

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111121\
 Data File : VN069458.D
 Acq On : 11 Nov 2021 17:05
 Operator : JC/MD
 Sample : M4660-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 05:16:59 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

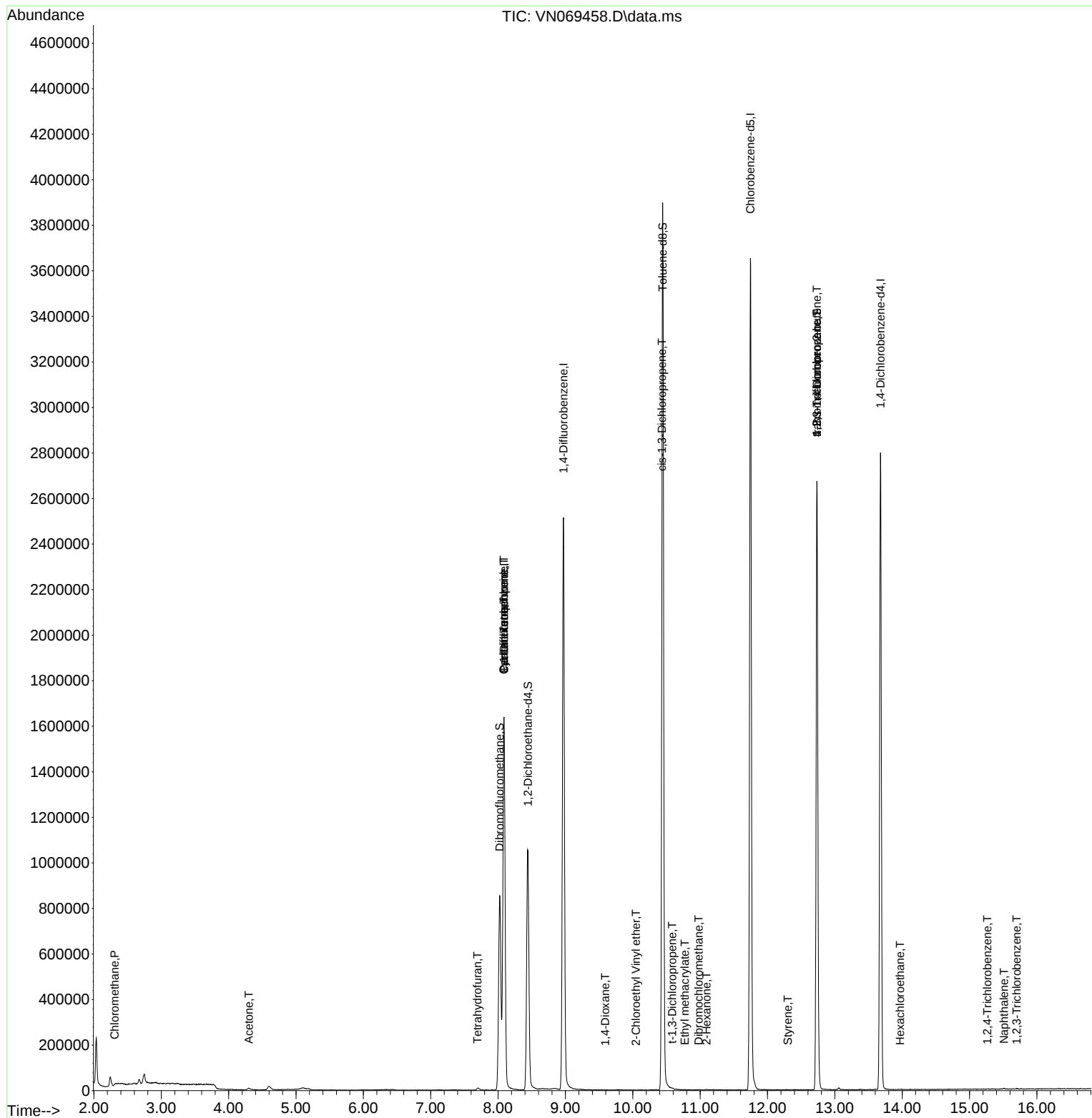
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1182090	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	2114591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2049273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	725465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	906525	52.890	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.780%	
35) Dibromofluoromethane	8.024	113	626911	49.431	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.860%	
50) Toluene-d8	10.443	98	2700951	54.149	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 108.300%	
62) 4-Bromofluorobenzene	12.733	95	900001	49.116	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 98.240%	
Target Compounds						Qvalue
3) Chloromethane	2.306	50	3351	0.229	ug/l	97
13) Acrolein	4.030	56	486	Below Cal	#	43
16) Acetone	4.299	43	10973	1.187	ug/l	# 86
29) Tetrahydrofuran	7.694	42	3557	0.463	ug/l	# 70
31) Cyclohexane	8.086	56	32314	1.380	ug/l	# 44
36) 1,1-Dichloropropene	8.088	75	106308	5.975	ug/l	# 49
38) Carbon Tetrachloride	8.086	117	126980	7.392	ug/l	# 16
49) 1,4-Dioxane	9.590	88	53	39.200	ug/l	# 1
53) t-1,3-Dichloropropene	10.585	75	25	2.638	ug/l	# 80
54) cis-1,3-Dichloropropene	10.432	75	238	1.743	ug/l	# 1
56) Ethyl methacrylate	10.773	69	166	2.059	ug/l	# 55
58) 2-Chloroethyl Vinyl ether	10.049	63	26	22.774	ug/l	# 45
59) 2-Hexanone	11.095	43	1965	8.032	ug/l	93
60) Dibromochloromethane	10.979	129	262	2.434	ug/l	# 11
70) Styrene	12.302	104	410	1.529	ug/l	# 49
76) 1,2,3-Trichloropropane	12.733	75	517822	30.929	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.733	75	517822	87.198	ug/l	# 5
90) Hexachloroethane	13.967	117	49	2.168	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.265	180	581	3.161	ug/l	# 74
95) Naphthalene	15.512	128	2040	4.509	ug/l	# 90
96) 1,2,3-Trichlorobenzene	15.700	180	251	3.191	ug/l	# 82

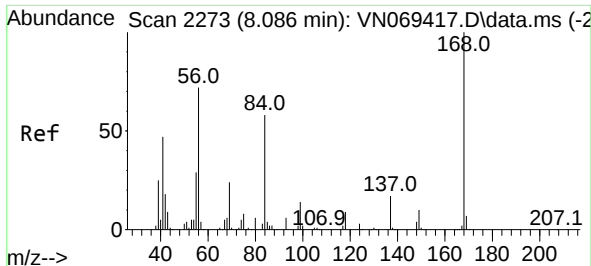
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

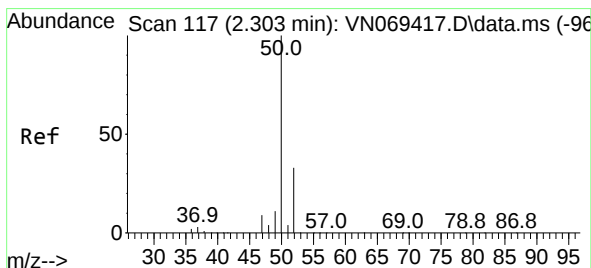
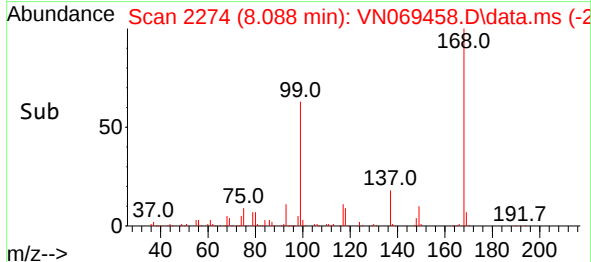
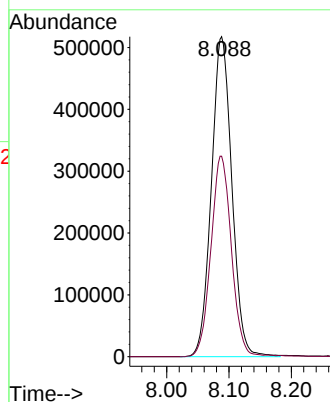
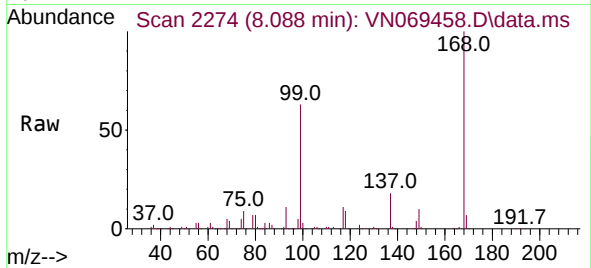




