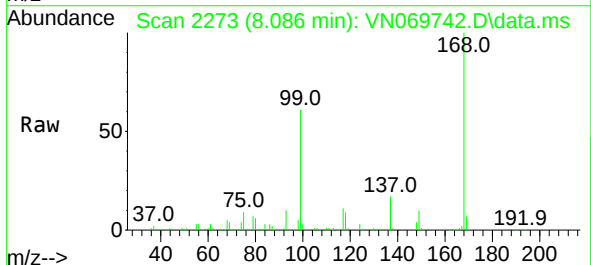
Instrument :
MSVOA_N
ClientSampleId :

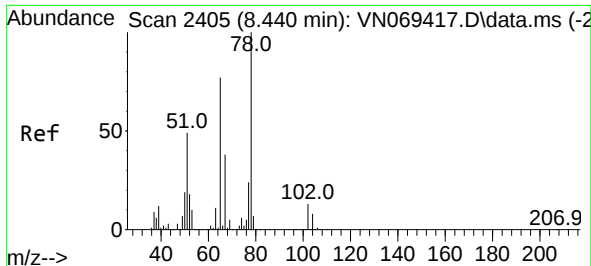
Tgt Ion: 43 Resp: 8605
Ion Ratio Lower Upper
43 100
58 29.1 23.1 34.7



#31
Cyclohexane
Concen: 1.147 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN069742.D
Acq: 4 Dec 2021 2:15

Tgt Ion: 56 Resp: 36743
Ion Ratio Lower Upper
56 100
69 166.0 27.1 40.7#
84 117.9 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 48.339 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VN069742.D

Acq: 4 Dec 2021 2:15

Instrument :

MSVOA_N

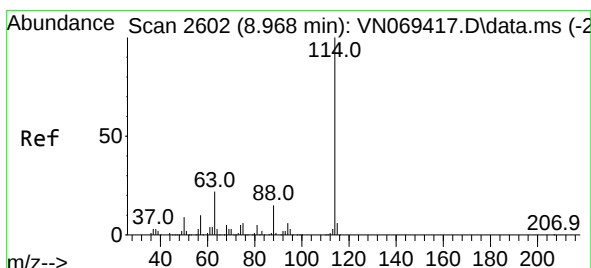
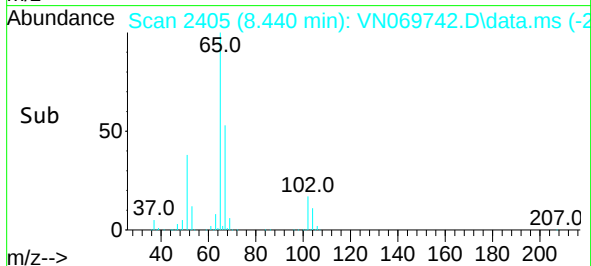
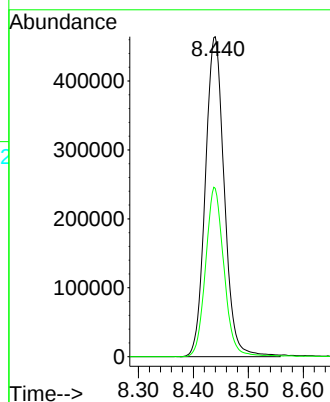
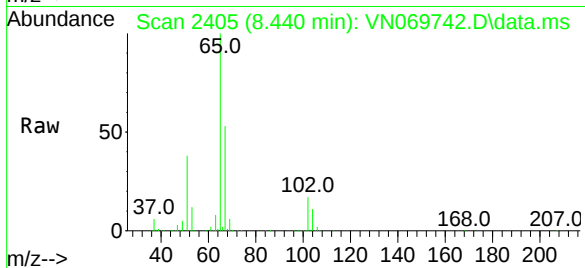
ClientSampleId :

Tgt Ion: 65 Resp: 1112928

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN069742.D

Acq: 4 Dec 2021 2:15

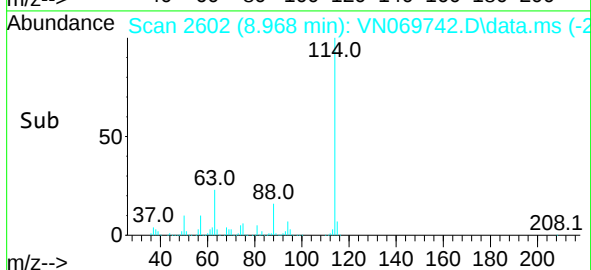
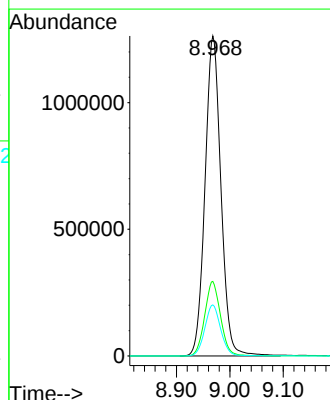
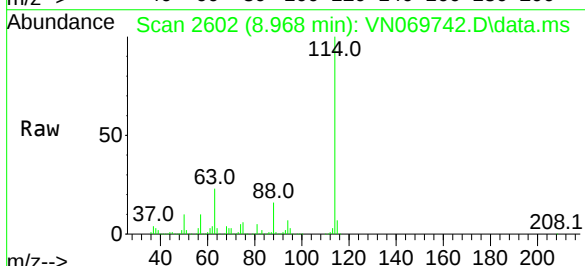
Tgt Ion: 114 Resp: 2610209

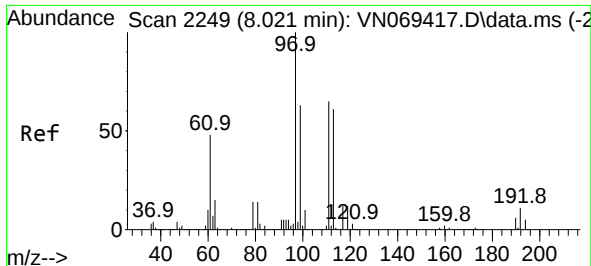
Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

