

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069858.D
 Acq On : 8 Dec 2021 13:56
 Operator : JC/MD
 Sample : M4957-03DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE114D1-20211206DL

Quant Time: Dec 09 11:38:39 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

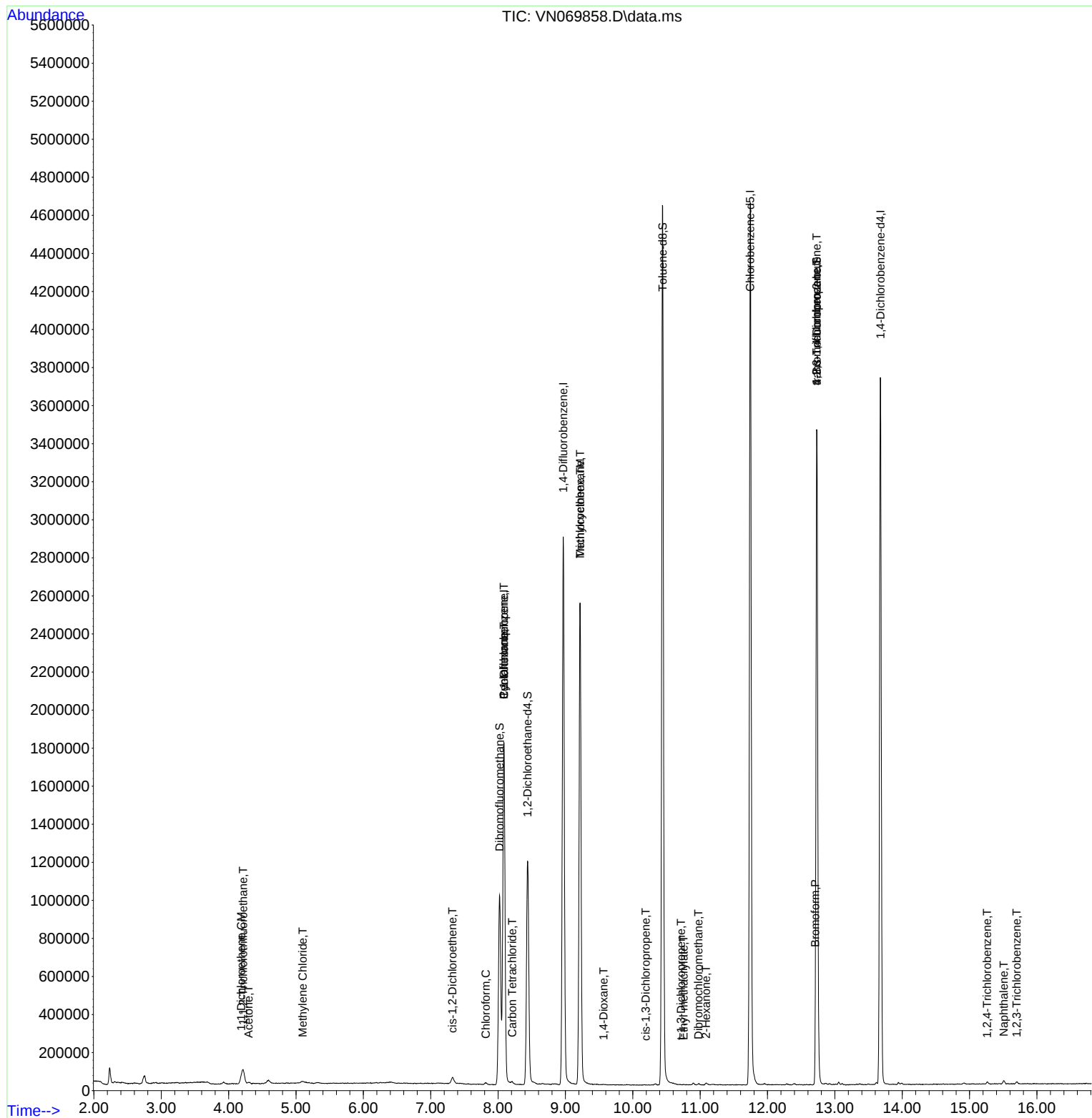
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1333067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2400579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2579177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	991992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1038003	50.431	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.860%	
35) Dibromofluoromethane	8.021	113	715188	47.563	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.120%	
50) Toluene-d8	10.443	98	3114734	51.588	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.180%	
62) 4-Bromofluorobenzene	12.731	95	1227632	56.124	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 112.240%	
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	4.213	101	45790	3.475	ug/l	95
12) 1,1-Dichloroethene	4.186	96	7564	0.596	ug/l	97
16) Acetone	4.296	43	3685	0.298	ug/l #	74
20) Methylene Chloride	5.098	84	3581	0.218	ug/l #	95
27) cis-1,2-Dichloroethene	7.324	96	10580	0.635	ug/l	89
30) Chloroform	7.817	83	8772	0.300	ug/l	100
31) Cyclohexane	8.088	56	34685	1.211	ug/l #	32
36) 1,1-Dichloropropene	8.086	75	116549	5.100	ug/l #	48
38) Carbon Tetrachloride	8.209	117	6657	0.297	ug/l #	80
39) Methylcyclohexane	9.217	83	12155	0.447	ug/l #	1
44) Trichloroethene	9.217	130	892288	53.519	ug/l	91
49) 1,4-Dioxane	9.566	88	364	0.864	ug/l #	27
53) t-1,3-Dichloropropene	10.717	75	291	2.804	ug/l #	43
54) cis-1,3-Dichloropropene	10.191	75	179	2.005	ug/l #	34
56) Ethyl methacrylate	10.754	69	665	2.299	ug/l #	6
59) 2-Hexanone	11.087	43	9005	0.365	ug/l	65
60) Dibromochloromethane	10.974	129	1340	2.445	ug/l #	11
71) Bromoform	12.709	173	412	2.756	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	682888	24.005	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	682888	76.245	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	4086	3.115	ug/l	95
95) Naphthalene	15.507	128	15471	4.279	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.700	180	4051	2.679	ug/l	96