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

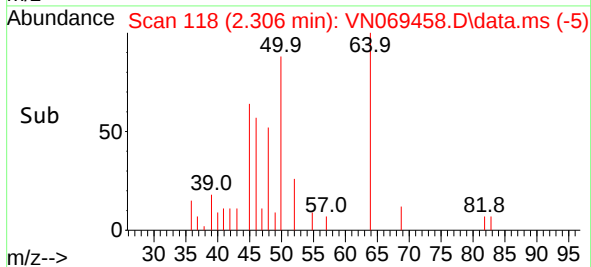
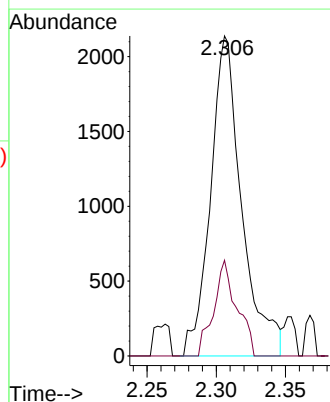
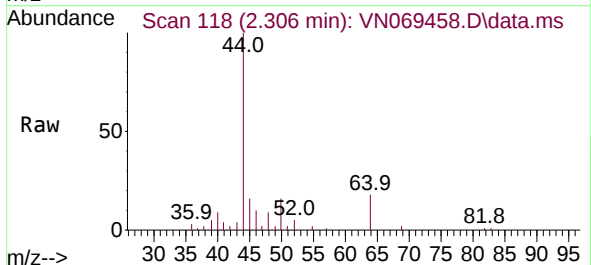
Instrument :
MSVOA_N
ClientSampleId :

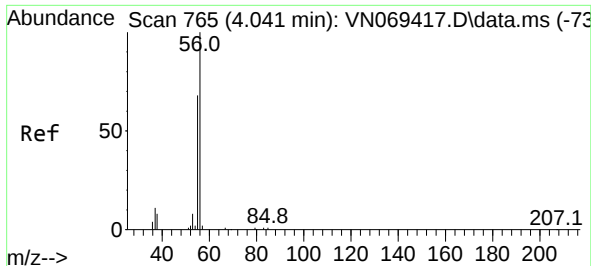
Tgt Ion:168 Resp: 1182090
Ion Ratio Lower Upper
168 100
99 62.7 41.3 61.9#



#3
Chloromethane
Concen: 0.229 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

Tgt Ion: 50 Resp: 3351
Ion Ratio Lower Upper
50 100
52 29.9 25.4 38.0

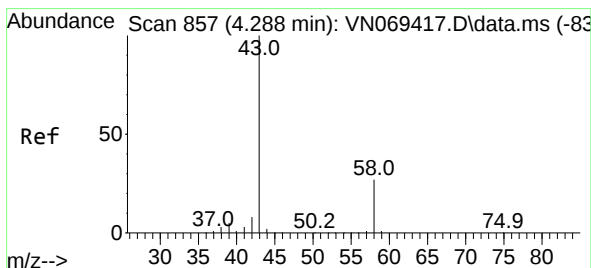
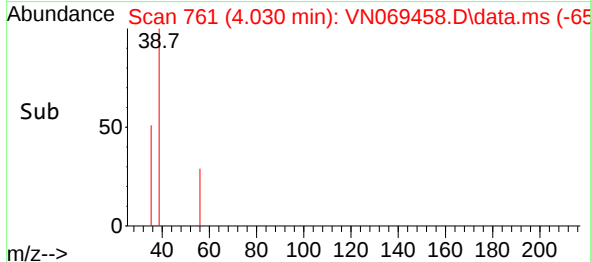
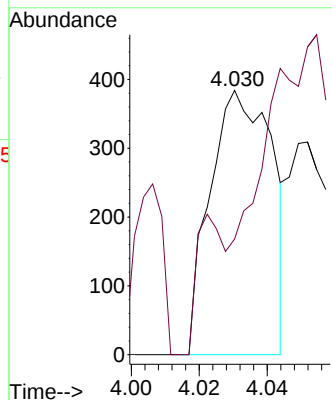
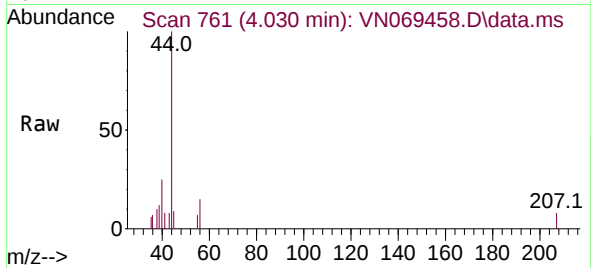




#13
Acrolein
Concen: Below Cal
RT: 4.030 min Scan# 761
Delta R.T. -0.011 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

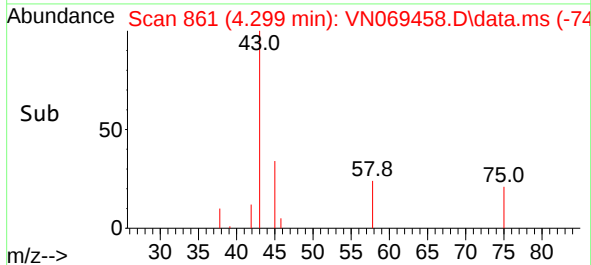
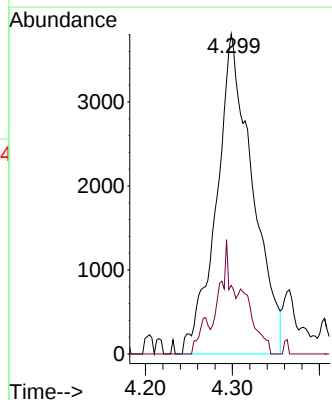
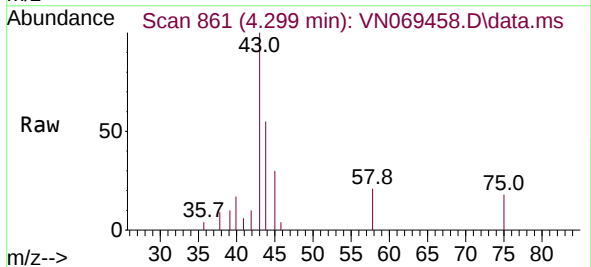
Instrument :
MSVOA_N
ClientSampleId :

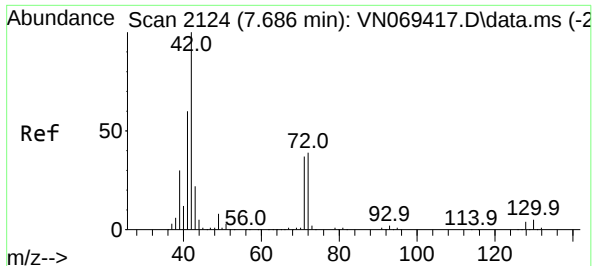
Tgt Ion: 56 Resp: 486
Ion Ratio Lower Upper
56 100
55 23.7 56.6 85.0#



#16
Acetone
Concen: 1.187 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

Tgt Ion: 43 Resp: 10973
Ion Ratio Lower Upper
43 100
58 21.4 23.1 34.7#





#29

Tetrahydrofuran

Concen: 0.463 ug/l

RT: 7.694 min Scan# 2124

Delta R.T. 0.008 min

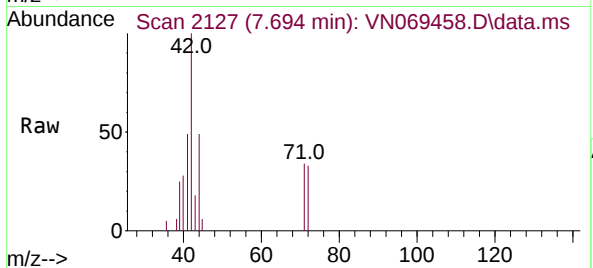
Lab File: VN069458.D

Acq: 11 Nov 2021 17:05

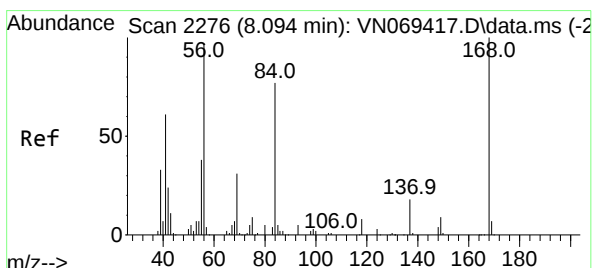
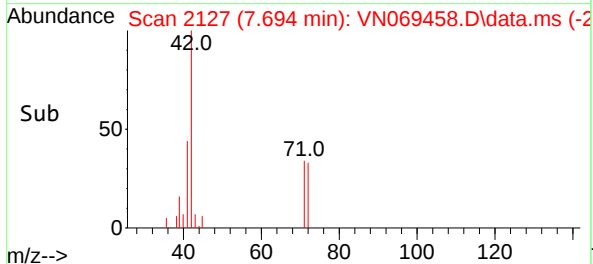
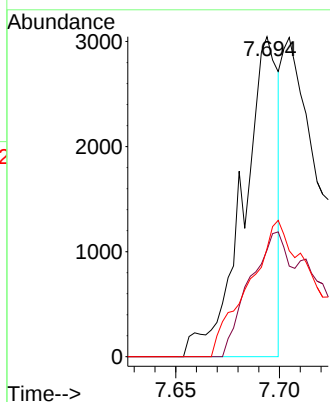
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	3557
Ion Ratio	Lower	Upper	
42	100		
72	46.0	36.3	54.5
71	82.8	34.7	52.1



