

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120121\
 Data File : VN069693.D
 Acq On : 1 Dec 2021 16:09
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 02 07:26:10 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

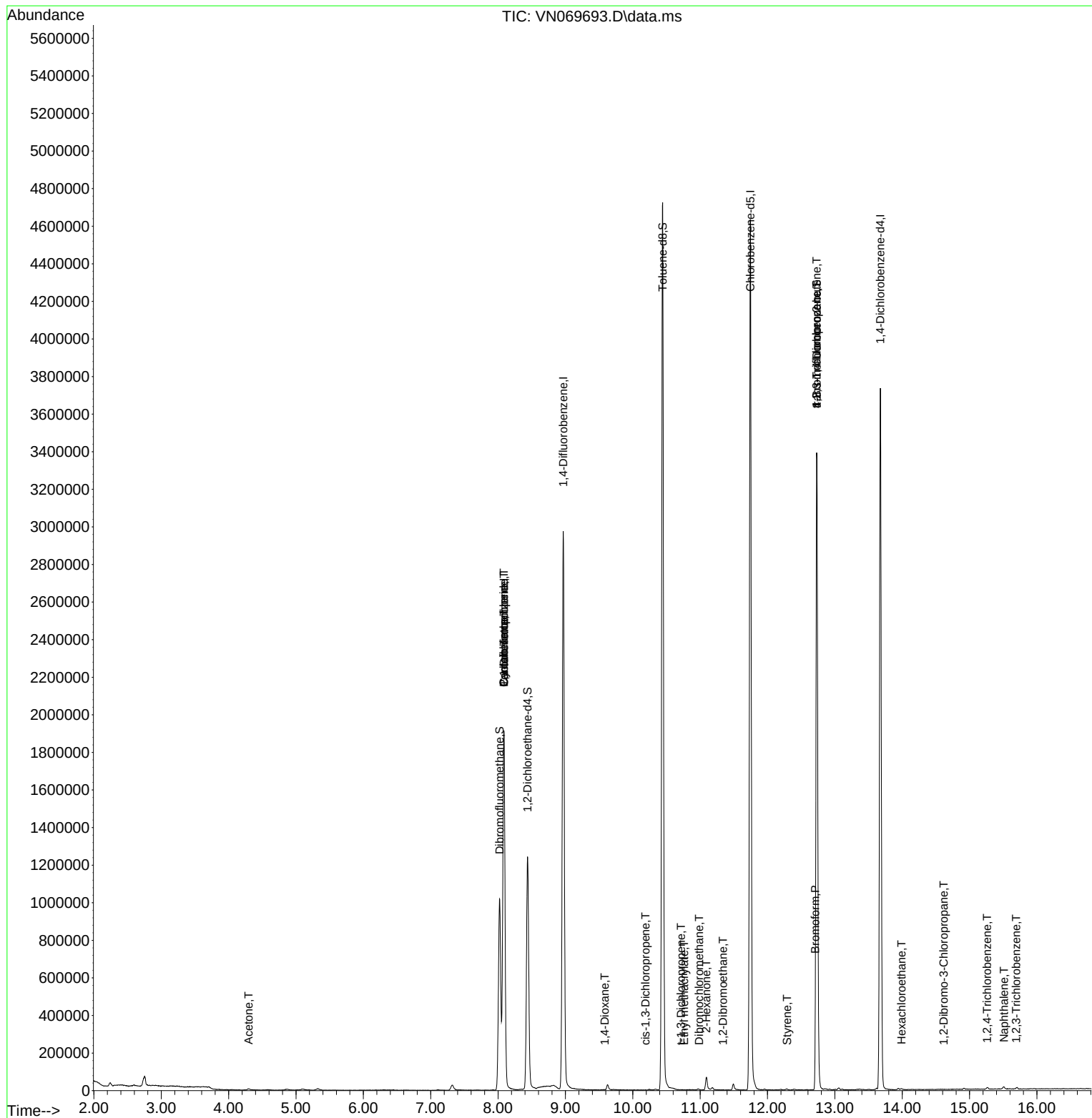
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1447276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2536496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2600622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	996464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1081583	51.541	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.080%
35) Dibromofluoromethane	8.021	113	743182	48.852	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.700%
50) Toluene-d8	10.443	98	3227764	53.947	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.900%
62) 4-Bromofluorobenzene	12.731	95	1197040	54.460	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.920%
Target Compounds						
					Qvalue	
13) Acrolein	4.049	56	1135	Below Cal	#	70
16) Acetone	4.296	43	9376	0.828	ug/l #	89
31) Cyclohexane	8.085	56	37110	1.294	ug/l #	39
36) 1,1-Dichloropropene	8.085	75	124980	5.856	ug/l #	48
38) Carbon Tetrachloride	8.088	117	149819	7.271	ug/l #	16
49) 1,4-Dioxane	9.582	88	151	39.395	ug/l #	59
53) t-1,3-Dichloropropene	10.714	75	209	2.645	ug/l #	17
54) cis-1,3-Dichloropropene	10.188	75	156	1.738	ug/l #	57
56) Ethyl methacrylate	10.762	69	393	2.065	ug/l #	51
59) 2-Hexanone	11.092	43	16042	8.557	ug/l	70
60) Dibromochloromethane	10.985	129	55	2.420	ug/l #	11
61) 1,2-Dibromoethane	11.339	107	55	1.074	ug/l #	2
70) Styrene	12.291	104	995	1.537	ug/l #	69
71) Bromoform	12.709	173	261	3.444	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	670763	29.169	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	670763	82.563	ug/l #	5
90) Hexachloroethane	13.989	117	25	2.164	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.616	75	25	1.802	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.260	180	2837	3.283	ug/l	99
95) Naphthalene	15.509	128	11638	4.691	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.692	180	1111	3.239	ug/l #	1

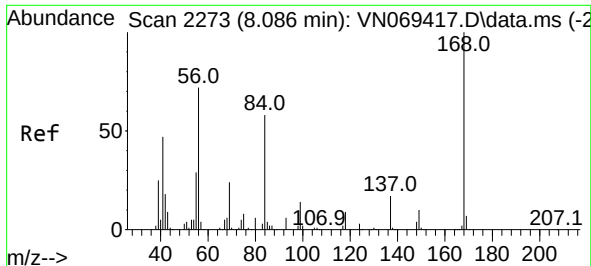
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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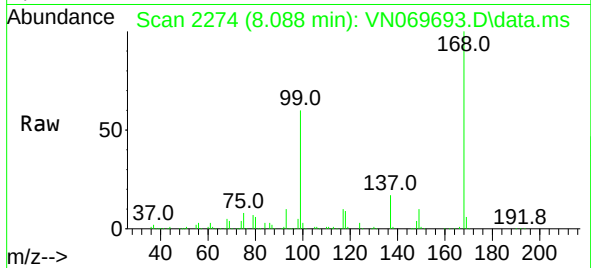
Quant Time: Dec 02 07:26:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 09 18:18:22 2021
Response via : Initial Calibration



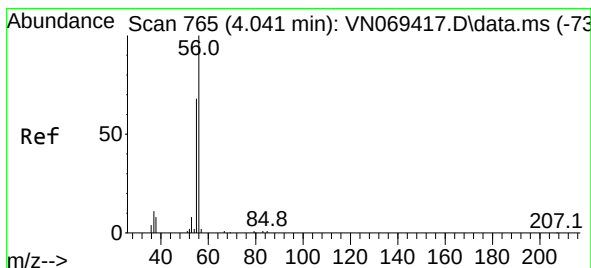
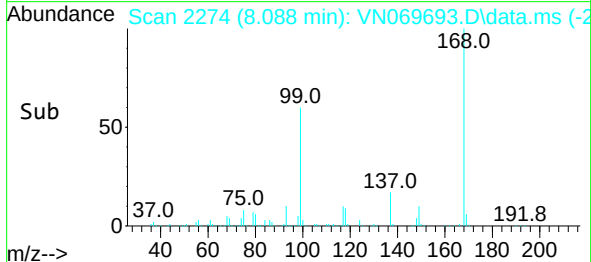
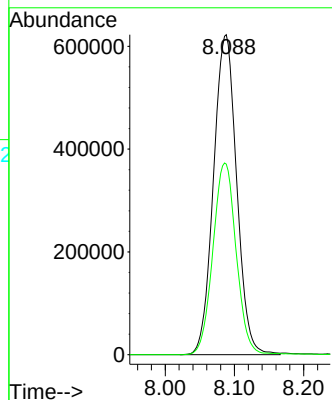


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

Instrument :
MSVOA_N
ClientSampleId :