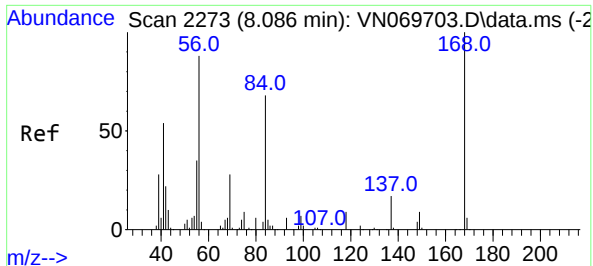
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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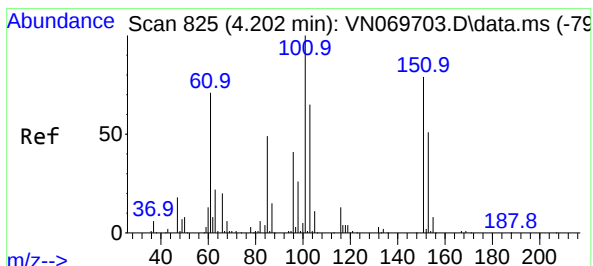
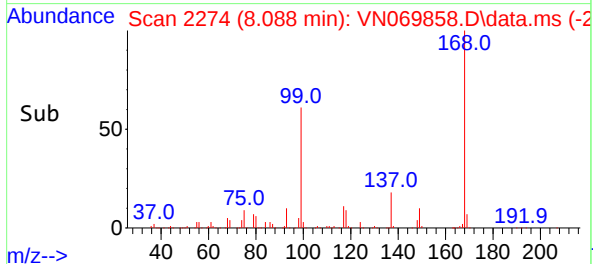
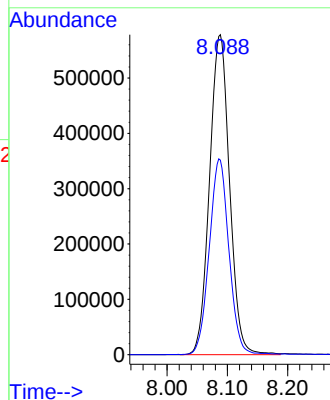
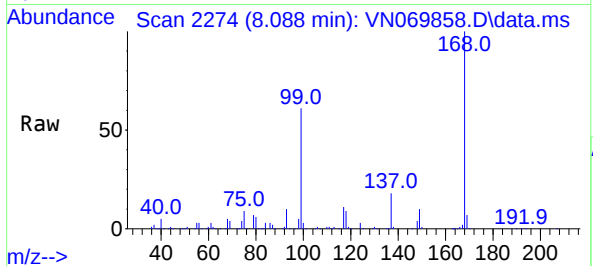