#31

Cyclohexane

Concen: 1.380 ug/l

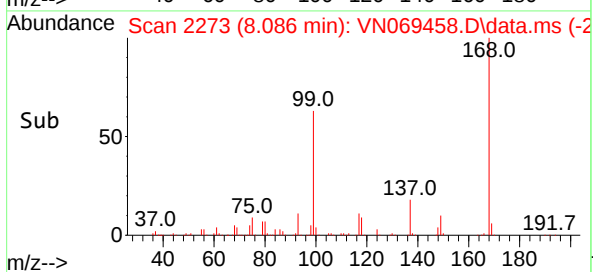
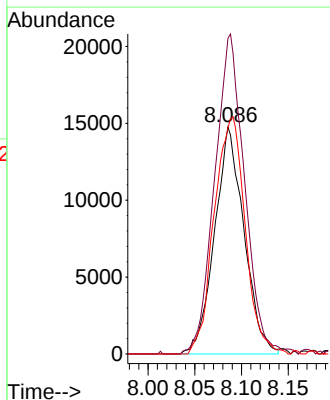
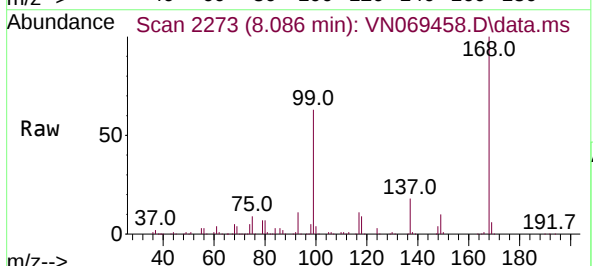
RT: 8.086 min Scan# 2273

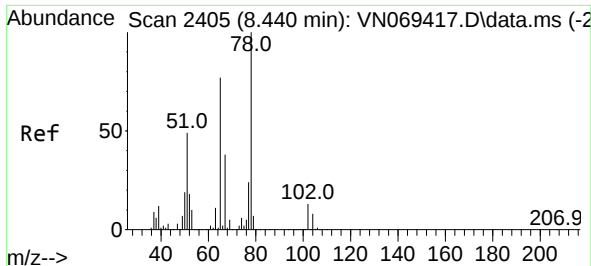
Delta R.T. -0.008 min

Lab File: VN069458.D

Acq: 11 Nov 2021 17:05

Tgt Ion:	56	Resp:	32314
Ion Ratio	Lower	Upper	
56	100		
69	139.2	27.1	40.7
84	99.8	73.4	110.0





#33

1,2-Dichloroethane-d4

Concen: 52.890 ug/l

RT: 8.442 min Scan# 2405

Delta R.T. 0.002 min

Lab File: VN069458.D

Acq: 11 Nov 2021 17:05

Instrument :

MSVOA_N

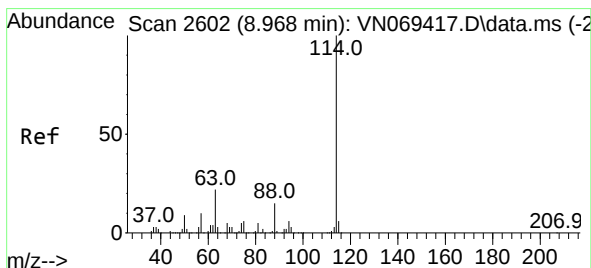
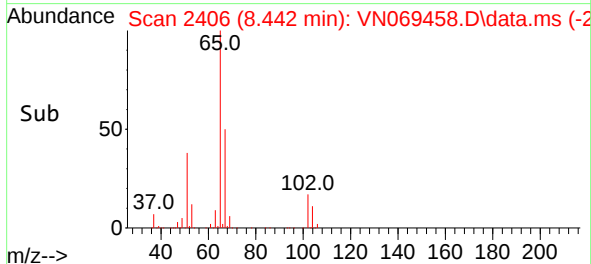
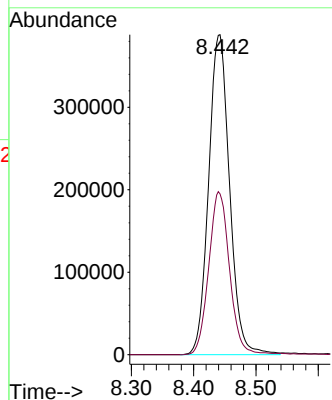
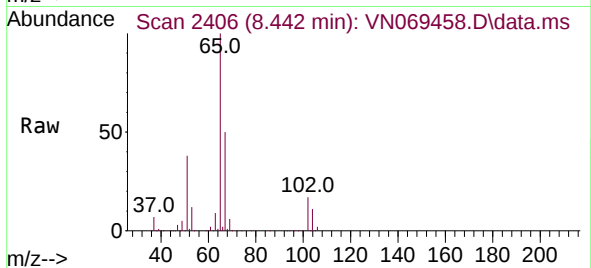
ClientSampleId :

Tgt Ion: 65 Resp: 906525

Ion Ratio Lower Upper

65 100

67 50.7 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: VN069458.D

Acq: 11 Nov 2021 17:05

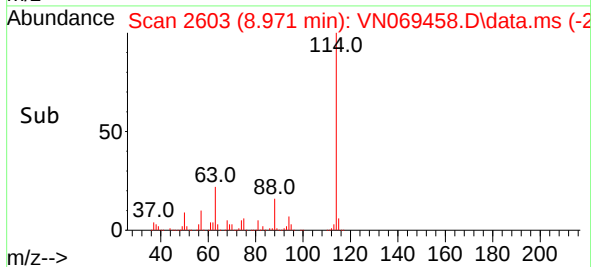
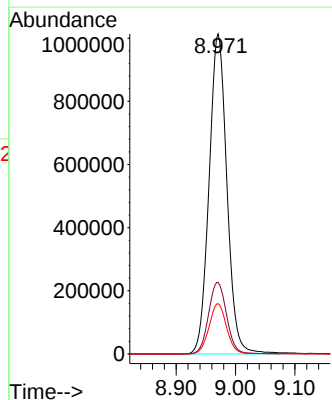
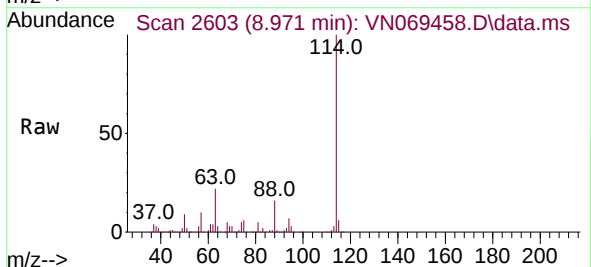
Tgt Ion: 114 Resp: 2114591

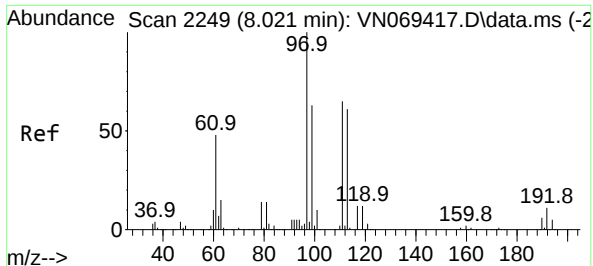
Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.8

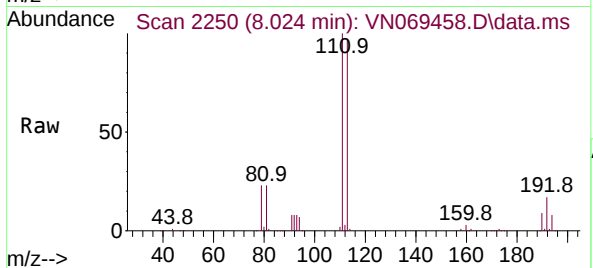
88 15.7 0.0 27.4



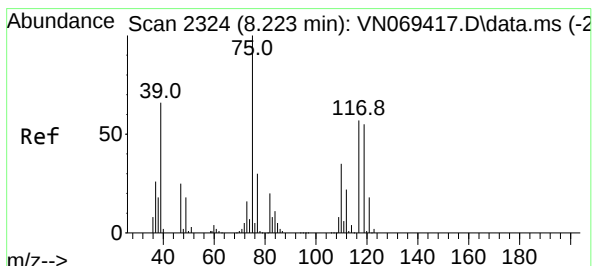
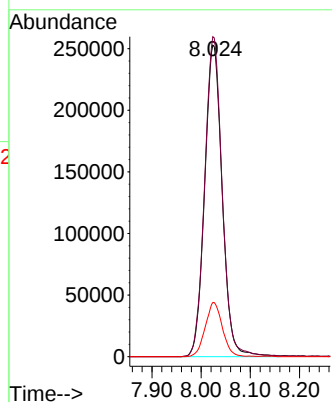
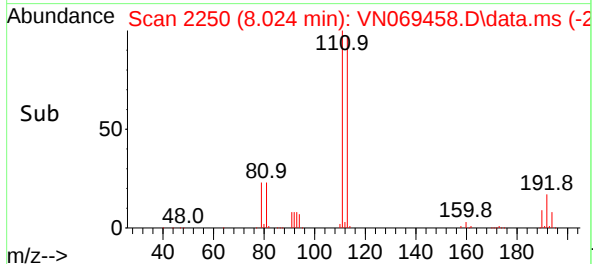


