

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069867.D
 Acq On : 8 Dec 2021 17:45
 Operator : JC/MD
 Sample : M4957-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D1-20211206

Quant Time: Dec 09 11:43:21 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

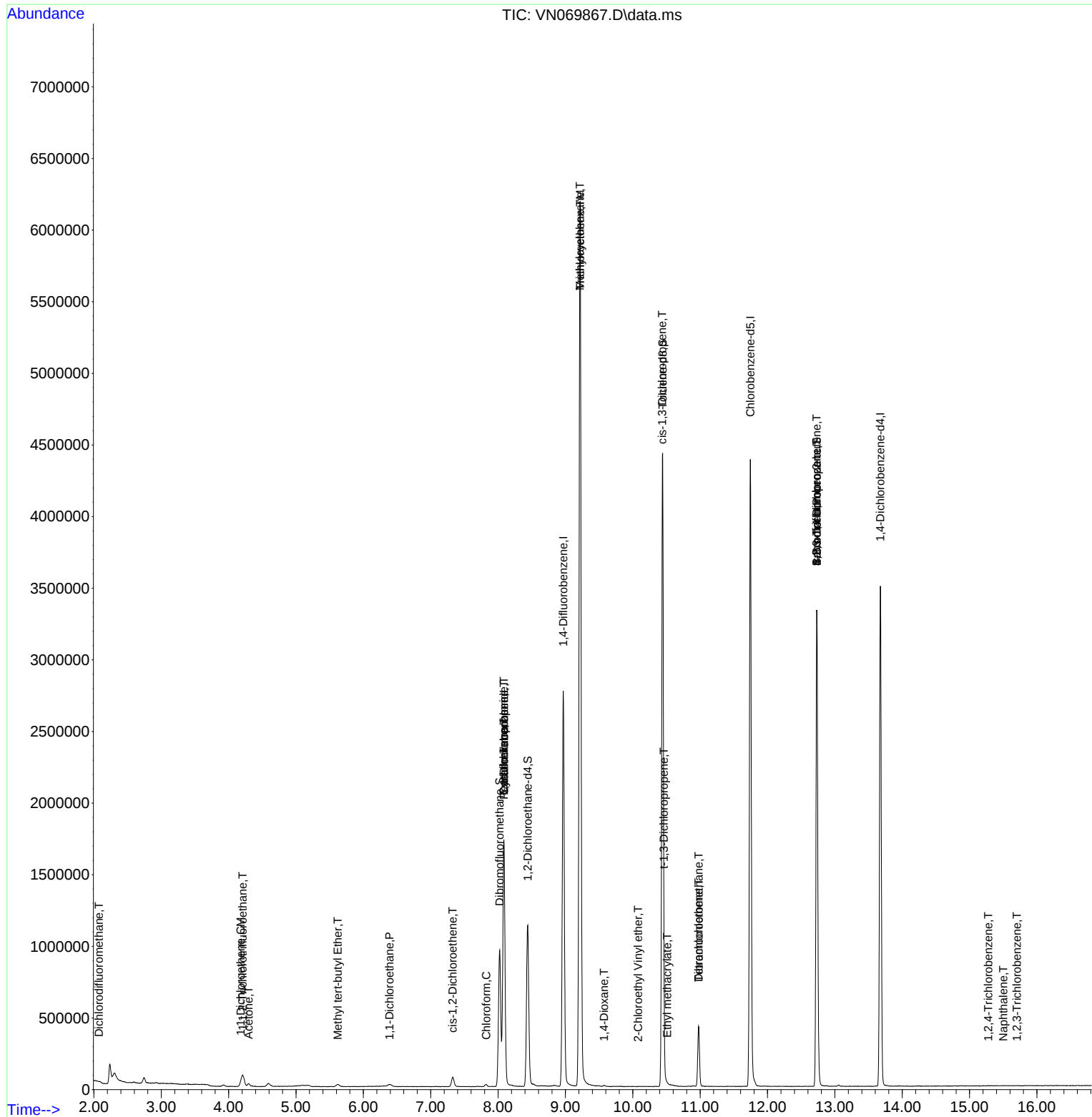
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1254077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2301910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2474324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	934014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	981941	50.712	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.420%	
35) Dibromofluoromethane	8.024	113	688744	47.768	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.540%	
50) Toluene-d8	10.443	98	2976386	51.409	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.820%	
62) 4-Bromofluorobenzene	12.731	95	1156116	55.120	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 110.240%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	2975	0.203	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.208	101	47260	3.812	ug/l	96
12) 1,1-Dichloroethene	4.181	96	11765	0.985	ug/l #	90
16) Acetone	4.296	43	23896	2.052	ug/l	99
19) Methyl tert-butyl Ether	5.618	73	10394	0.224	ug/l	92
24) 1,1-Dichloroethane	6.388	63	17463	0.641	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	37022	2.362	ug/l	96
30) Chloroform	7.825	83	15106	0.549	ug/l	88
31) Cyclohexane	8.086	56	32960	1.223	ug/l #	28
36) 1,1-Dichloropropene	8.086	75	106385	4.855	ug/l #	43
38) Carbon Tetrachloride	8.086	117	133150	6.196	ug/l #	17
39) Methylcyclohexane	9.215	83	28116	1.079	ug/l #	1
44) Trichloroethene	9.217	130	2191991	137.111	ug/l	91
49) 1,4-Dioxane	9.574	88	5796	14.341	ug/l #	74
53) t-1,3-Dichloropropene	10.462	75	71	2.797	ug/l #	1
54) cis-1,3-Dichloropropene	10.438	75	817	2.026	ug/l #	1
56) Ethyl methacrylate	10.510	69	80	2.282	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.078	63	161	18.407	ug/l #	45
60) Dibromochloromethane	10.977	129	89398	7.193	ug/l #	11
64) Tetrachloroethene	10.977	164	92203	5.496	ug/l	94
71) Bromoform	12.731	173	2571	2.892	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	653931	24.414	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	653931	77.474	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.276	180	175	2.889	ug/l #	51
95) Naphthalene	15.501	128	665	3.999	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.702	180	176	2.447	ug/l #	17

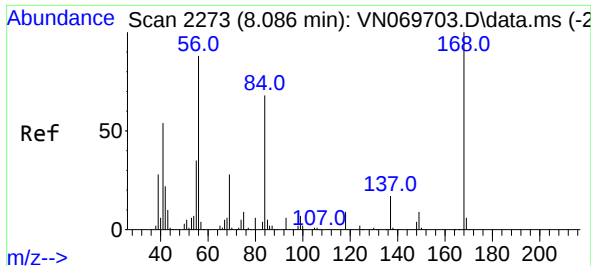
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
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Instrument :
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ClientSampleId :
RE125D1-20211206

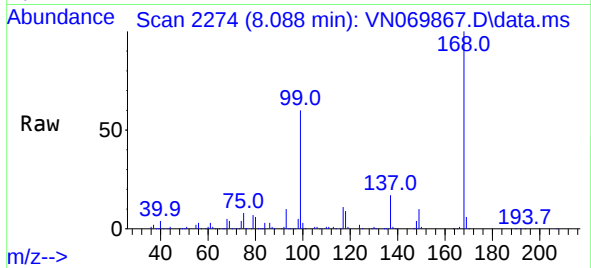
Quant Time: Dec 09 11:43:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration



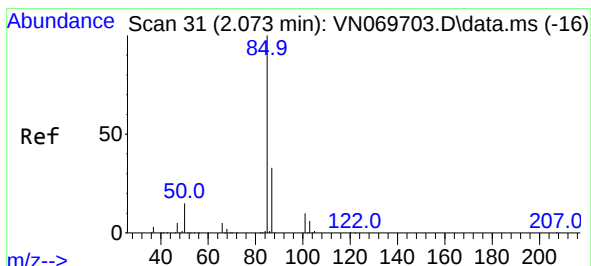
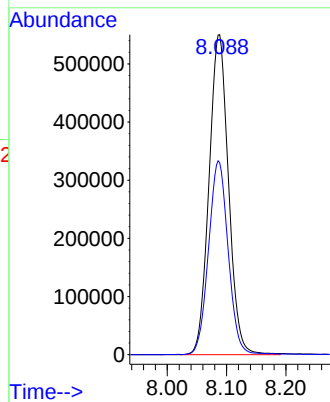
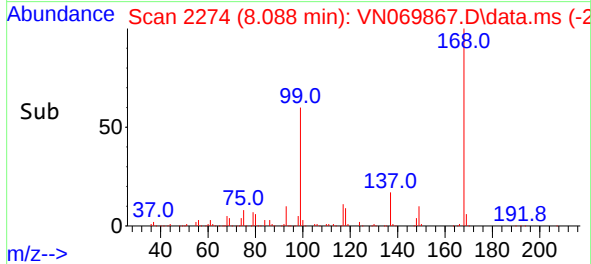


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

Instrument :
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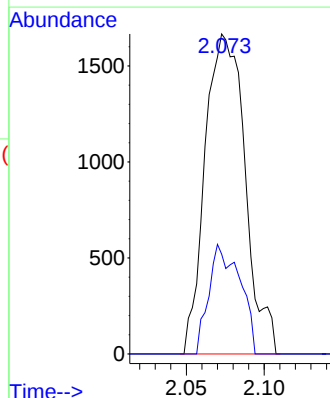
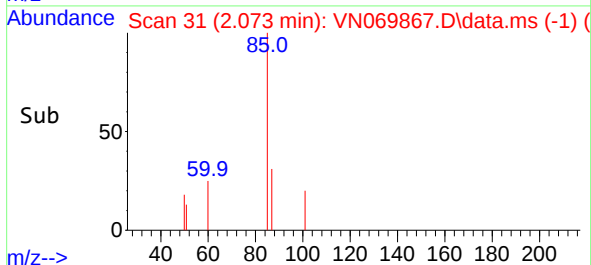
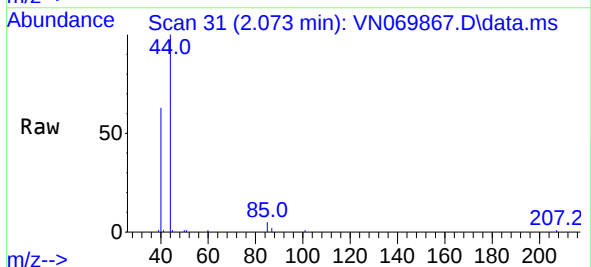