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

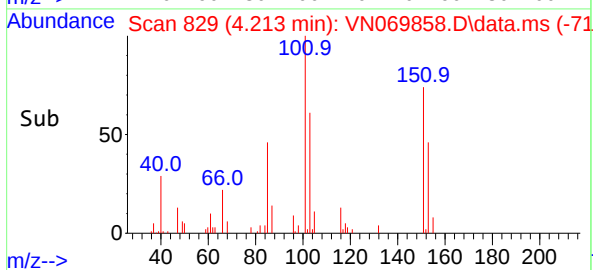
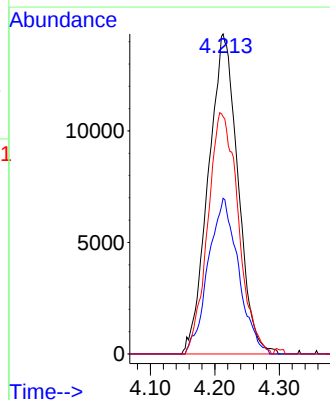
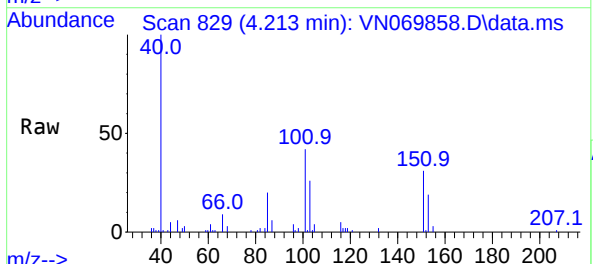
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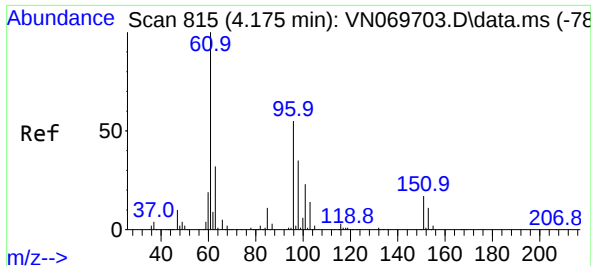
Tgt Ion:168 Resp: 1333067
Ion Ratio Lower Upper
168 100
99 60.7 41.3 61.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.475 ug/l
RT: 4.213 min Scan# 829
Delta R.T. 0.011 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

Tgt Ion:101 Resp: 45790
Ion Ratio Lower Upper
101 100
85 49.5 37.2 55.8
151 77.5 65.9 98.9