#35
Dibromofluoromethane
Concen: 49.431 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

Instrument :
MSVOA_N
ClientSampleId :

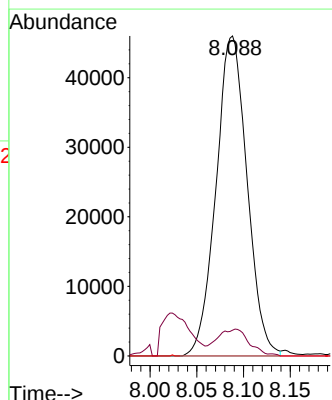
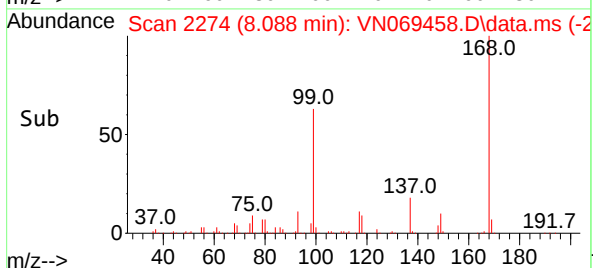
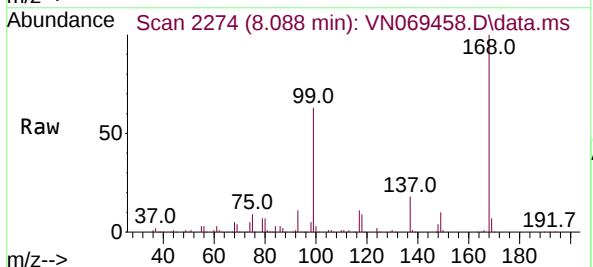


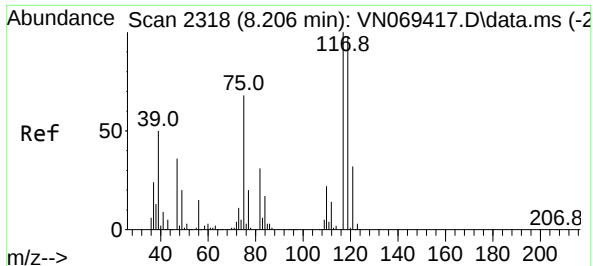
Tgt Ion:113 Resp: 626911
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 17.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.975 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

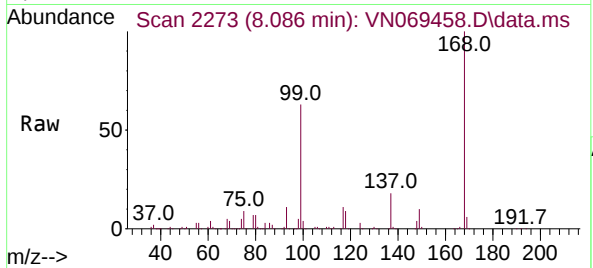
Tgt Ion: 75 Resp: 106308
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#



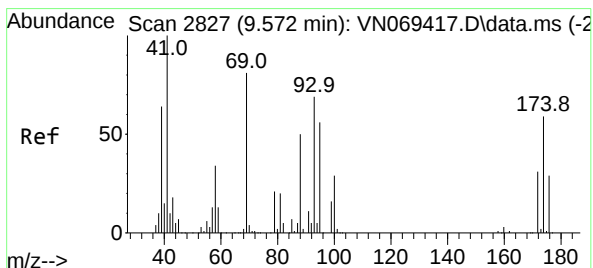
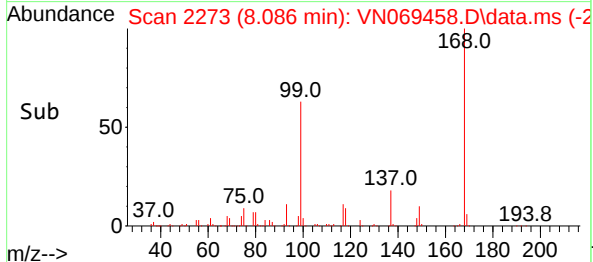
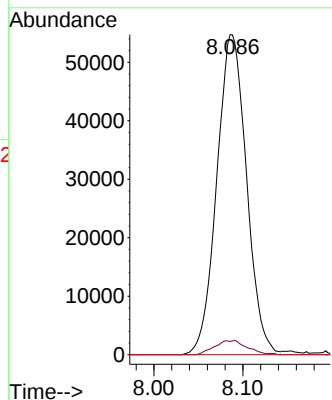


#38
Carbon Tetrachloride
Concen: 7.392 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

Instrument :
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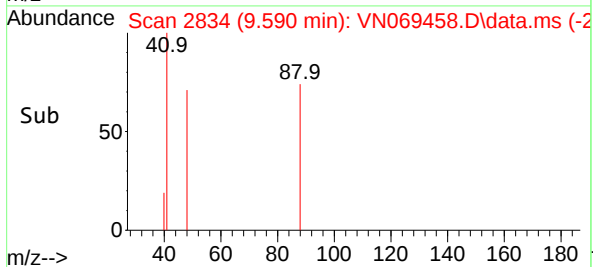
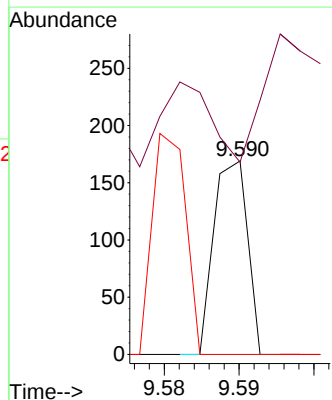
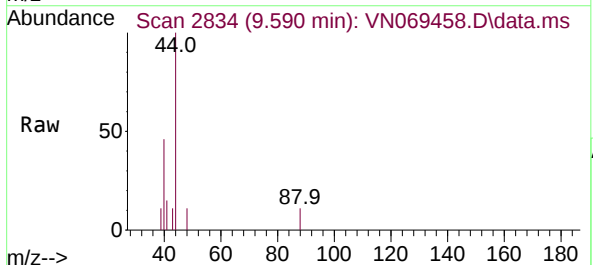


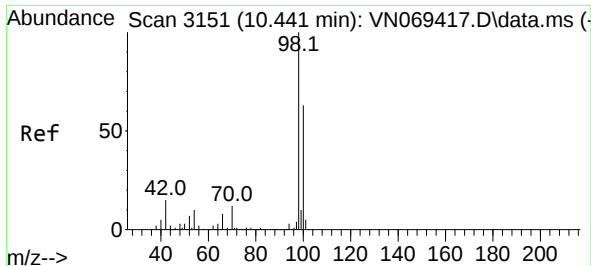
Tgt Ion:117 Resp: 126980
Ion Ratio Lower Upper
117 100
119 4.1 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 39.200 ug/l
RT: 9.590 min Scan# 2834
Delta R.T. 0.018 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 130.2 23.4 35.2#
58 0.0 50.6 75.8#

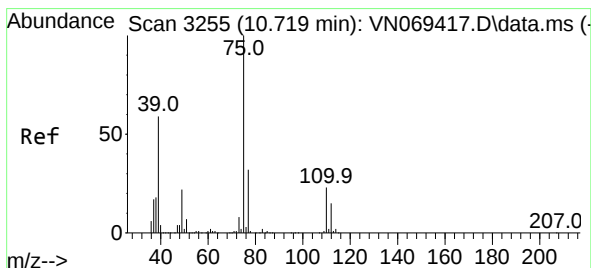
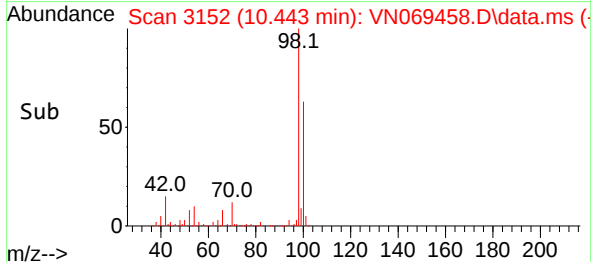
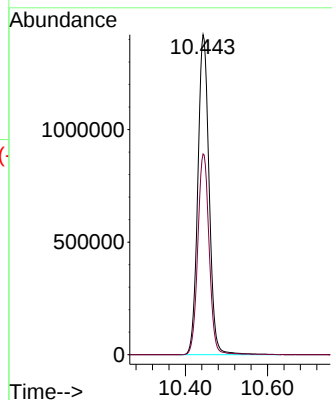
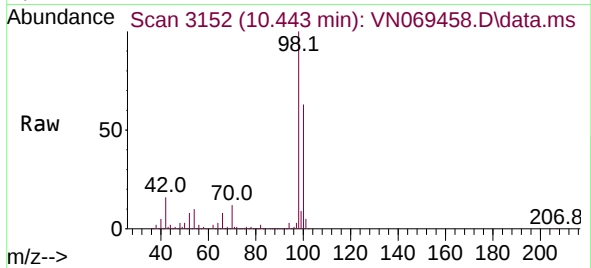