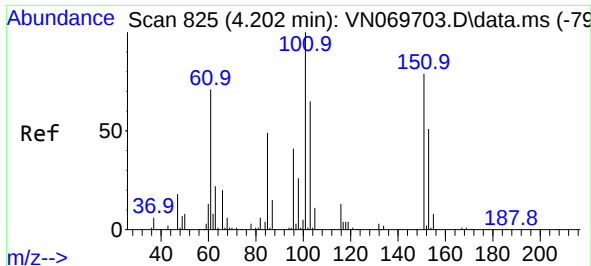
Tgt Ion:168 Resp: 1254077
Ion Ratio Lower Upper
168 100
99 59.9 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 0.203 ug/l
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

Tgt Ion: 85 Resp: 2975
Ion Ratio Lower Upper
85 100
87 31.2 16.3 48.9

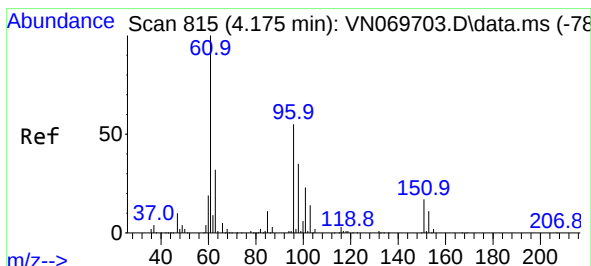
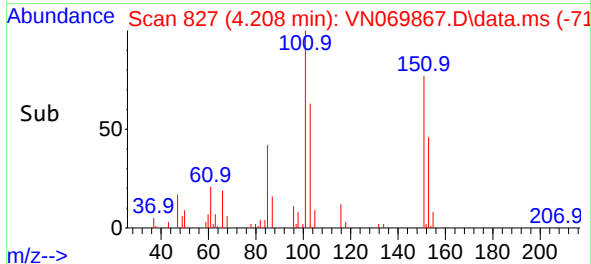
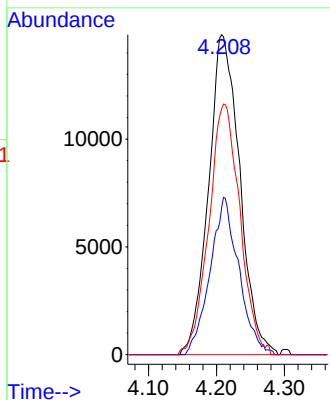
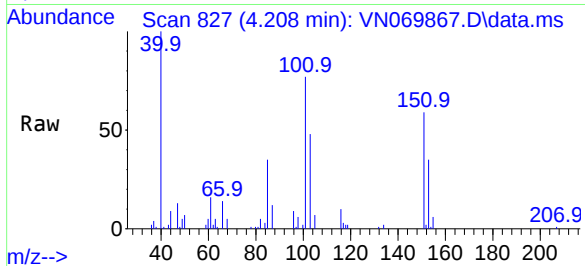




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.812 ug/l
RT: 4.208 min Scan# 81
Delta R.T. 0.006 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

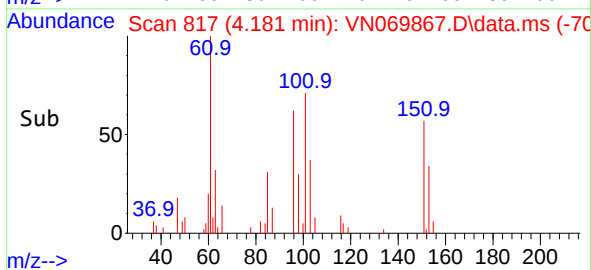
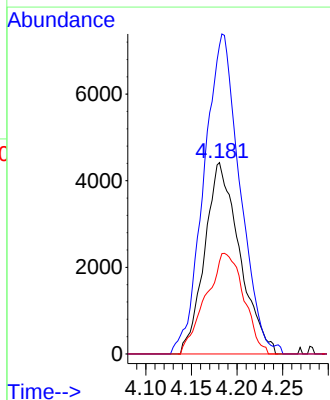
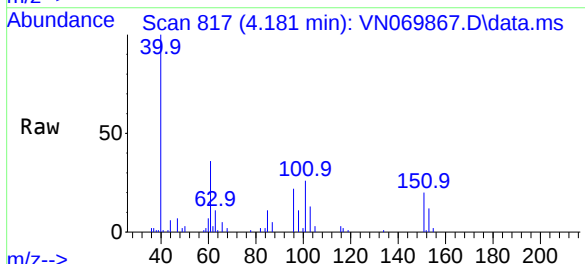
Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20211206

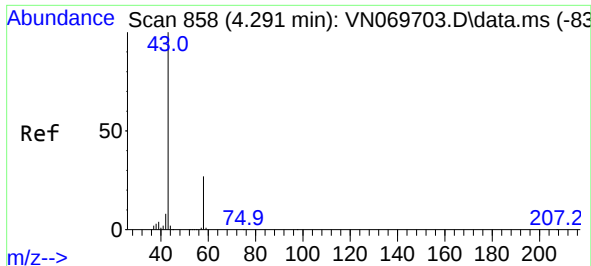
Tgt Ion:101 Resp: 47260
Ion Ratio Lower Upper
101 100
85 45.5 37.2 55.8
151 78.0 65.9 98.9



#12
1,1-Dichloroethene
Concen: 0.985 ug/l
RT: 4.181 min Scan# 817
Delta R.T. 0.005 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

Tgt Ion: 96 Resp: 11765
Ion Ratio Lower Upper
96 100
61 156.5 131.0 196.6
98 48.3 52.4 78.6#

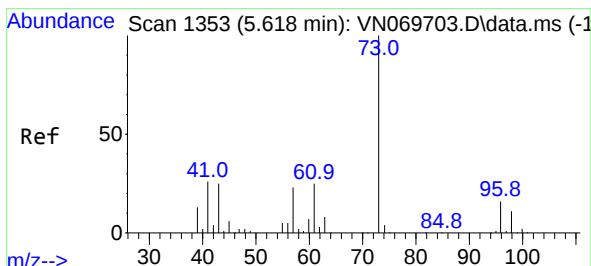
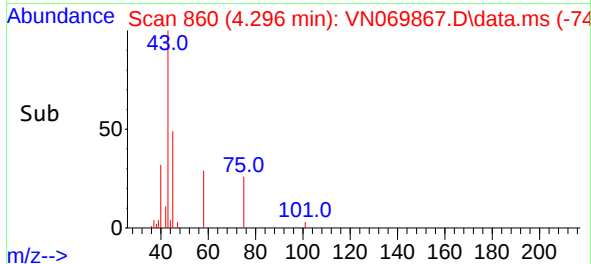
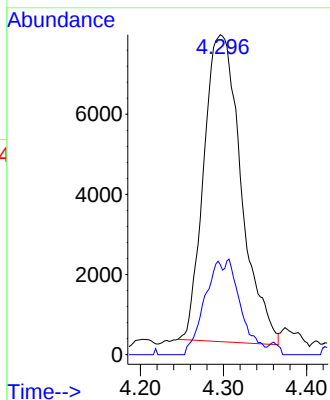
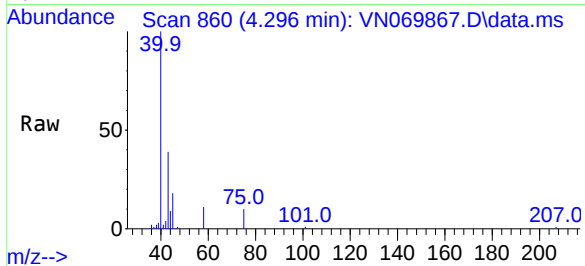




#16
Acetone
Concen: 2.052 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.005 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

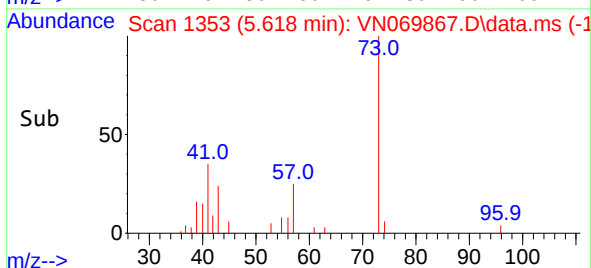
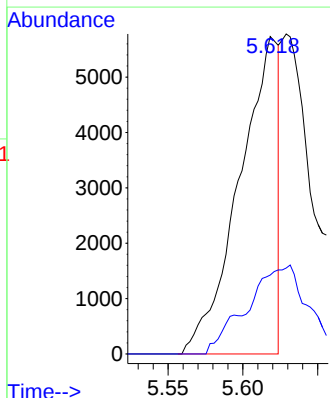
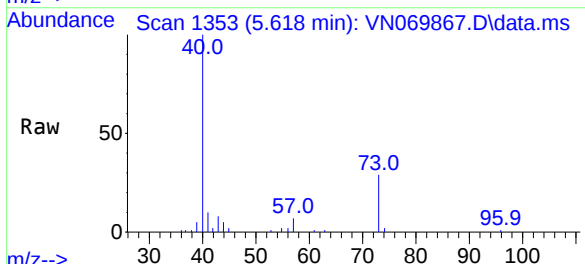
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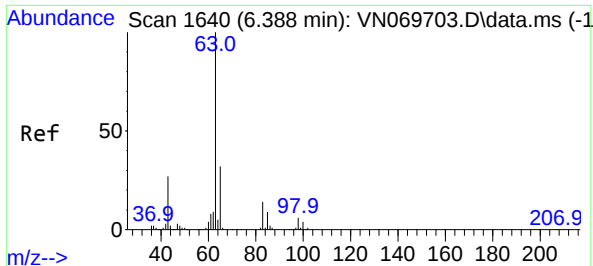
Tgt Ion: 43 Resp: 23896
Ion Ratio Lower Upper
43 100
58 29.6 23.1 34.7



#19
Methyl tert-butyl Ether
Concen: 0.224 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

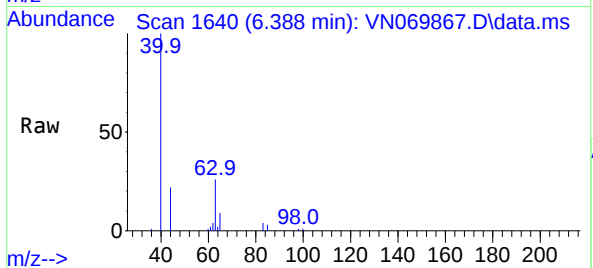
Tgt Ion: 73 Resp: 10394
Ion Ratio Lower Upper
73 100
57 24.8 16.8 25.2