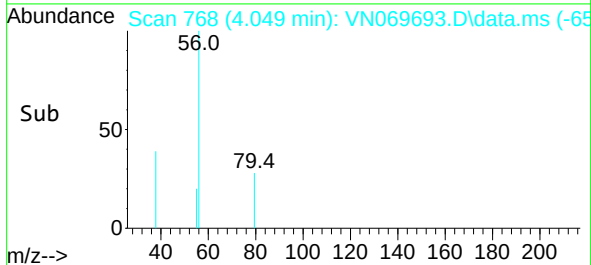
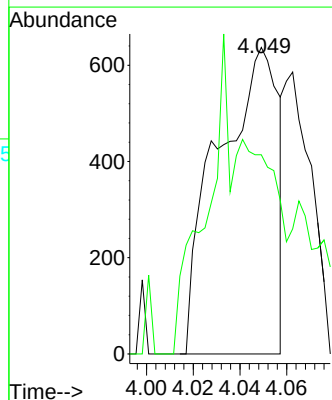
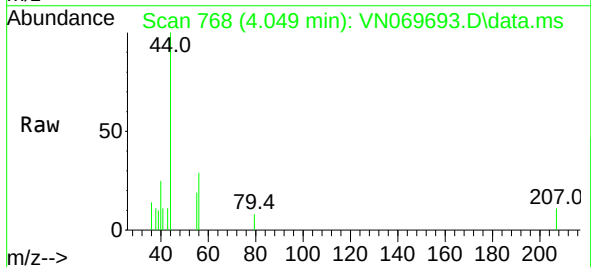


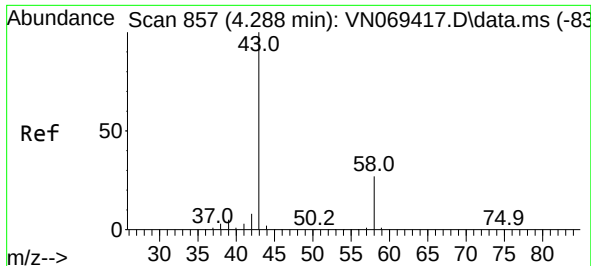
Tgt Ion:168 Resp: 1447276
Ion Ratio Lower Upper
168 100
99 59.5 41.3 61.9



#13
Acrolein
Concen: Below Cal
RT: 4.049 min Scan# 768
Delta R.T. 0.008 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

Tgt Ion: 56 Resp: 1135
Ion Ratio Lower Upper
56 100
55 46.1 56.6 85.0#

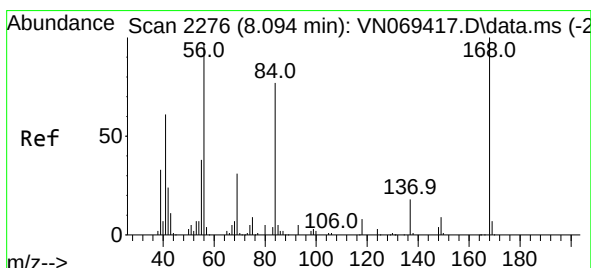
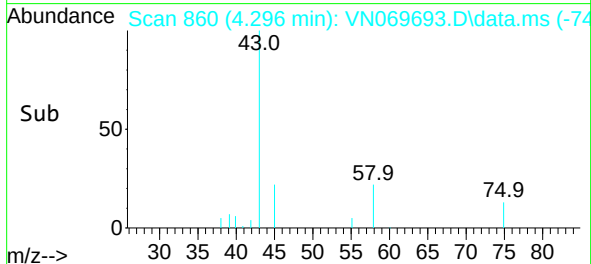
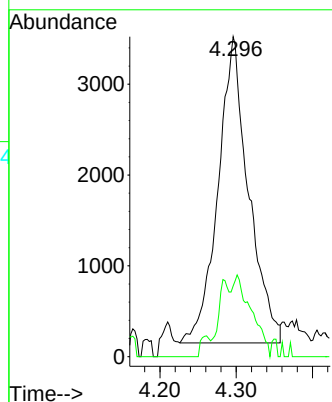
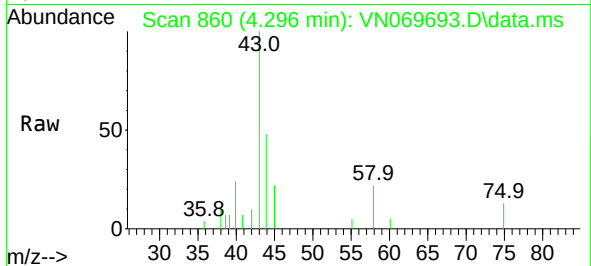




#16
Acetone
Concen: 0.828 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.008 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

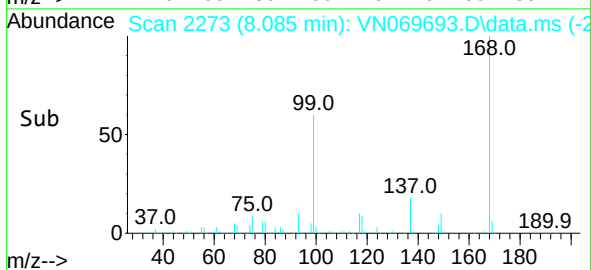
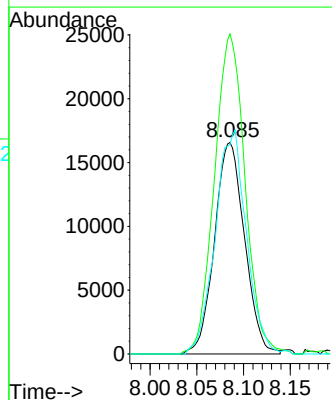
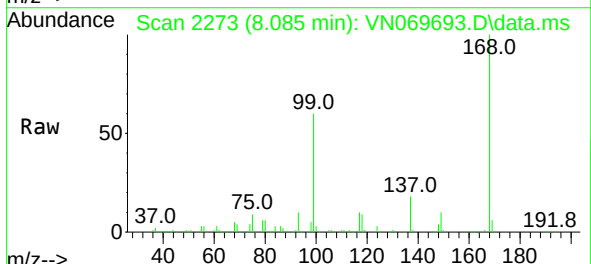
Instrument :
MSVOA_N
ClientSampleId :

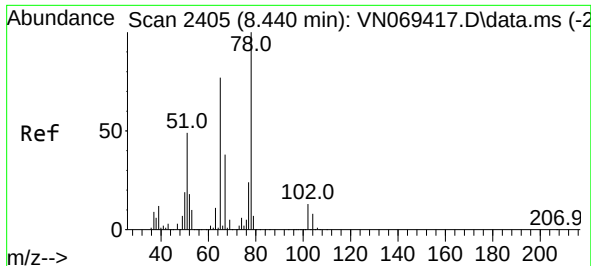
Tgt Ion: 43 Resp: 9376
Ion Ratio Lower Upper
43 100
58 23.1 23.1 34.7#



#31
Cyclohexane
Concen: 1.294 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

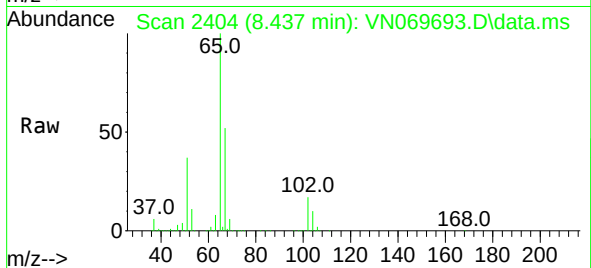
Tgt Ion: 56 Resp: 37110
Ion Ratio Lower Upper
56 100
69 151.2 27.1 40.7#
84 99.0 73.4 110.0





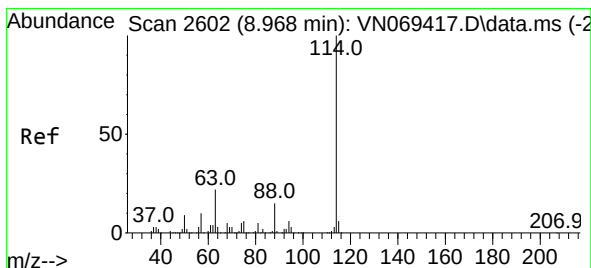
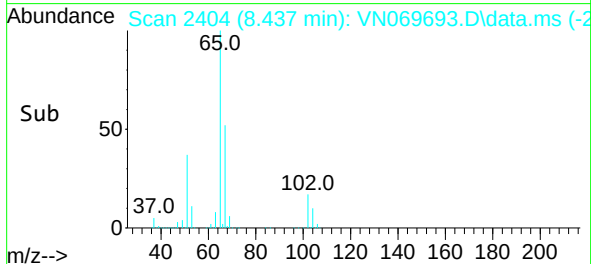
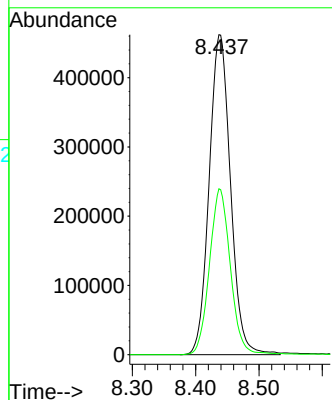
#33
 1,2-Dichloroethane-d4
 Concen: 51.541 ug/l
 RT: 8.437 min Scan# 2405
 Delta R.T. -0.003 min
 Lab File: VN069693.D
 Acq: 1 Dec 2021 16:09