#50
Toluene-d8
Concen: 54.149 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

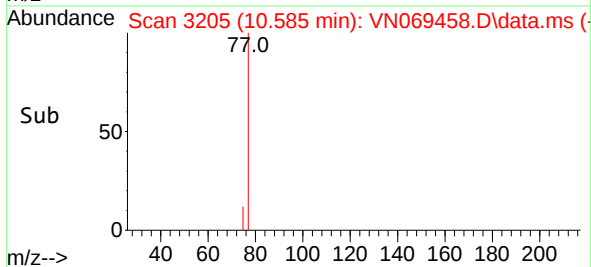
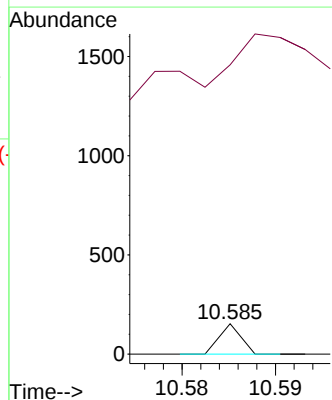
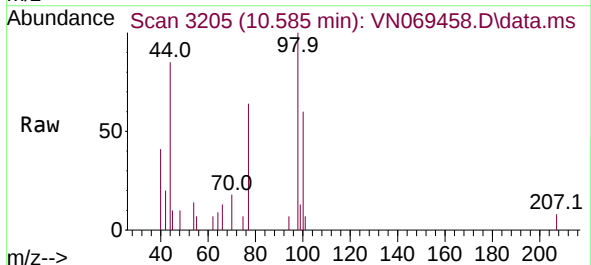
Instrument :
MSVOA_N
ClientSampleId :

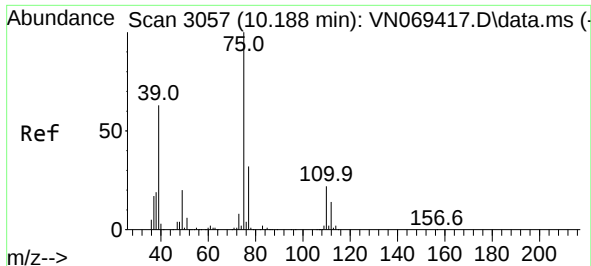
Tgt Ion: 98 Resp: 2700951
Ion Ratio Lower Upper
98 100
100 63.1 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.638 ug/l
RT: 10.585 min Scan# 3205
Delta R.T. -0.134 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

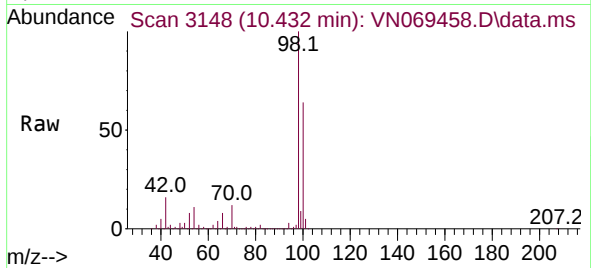
Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
77 20.9 25.6 38.4#





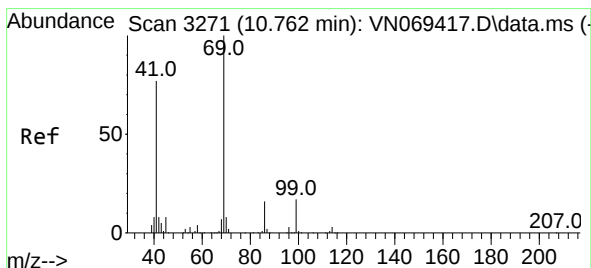
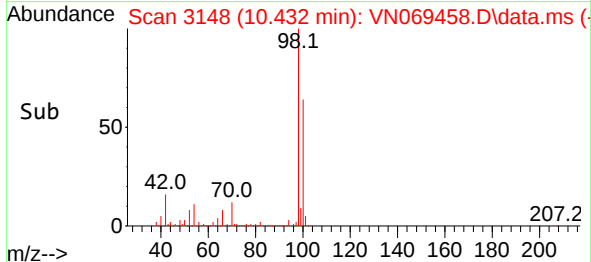
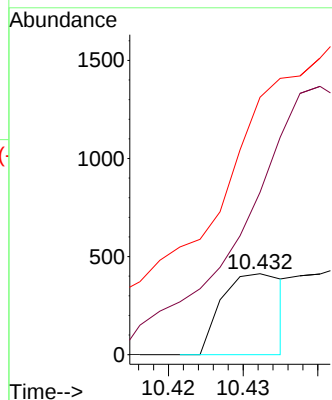
#54
 cis-1,3-Dichloropropene
 Concen: 1.743 ug/l
 RT: 10.432 min Scan# 3148
 Delta R.T. 0.244 min
 Lab File: VN069458.D
 Acq: 11 Nov 2021 17:05

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 238

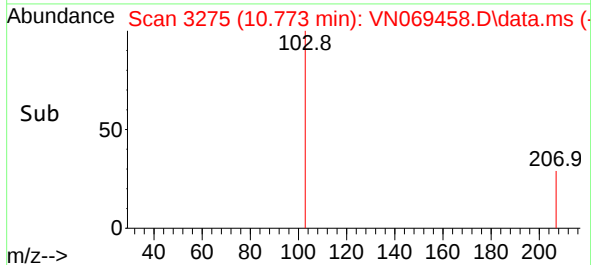
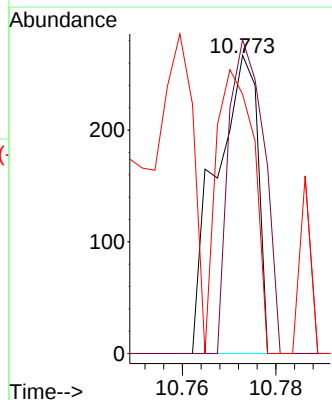
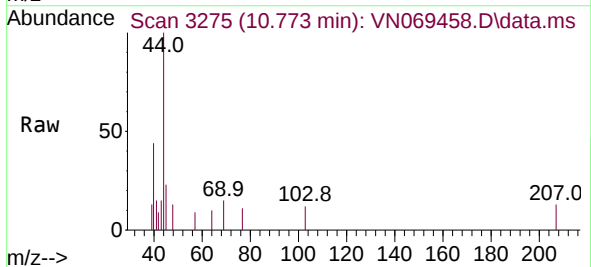
Ion	Ratio	Lower	Upper
75	100		
77	135.4	26.4	39.6#
39	184.7	42.5	63.7#

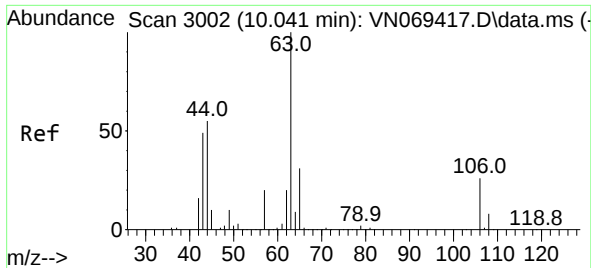


#56
 Ethyl methacrylate
 Concen: 2.059 ug/l
 RT: 10.773 min Scan# 3275
 Delta R.T. 0.011 min
 Lab File: VN069458.D
 Acq: 11 Nov 2021 17:05

Tgt Ion: 69 Resp: 166

Ion	Ratio	Lower	Upper
69	100		
41	88.6	51.4	77.0#
39	85.5	34.6	52.0#

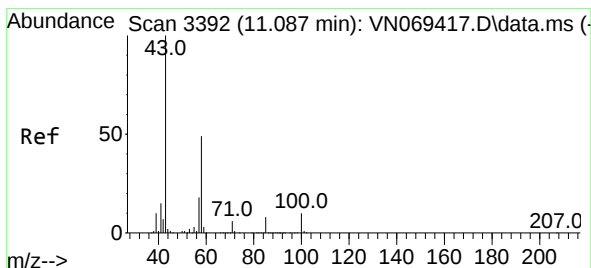
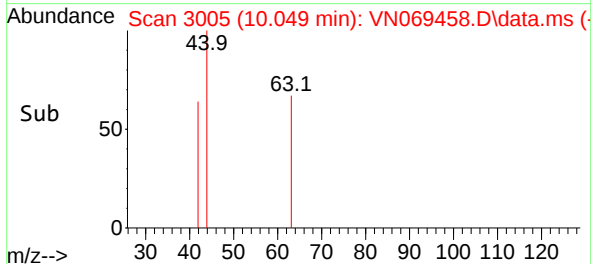
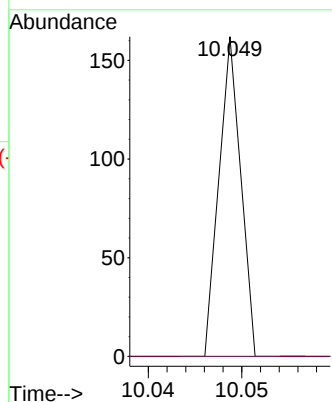
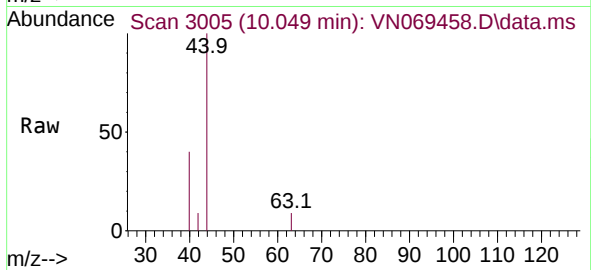