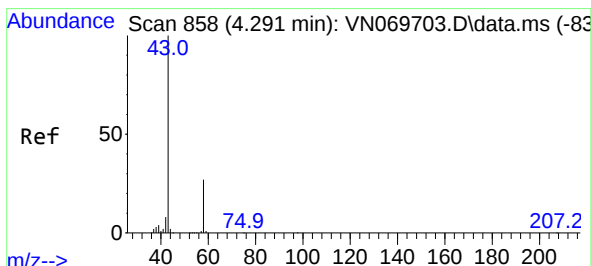
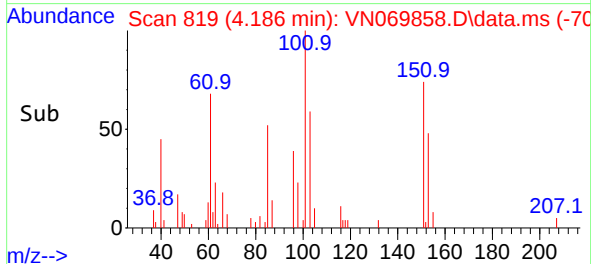
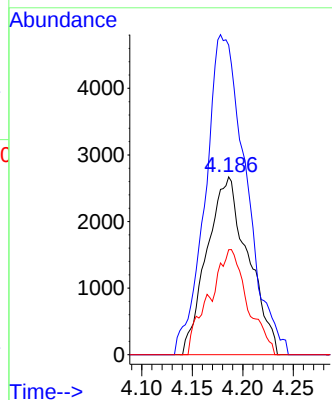
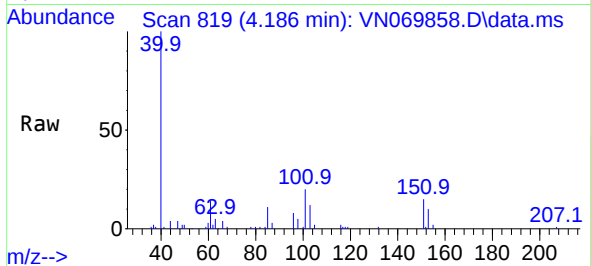




#12
1,1-Dichloroethene
Concen: 0.596 ug/l
RT: 4.186 min Scan# 815
Delta R.T. 0.011 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

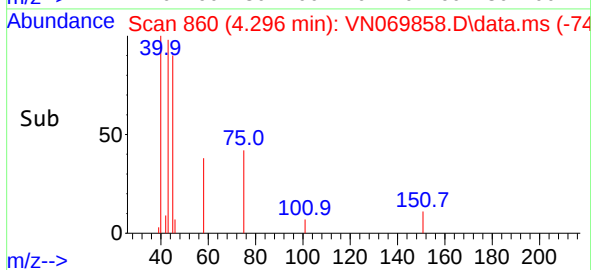
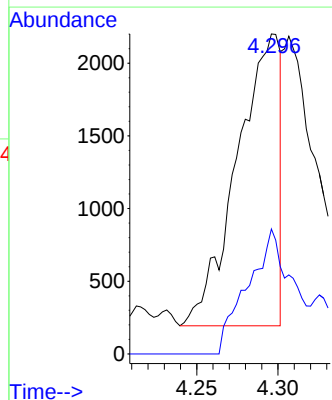
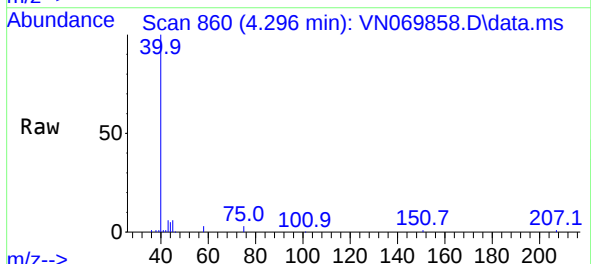
Instrument :
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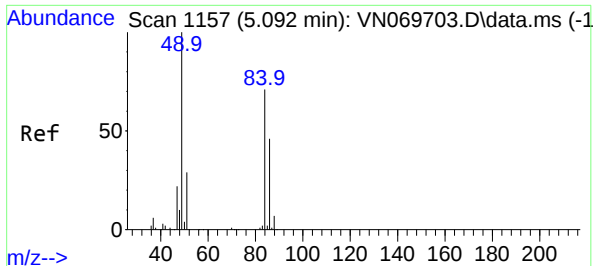
Tgt Ion: 96 Resp: 7564
Ion Ratio Lower Upper
96 100
61 166.0 131.0 196.6
98 59.0 52.4 78.6