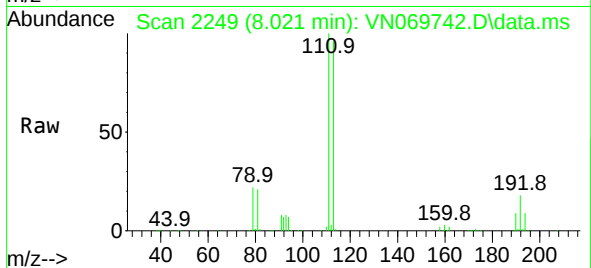
88 16.0 0.0 27.4



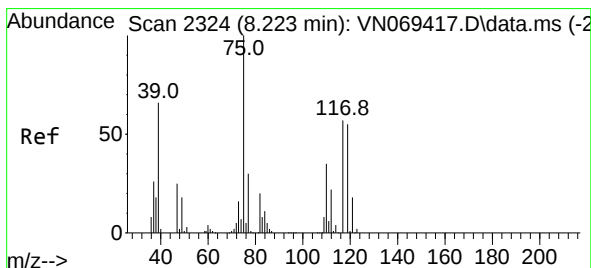
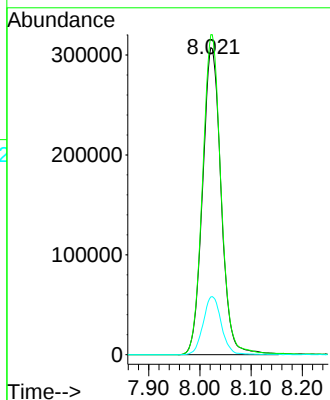
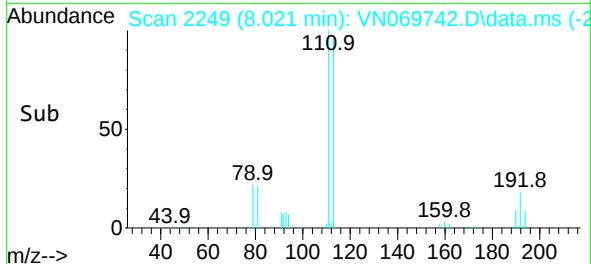


#35
 Dibromofluoromethane
 Concen: 47.317 ug/l
 RT: 8.021 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: VN069742.D
 Acq: 4 Dec 2021 2:15

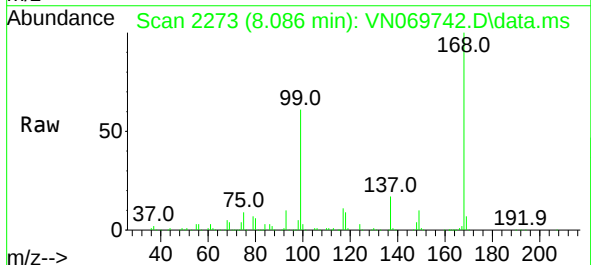
Instrument :
 MSVOA_N
 ClientSampleId :



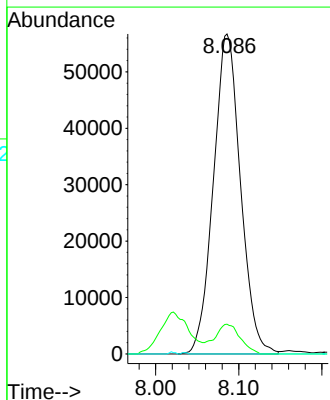
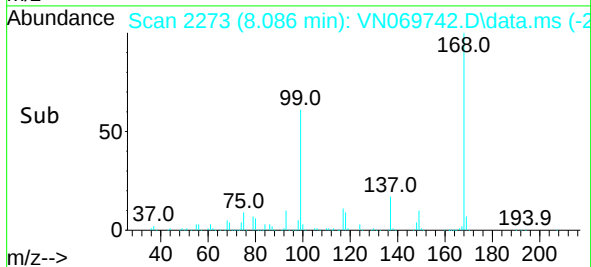
Tgt Ion:113 Resp: 773615
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.2 123.2
 192 18.6 16.9 25.3

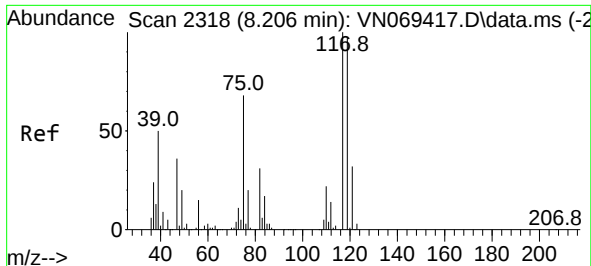


#36
 1,1-Dichloropropene
 Concen: 5.177 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.137 min
 Lab File: VN069742.D
 Acq: 4 Dec 2021 2:15



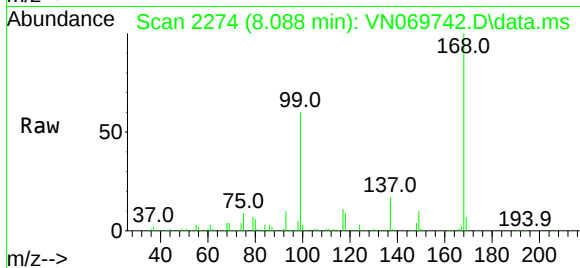
Tgt Ion: 75 Resp: 128639
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.4 55.2#
 77 0.0 24.4 36.6#



