

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069842.D
 Acq On : 8 Dec 2021 4:07
 Operator : JC/MD
 Sample : M4957-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D3-20211206

Quant Time: Dec 08 06:38:51 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)

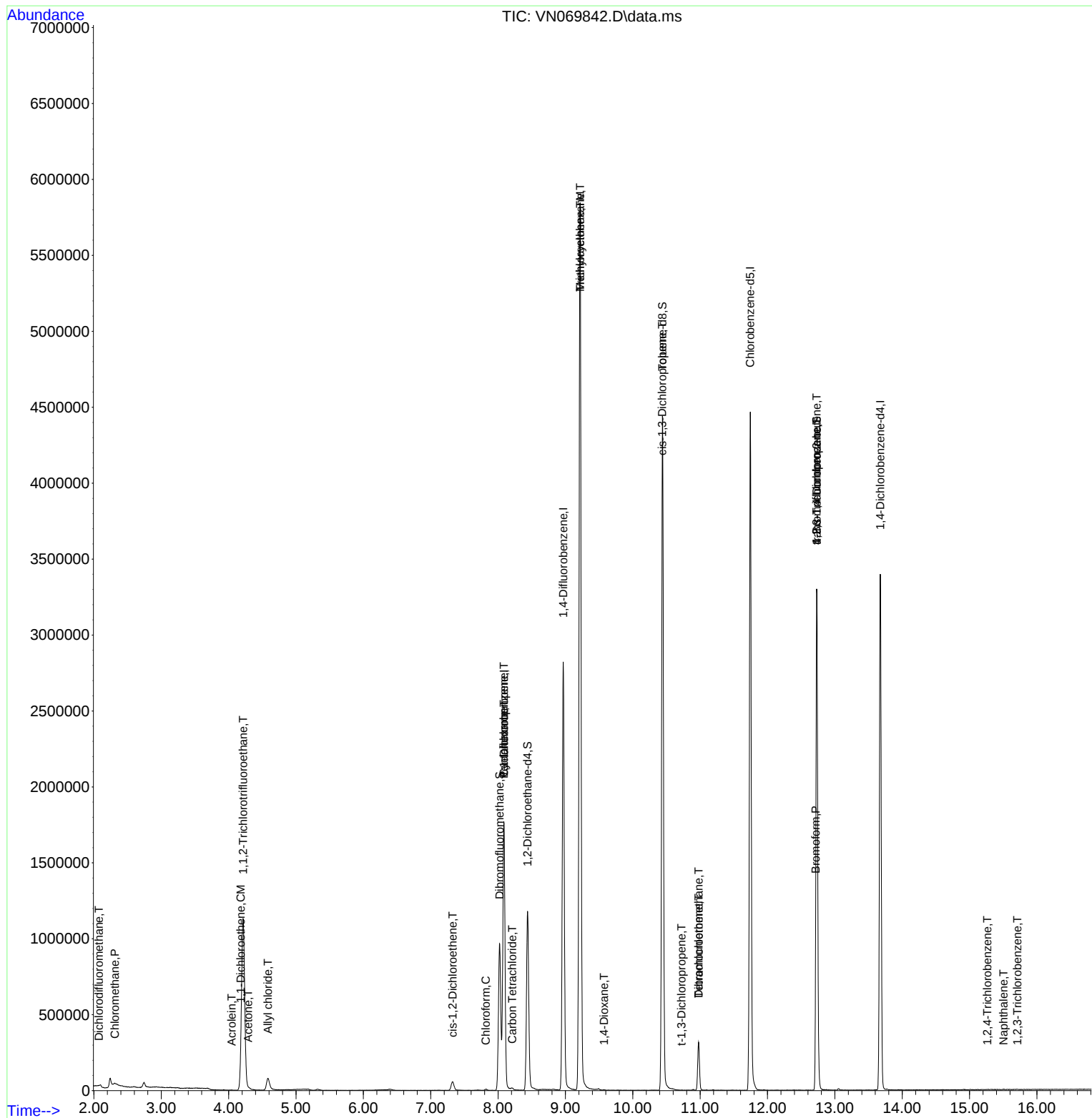
Internal Standards						
1) Pentafluorobenzene	8.088	168	1305519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2350472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2513335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	923641	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1021720	50.69	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.38%			
35) Dibromofluoromethane	8.024	113	696875	47.33	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.66%			
50) Toluene-d8	10.440	98	3050746	51.61	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.22%			
62) 4-Bromofluorobenzene	12.731	95	1158435	54.09	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.18%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	4004	0.26	ug/l	99
3) Chloromethane	2.309	50	4253	0.22	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.213	101	761710	59.03	ug/l	96
12) 1,1-Dichloroethene	4.178	96	3821	0.31	ug/l	87
13) Acrolein	4.044	56	1110	0.34	ug/l #	46
14) Allyl chloride	4.583	41	13248	0.47	ug/l #	82
16) Acetone	4.291	43	9163	0.76	ug/l	94
27) cis-1,2-Dichloroethene	7.327	96	20585	1.26	ug/l	92
30) Chloroform	7.817	83	6919	0.24	ug/l	88
31) Cyclohexane	8.086	56	33457	1.19	ug/l #	30
36) 1,1-Dichloropropene	8.086	75	110669	4.95	ug/l #	49
38) Carbon Tetrachloride	8.209	117	6835	0.31	ug/l	95
39) Methylcyclohexane	9.217	83	28110	1.06	ug/l #	1
44) Trichloroethene	9.217	130	2075541	127.14	ug/l	92
49) 1,4-Dioxane	9.571	88	2236	5.42	ug/l #	39
53) t-1,3-Dichloropropene	10.722	75	28	2.80	ug/l #	55
54) cis-1,3-Dichloropropene	10.435	75	434	2.01	ug/l #	1
60) Dibromochloromethane	10.977	129	68416	5.99	ug/l #	11
64) Tetrachloroethene	10.977	164	71738	4.21	ug/l	93
71) Bromoform	12.715	173	1103	2.80	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	650056	24.54	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	650056	77.86	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	202	2.89	ug/l #	12
95) Naphthalene	15.504	128	1514	4.02	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.708	180	384	2.46	ug/l	79

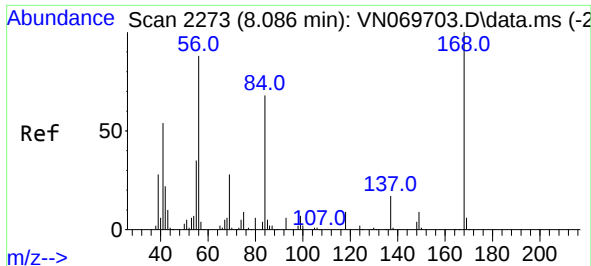
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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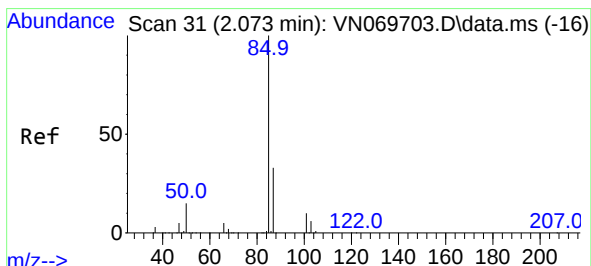
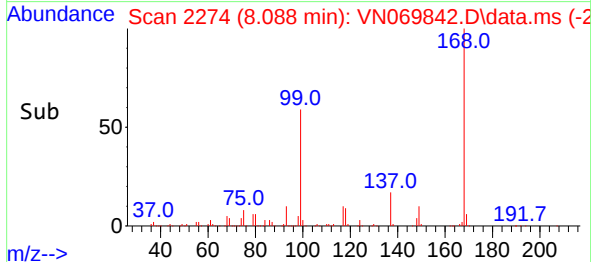
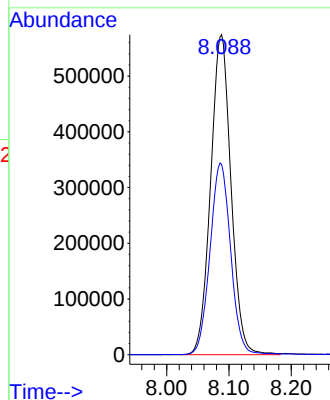
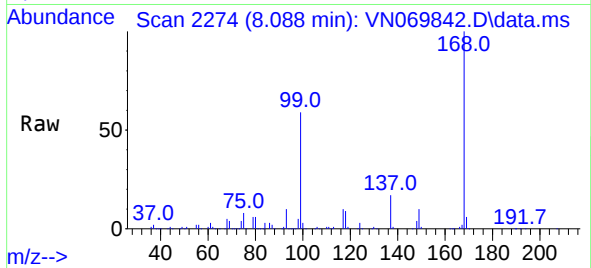




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

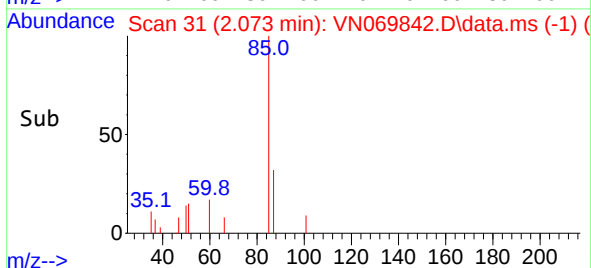
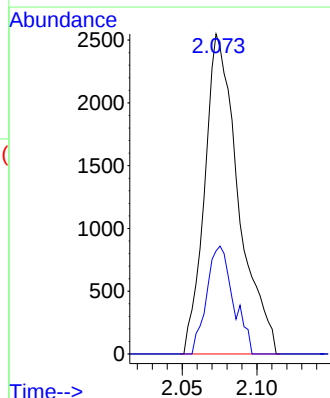
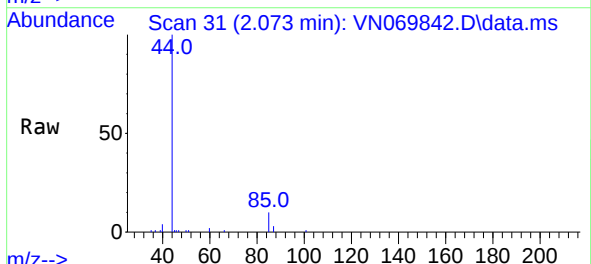
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20211206