#16
Acetone
Concen: 0.298 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

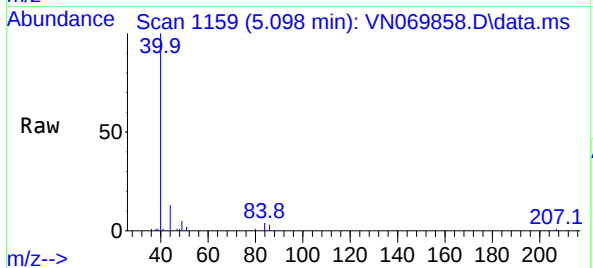
Tgt Ion: 43 Resp: 3685
Ion Ratio Lower Upper
43 100
58 42.8 23.1 34.7#





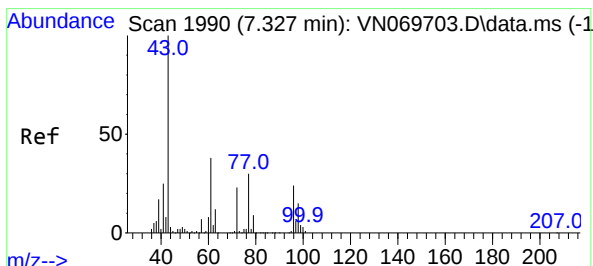
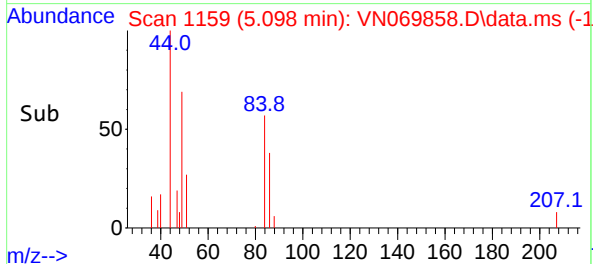
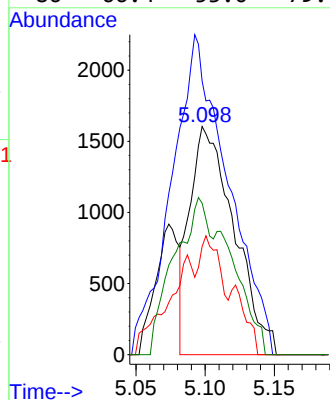
#20
Methylene Chloride
Concen: 0.218 ug/l
RT: 5.098 min Scan# 1157
Delta R.T. 0.005 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

Instrument :
MSVOA_N
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RE114D1-20211206DL



Tgt Ion: 84 Resp: 3581

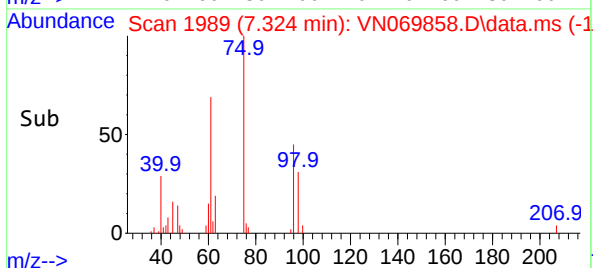
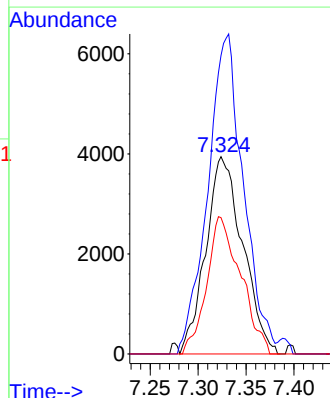
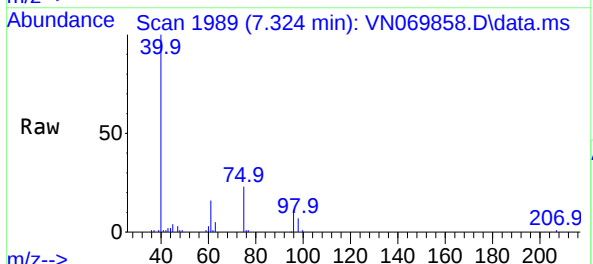
Ion	Ratio	Lower	Upper
84	100		
49	120.0	93.5	140.3
51	47.4	29.4	44.2
86	66.4	53.0	79.4