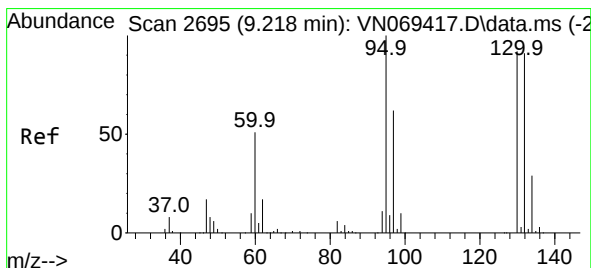
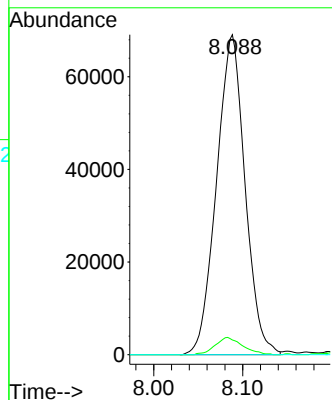
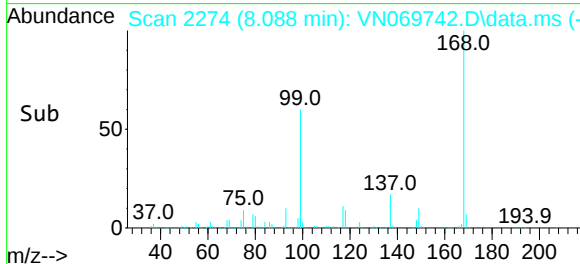


#38
Carbon Tetrachloride
Concen: 6.310 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN069742.D
Acq: 4 Dec 2021 2:15

Instrument :
MSVOA_N
ClientSampleId :

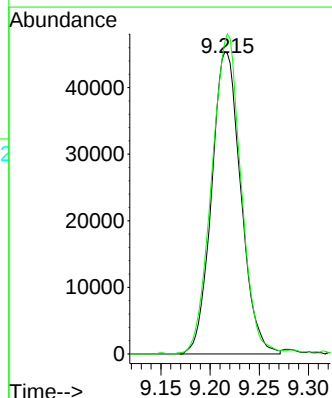
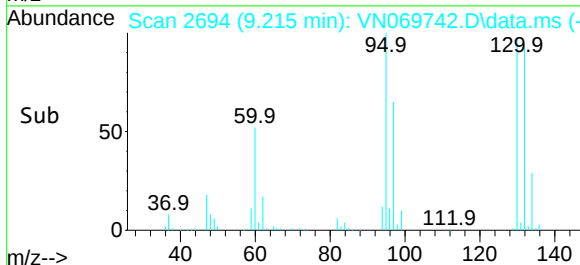
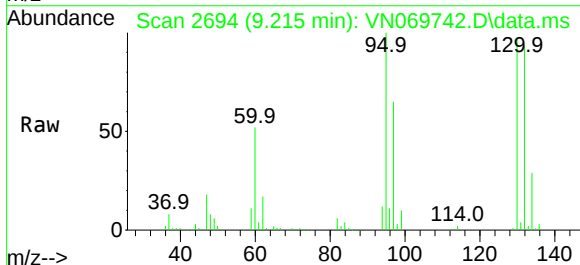


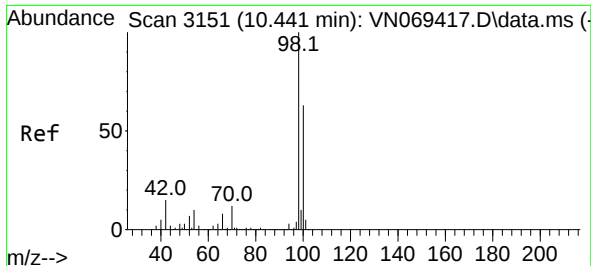
Tgt Ion:117 Resp: 153760
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 5.172 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.002 min
Lab File: VN069742.D
Acq: 4 Dec 2021 2:15

Tgt Ion:130 Resp: 93764
Ion Ratio Lower Upper
130 100
95 102.9 0.0 191.2

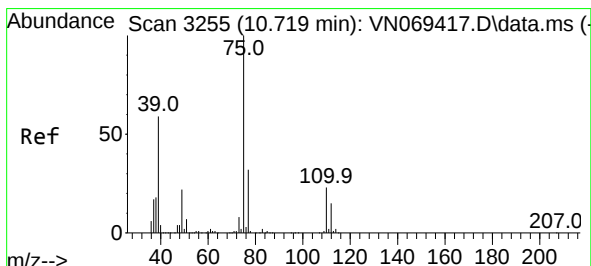
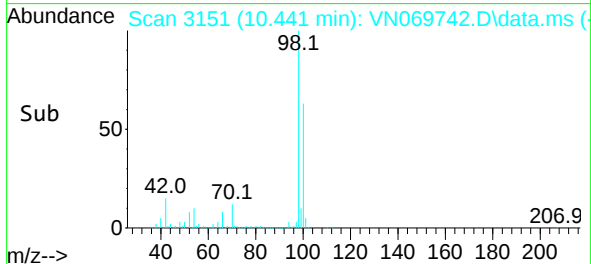
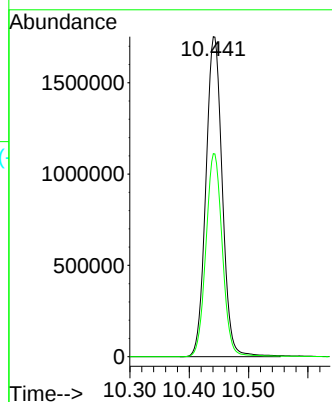
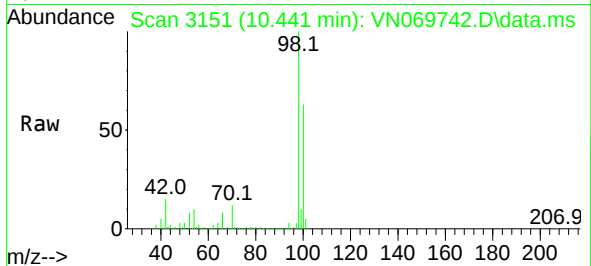