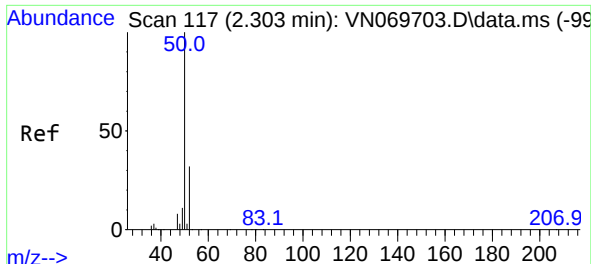
Tgt Ion:168 Resp: 1305519
Ion Ratio Lower Upper
168 100
99 59.4 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 0.26 ug/l
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

Tgt Ion: 85 Resp: 4004
Ion Ratio Lower Upper
85 100
87 32.2 16.3 48.9

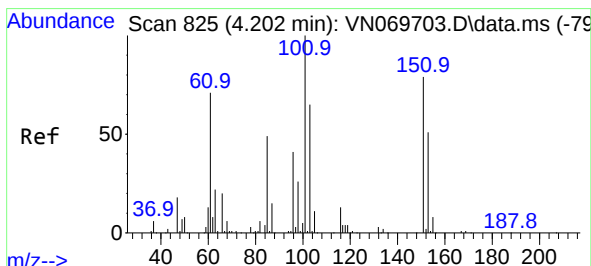
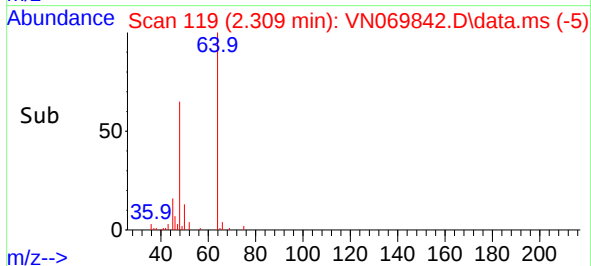
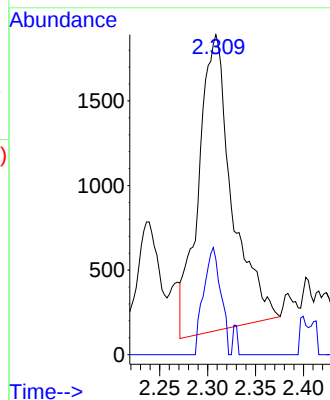
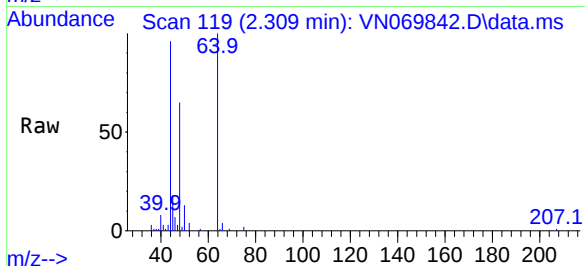




#3
Chloromethane
Concen: 0.22 ug/l
RT: 2.309 min Scan# 117
Delta R.T. 0.005 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

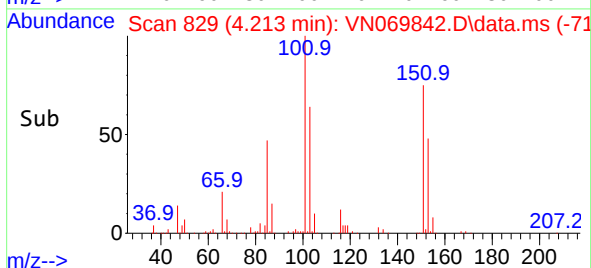
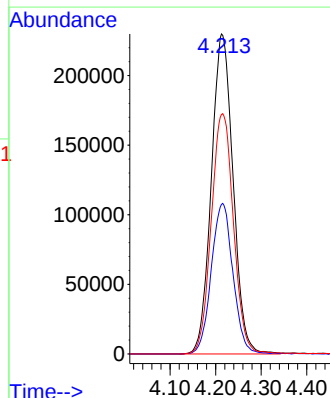
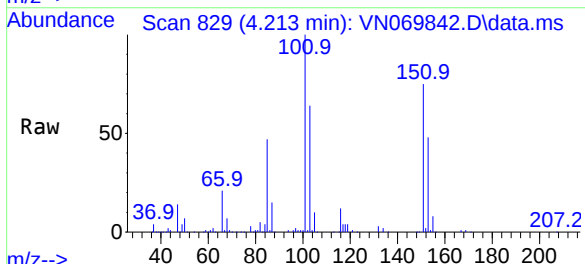
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20211206

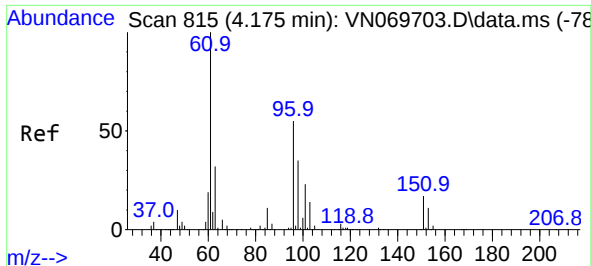
Tgt Ion: 50 Resp: 4253
Ion Ratio Lower Upper
50 100
52 33.8 25.4 38.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 59.03 ug/l
RT: 4.213 min Scan# 829
Delta R.T. 0.011 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

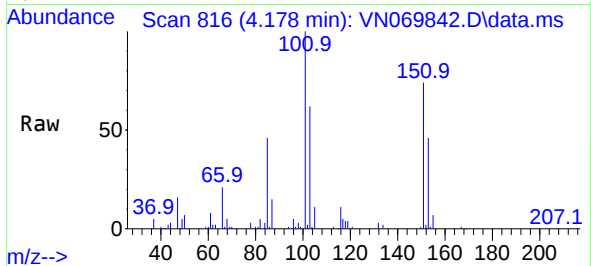
Tgt Ion: 101 Resp: 761710
Ion Ratio Lower Upper
101 100
85 46.9 37.2 55.8
151 76.7 65.9 98.9



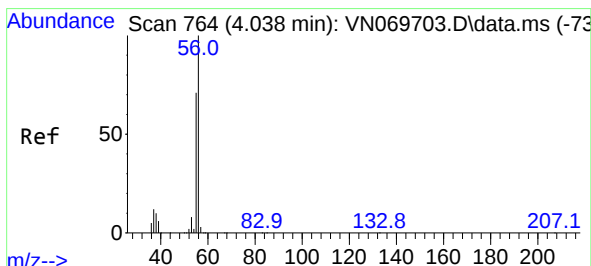
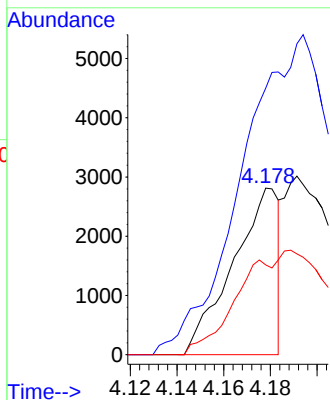
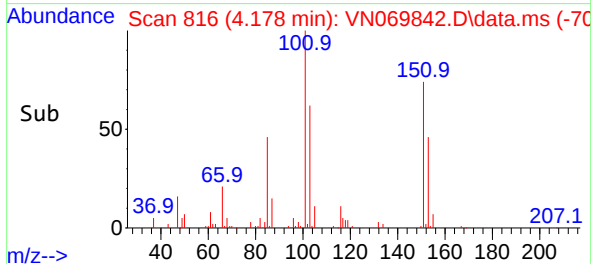


#12
1,1-Dichloroethene
Concen: 0.31 ug/l
RT: 4.178 min Scan# 815
Delta R.T. 0.003 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

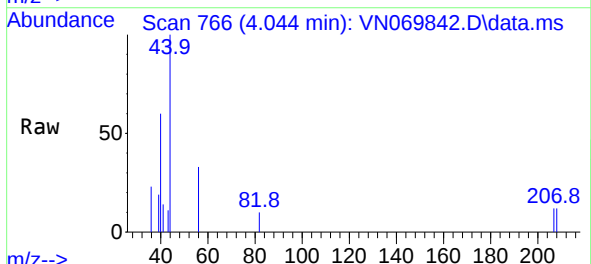
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20211206



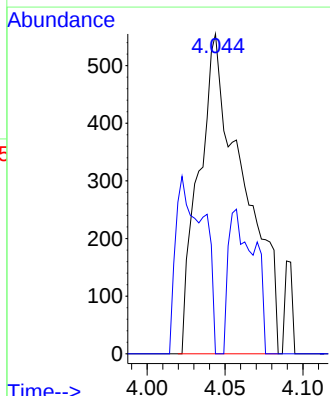
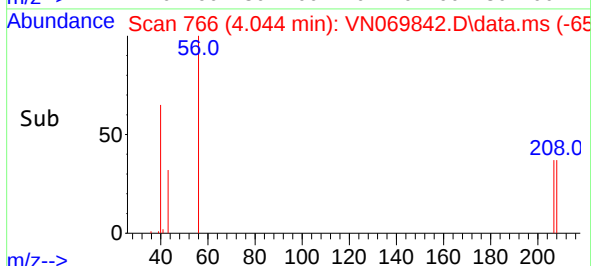
Tgt Ion: 96 Resp: 3821
Ion Ratio Lower Upper
96 100
61 148.1 131.0 196.6
98 53.9 52.4 78.6

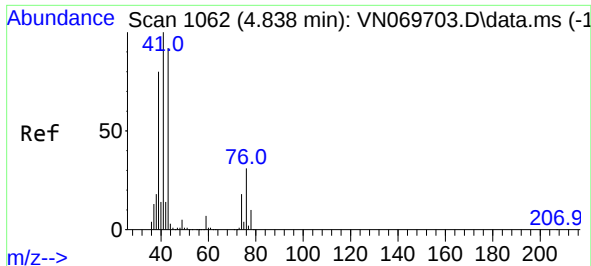


#13
Acrolein
Concen: 0.34 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07