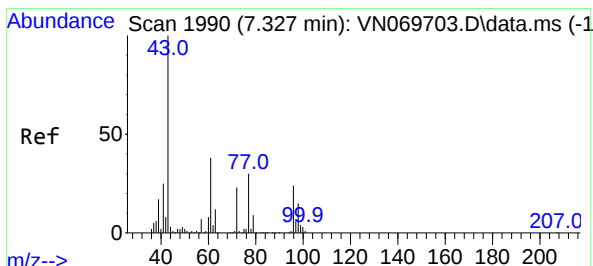
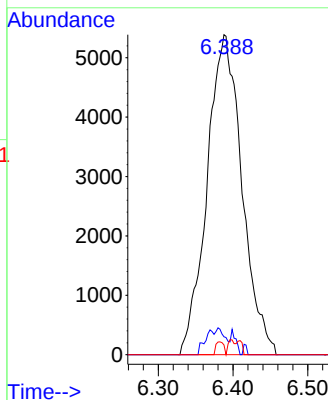
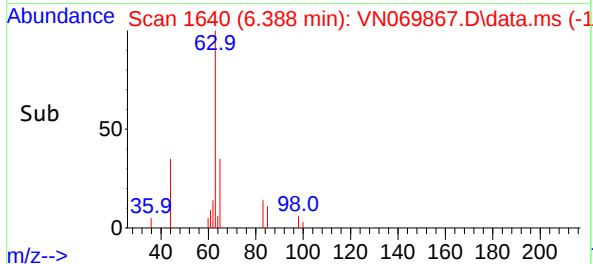


#24
1,1-Dichloroethane
Concen: 0.641 ug/l
RT: 6.388 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

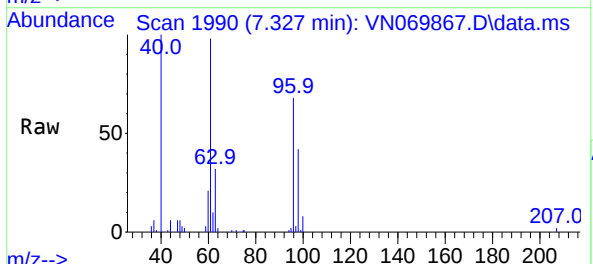
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MSVOA_N
ClientSampleId :
RE125D1-20211206



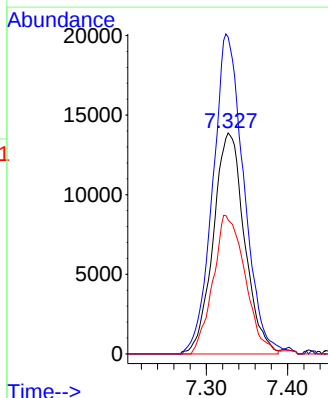
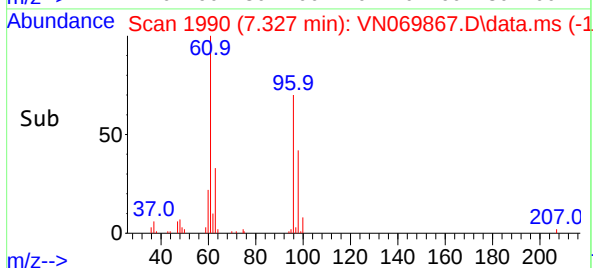
Tgt Ion: 63 Resp: 17463
Ion Ratio Lower Upper
63 100
98 5.6 3.3 9.9
100 3.0 2.1 6.5

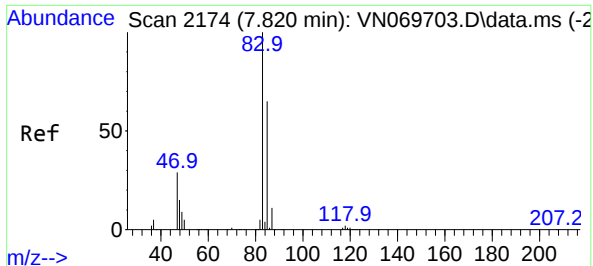


#27
cis-1,2-Dichloroethene
Concen: 2.362 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. 0.000 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45



Tgt Ion: 96 Resp: 37022
Ion Ratio Lower Upper
96 100
61 144.0 0.0 275.0
98 64.6 0.0 129.6

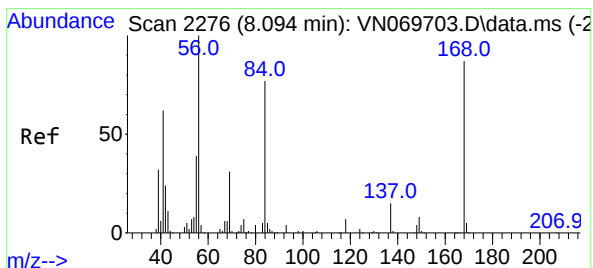
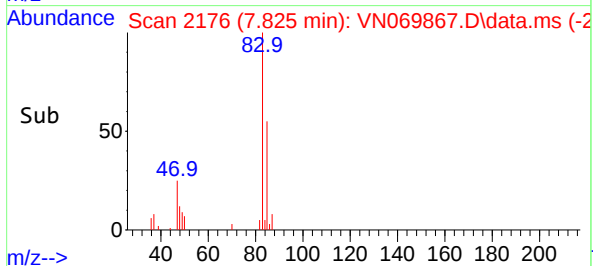
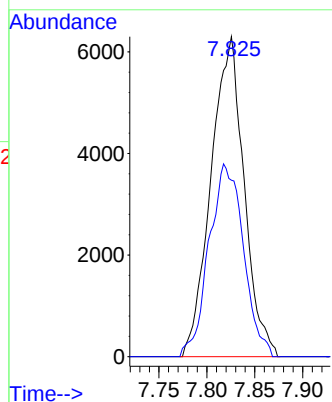
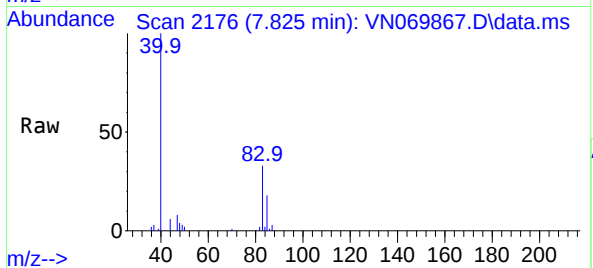




#30
Chloroform
Concen: 0.549 ug/l
RT: 7.825 min Scan# 2174
Delta R.T. 0.005 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

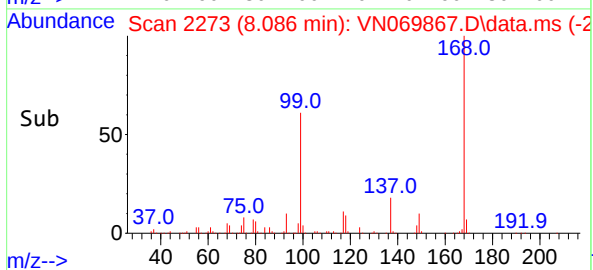
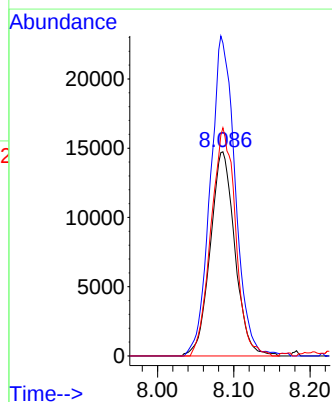
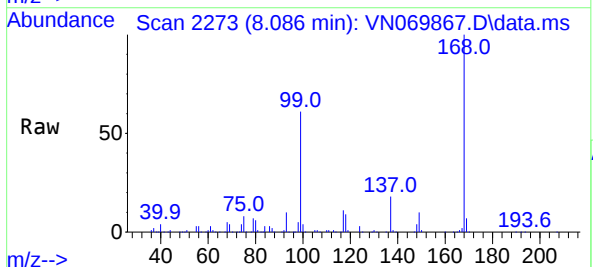
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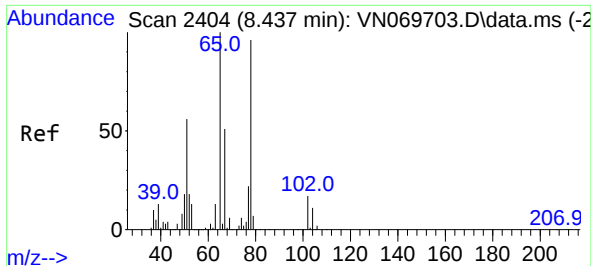
Tgt Ion: 83 Resp: 15106
Ion Ratio Lower Upper
83 100
85 55.1 51.9 77.9



#31
Cyclohexane
Concen: 1.223 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

Tgt Ion: 56 Resp: 32960
Ion Ratio Lower Upper
56 100
69 153.3 27.1 40.7#
84 111.8 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 50.712 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN069867.D

Acq: 8 Dec 2021 17:45

Instrument :

MSVOA_N

ClientSampleId :

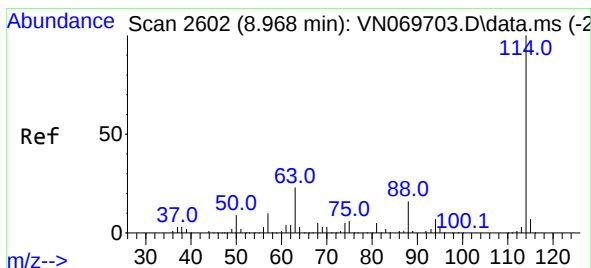
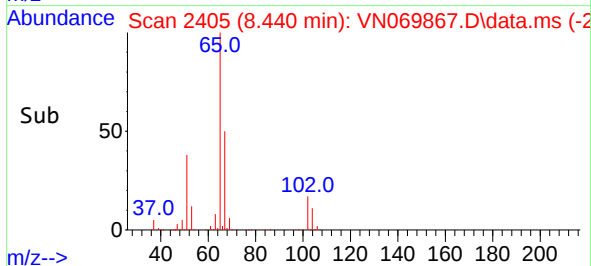
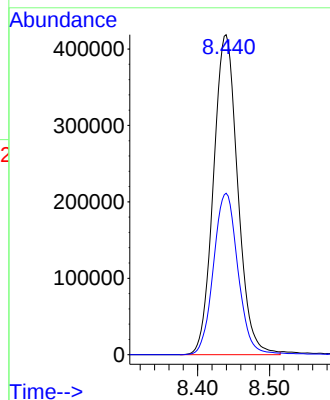
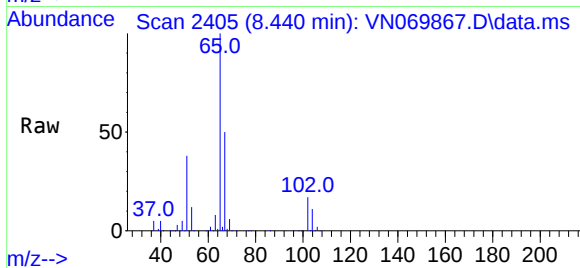
RE125D1-20211206