#50
Toluene-d8
Concen: 51.165 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. -0.002 min
Lab File: VN069742.D
Acq: 4 Dec 2021 2:15

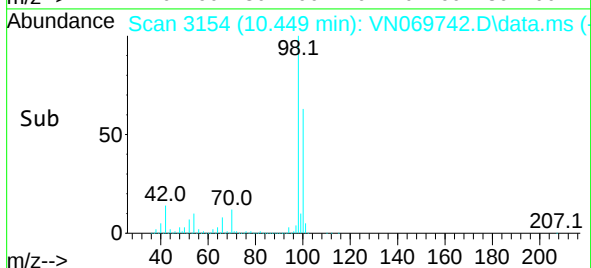
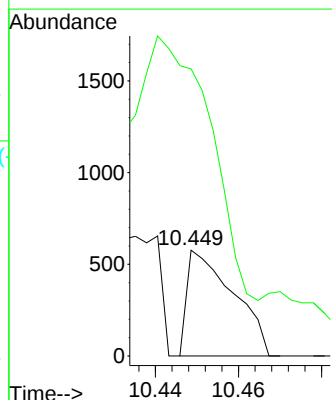
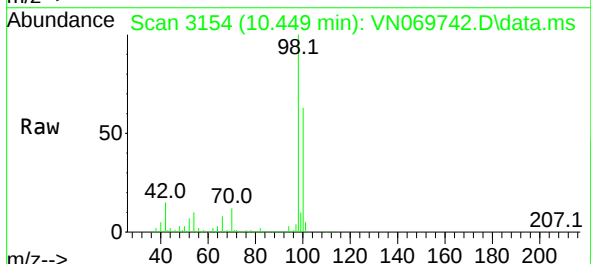
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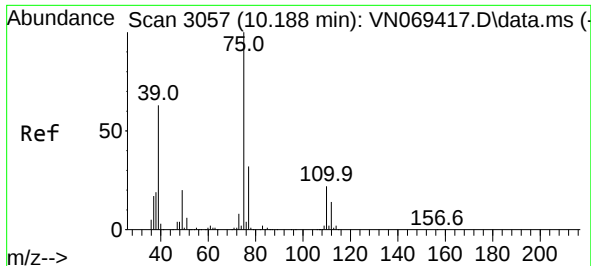
Tgt Ion: 98 Resp: 3359003
Ion Ratio Lower Upper
98 100
100 63.5 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.808 ug/l
RT: 10.449 min Scan# 3154
Delta R.T. -0.270 min
Lab File: VN069742.D
Acq: 4 Dec 2021 2:15

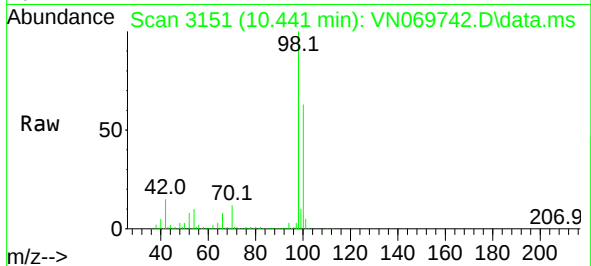
Tgt Ion: 75 Resp: 447
Ion Ratio Lower Upper
75 100
77 210.4 25.6 38.4#



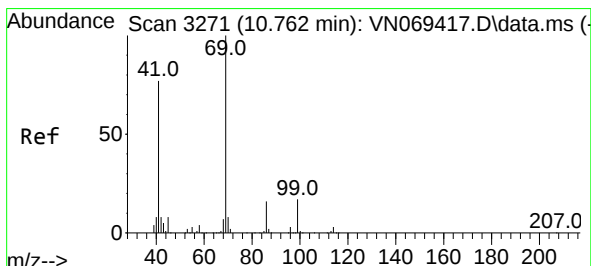
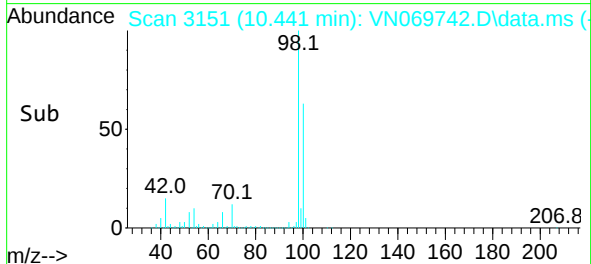
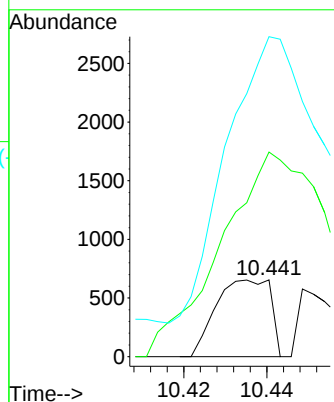


#54
 cis-1,3-Dichloropropene
 Concen: 2.017 ug/l
 RT: 10.441 min Scan# 3151
 Delta R.T. 0.250 min
 Lab File: VN069742.D
 Acq: 4 Dec 2021 2:15

Instrument :
 MSVOA_N
 ClientSampleId :

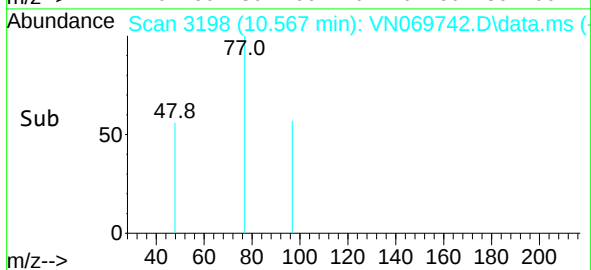
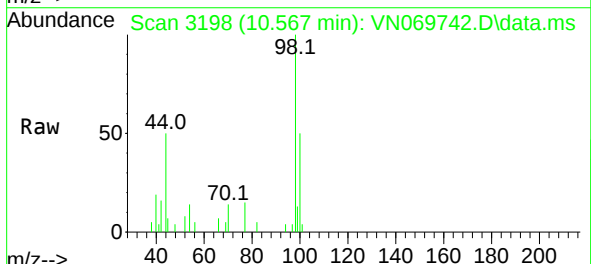
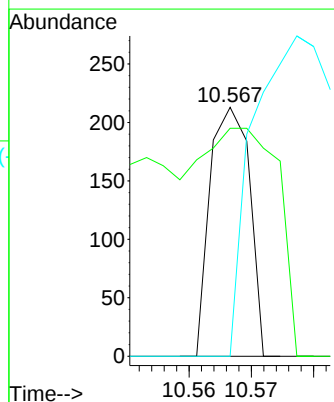