Tgt Ion: 56 Resp: 1110
Ion Ratio Lower Upper
56 100
55 25.9 56.6 85.0#

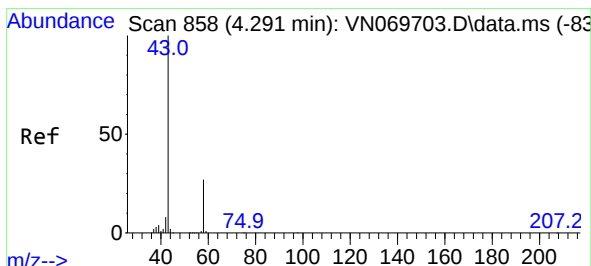
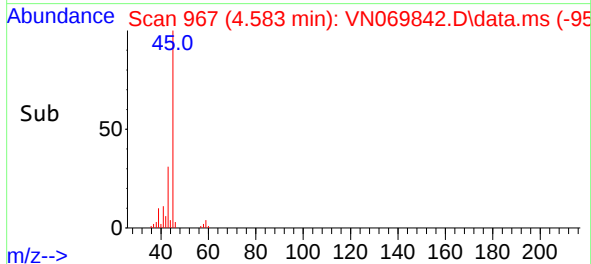
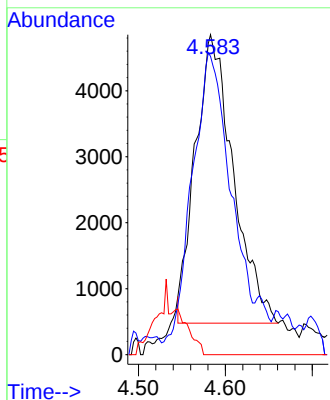
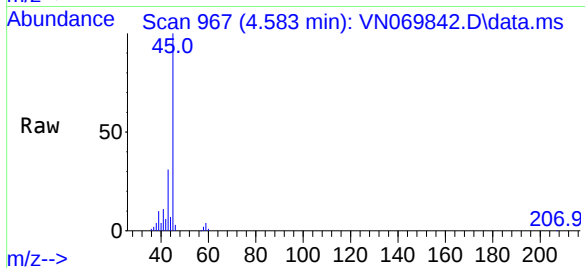




#14
Allyl chloride
Concen: 0.47 ug/l
RT: 4.583 min Scan# 91
Delta R.T. -0.255 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

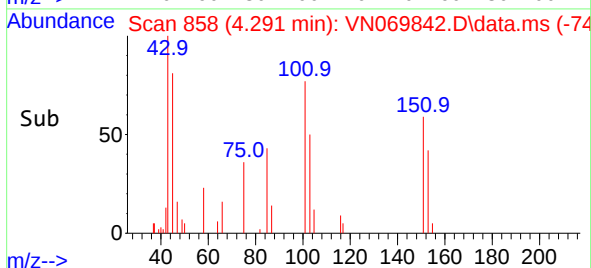
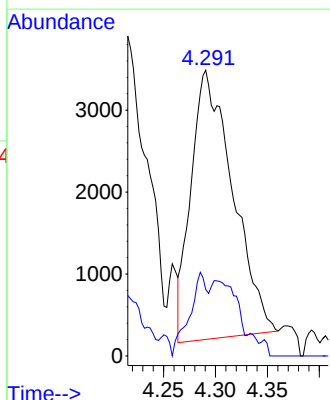
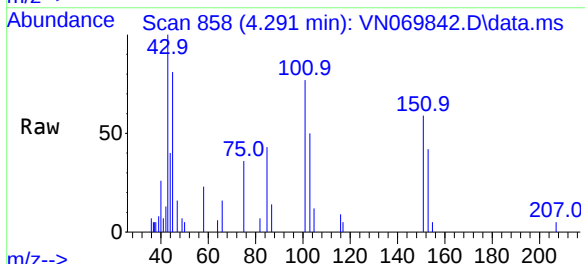
Instrument :
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ClientSampleId :
RE125D3-20211206

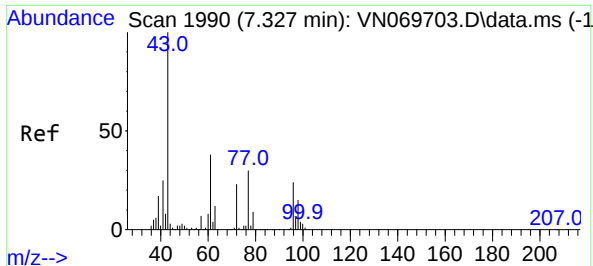
Tgt Ion: 41 Resp: 13248
Ion Ratio Lower Upper
41 100
39 75.5 61.2 91.8
76 0.0 26.0 39.0#



#16
Acetone
Concen: 0.76 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

Tgt Ion: 43 Resp: 9163
Ion Ratio Lower Upper
43 100
58 25.5 23.1 34.7

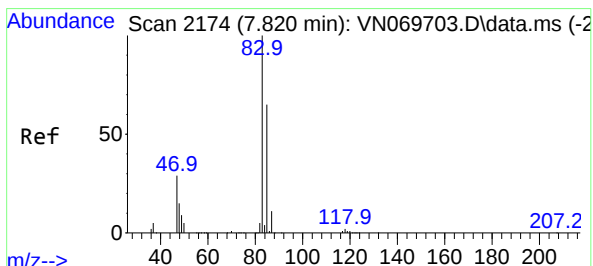
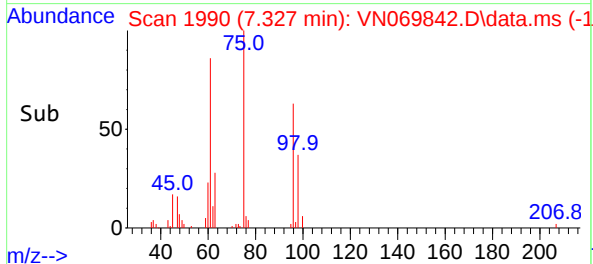
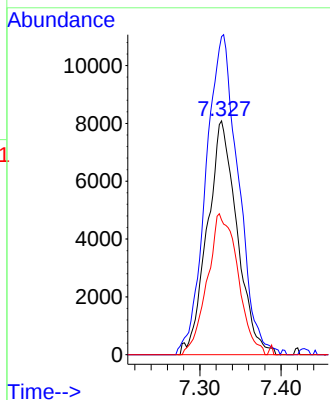
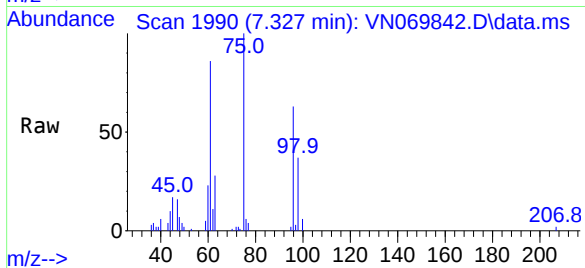




#27
cis-1,2-Dichloroethene
Concen: 1.26 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. 0.000 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

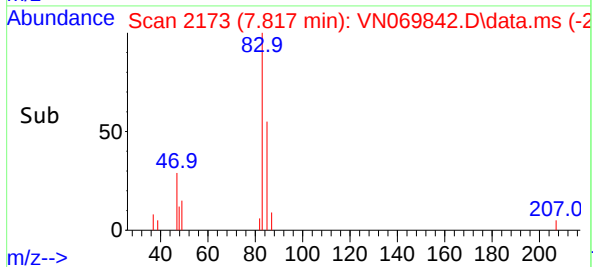
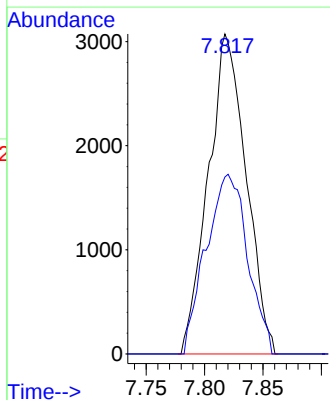
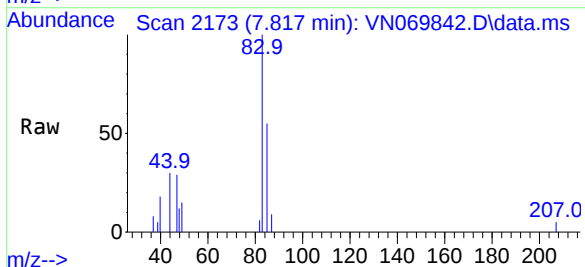
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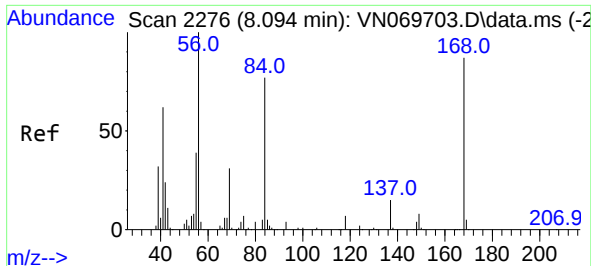
Tgt Ion: 96 Resp: 20585
Ion Ratio Lower Upper
96 100
61 148.8 0.0 275.0
98 62.0 0.0 129.6



#30
Chloroform
Concen: 0.24 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. -0.003 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

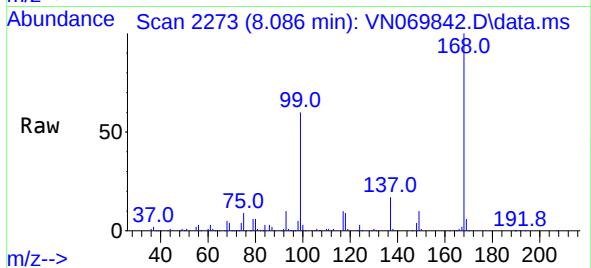
Tgt Ion: 83 Resp: 6919
Ion Ratio Lower Upper
83 100
85 55.3 51.9 77.9