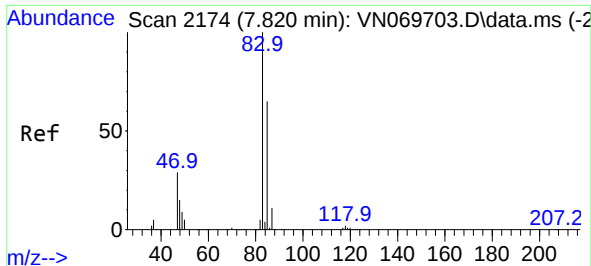


#27
cis-1,2-Dichloroethene
Concen: 0.635 ug/l
RT: 7.324 min Scan# 1989
Delta R.T. -0.003 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

Tgt Ion: 96 Resp: 10580

Ion	Ratio	Lower	Upper
96	100		
61	156.0	0.0	275.0
98	63.9	0.0	129.6

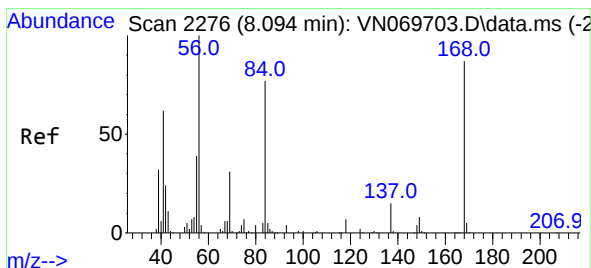
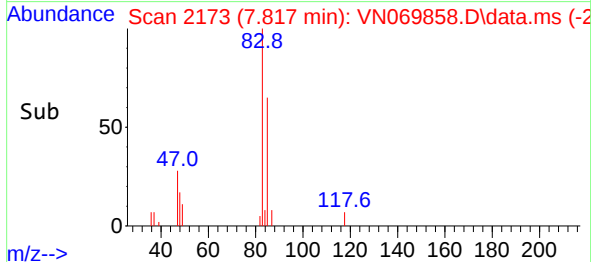
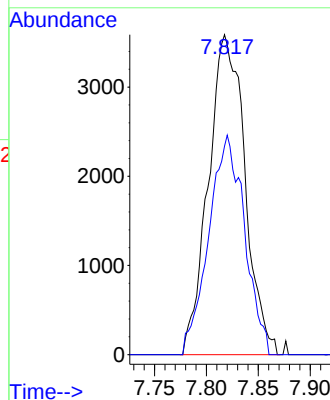
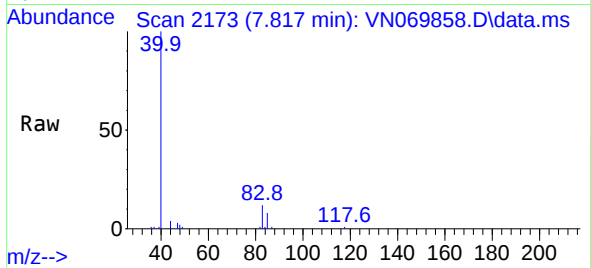




#30
Chloroform
Concen: 0.300 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. -0.003 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