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 65 Resp: 1081583

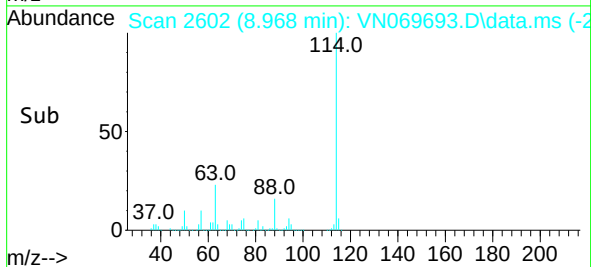
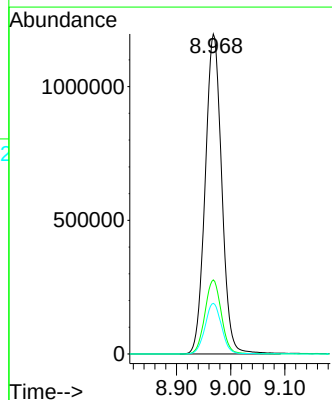
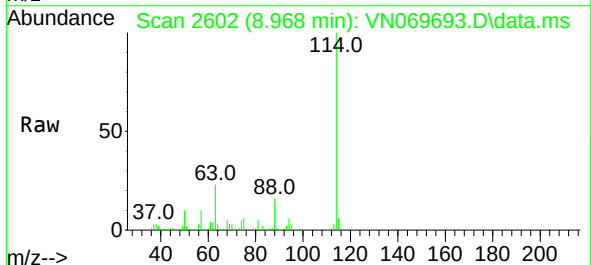
Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	103.0

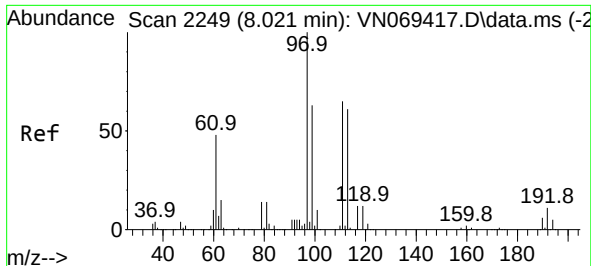


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: VN069693.D
 Acq: 1 Dec 2021 16:09

Tgt Ion: 114 Resp: 2536496

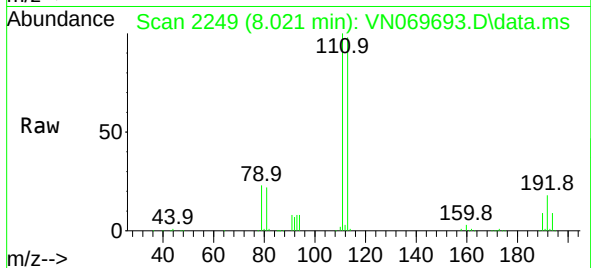
Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	37.8
88	15.8	0.0	27.4



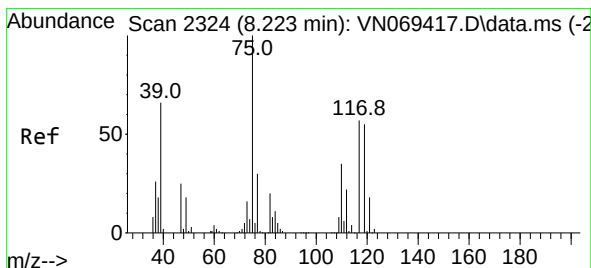
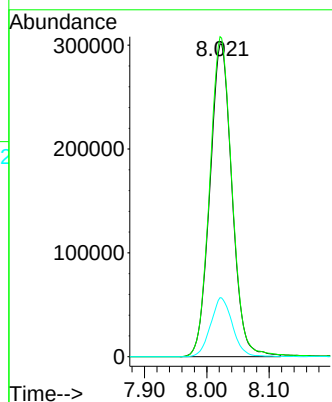
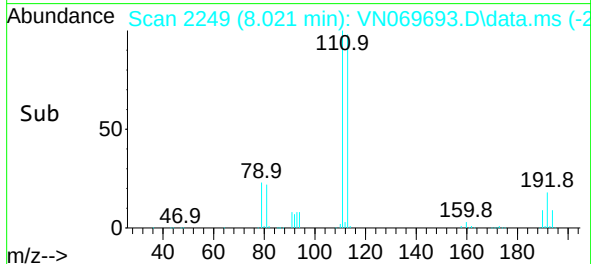


#35
Dibromofluoromethane
Concen: 48.852 ug/l
RT: 8.021 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

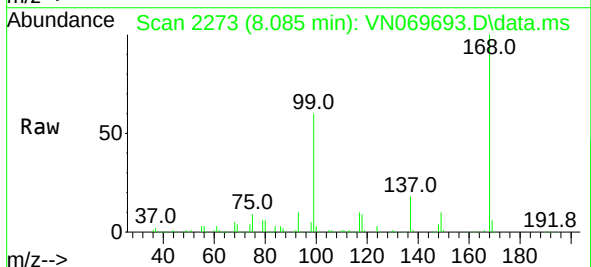
Instrument :
MSVOA_N
ClientSampleId :



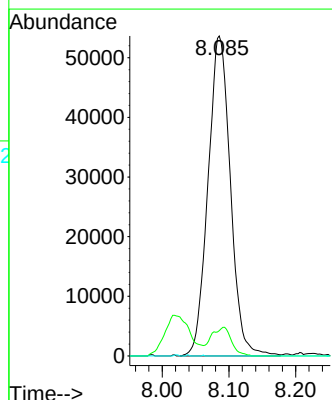
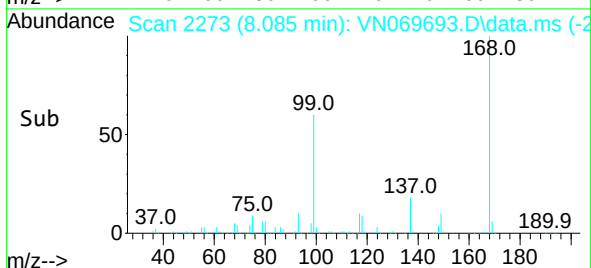
Tgt Ion:113 Resp: 743182
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 18.6 16.9 25.3

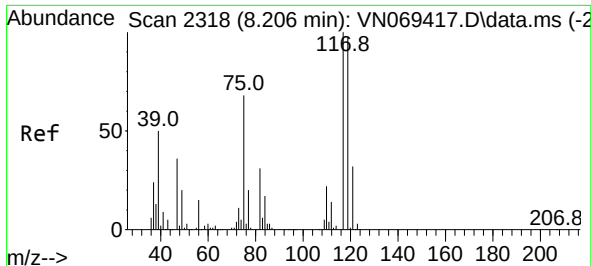


#36
1,1-Dichloropropene
Concen: 5.856 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.138 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09



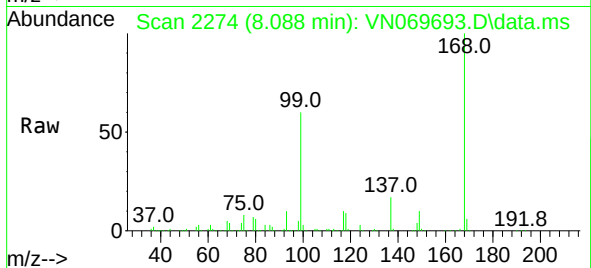
Tgt Ion: 75 Resp: 124980
Ion Ratio Lower Upper
75 100
110 8.0 18.4 55.2#
77 0.0 24.4 36.6#



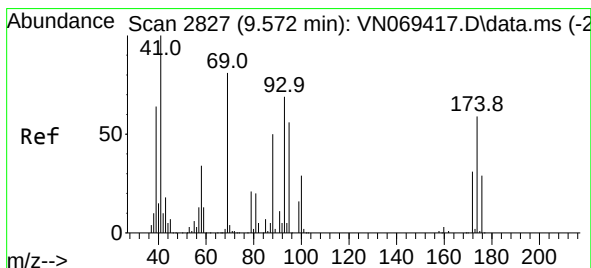
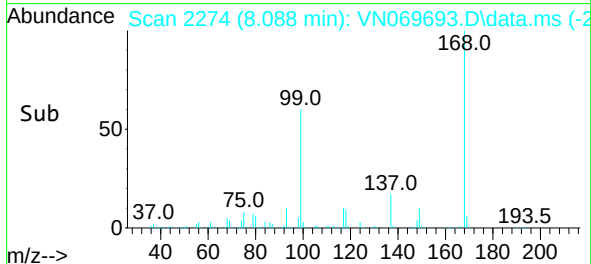
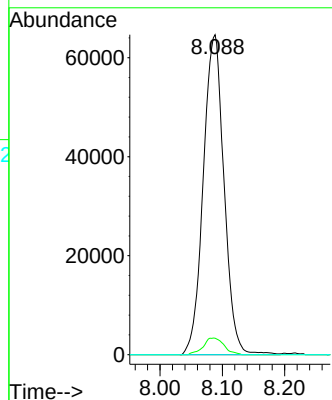


#38
Carbon Tetrachloride
Concen: 7.271 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.118 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

Instrument :
MSVOA_N
ClientSampleId :