Tgt Ion: 65 Resp: 981941

Ion Ratio Lower Upper

65 100

67 50.9 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: VN069867.D

Acq: 8 Dec 2021 17:45

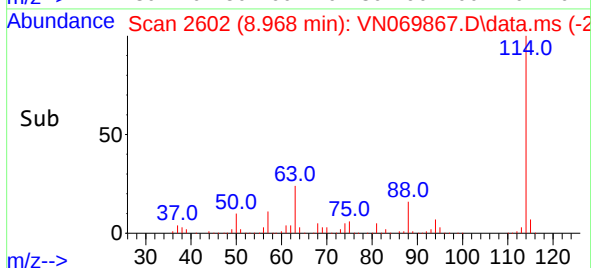
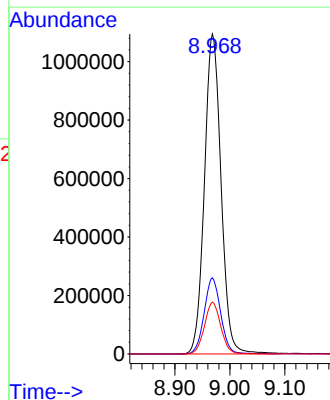
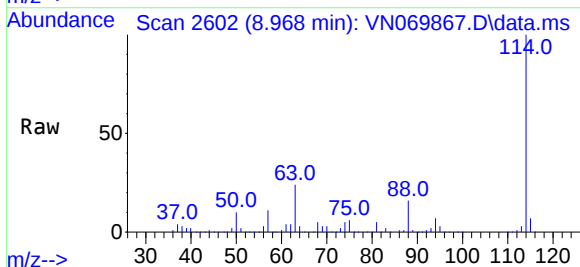
Tgt Ion: 114 Resp: 2301910

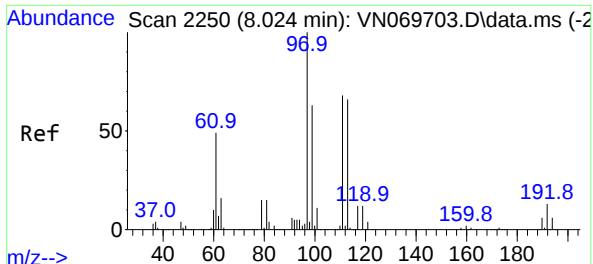
Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

88 16.2 0.0 27.4

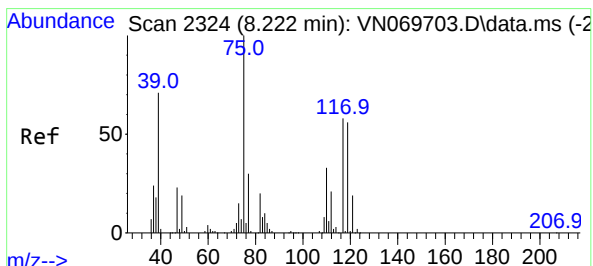
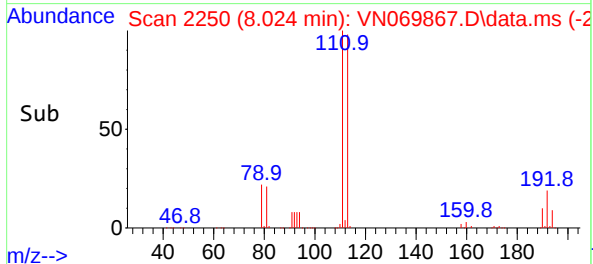
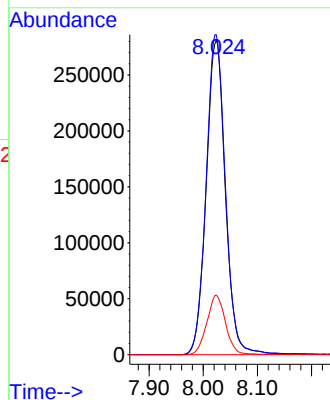
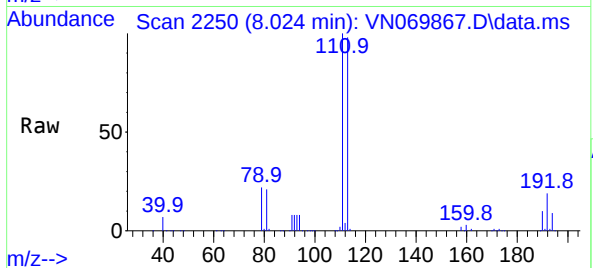




#35
Dibromofluoromethane
Concen: 47.768 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

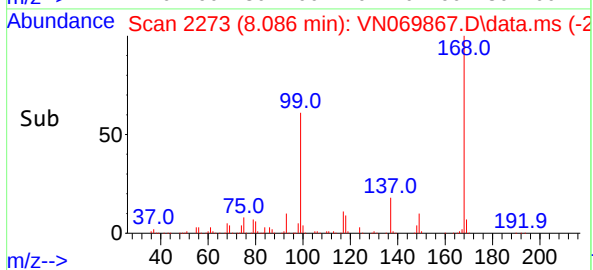
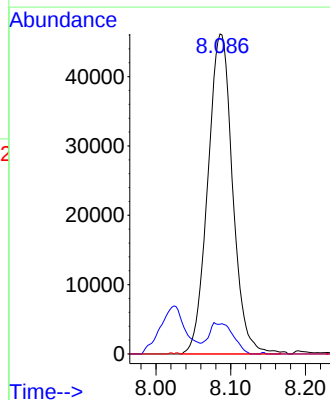
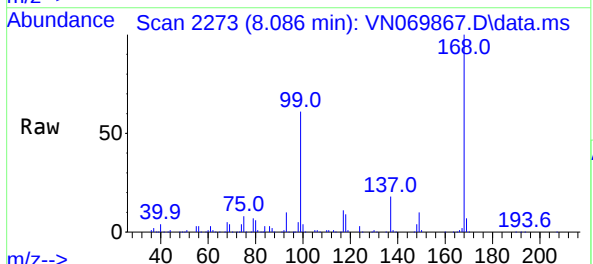
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ClientSampleId :
RE125D1-20211206

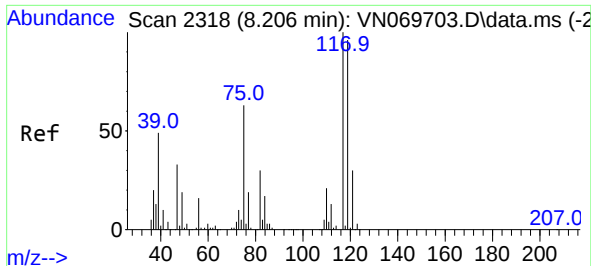
Tgt Ion:113 Resp: 688744
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 18.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.855 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

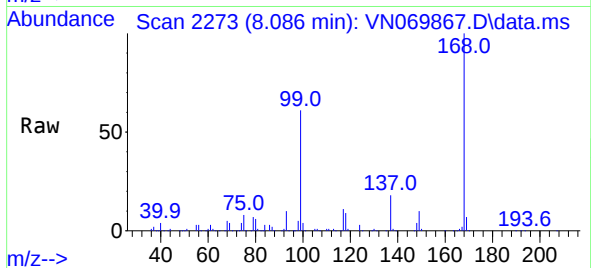
Tgt Ion: 75 Resp: 106385
Ion Ratio Lower Upper
75 100
110 2.1 18.4 55.2#
77 0.0 24.4 36.6#



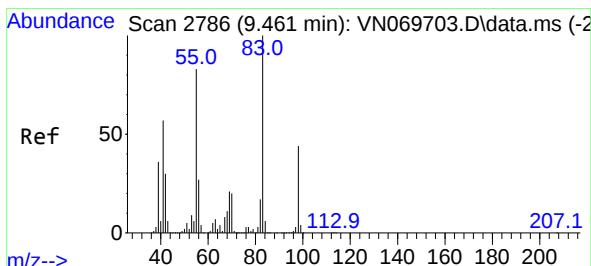
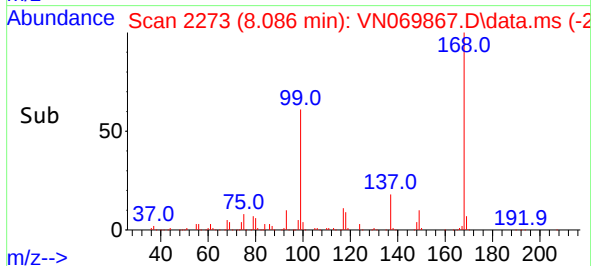
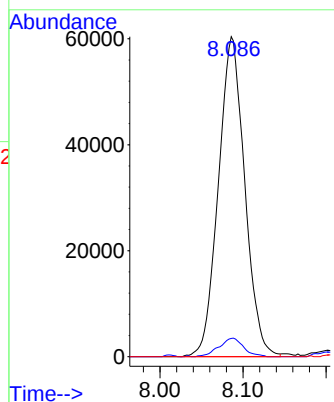


#38
Carbon Tetrachloride
Concen: 6.196 ug/l
RT: 8.086 min Scan# 2117
Delta R.T. -0.121 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20211206