#58
2-Chloroethyl Vinyl ether
Concen: 22.774 ug/l
RT: 10.049 min Scan# 3002
Delta R.T. 0.008 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

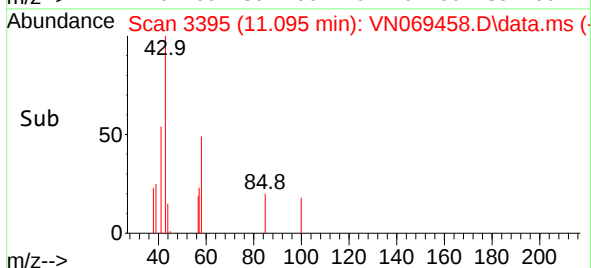
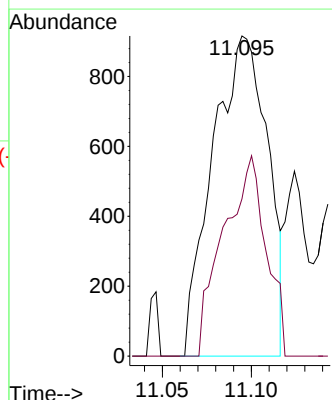
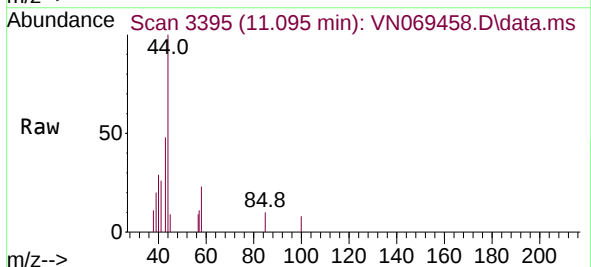
Instrument :
MSVOA_N
ClientSampleId :

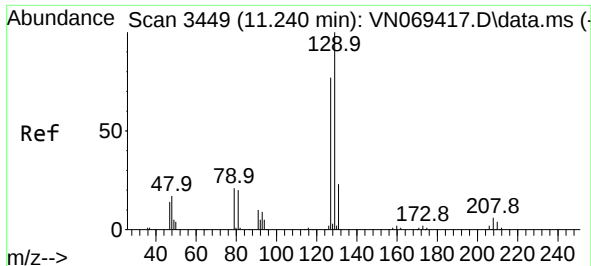
Tgt Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 8.032 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

Tgt Ion: 43 Resp: 1965
Ion Ratio Lower Upper
43 100
58 48.5 26.9 80.7

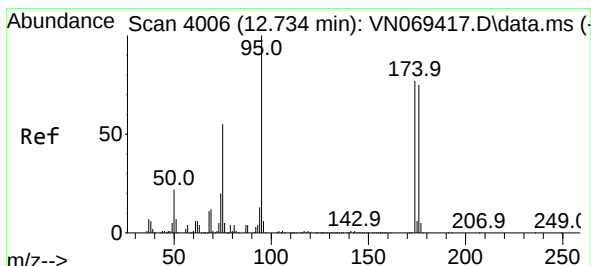
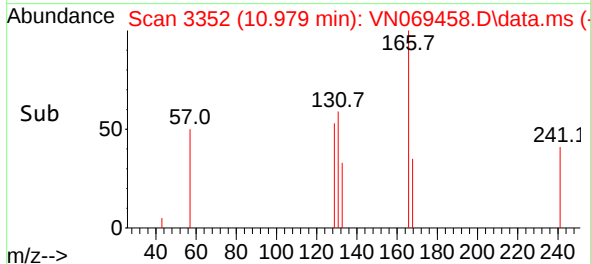
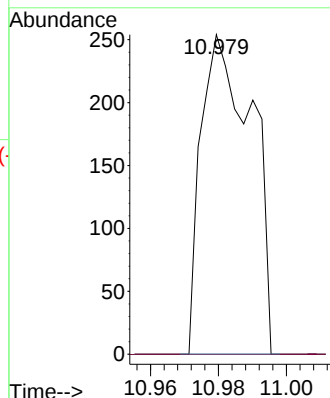
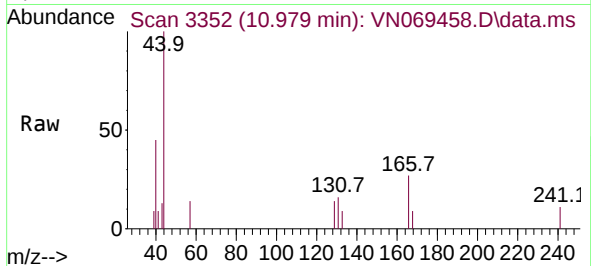




#60
Dibromochloromethane
Concen: 2.434 ug/l
RT: 10.979 min Scan# 31
Delta R.T. -0.261 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

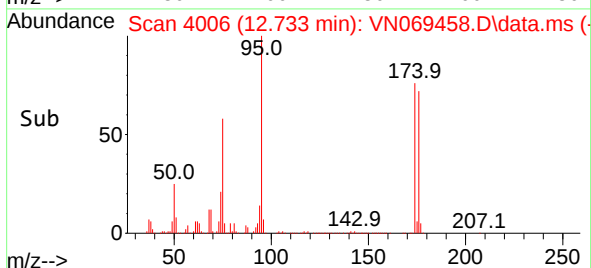
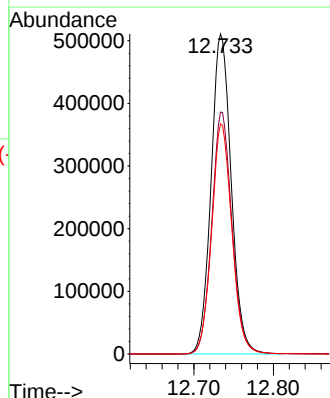
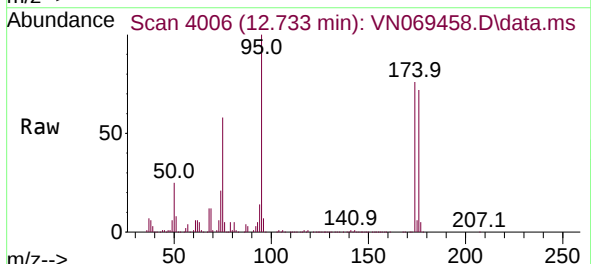
Instrument :
MSVOA_N
ClientSampleId :

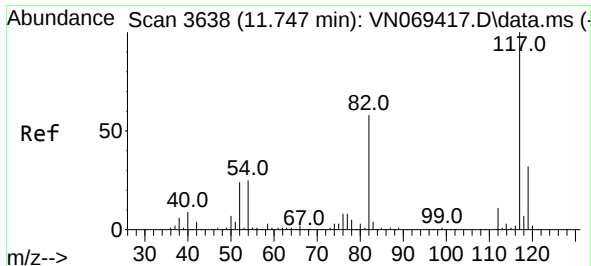
Tgt Ion:129 Resp: 262
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 49.116 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

Tgt Ion: 95 Resp: 900001
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 72.1 0.0 181.4

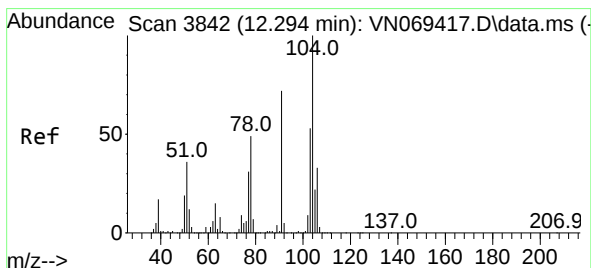
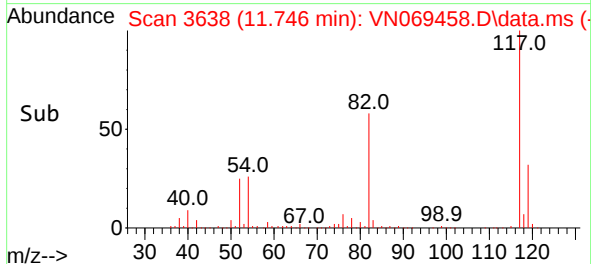
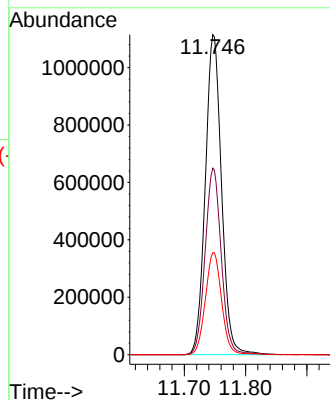
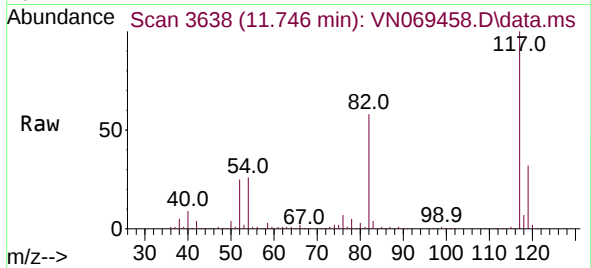