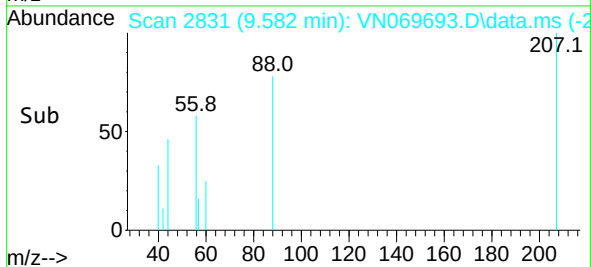
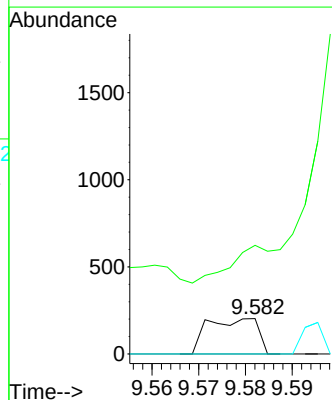
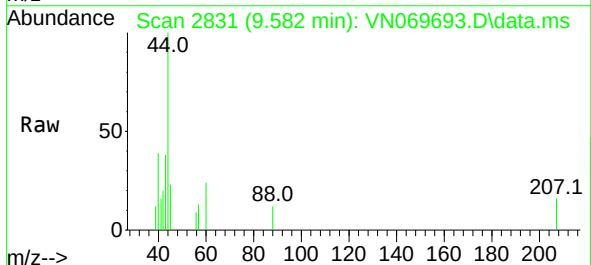


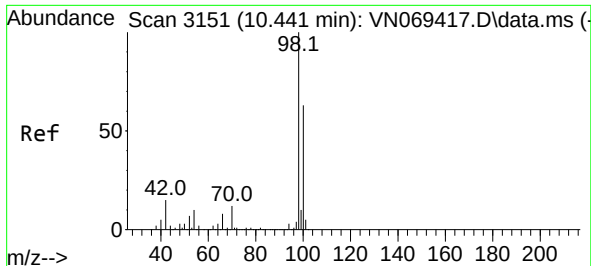
Tgt Ion:117 Resp: 149819
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 39.395 ug/l
RT: 9.582 min Scan# 2831
Delta R.T. 0.010 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

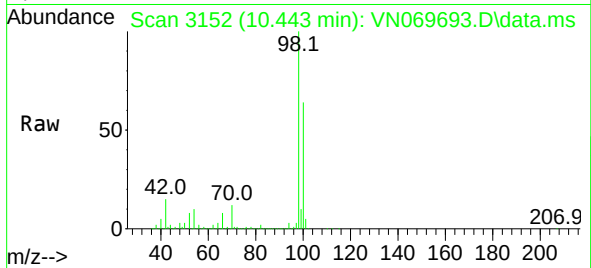
Tgt Ion: 88 Resp: 151
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 35.8 50.6 75.8#



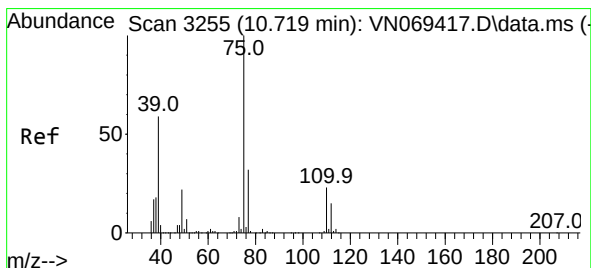
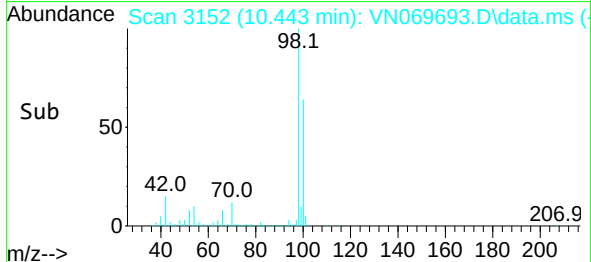
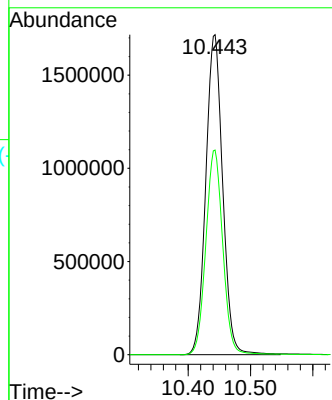


#50
Toluene-d8
Concen: 53.947 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

Instrument :
MSVOA_N
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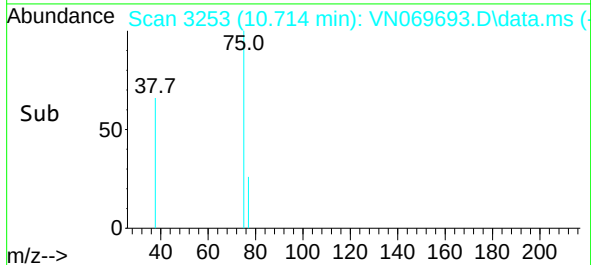
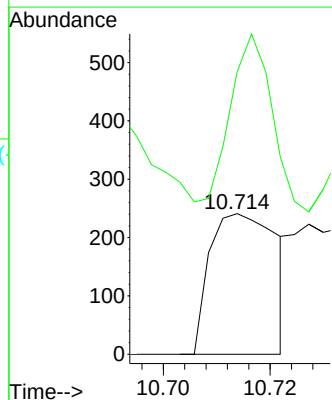
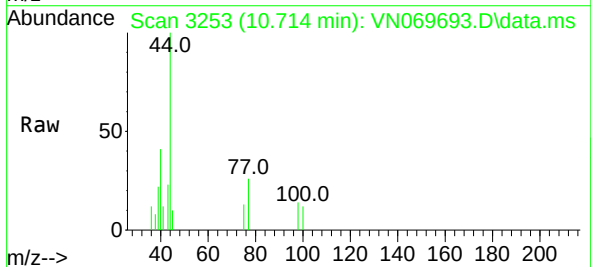


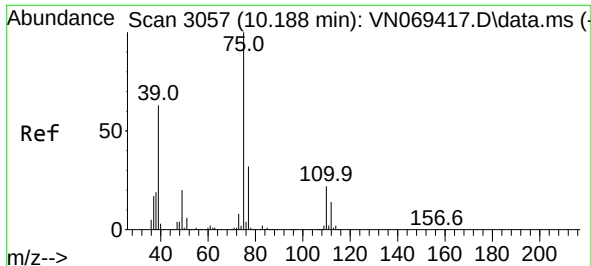
Tgt Ion: 98 Resp: 3227764
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.645 ug/l
RT: 10.714 min Scan# 3253
Delta R.T. -0.005 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

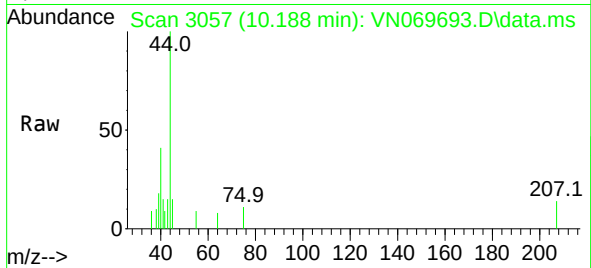
Tgt Ion: 75 Resp: 209
Ion Ratio Lower Upper
75 100
77 78.4 25.6 38.4#



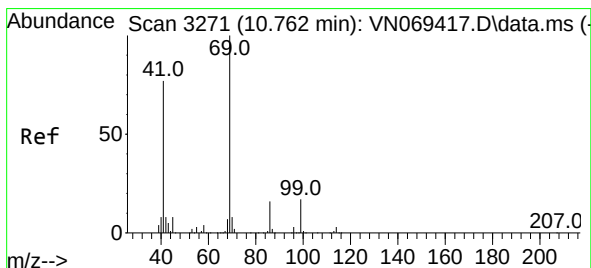
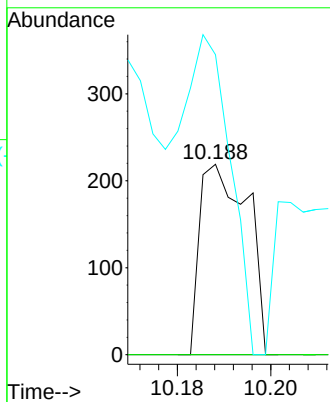
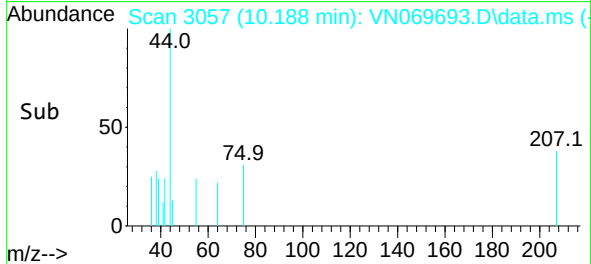


#54
 cis-1,3-Dichloropropene
 Concen: 1.738 ug/l
 RT: 10.188 min Scan# 3057
 Delta R.T. 0.000 min
 Lab File: VN069693.D
 Acq: 1 Dec 2021 16:09