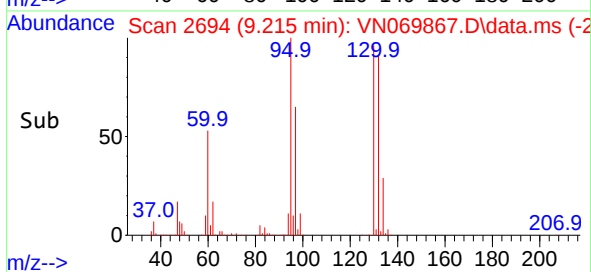
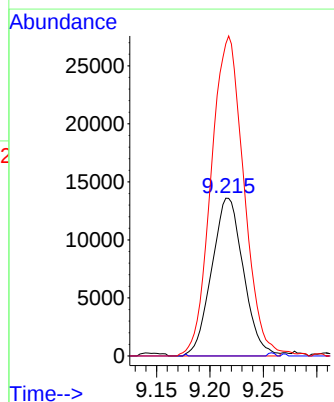
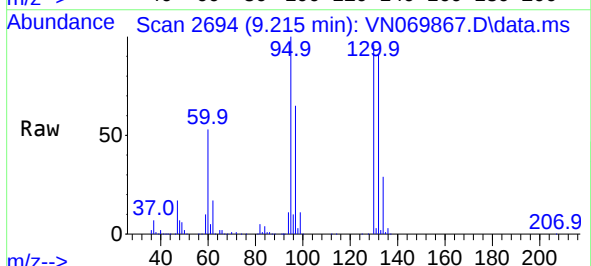


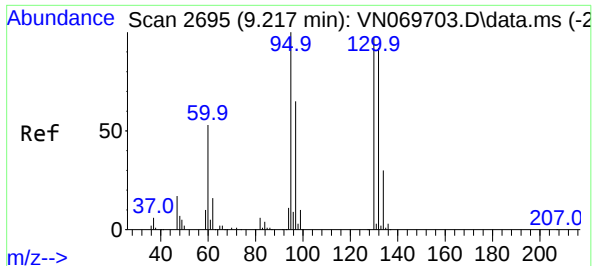
Tgt Ion:117 Resp: 133150
Ion Ratio Lower Upper
117 100
119 5.7 76.1 114.1#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 1.079 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.247 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

Tgt Ion: 83 Resp: 28116
Ion Ratio Lower Upper
83 100
55 0.0 58.1 87.1#
98 196.5 38.4 57.6#

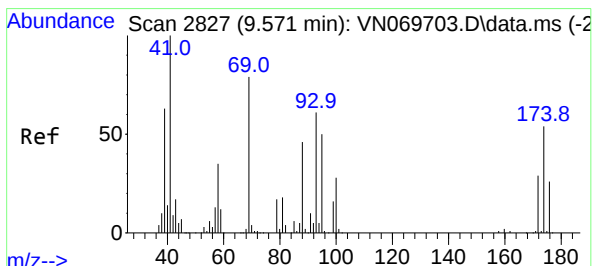
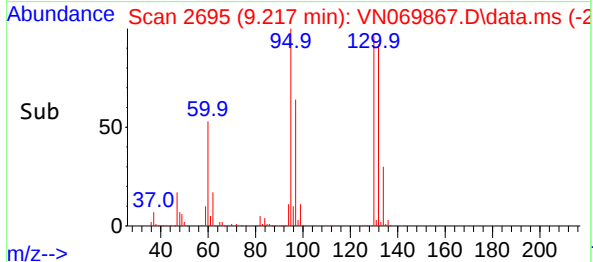
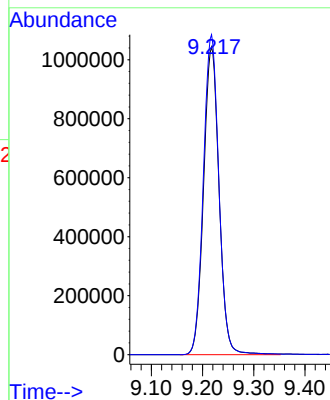
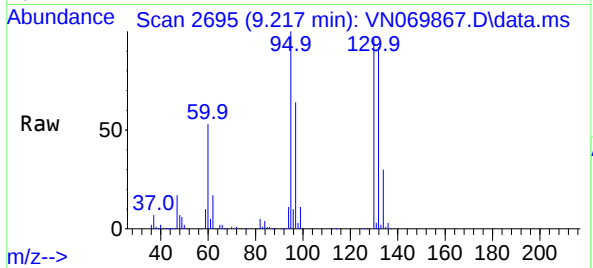




#44
Trichloroethene
Concen: 137.111 ug/l
RT: 9.217 min Scan# 2191
Delta R.T. 0.000 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

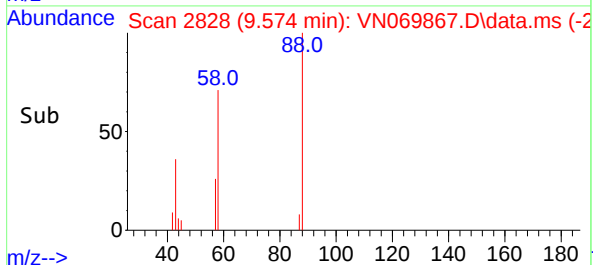
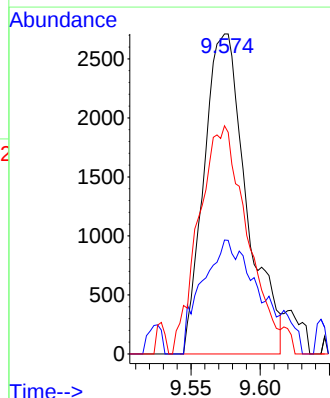
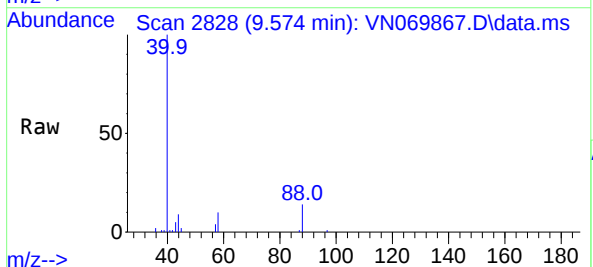
Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20211206

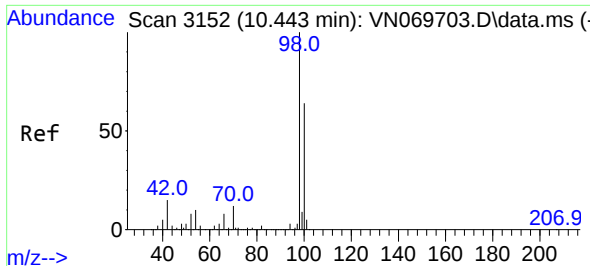
Tgt Ion:130 Resp: 2191991
Ion Ratio Lower Upper
130 100
95 104.0 0.0 191.2



#49
1,4-Dioxane
Concen: 14.341 ug/l
RT: 9.574 min Scan# 2828
Delta R.T. 0.003 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

Tgt Ion: 88 Resp: 5796
Ion Ratio Lower Upper
88 100
43 45.5 23.4 35.2#
58 82.3 50.6 75.8#

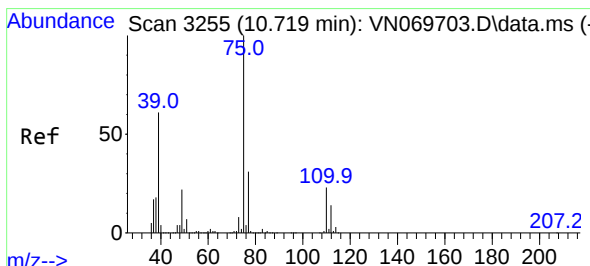
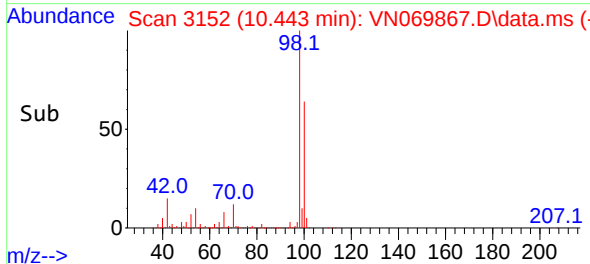
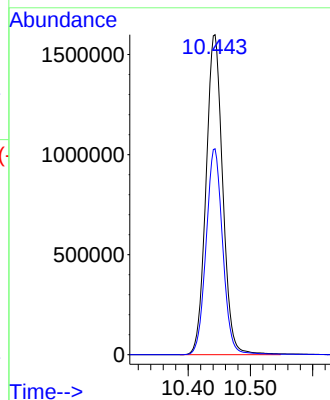
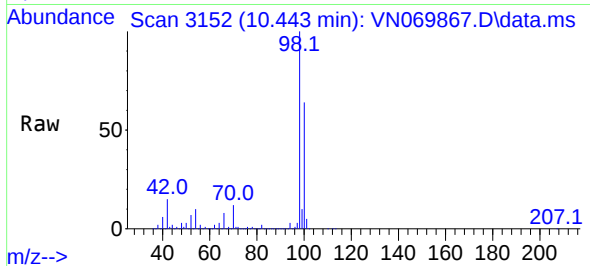




#50
Toluene-d8
Concen: 51.409 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

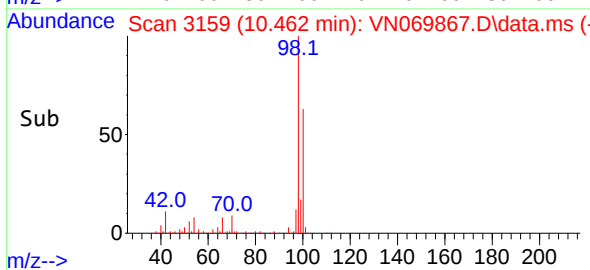
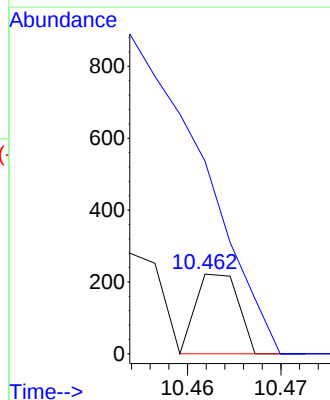
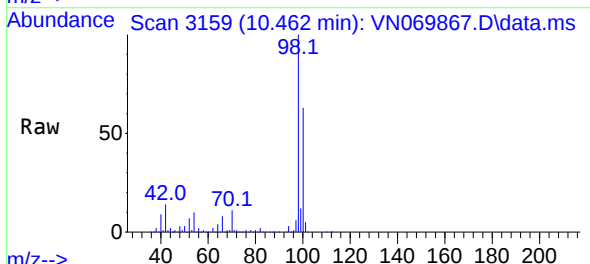
Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20211206