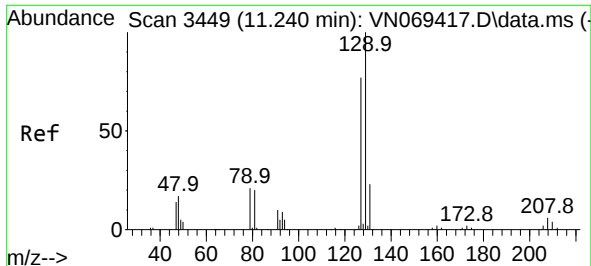
Tgt Ion: 75 Resp: 596
 Ion Ratio Lower Upper
 75 100
 77 210.2 26.4 39.6#
 39 363.4 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.282 ug/l
 RT: 10.567 min Scan# 3198
 Delta R.T. -0.195 min
 Lab File: VN069742.D
 Acq: 4 Dec 2021 2:15

Tgt Ion: 69 Resp: 94
 Ion Ratio Lower Upper
 69 100
 41 0.0 51.4 77.0#
 39 275.5 34.6 52.0#

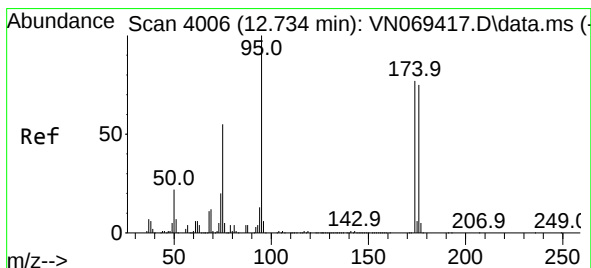
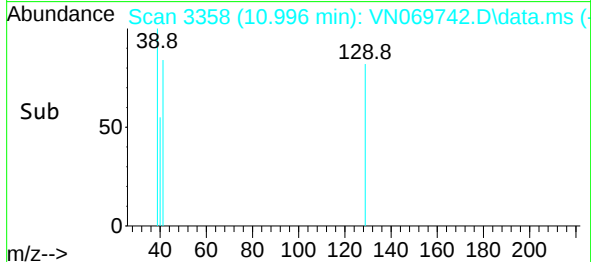
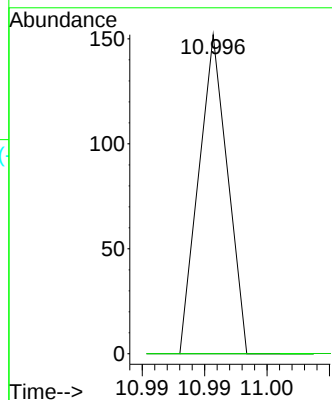
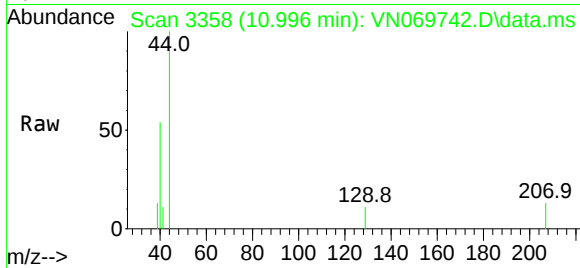




#60
Dibromochloromethane
Concen: 2.377 ug/l
RT: 10.996 min Scan# 31
Delta R.T. -0.244 min
Lab File: VN069742.D
Acq: 4 Dec 2021 2:15

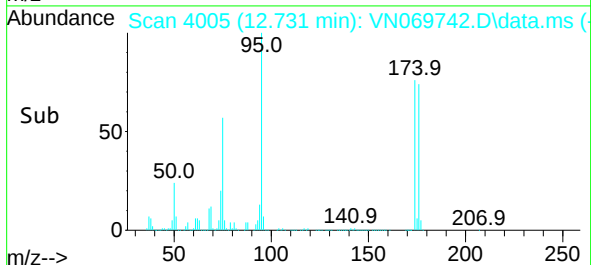
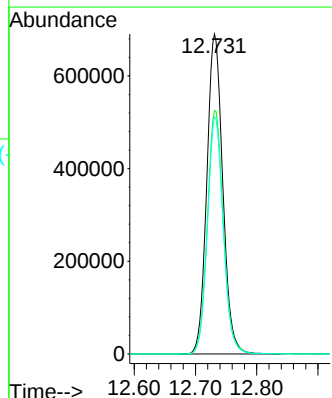
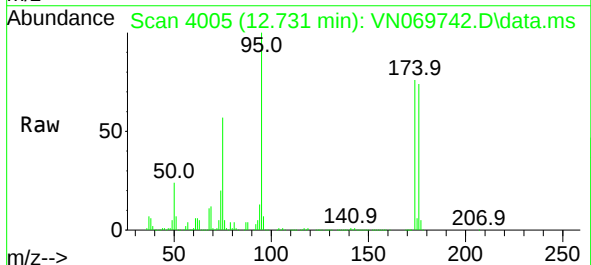
Instrument :
MSVOA_N
ClientSampleId :