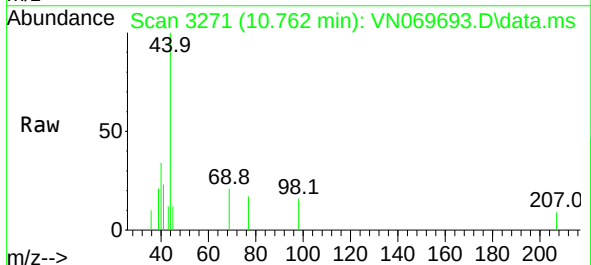
Instrument :
 MSVOA_N
 ClientSampleId :



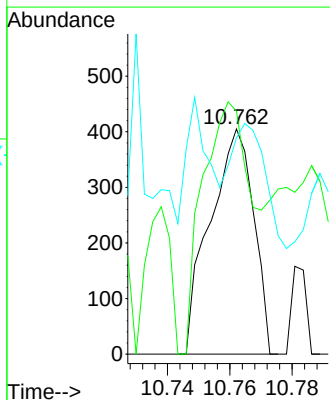
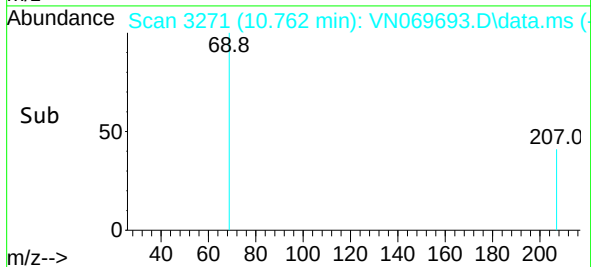
Tgt Ion: 75 Resp: 156
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 75 100
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 39 77.2 42.5 63.7#

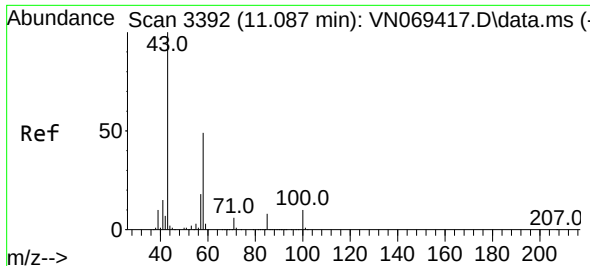


#56
 Ethyl methacrylate
 Concen: 2.065 ug/l
 RT: 10.762 min Scan# 3271
 Delta R.T. 0.000 min
 Lab File: VN069693.D
 Acq: 1 Dec 2021 16:09



Tgt Ion: 69 Resp: 393
 Ion Ratio Lower Upper
 69 100
 41 126.7 51.4 77.0#
 39 45.0 34.6 52.0

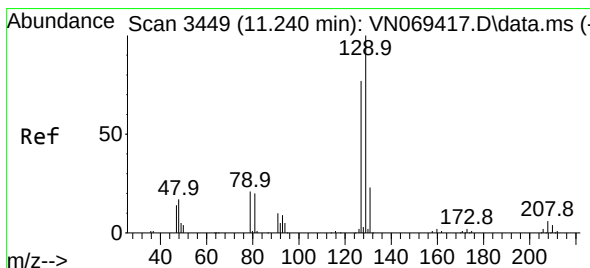
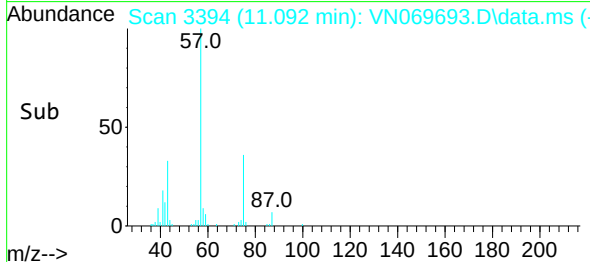
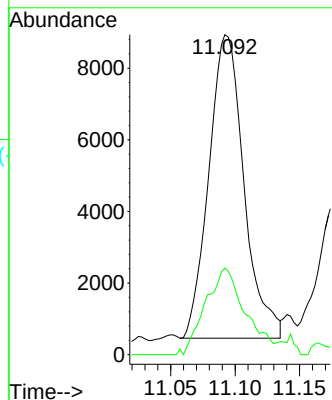
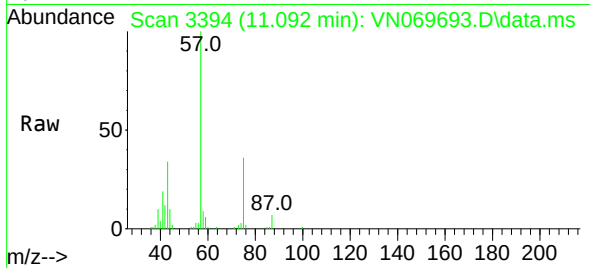




#59
2-Hexanone
Concen: 8.557 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

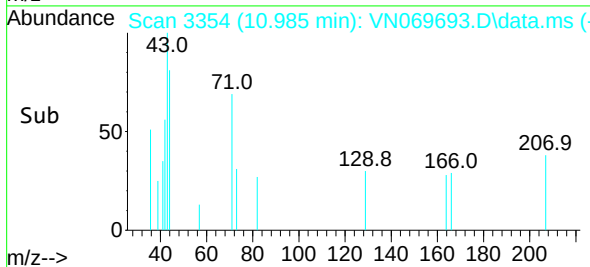
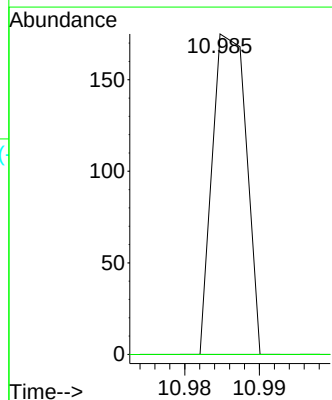
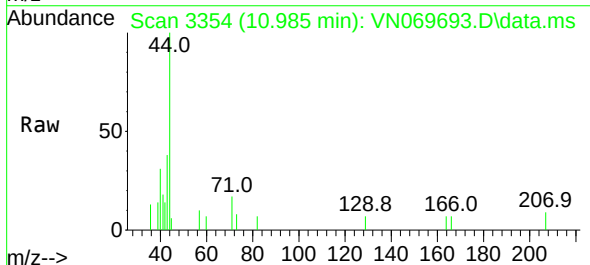
Instrument :
MSVOA_N
ClientSampleId :

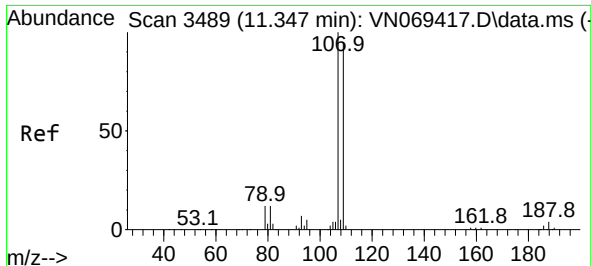
Tgt Ion: 43 Resp: 16042
Ion Ratio Lower Upper
43 100
58 32.6 26.9 80.7



#60
Dibromochloromethane
Concen: 2.420 ug/l
RT: 10.985 min Scan# 3354
Delta R.T. -0.255 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

Tgt Ion: 129 Resp: 55
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

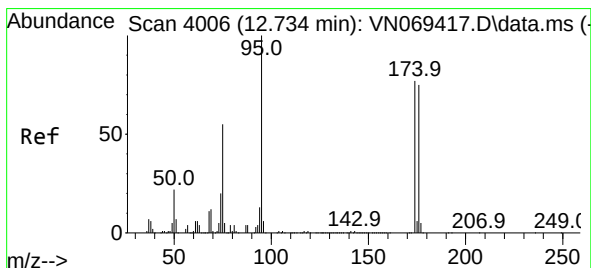
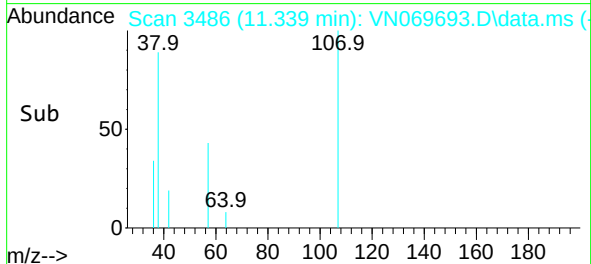
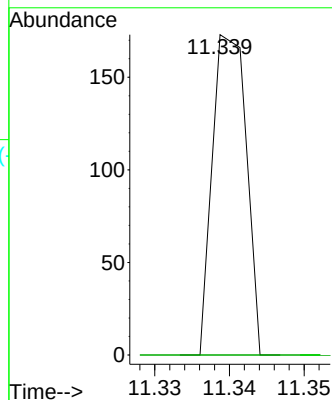
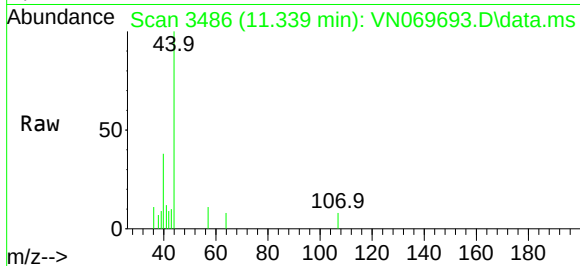