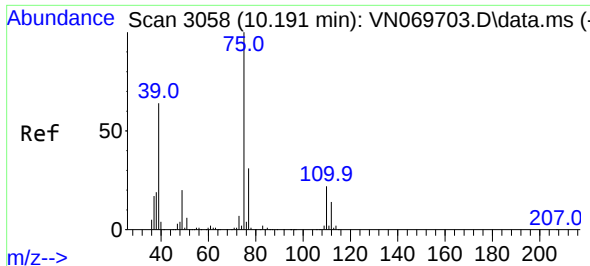
Tgt Ion: 98 Resp: 2976386
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.797 ug/l
RT: 10.462 min Scan# 3159
Delta R.T. -0.257 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

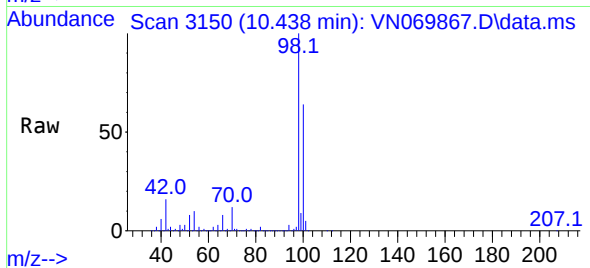
Tgt Ion: 75 Resp: 71
Ion Ratio Lower Upper
75 100
77 241.4 25.6 38.4#





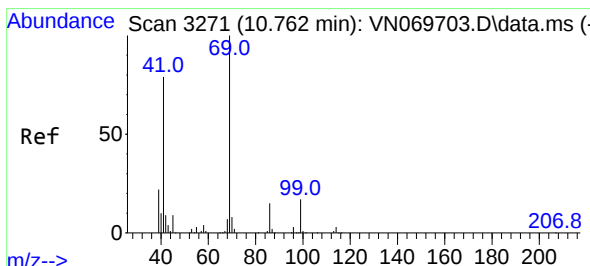
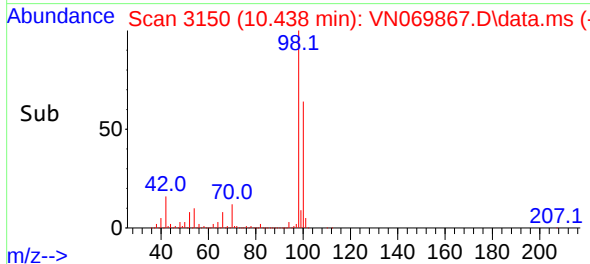
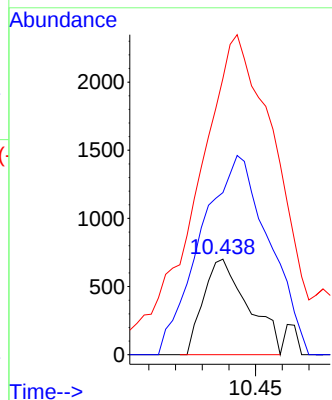
#54
cis-1,3-Dichloropropene
Concen: 2.026 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. 0.247 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20211206



Tgt Ion: 75 Resp: 817

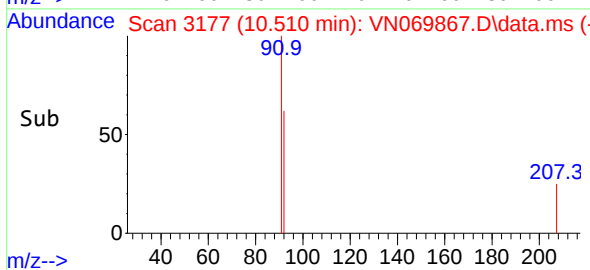
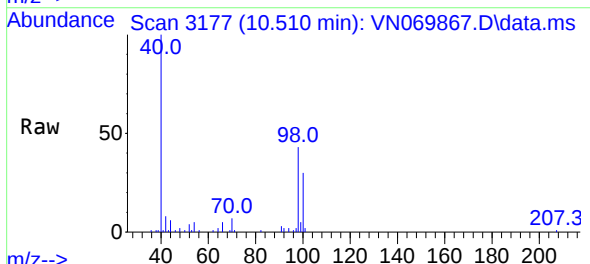
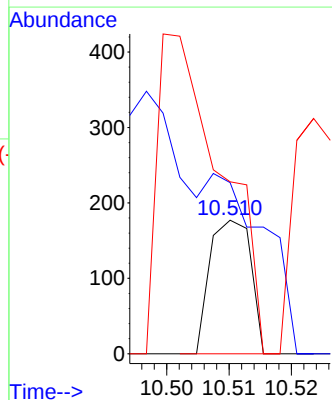
Ion	Ratio	Lower	Upper
75	100		
77	115.7	26.4	39.6#
39	195.1	42.5	63.7#

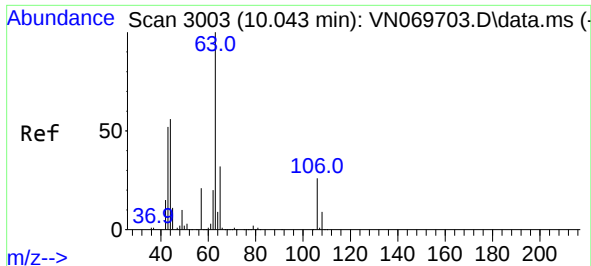


#56
Ethyl methacrylate
Concen: 2.282 ug/l
RT: 10.510 min Scan# 3177
Delta R.T. -0.252 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

Tgt Ion: 69 Resp: 80

Ion	Ratio	Lower	Upper
69	100		
41	0.0	51.4	77.0#
39	377.5	34.6	52.0#

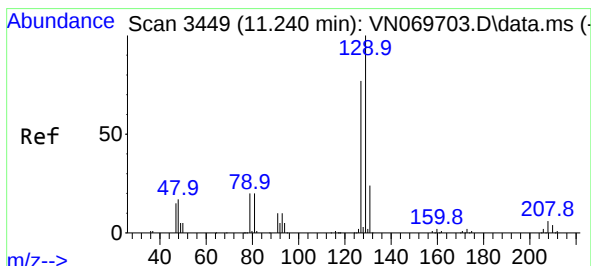
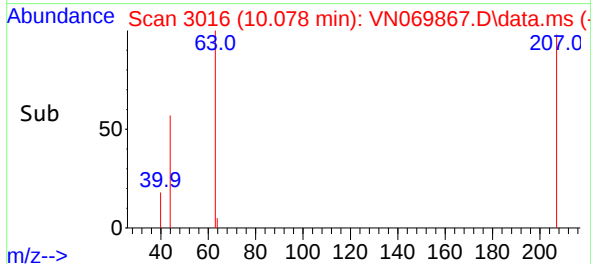
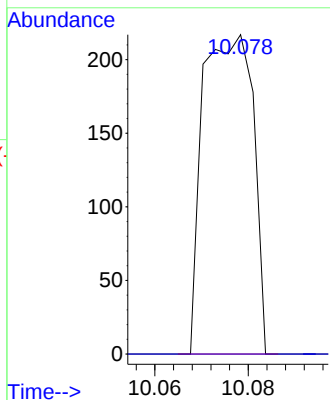
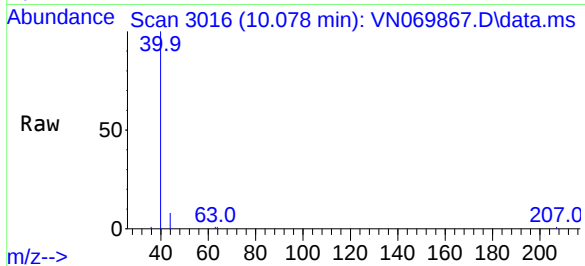




#58
2-Chloroethyl Vinyl ether
Concen: 18.407 ug/l
RT: 10.078 min Scan# 3003
Delta R.T. 0.035 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

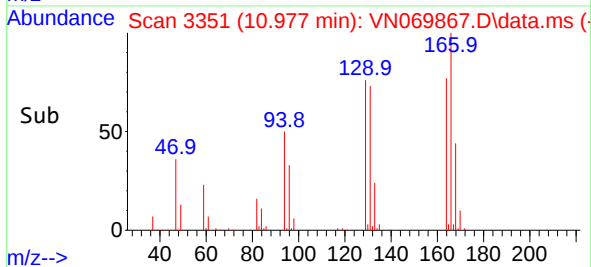
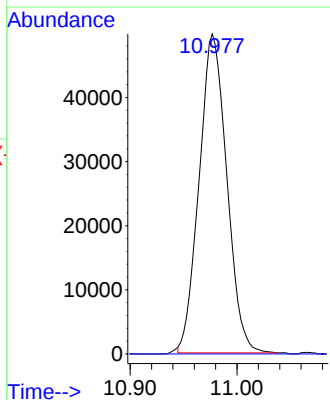
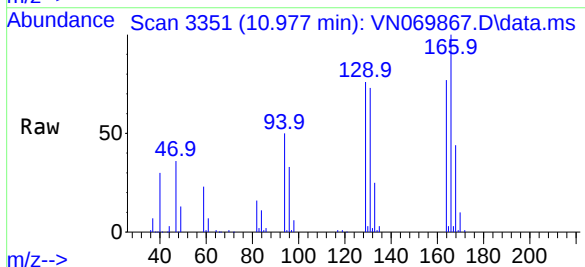
Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20211206

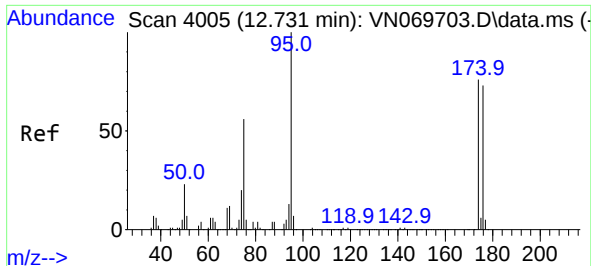
Tgt Ion: 63 Resp: 161
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 7.193 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