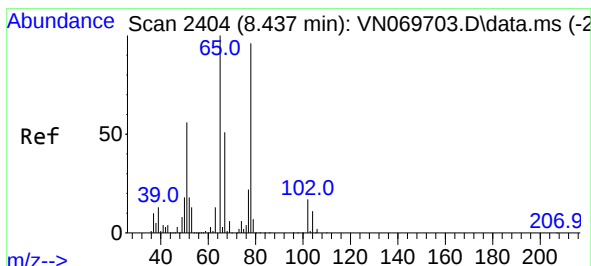
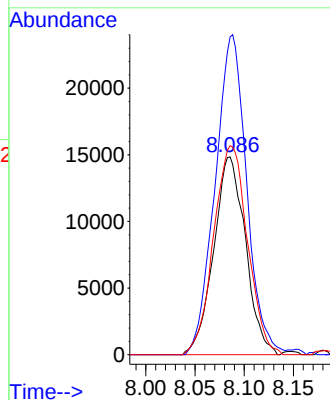
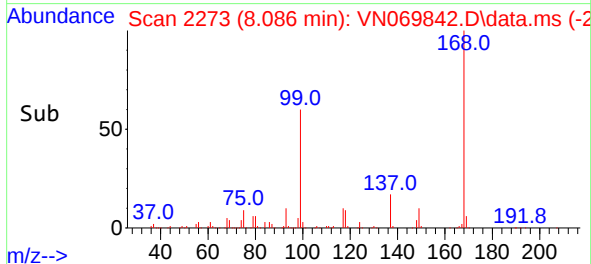


#31
Cyclohexane
Concen: 1.19 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

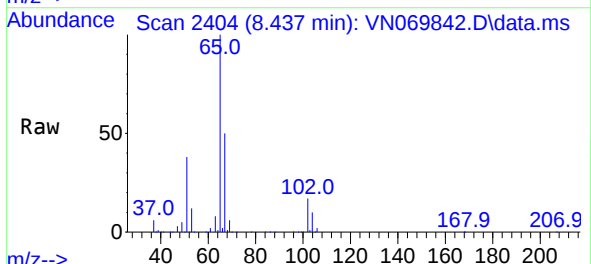
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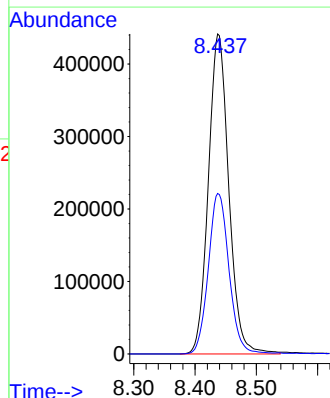
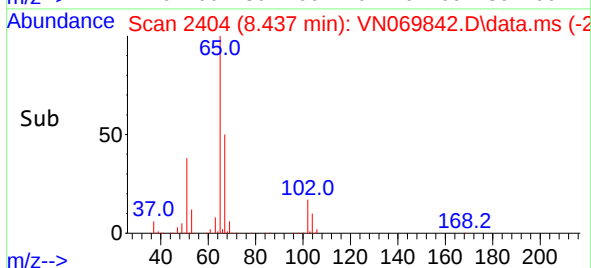
Tgt Ion: 56 Resp: 33457
Ion Ratio Lower Upper
56 100
69 160.6 27.1 40.7#
84 105.6 73.4 110.0

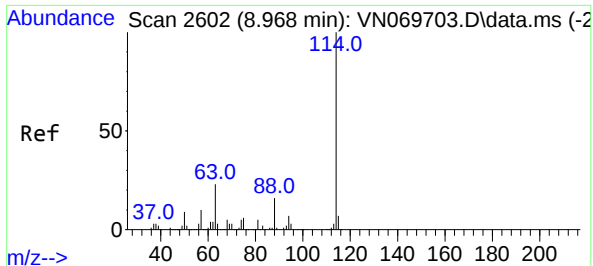


#33
1,2-Dichloroethane-d4
Concen: 50.69 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07



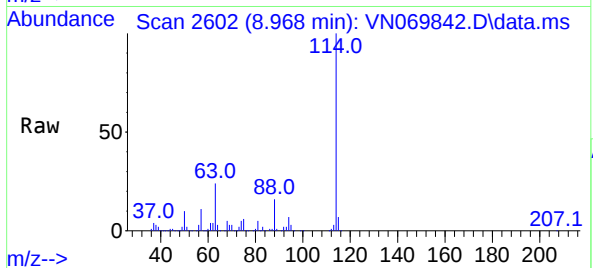
Tgt Ion: 65 Resp: 1021720
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0



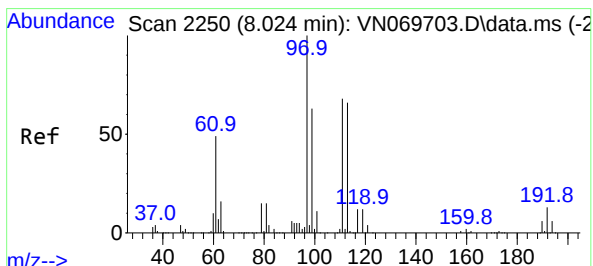
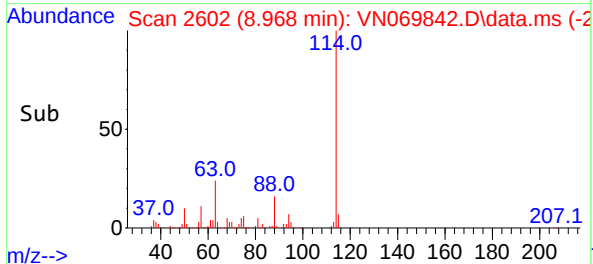
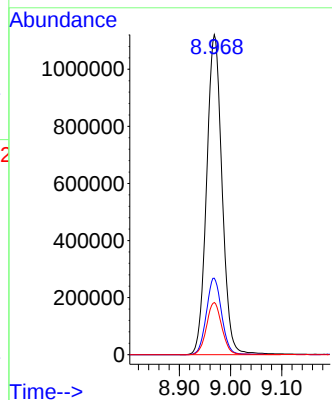


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

Instrument :
MSVOA_N
ClientSampleId :
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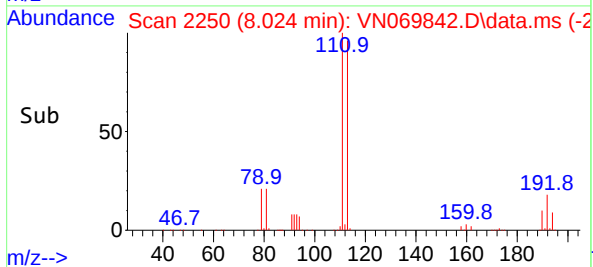
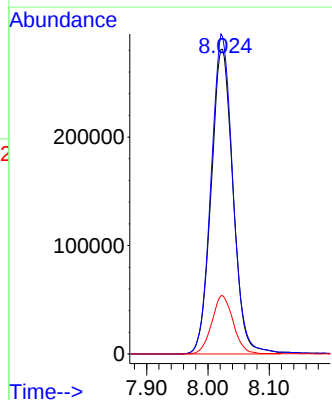
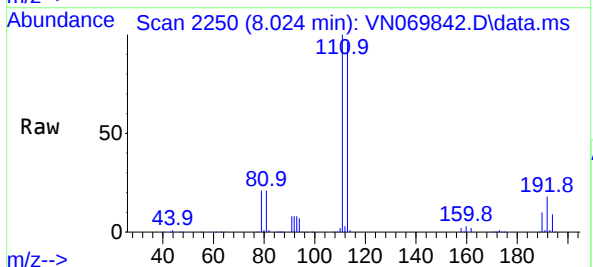


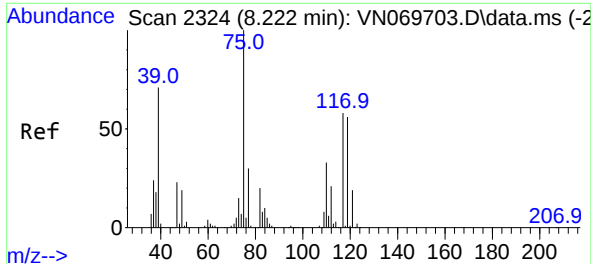
Tgt Ion:114 Resp: 2350472
Ion Ratio Lower Upper
114 100
63 23.9 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.33 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

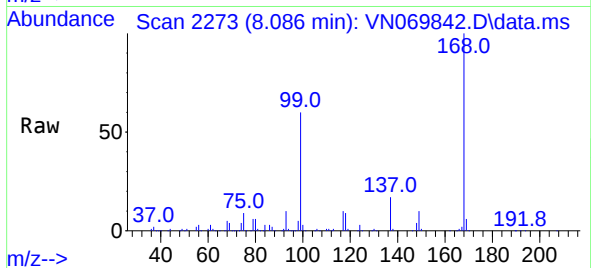
Tgt Ion:113 Resp: 696875
Ion Ratio Lower Upper
113 100
111 104.7 82.2 123.2
192 18.8 16.9 25.3



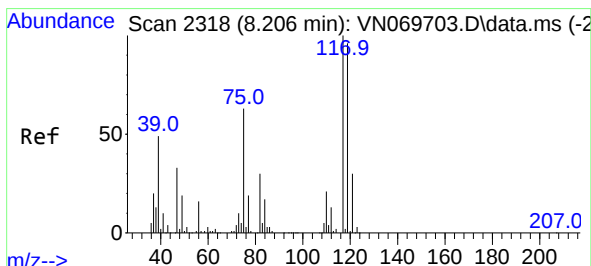
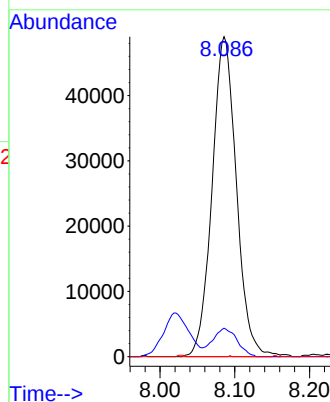
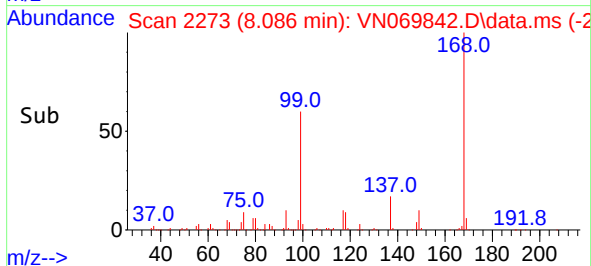