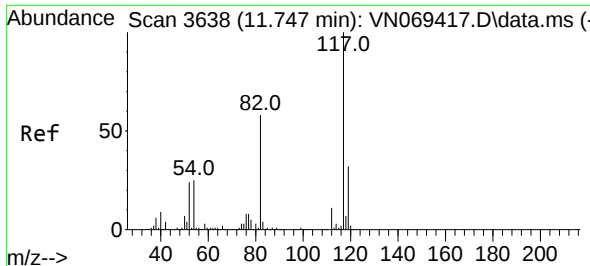
Tgt Ion:129 Resp: 24
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 52.416 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069742.D
Acq: 4 Dec 2021 2:15

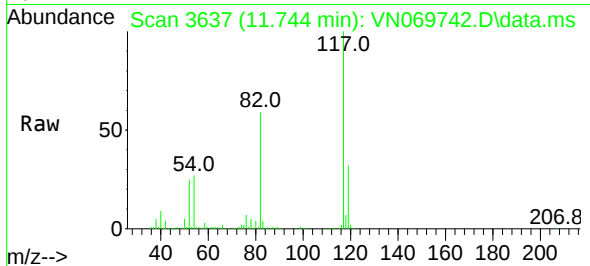
Tgt Ion: 95 Resp: 1246627
Ion Ratio Lower Upper
95 100
174 76.5 0.0 187.2
176 73.3 0.0 181.4



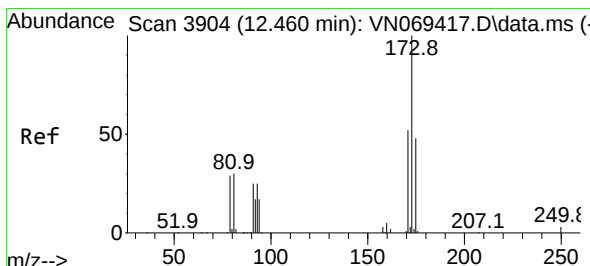
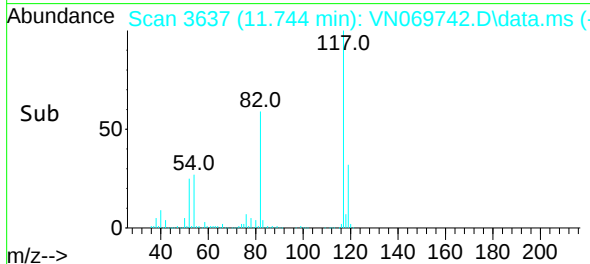
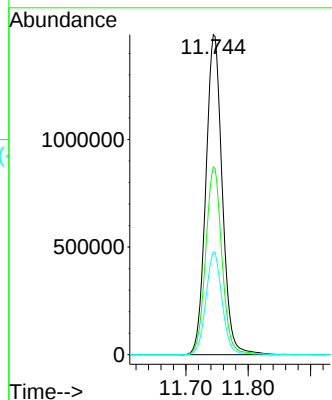


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069742.D
Acq: 4 Dec 2021 2:15

Instrument :
MSVOA_N
ClientSampleId :

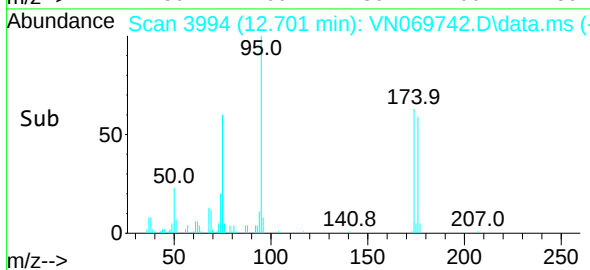
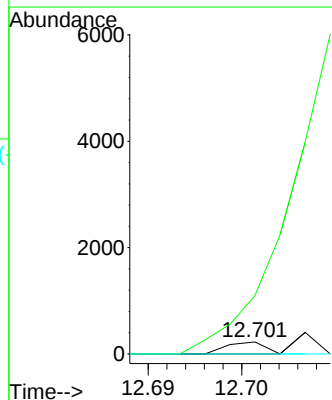
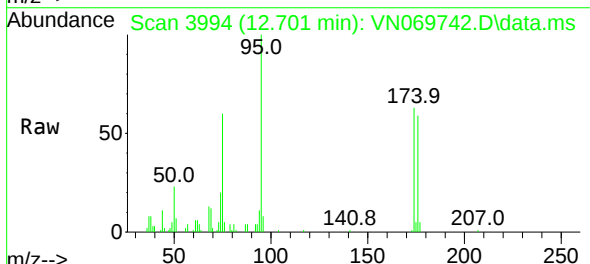


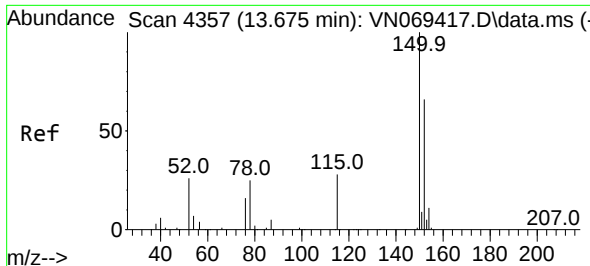
Tgt Ion:117 Resp: 2713436
Ion Ratio Lower Upper
117 100
82 58.6 42.4 63.6
119 32.1 25.4 38.2



#71
Bromoform
Concen: 2.735 ug/l
RT: 12.701 min Scan# 3994
Delta R.T. 0.241 min
Lab File: VN069742.D
Acq: 4 Dec 2021 2:15

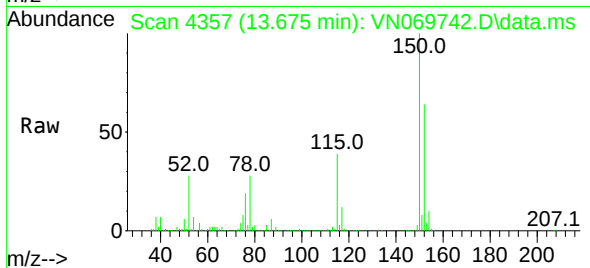
Tgt Ion:173 Resp: 65
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0