Tgt Ion:129 Resp: 89398
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

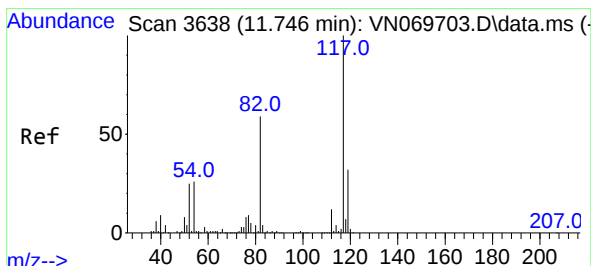
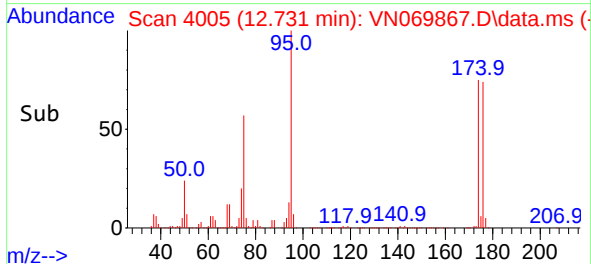
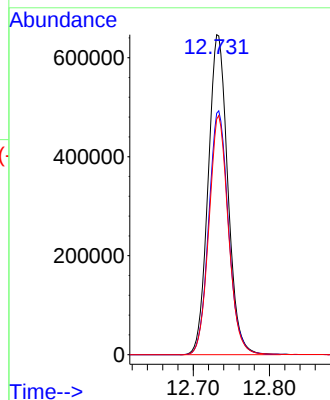
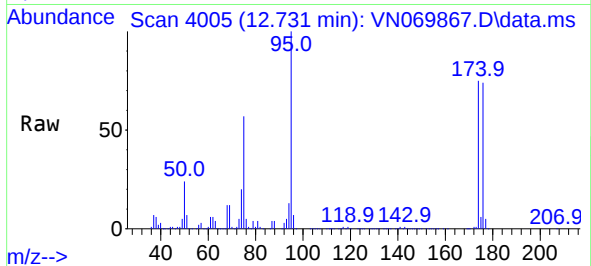




#62
4-Bromofluorobenzene
Concen: 55.120 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

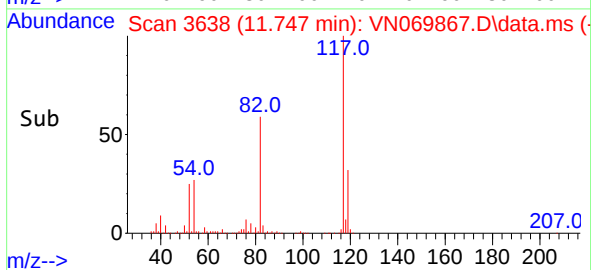
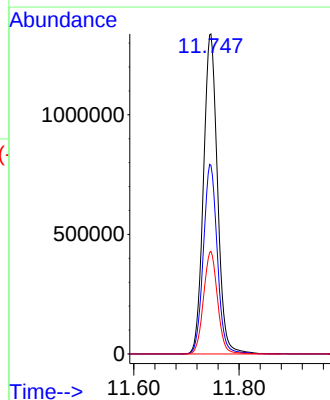
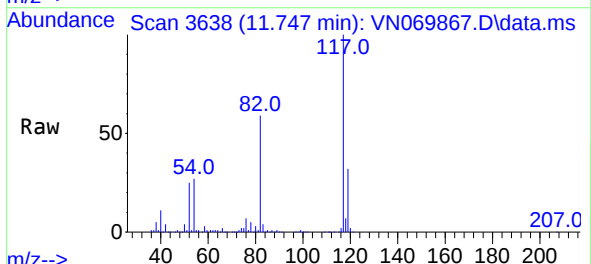
Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20211206

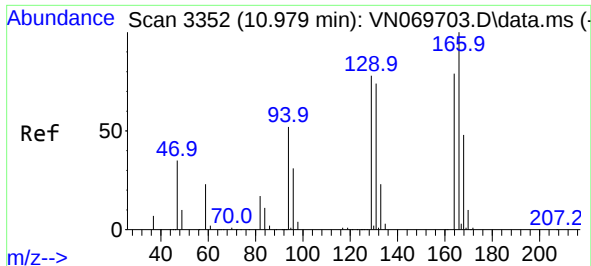
Tgt Ion: 95 Resp: 1156116
Ion Ratio Lower Upper
95 100
174 76.7 0.0 187.2
176 74.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

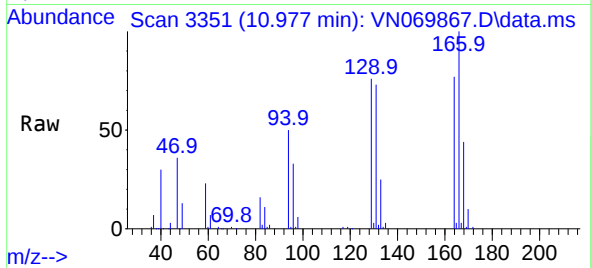
Tgt Ion: 117 Resp: 2474324
Ion Ratio Lower Upper
117 100
82 58.9 42.4 63.6
119 32.1 25.4 38.2



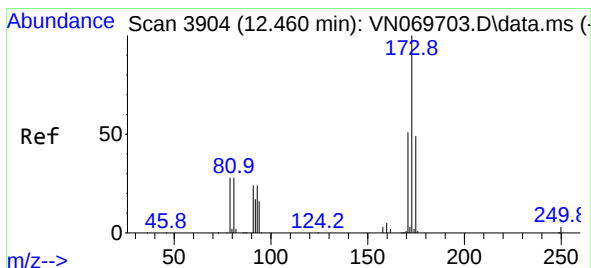
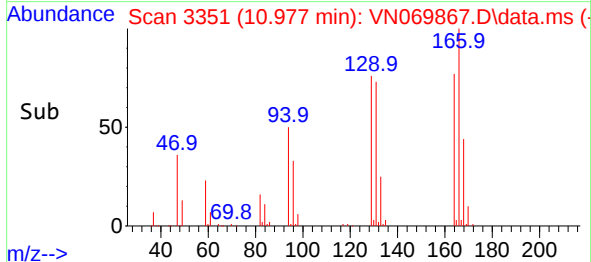
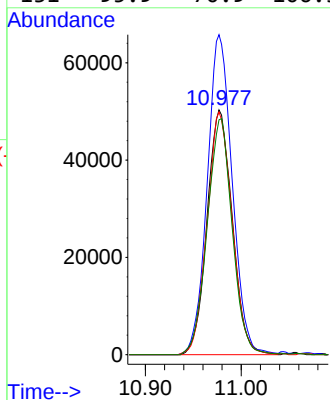


#64
Tetrachloroethene
Concen: 5.496 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.002 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20211206

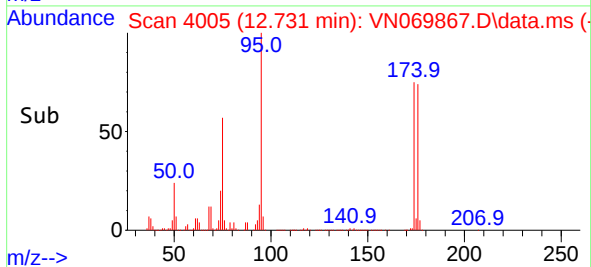
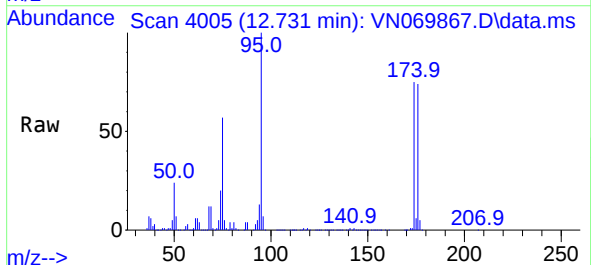
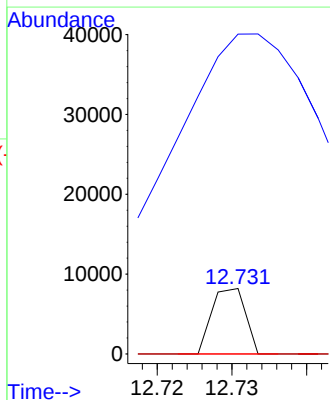


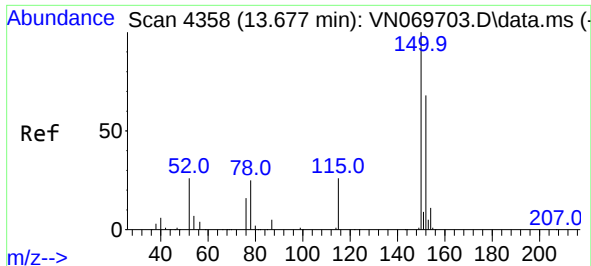
Tgt Ion:164 Resp: 92203
Ion Ratio Lower Upper
164 100
166 130.7 101.9 152.9
129 99.1 72.0 108.0
131 95.9 70.9 106.3



#71
Bromoform
Concen: 2.892 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

Tgt Ion:173 Resp: 2571
Ion Ratio Lower Upper
173 100
175 2542.4 24.2 72.6#
254 0.0 0.0 0.0

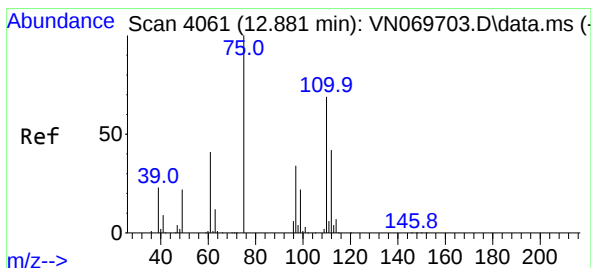
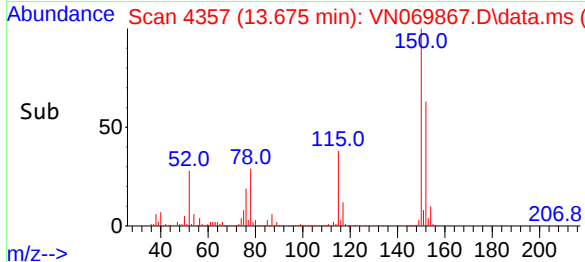
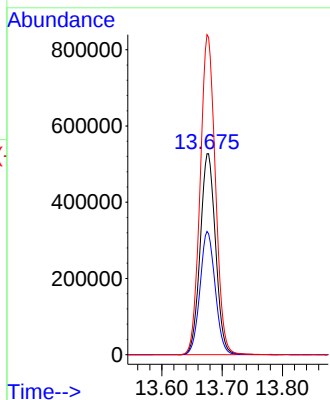
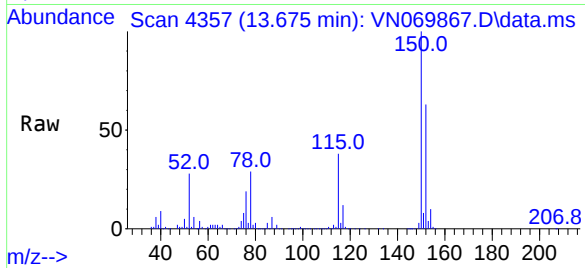