#61
1,2-Dibromoethane
Concen: 1.074 ug/l
RT: 11.339 min Scan# 3486
Delta R.T. -0.008 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

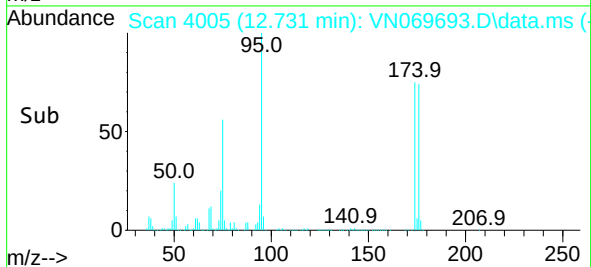
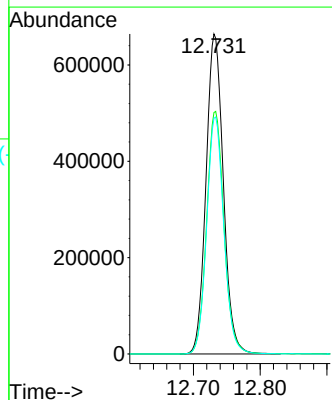
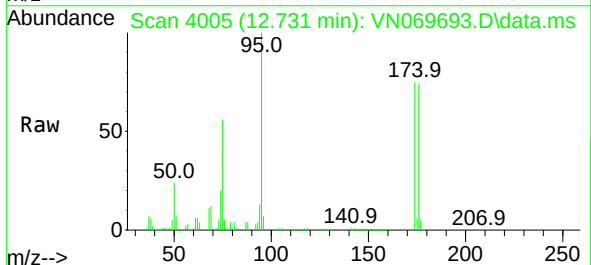
Instrument :
MSVOA_N
ClientSampleId :

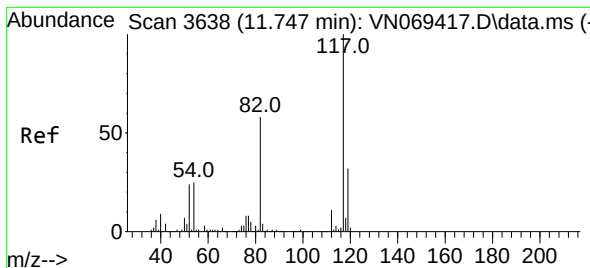
Tgt Ion:107 Resp: 55
Ion Ratio Lower Upper
107 100
109 0.0 75.7 113.5#



#62
4-Bromofluorobenzene
Concen: 54.460 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.003 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

Tgt Ion: 95 Resp: 1197040
Ion Ratio Lower Upper
95 100
174 76.0 0.0 187.2
176 73.6 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.746 min Scan# 30

Delta R.T. -0.001 min

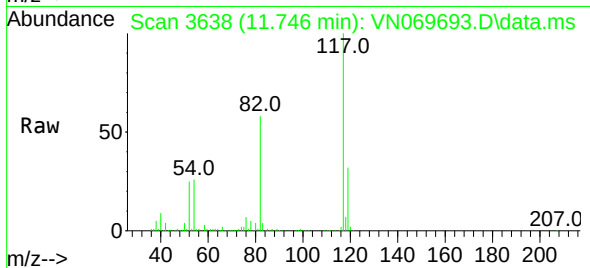
Lab File: VN069693.D

Acq: 1 Dec 2021 16:09

Instrument :

MSVOA_N

ClientSampleId :



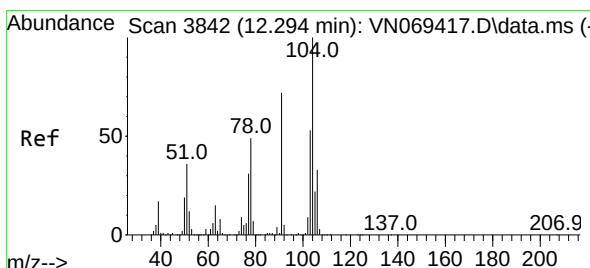
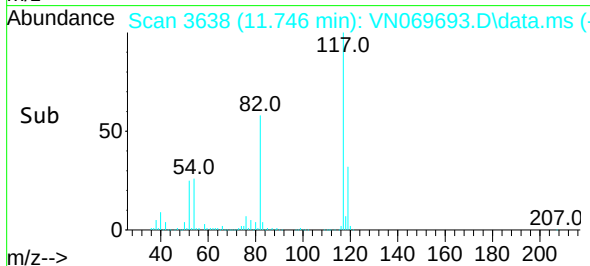
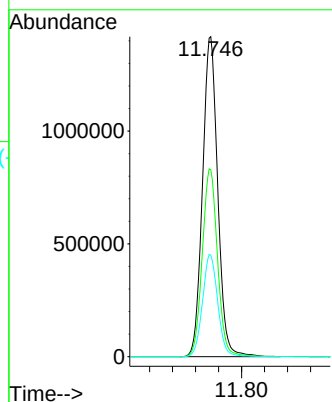
Tgt Ion:117 Resp: 2600622

Ion Ratio Lower Upper

117 100

82 58.5 42.4 63.6

119 31.7 25.4 38.2



#70

Styrene

Concen: 1.537 ug/l

RT: 12.291 min Scan# 3841

Delta R.T. -0.003 min

Lab File: VN069693.D

Acq: 1 Dec 2021 16:09

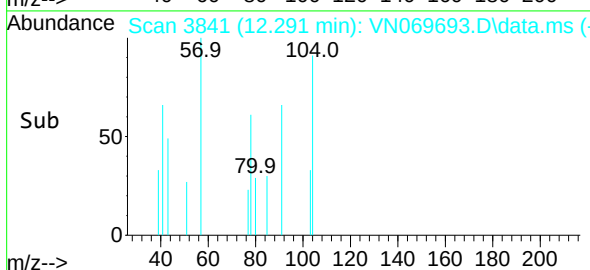
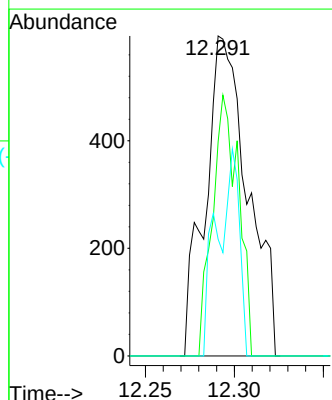
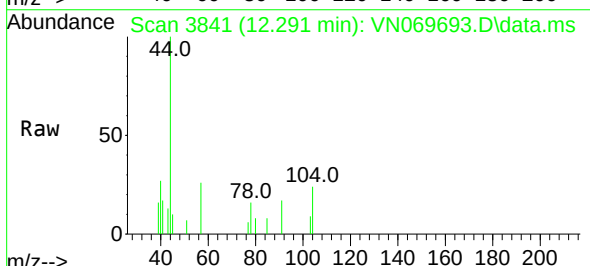
Tgt Ion:104 Resp: 995

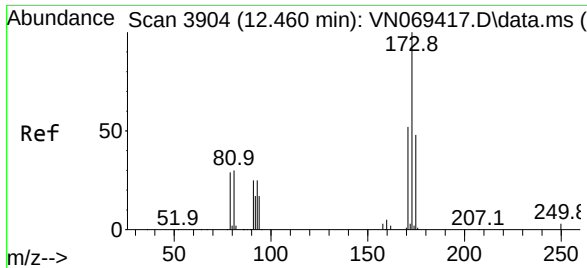
Ion Ratio Lower Upper

104 100

78 49.5 38.7 58.1

103 14.6 45.0 67.6#

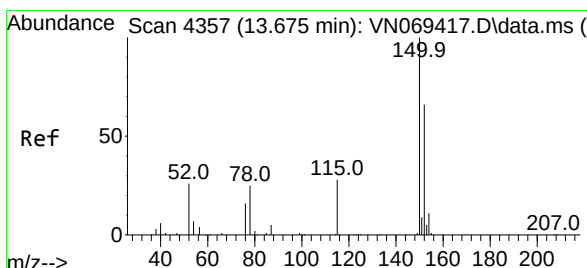
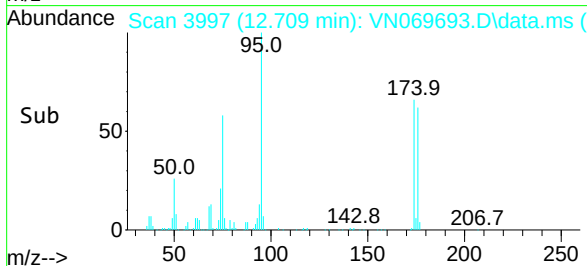
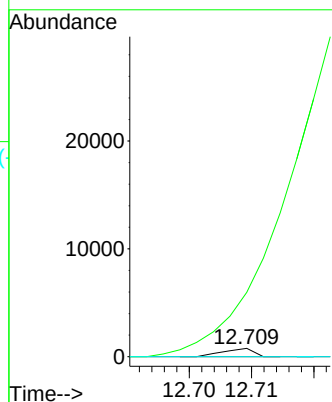
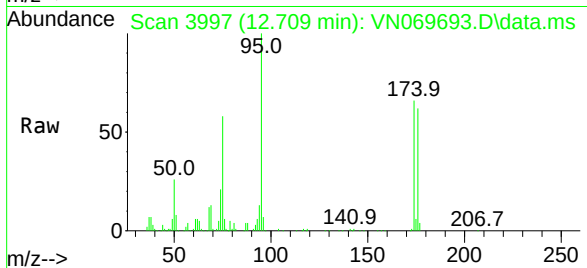