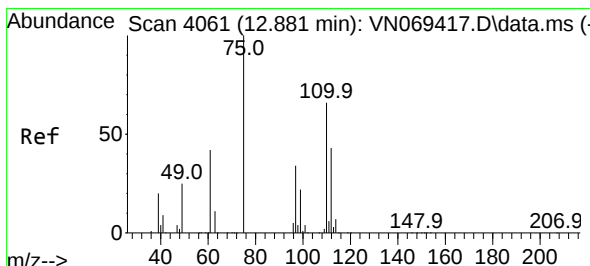
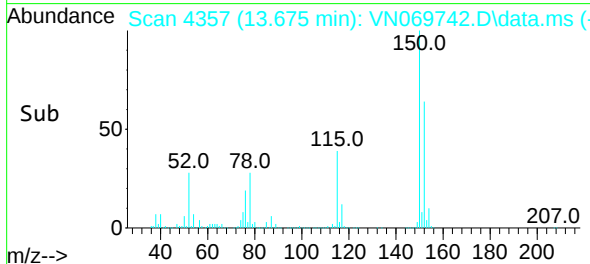
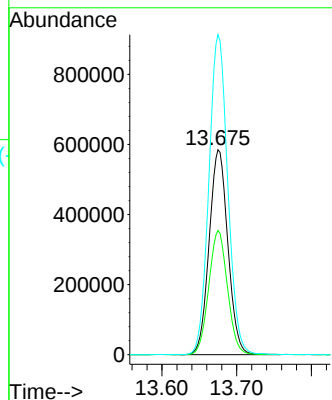
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.002 min
 Lab File: VN069742.D
 Acq: 4 Dec 2021 2:15

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:152 Resp: 1018868

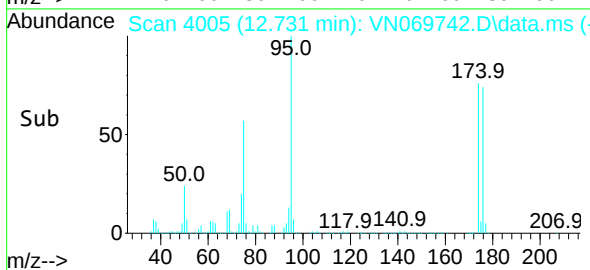
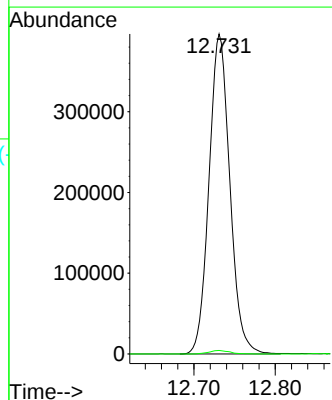
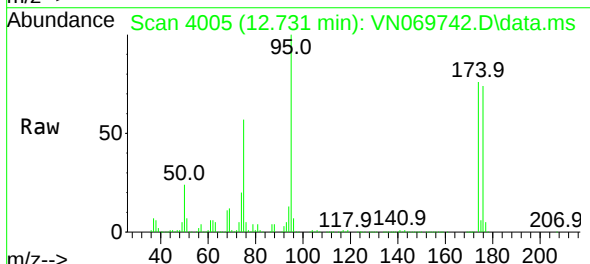
Ion	Ratio	Lower	Upper
152	100		
115	60.3	27.5	82.5
150	157.0	0.0	344.4

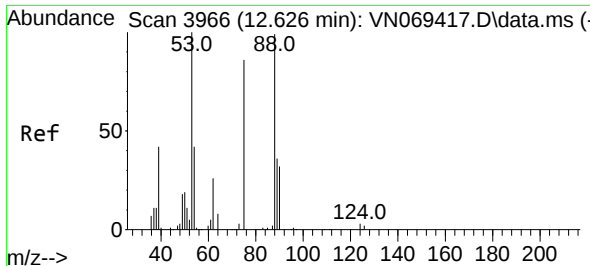


#76
 1,2,3-Trichloropropane
 Concen: 24.136 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN069742.D
 Acq: 4 Dec 2021 2:15

Tgt Ion: 75 Resp: 705219

Ion	Ratio	Lower	Upper
75	100		
77	1.1	82.6	247.8#

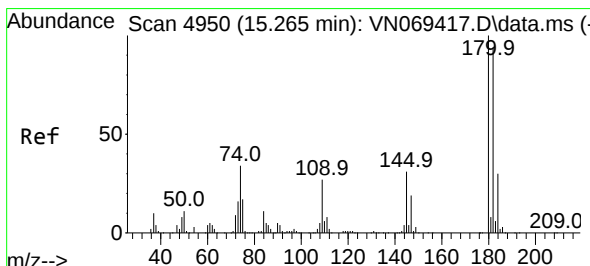
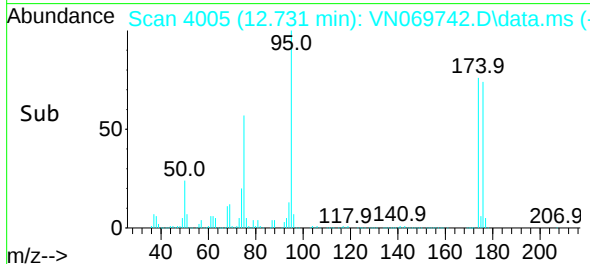
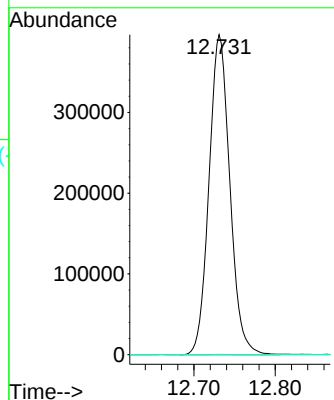
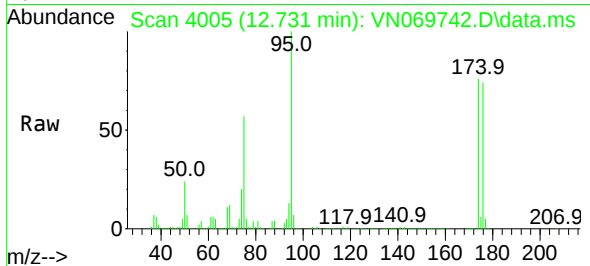