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 30
Delta R.T. -0.001 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

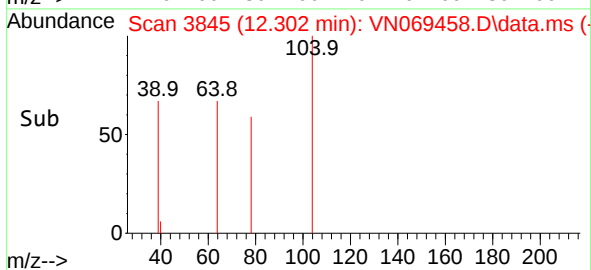
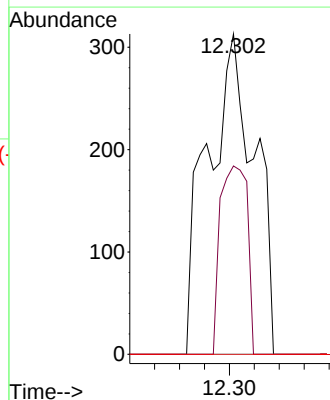
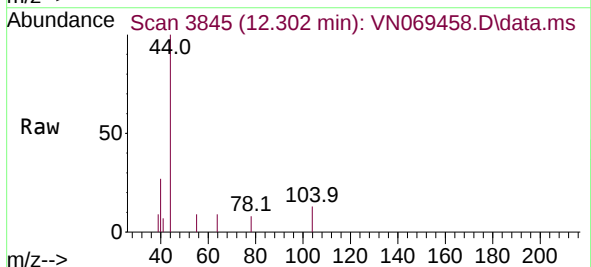
Instrument :
MSVOA_N
ClientSampleId :

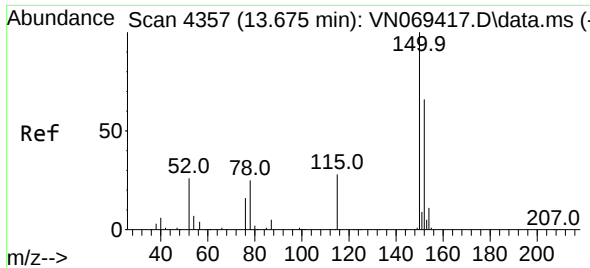
Tgt Ion:117 Resp: 2049273
Ion Ratio Lower Upper
117 100
82 58.3 42.4 63.6
119 31.9 25.4 38.2



#70
Styrene
Concen: 1.529 ug/l
RT: 12.302 min Scan# 3845
Delta R.T. 0.008 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

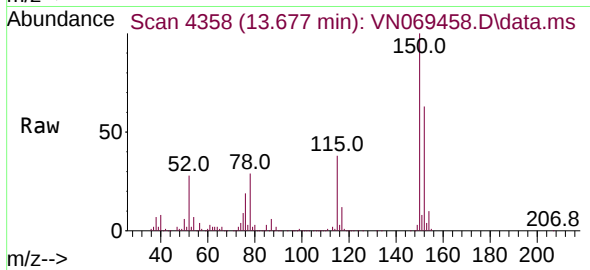
Tgt Ion:104 Resp: 410
Ion Ratio Lower Upper
104 100
78 33.7 38.7 58.1#
103 0.0 45.0 67.6#



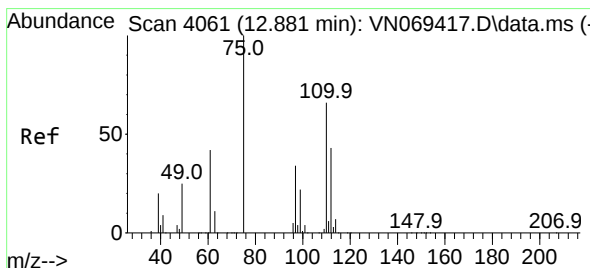
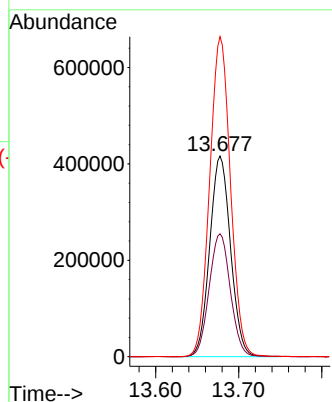
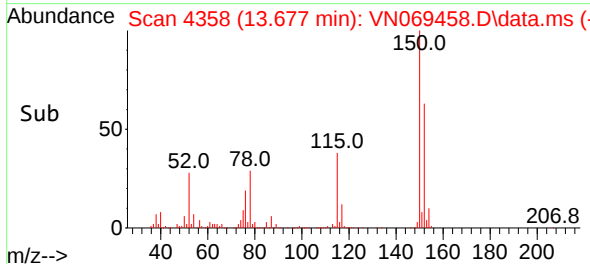


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 41
 Delta R.T. 0.002 min
 Lab File: VN069458.D
 Acq: 11 Nov 2021 17:05

Instrument :
 MSVOA_N
 ClientSampleId :

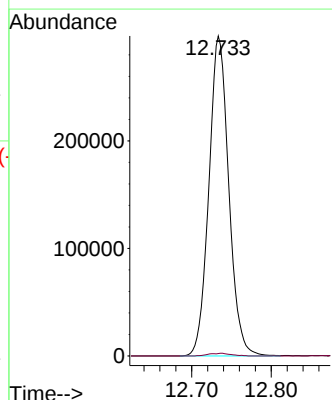
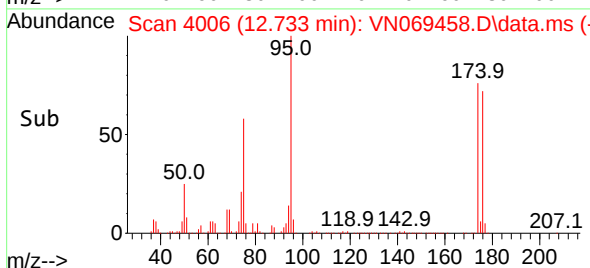
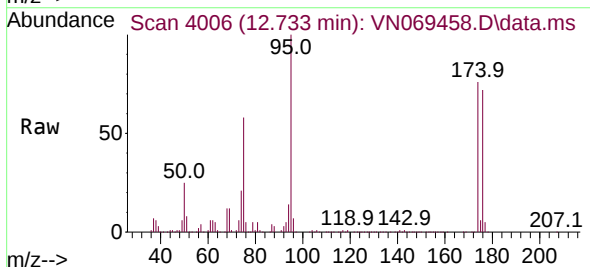


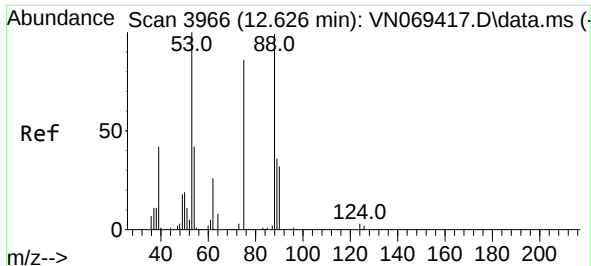
Tgt Ion:152 Resp: 725465
 Ion Ratio Lower Upper
 152 100
 115 62.4 27.5 82.5
 150 159.2 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 30.929 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN069458.D
 Acq: 11 Nov 2021 17:05

Tgt Ion: 75 Resp: 517822
 Ion Ratio Lower Upper
 75 100
 77 0.9 82.6 247.8#

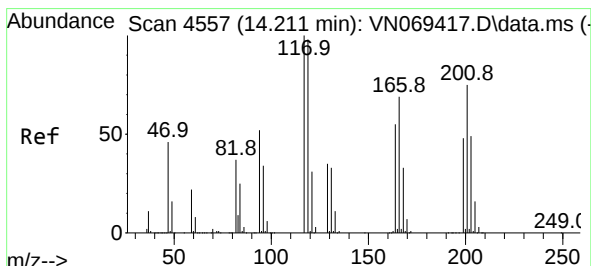
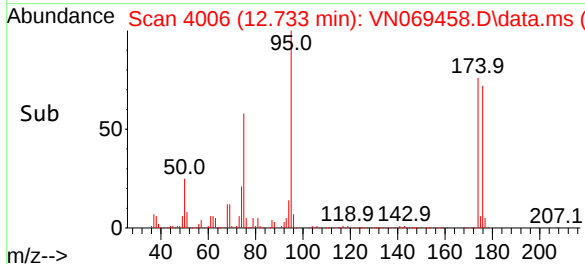
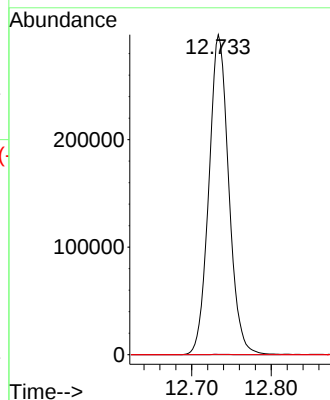
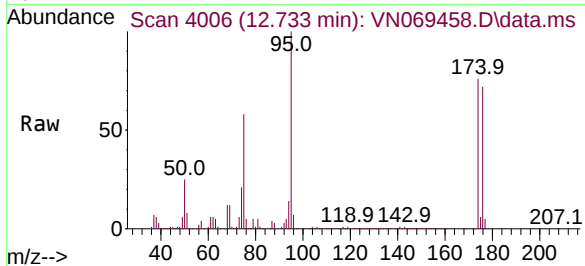