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

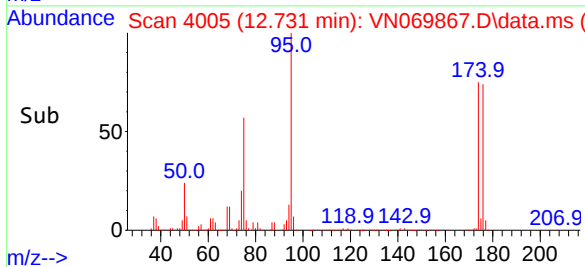
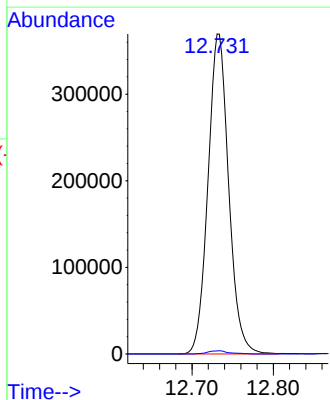
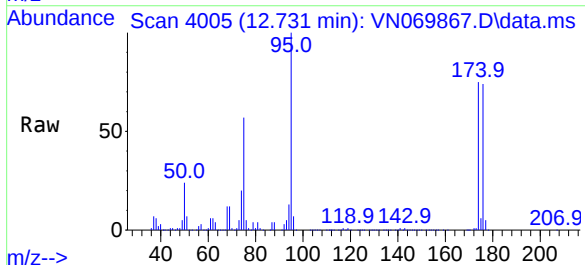
Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20211206

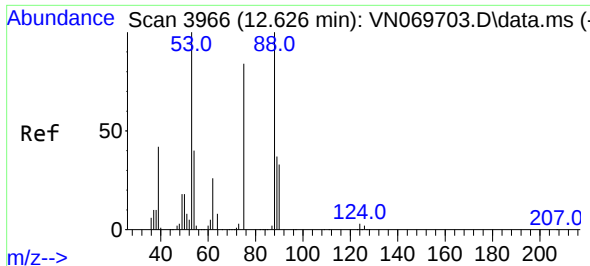
Tgt Ion:152 Resp: 934014
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.5
150 157.6 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 24.414 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

Tgt Ion: 75 Resp: 653931
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#

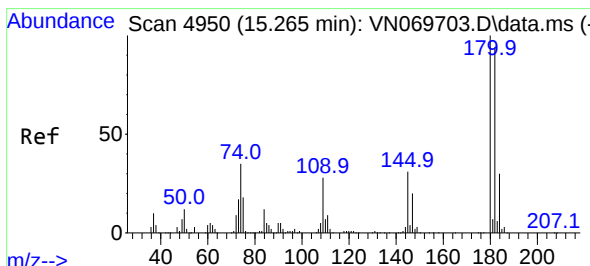
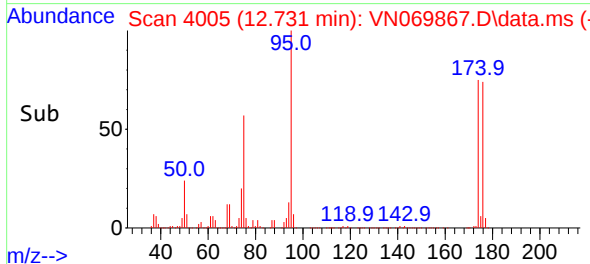
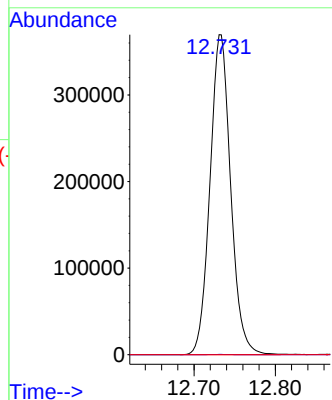
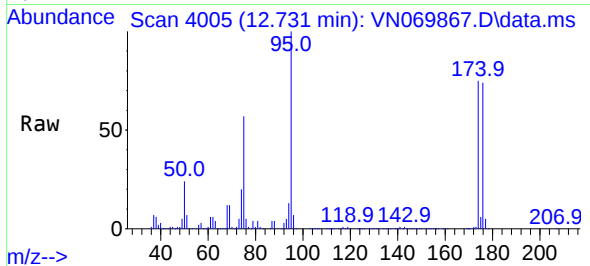




#81
trans-1,4-Dichloro-2-butene
Concen: 77.474 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

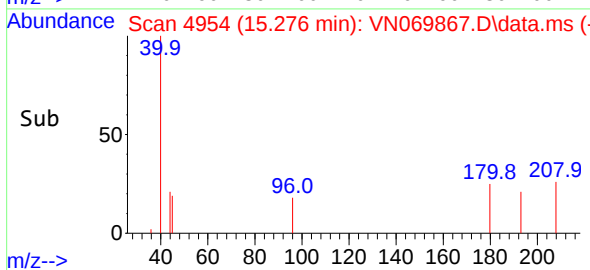
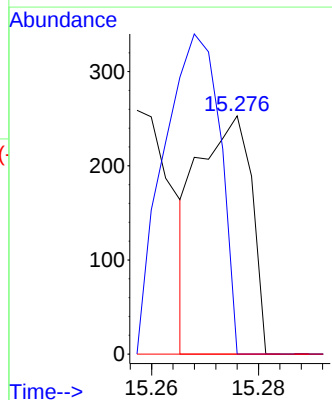
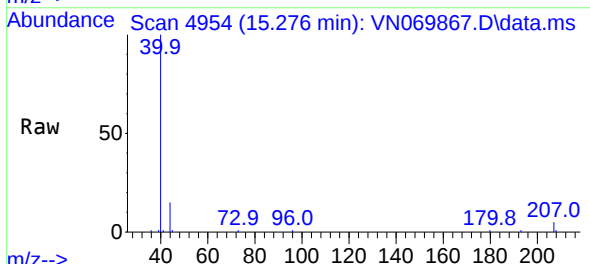
Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20211206

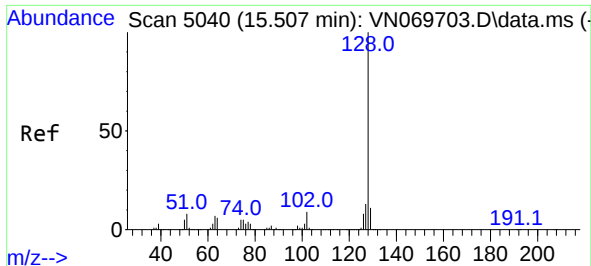
Tgt Ion: 75 Resp: 653931
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.889 ug/l
RT: 15.276 min Scan# 4954
Delta R.T. 0.011 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

Tgt Ion:180 Resp: 175
Ion Ratio Lower Upper
180 100
182 142.9 48.3 144.9
145 0.0 14.5 43.5#

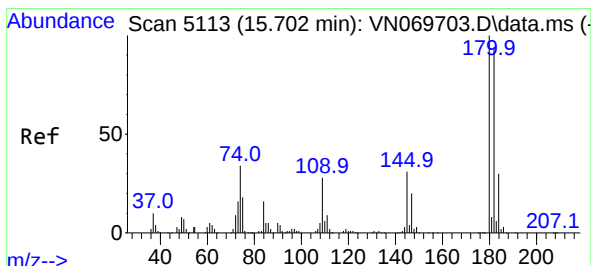
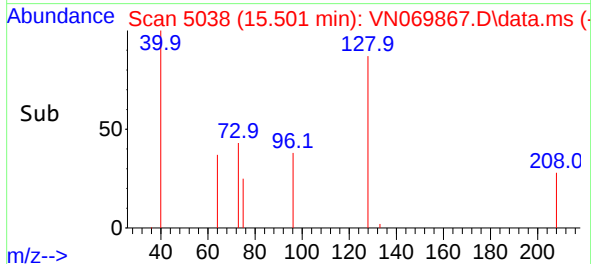
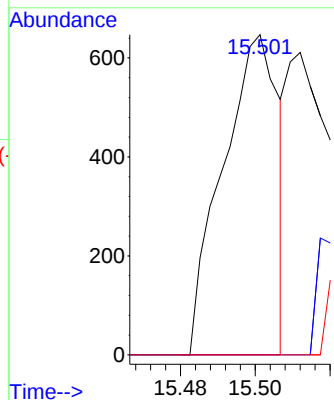
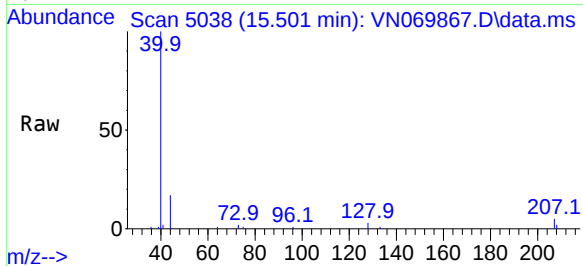




#95
Naphthalene
Concen: 3.999 ug/l
RT: 15.501 min Scan# 5040
Delta R.T. -0.006 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20211206

Tgt Ion:128 Resp: 665
Ion Ratio Lower Upper
128 100
127 11.1 10.5 15.7
129 3.8 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.447 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069867.D
Acq: 8 Dec 2021 17:45

Tgt Ion:180 Resp: 176
Ion Ratio Lower Upper
180 100
182 183.5 47.4 142.2#
145 0.0 15.0 45.1#