#36
1,1-Dichloropropene
Concen: 4.95 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

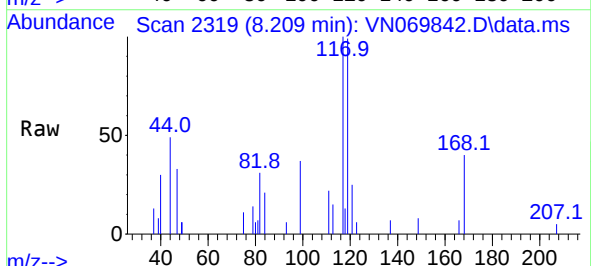
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20211206



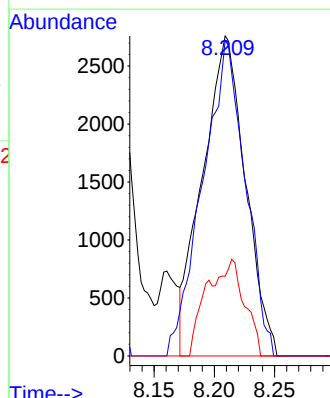
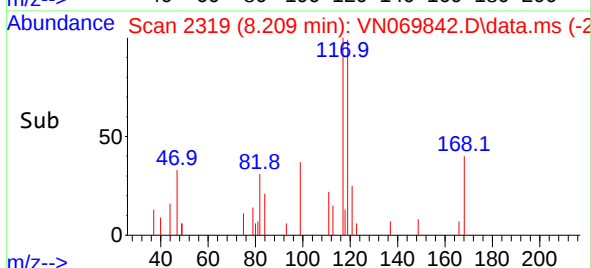
Tgt Ion: 75 Resp: 110669
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#

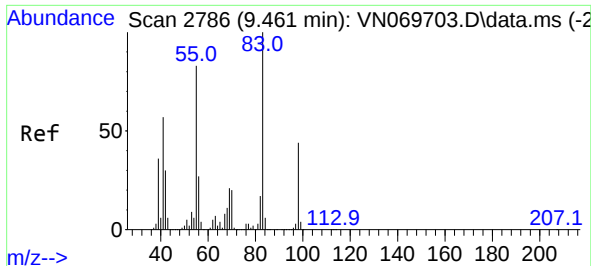


#38
Carbon Tetrachloride
Concen: 0.31 ug/l
RT: 8.209 min Scan# 2319
Delta R.T. 0.003 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07



Tgt Ion: 117 Resp: 6835
Ion Ratio Lower Upper
117 100
119 98.6 76.1 114.1
121 24.9 24.2 36.2





#39

Methylcyclohexane

Concen: 1.06 ug/l

RT: 9.217 min Scan# 2695

Delta R.T. -0.244 min

Lab File: VN069842.D

Acq: 8 Dec 2021 4:07

Instrument :

MSVOA_N

ClientSampleId :

RE125D3-20211206

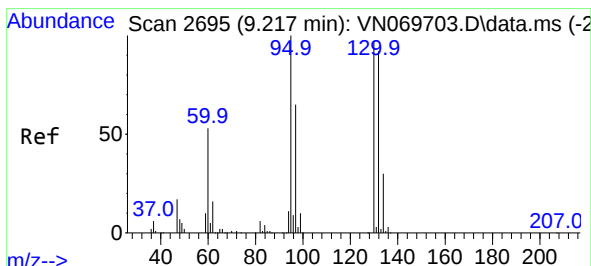
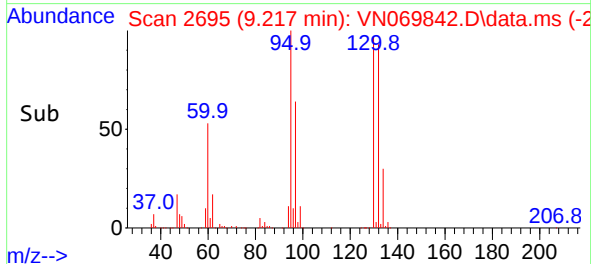
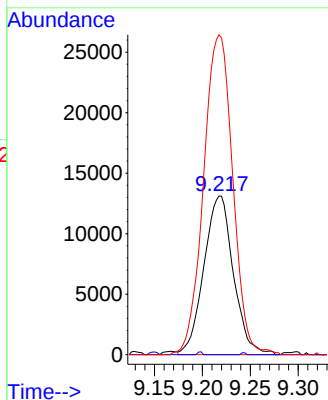
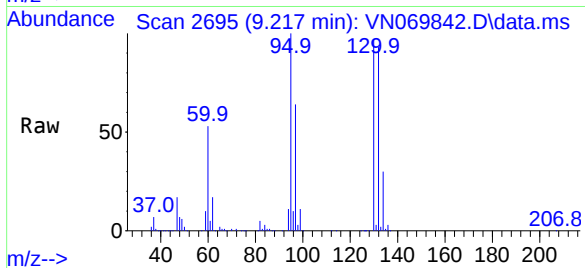
Tgt Ion: 83 Resp: 28110

Ion Ratio Lower Upper

83 100

55 0.0 58.1 87.1#

98 200.3 38.4 57.6#



#44

Trichloroethene

Concen: 127.14 ug/l

RT: 9.217 min Scan# 2695

Delta R.T. 0.000 min

Lab File: VN069842.D

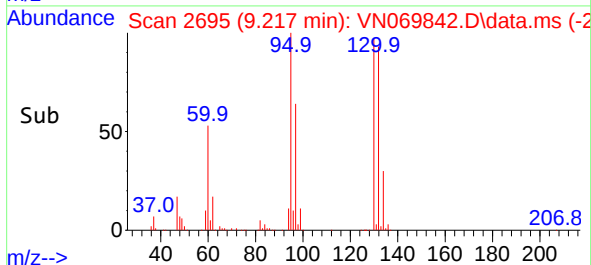
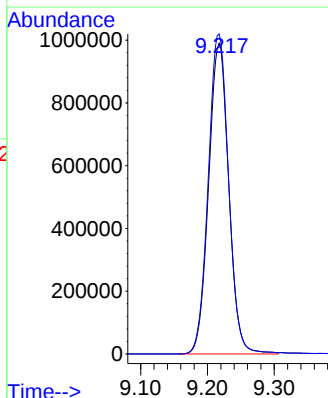
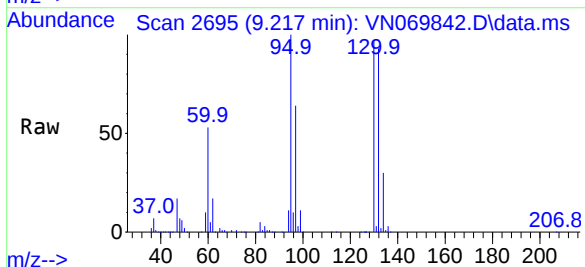
Acq: 8 Dec 2021 4:07

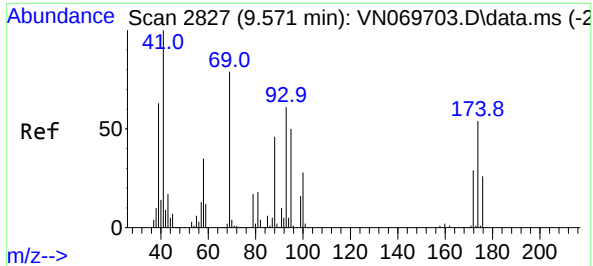
Tgt Ion:130 Resp: 2075541

Ion Ratio Lower Upper

130 100

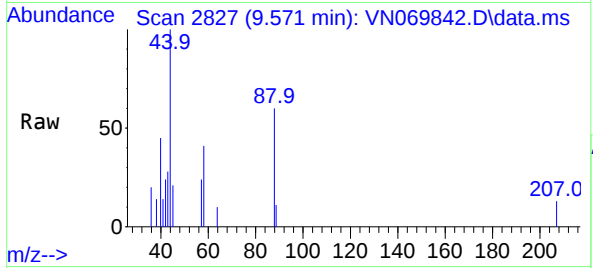
95 103.0 0.0 191.2



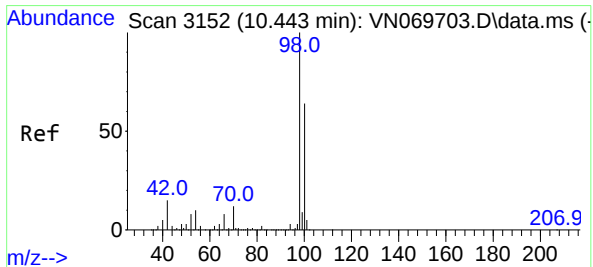
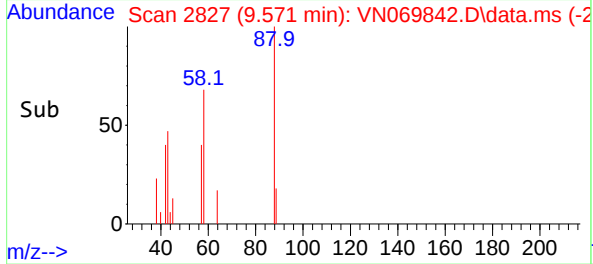
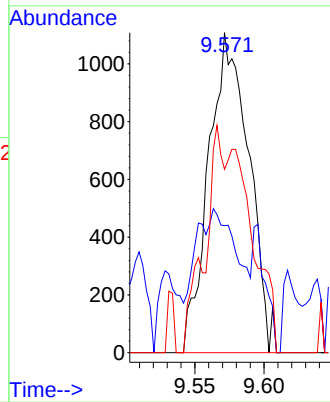


#49
1,4-Dioxane
Concen: 5.42 ug/l
RT: 9.571 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20211206