#81
trans-1,4-Dichloro-2-butene
Concen: 76.639 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069742.D
Acq: 4 Dec 2021 2:15

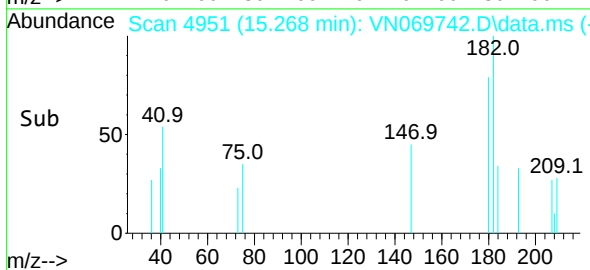
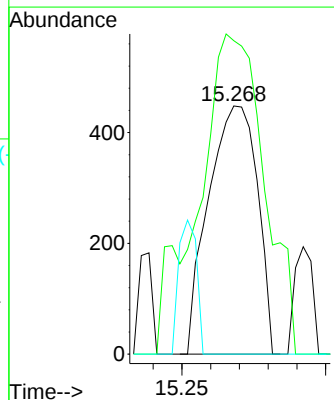
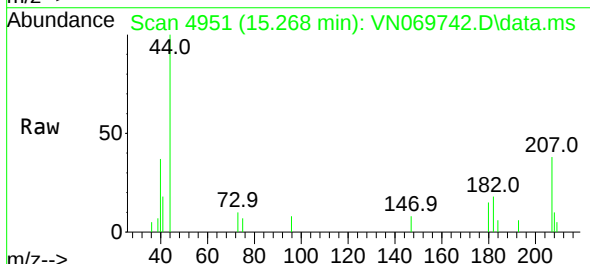
Instrument :
MSVOA_N
ClientSampleId :

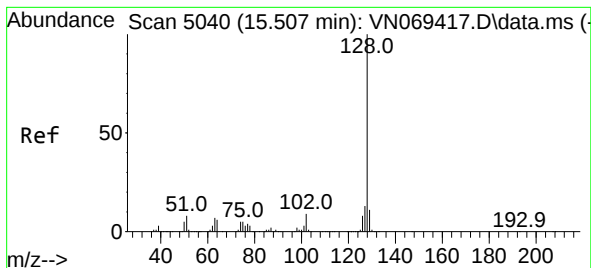
Tgt Ion: 75 Resp: 705219
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.908 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069742.D
Acq: 4 Dec 2021 2:15

Tgt Ion:180 Resp: 529
Ion Ratio Lower Upper
180 100
182 158.0 48.3 144.9#
145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 4.047 ug/l

RT: 15.507 min Scan# 5109

Delta R.T. -0.000 min

Lab File: VN069742.D

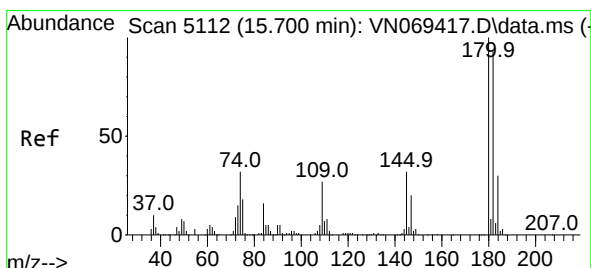
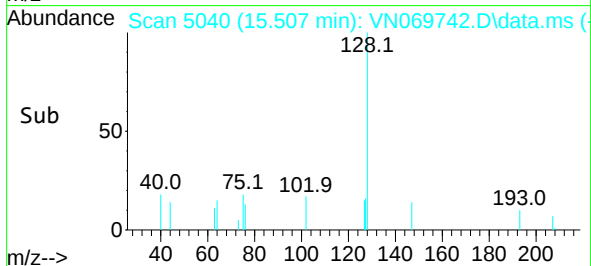
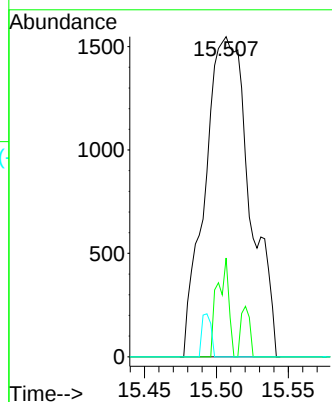
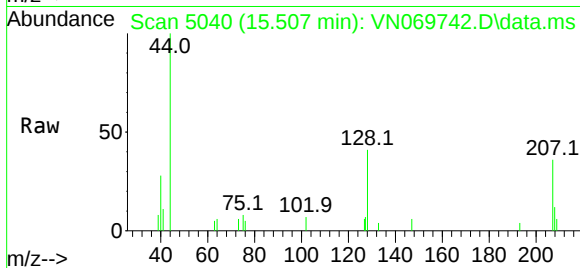
Acq: 4 Dec 2021 2:15

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	128	Resp:	3351
Ion Ratio	Lower	Upper	
128	100		
127	7.9	10.5	15.7#
129	2.7	8.7	13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.460 ug/l

RT: 15.692 min Scan# 5109

Delta R.T. -0.010 min

Lab File: VN069742.D

Acq: 4 Dec 2021 2:15

Tgt Ion:	180	Resp:	417
Ion Ratio	Lower	Upper	
180	100		
182	145.3	47.4	142.2#
145	22.3	15.0	45.1