#71
Bromoform
Concen: 3.444 ug/l
RT: 12.709 min Scan# 3904
Delta R.T. 0.249 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

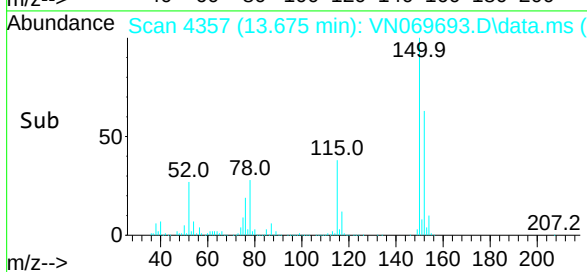
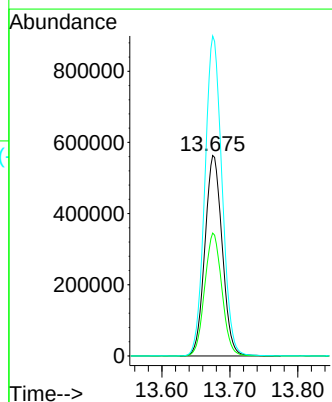
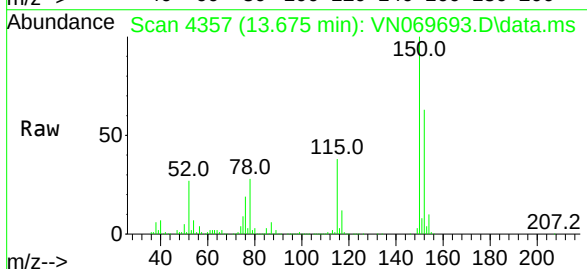
Instrument :
MSVOA_N
ClientSampleId :

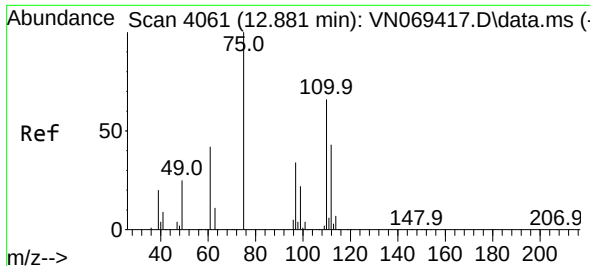
Tgt Ion:173 Resp: 261
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.000 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

Tgt Ion:152 Resp: 996464
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 158.4 0.0 344.4

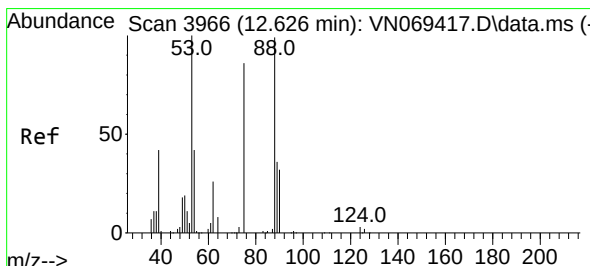
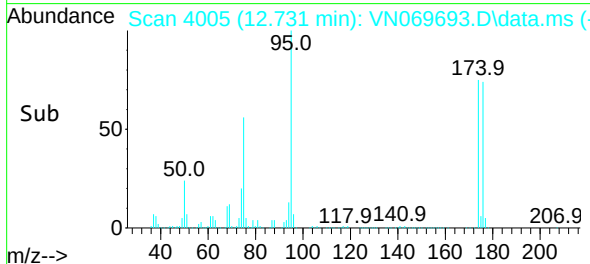
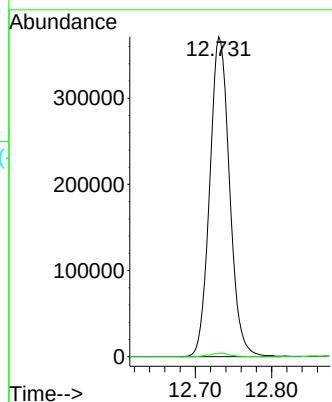
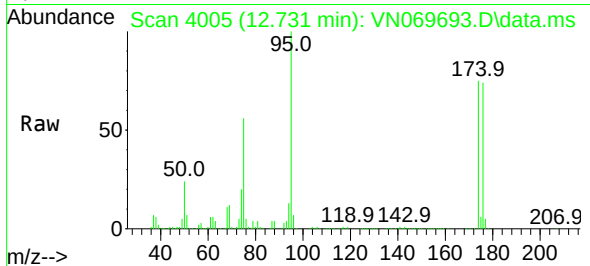




#76
1,2,3-Trichloropropane
Concen: 29.169 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

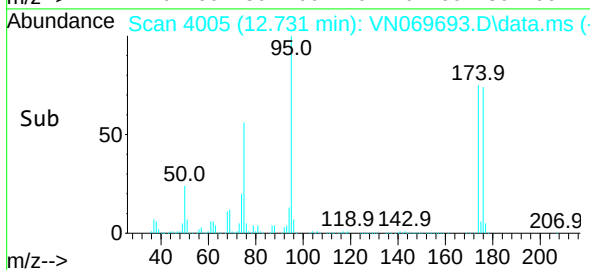
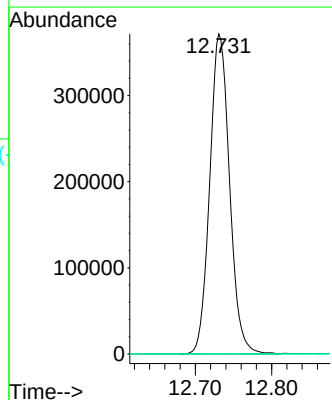
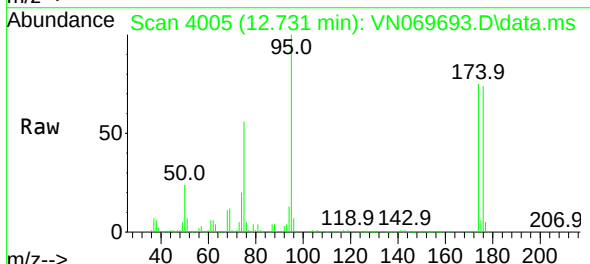
Instrument :
MSVOA_N
ClientSampleId :

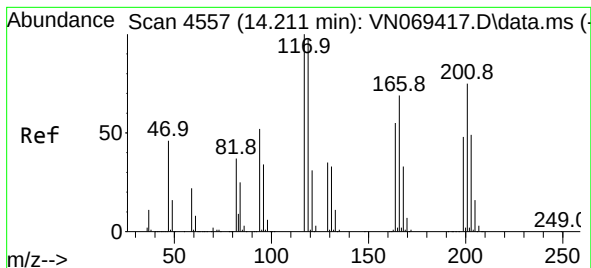
Tgt Ion: 75 Resp: 670763
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.563 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

Tgt Ion: 75 Resp: 670763
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





#90

Hexachloroethane

Concen: 2.164 ug/l

RT: 13.989 min Scan# 44

Delta R.T. -0.222 min

Lab File: VN069693.D

Acq: 1 Dec 2021 16:09

Instrument :

MSVOA_N

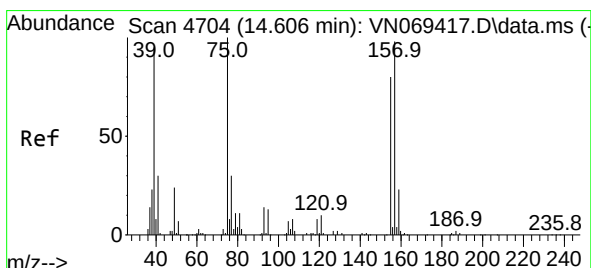
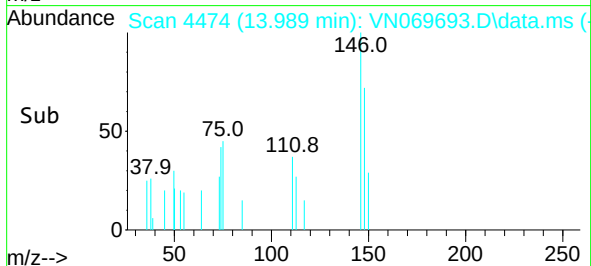
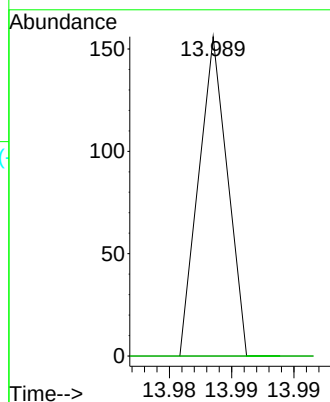
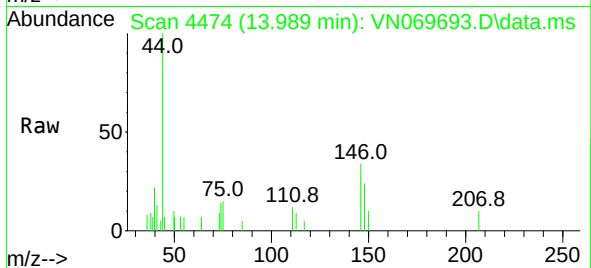
ClientSampleId :