#81
trans-1,4-Dichloro-2-butene
Concen: 87.198 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

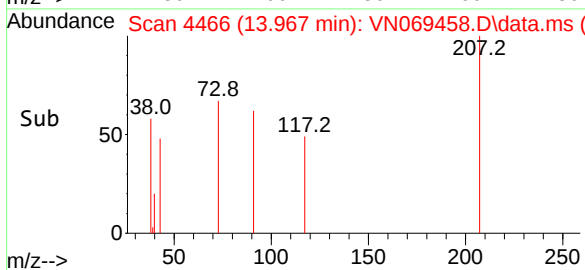
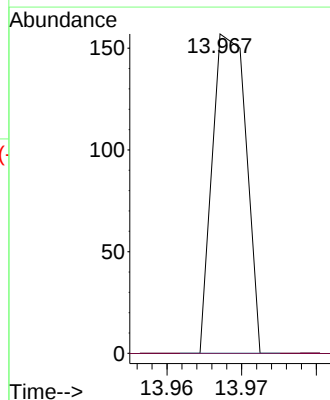
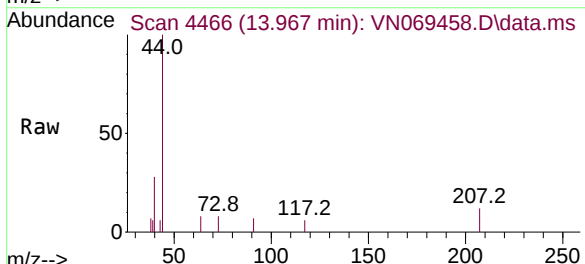
Instrument :
MSVOA_N
ClientSampleId :

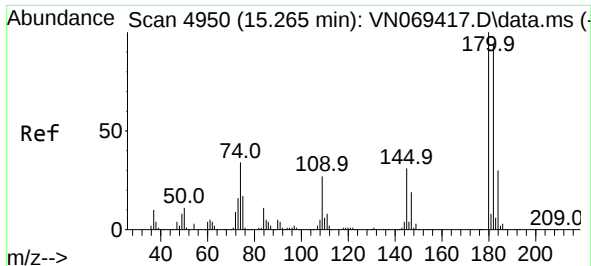
Tgt Ion: 75 Resp: 517822
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#90
Hexachloroethane
Concen: 2.168 ug/l
RT: 13.967 min Scan# 4466
Delta R.T. -0.244 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

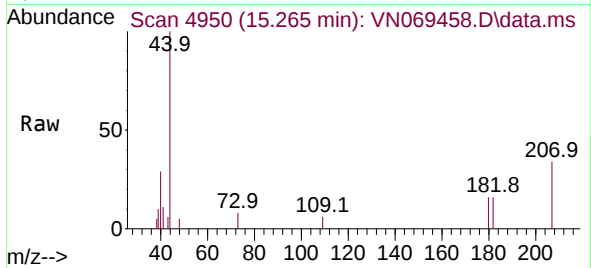
Tgt Ion: 117 Resp: 49
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#



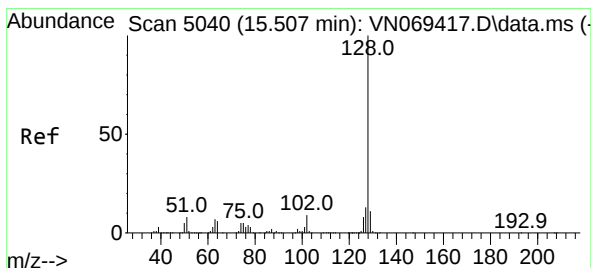
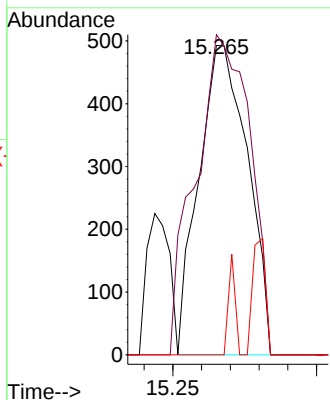
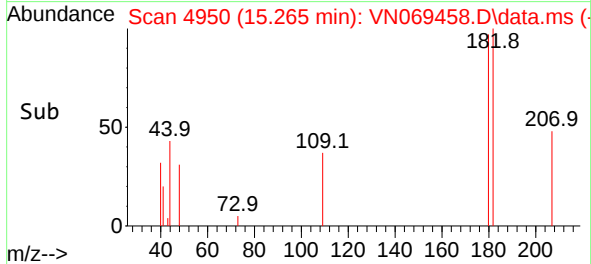


#93
1,2,4-Trichlorobenzene
Concen: 3.161 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05

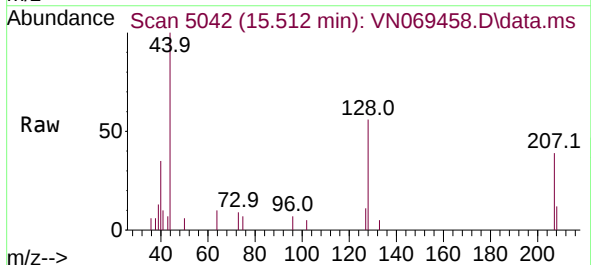
Instrument :
MSVOA_N
ClientSampleId :



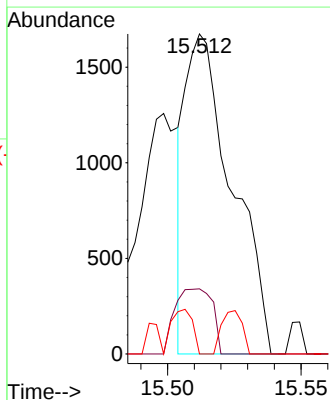
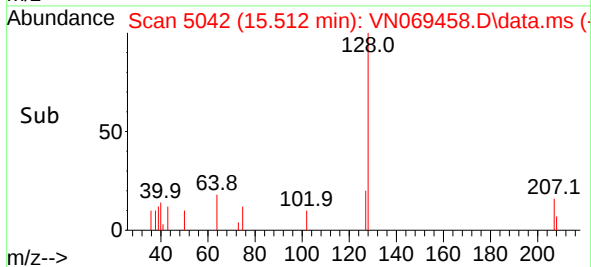
Tgt Ion:180 Resp: 581
Ion Ratio Lower Upper
180 100
182 115.7 48.3 144.9
145 4.5 14.5 43.5#

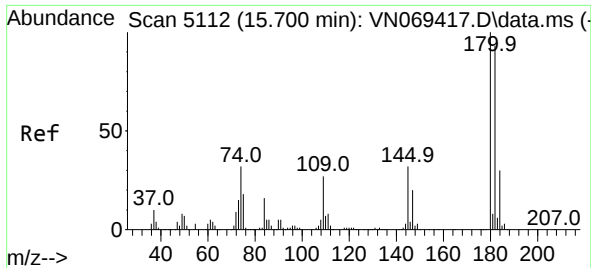


#95
Naphthalene
Concen: 4.509 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069458.D
Acq: 11 Nov 2021 17:05



Tgt Ion:128 Resp: 2040
Ion Ratio Lower Upper
128 100
127 16.3 10.5 15.7#
129 6.3 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 3.191 ug/l

RT: 15.700 min Scan# 51

Delta R.T. -0.000 min

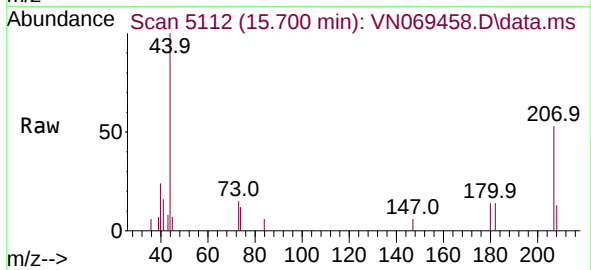
Lab File: VN069458.D

Acq: 11 Nov 2021 17:05

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 251

Ion Ratio Lower Upper

180 100

182 88.8 47.4 142.2

145 0.0 15.0 45.1#