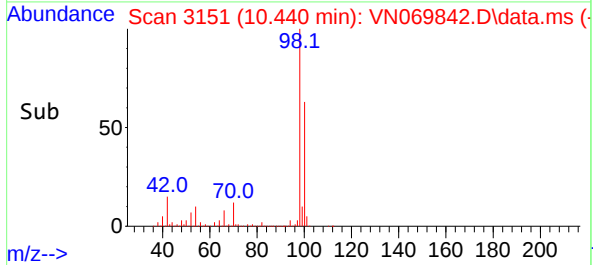
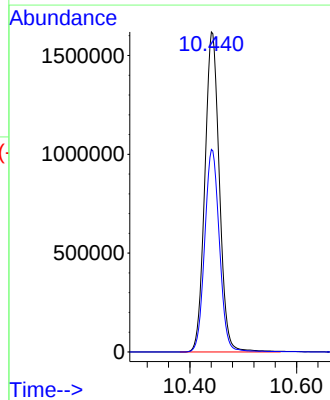
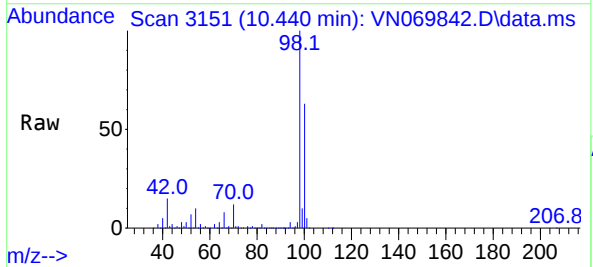


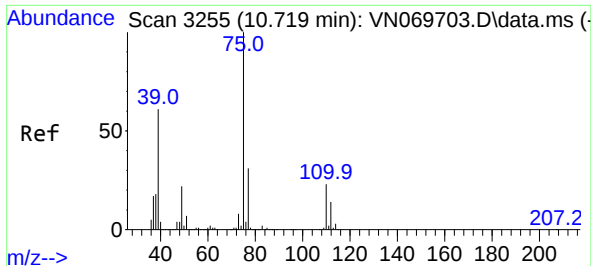
Tgt Ion: 88 Resp: 2236
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 13.4 50.6 75.8#



#50
Toluene-d8
Concen: 51.61 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

Tgt Ion: 98 Resp: 3050746
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6

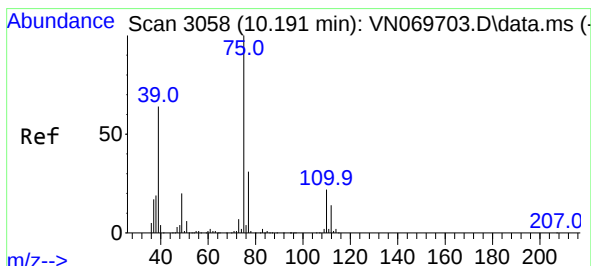
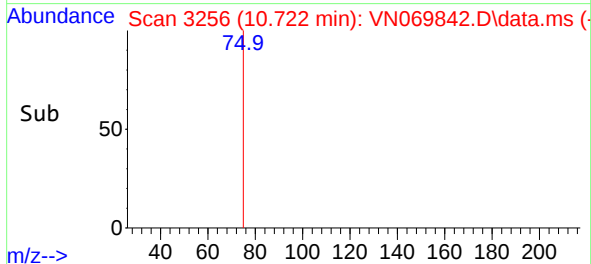
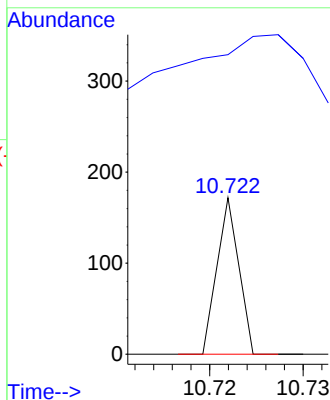
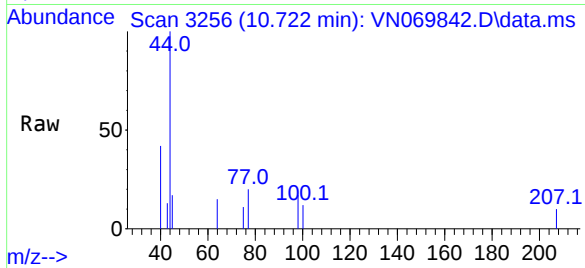




#53
t-1,3-Dichloropropene
Concen: 2.80 ug/l
RT: 10.722 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

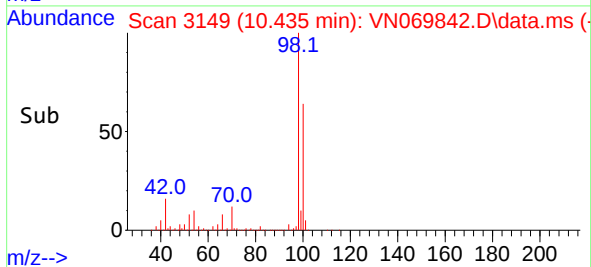
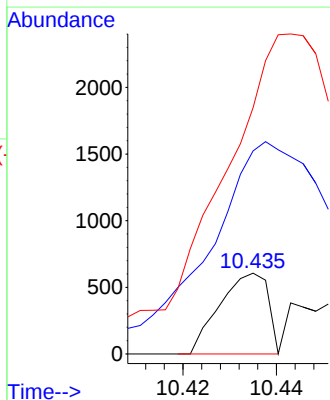
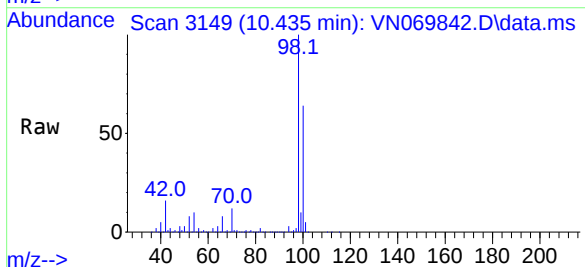
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20211206

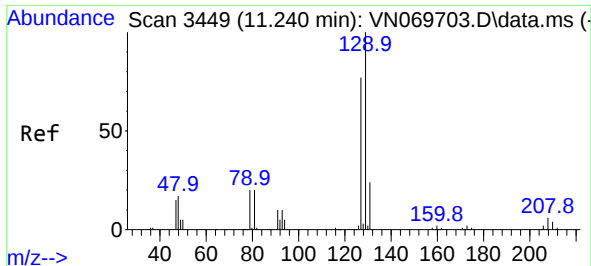
Tgt Ion: 75 Resp: 28
Ion Ratio Lower Upper
75 100
77 7.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.01 ug/l
RT: 10.435 min Scan# 3149
Delta R.T. 0.244 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

Tgt Ion: 75 Resp: 434
Ion Ratio Lower Upper
75 100
77 168.8 26.4 39.6#
39 224.1 42.5 63.7#

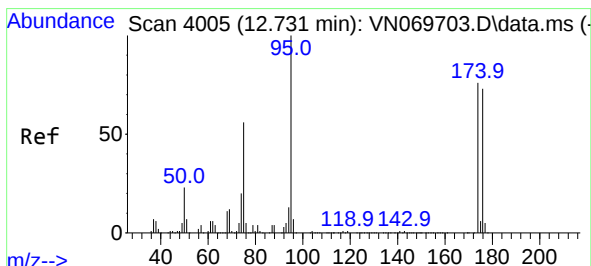
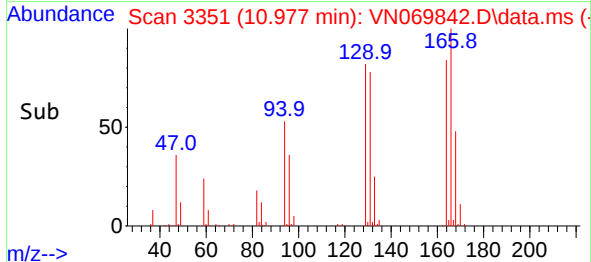
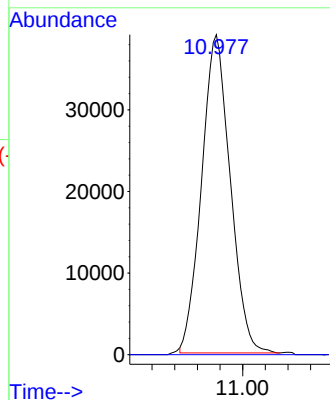
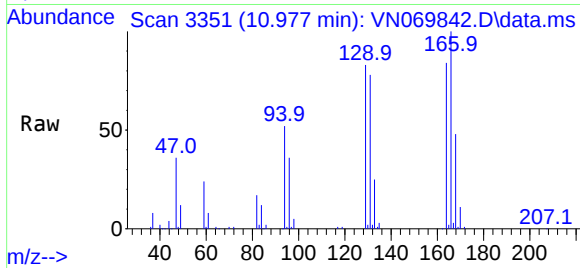




#60
Dibromochloromethane
Concen: 5.99 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

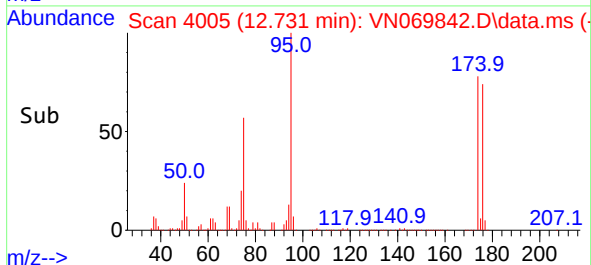
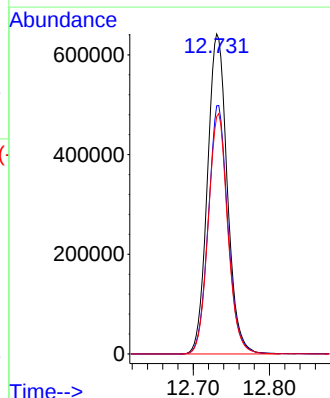
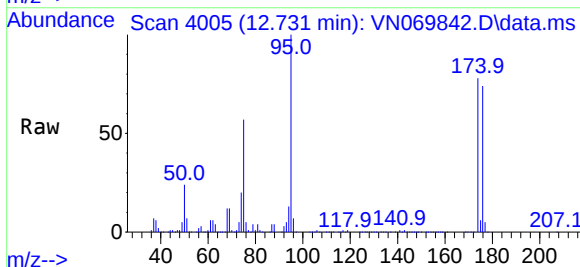
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20211206