Tgt Ion:117 Resp: 25

Ion Ratio Lower Upper

117 100

201 0.0 43.9 131.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.802 ug/l

RT: 14.616 min Scan# 4708

Delta R.T. 0.010 min

Lab File: VN069693.D

Acq: 1 Dec 2021 16:09

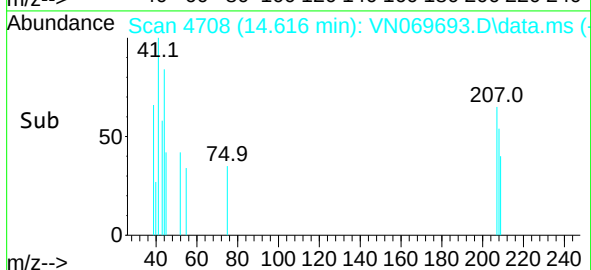
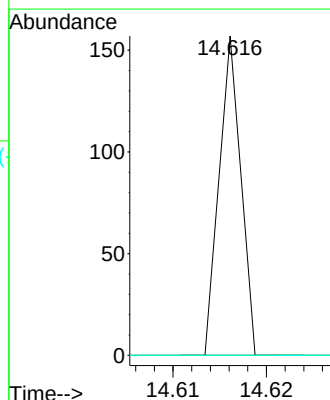
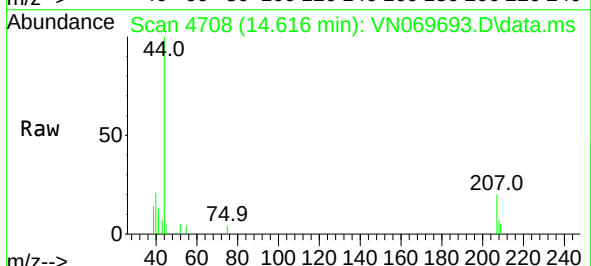
Tgt Ion: 75 Resp: 25

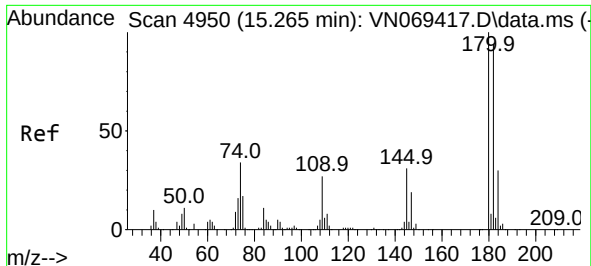
Ion Ratio Lower Upper

75 100

155 0.0 46.9 140.7#

157 0.0 60.6 181.7#

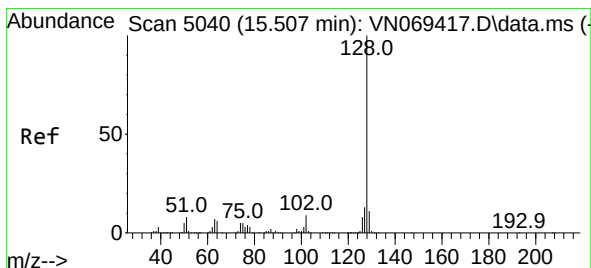
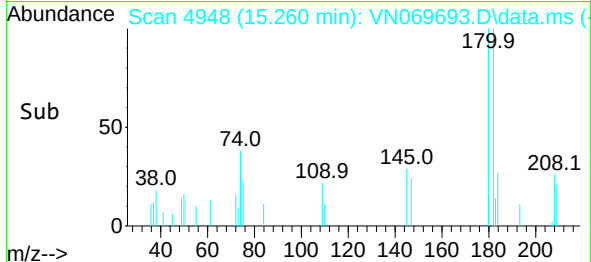
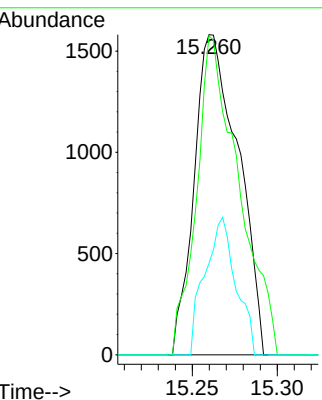
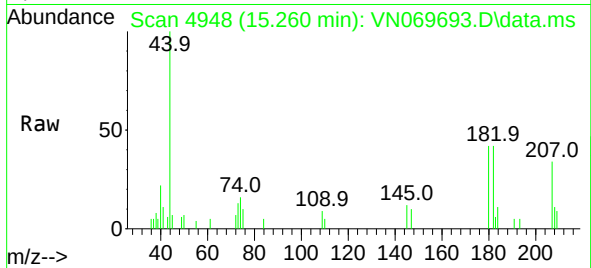




#93
1,2,4-Trichlorobenzene
Concen: 3.283 ug/l
RT: 15.260 min Scan# 4950
Delta R.T. -0.005 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

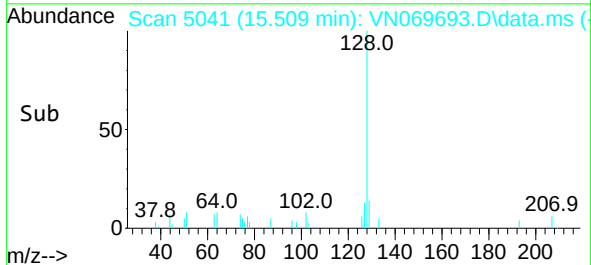
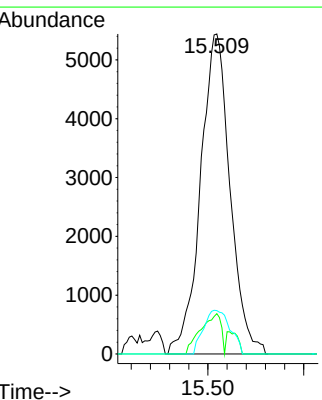
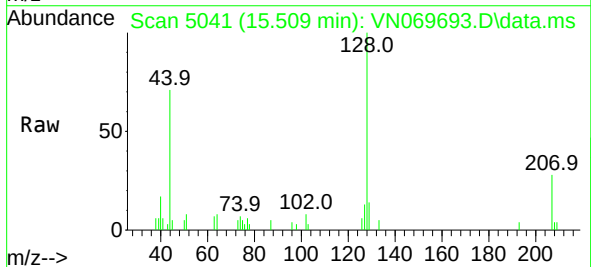
Instrument :
MSVOA_N
ClientSampleId :

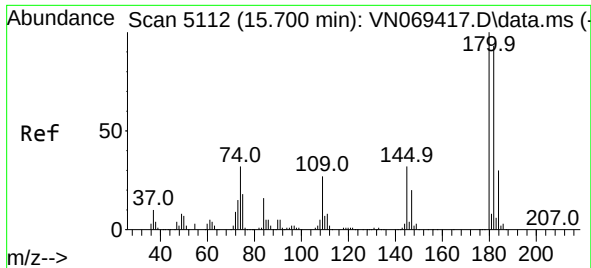
Tgt Ion:180 Resp: 2837
Ion Ratio Lower Upper
180 100
182 95.8 48.3 144.9
145 30.3 14.5 43.5



#95
Naphthalene
Concen: 4.691 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069693.D
Acq: 1 Dec 2021 16:09

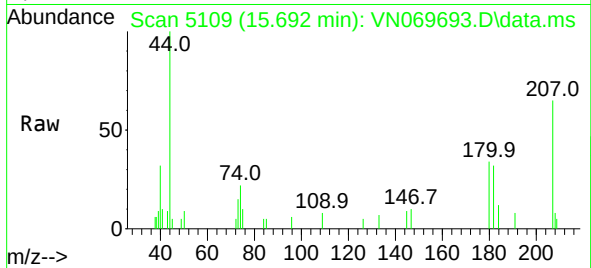
Tgt Ion:128 Resp: 11638
Ion Ratio Lower Upper
128 100
127 8.7 10.5 15.7#
129 12.3 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.239 ug/l
 RT: 15.692 min Scan# 5111
 Delta R.T. -0.008 min
 Lab File: VN069693.D
 Acq: 1 Dec 2021 16:09

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1111
 Ion Ratio Lower Upper
 180 100
 182 207.7 47.4 142.2#
 145 98.8 15.0 45.1#