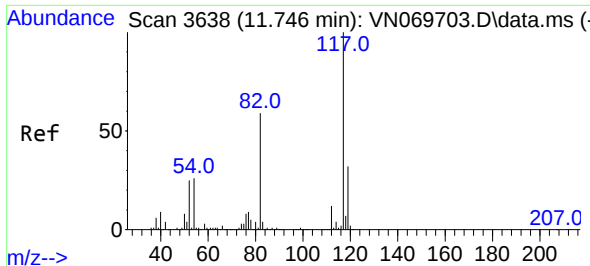
Tgt Ion:129 Resp: 68416
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 54.09 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

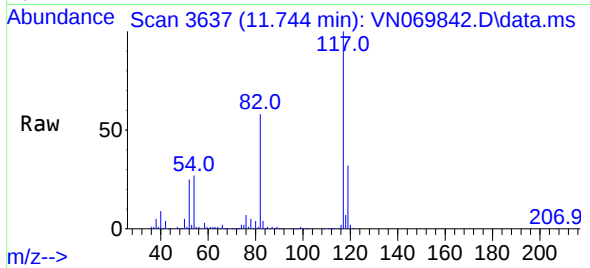
Tgt Ion: 95 Resp: 1158435
Ion Ratio Lower Upper
95 100
174 76.5 0.0 187.2
176 73.8 0.0 181.4





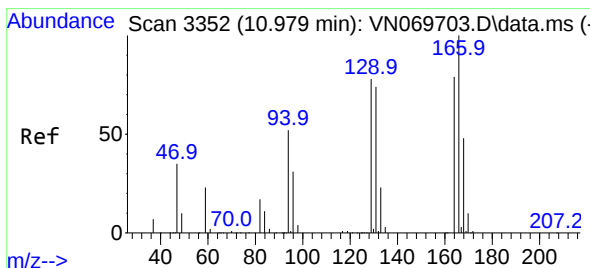
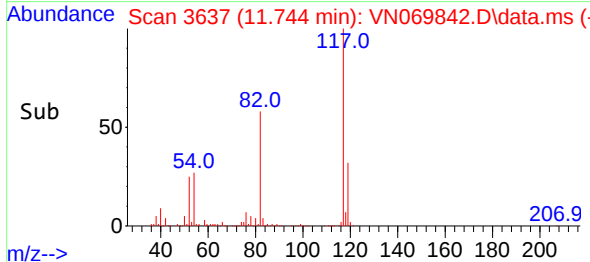
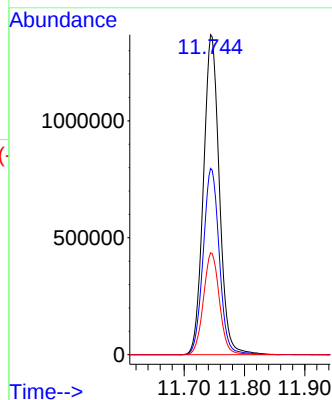
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20211206



Tgt Ion:117 Resp: 2513335

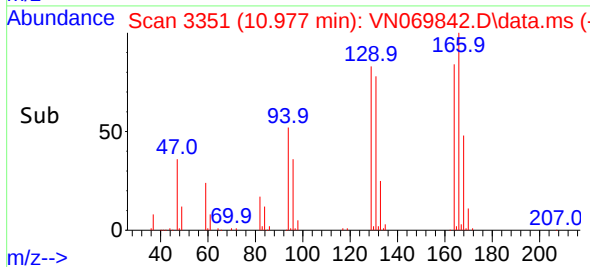
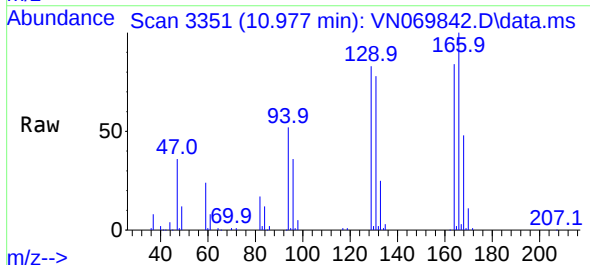
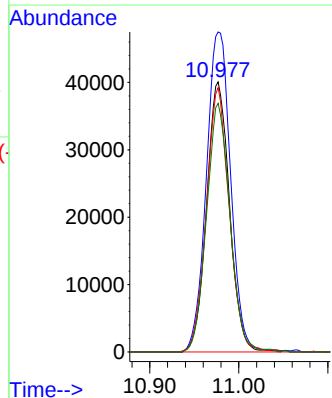
Ion	Ratio	Lower	Upper
117	100		
82	58.2	42.4	63.6
119	31.9	25.4	38.2

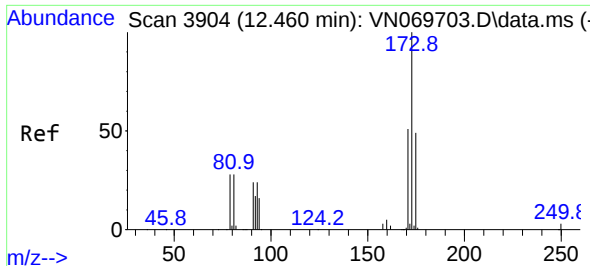


#64
Tetrachloroethene
Concen: 4.21 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

Tgt Ion:164 Resp: 71738

Ion	Ratio	Lower	Upper
164	100		
166	118.5	101.9	152.9
129	97.9	72.0	108.0
131	92.1	70.9	106.3

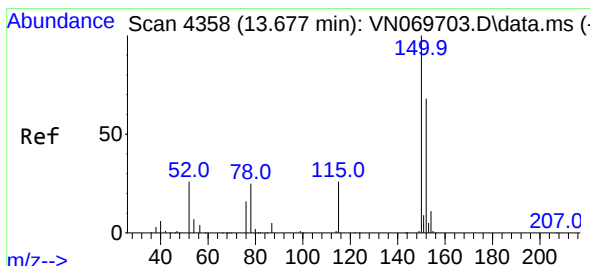
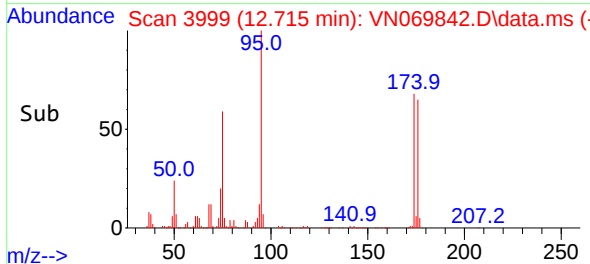
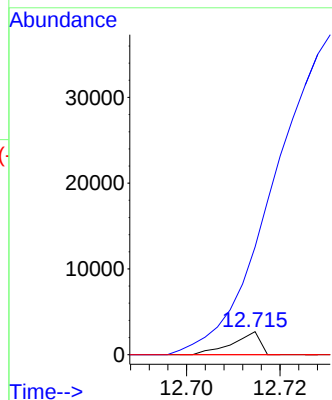
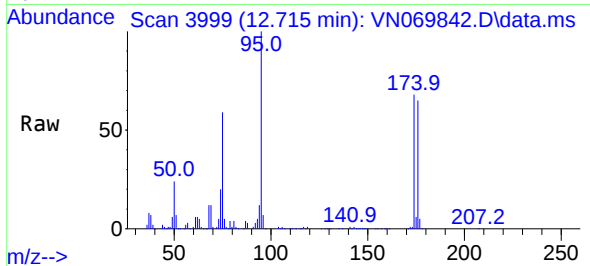




#71
Bromoform
Concen: 2.80 ug/l
RT: 12.715 min Scan# 3904
Delta R.T. 0.255 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

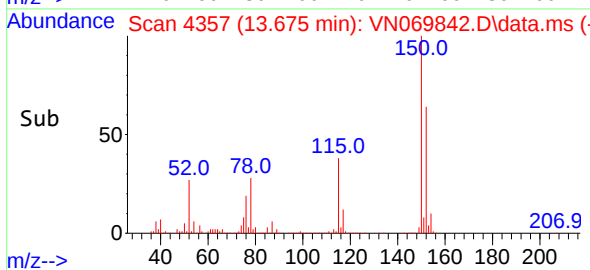
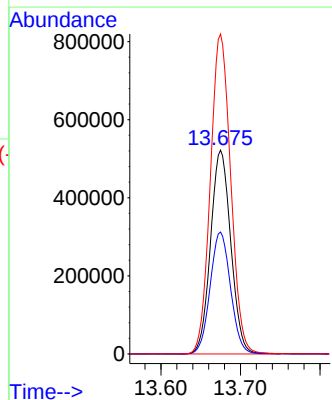
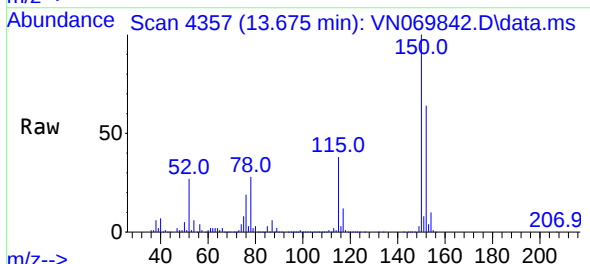
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20211206

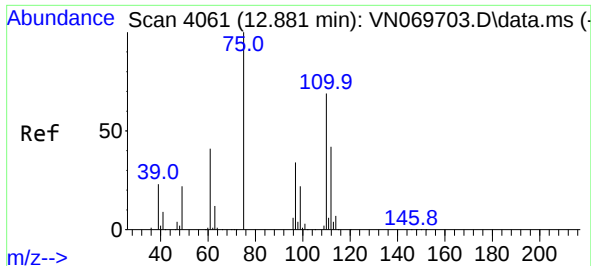
Tgt Ion:173 Resp: 1103
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

Tgt Ion:152 Resp: 923641
Ion Ratio Lower Upper
152 100
115 60.4 27.5 82.5
150 157.8 0.0 344.4

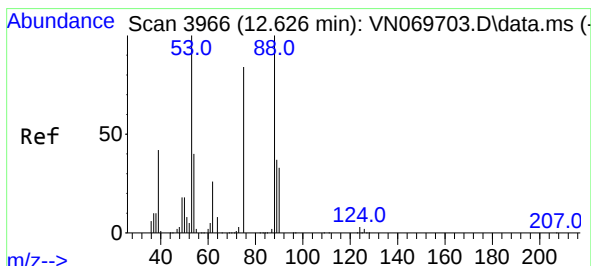
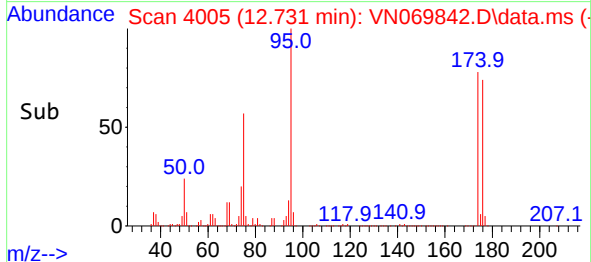
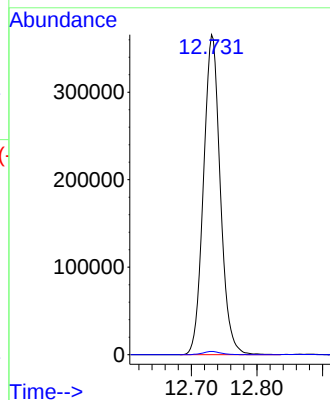
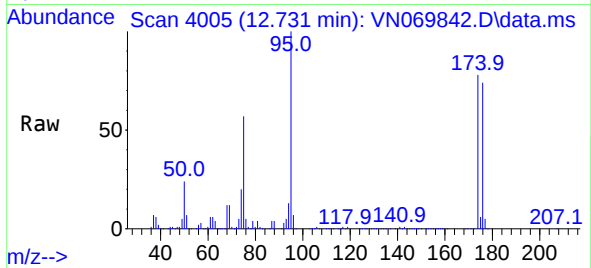




#76
1,2,3-Trichloropropane
Concen: 24.54 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

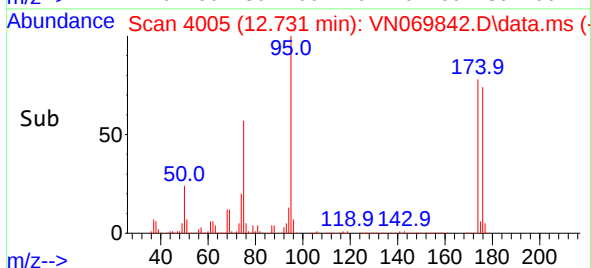
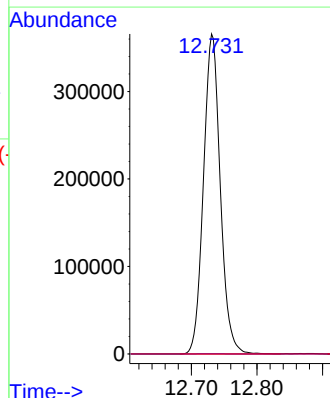
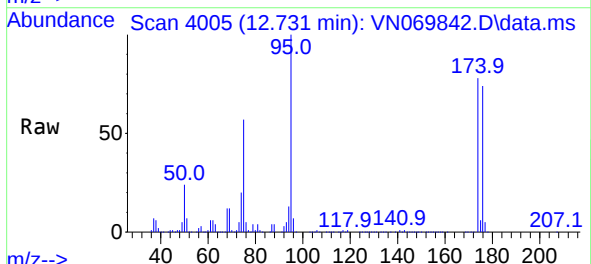
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20211206

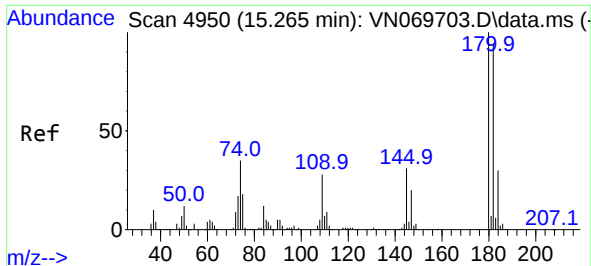
Tgt Ion: 75 Resp: 650056
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.86 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

Tgt Ion: 75 Resp: 650056
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

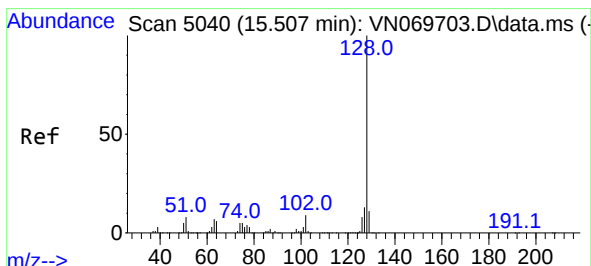
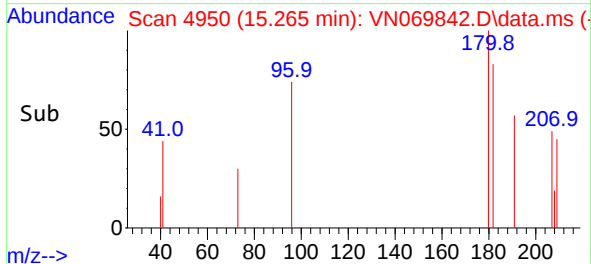
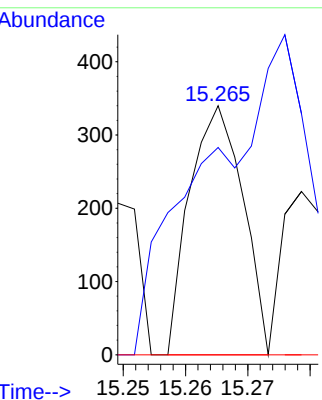
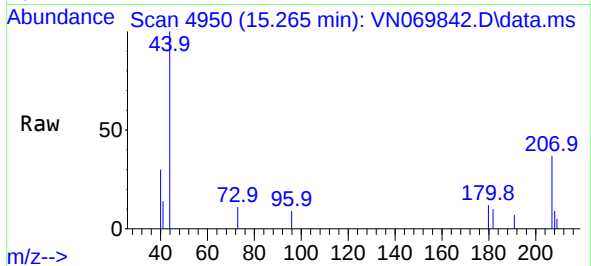




#93
1,2,4-Trichlorobenzene
Concen: 2.89 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

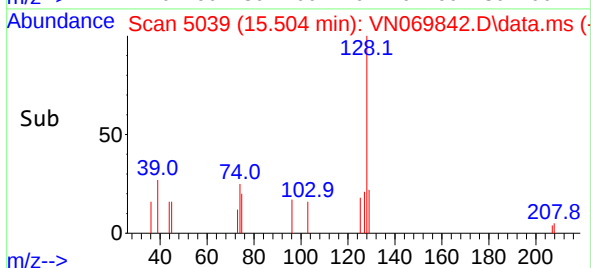
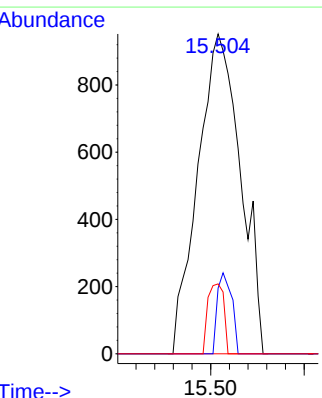
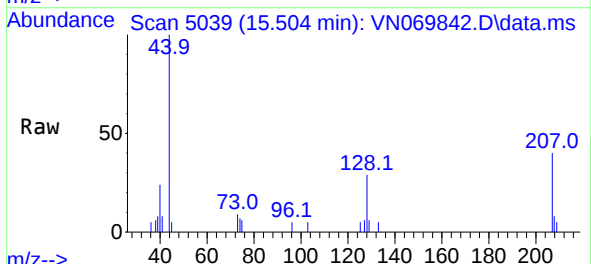
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20211206

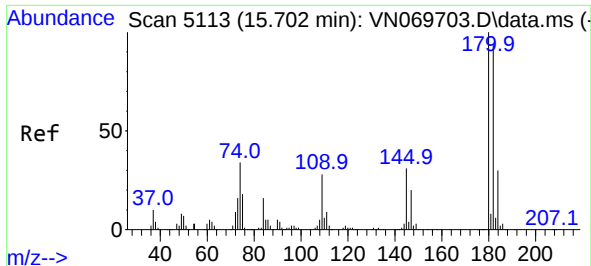
Tgt Ion:180 Resp: 202
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 4.02 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN069842.D
Acq: 8 Dec 2021 4:07

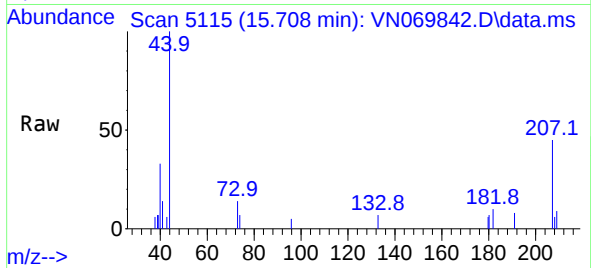
Tgt Ion:128 Resp: 1514
Ion Ratio Lower Upper
128 100
127 8.5 10.5 15.7#
129 8.1 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.46 ug/l
 RT: 15.708 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN069842.D
 Acq: 8 Dec 2021 4:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D3-20211206



Tgt Ion:180 Resp: 384
 Ion Ratio Lower Upper
 180 100
 182 72.7 47.4 142.2
 145 21.9 15.0 45.1