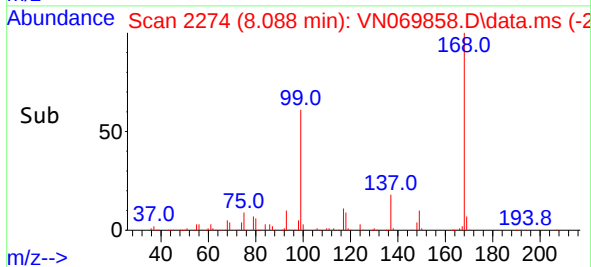
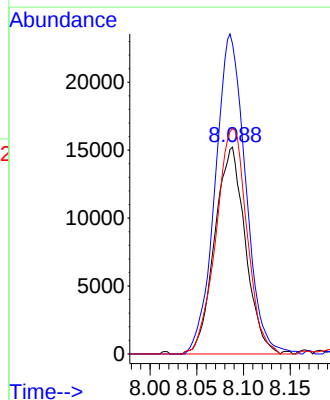
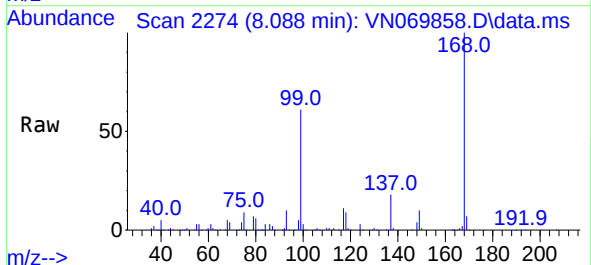
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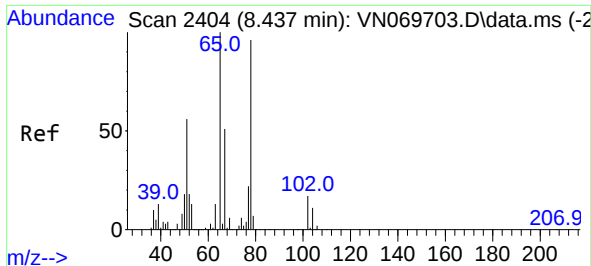
Tgt Ion: 83 Resp: 8772
Ion Ratio Lower Upper
83 100
85 65.2 51.9 77.9



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.005 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

Tgt Ion: 56 Resp: 34685
Ion Ratio Lower Upper
56 100
69 150.0 27.1 40.7#
84 108.9 73.4 110.0

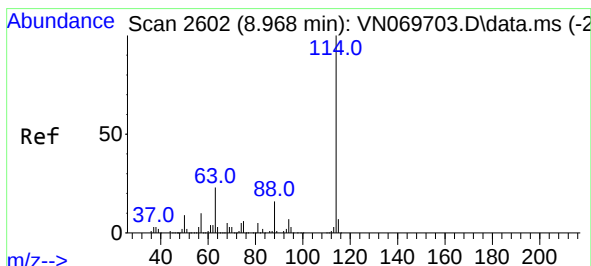
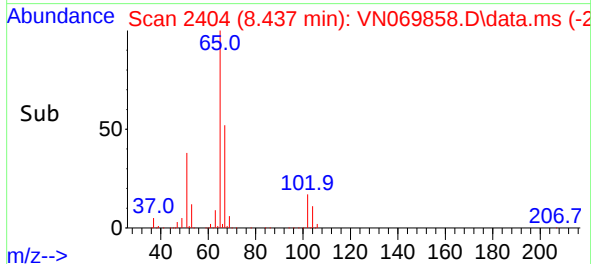
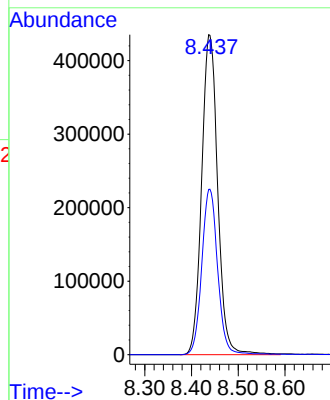
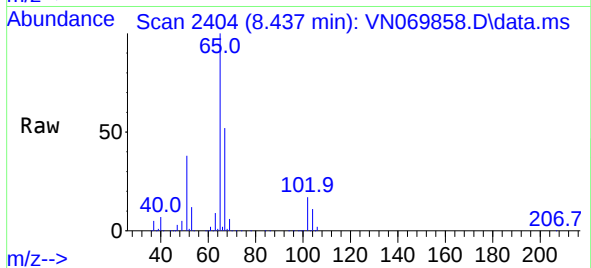




#33
1,2-Dichloroethane-d4
Concen: 50.431 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

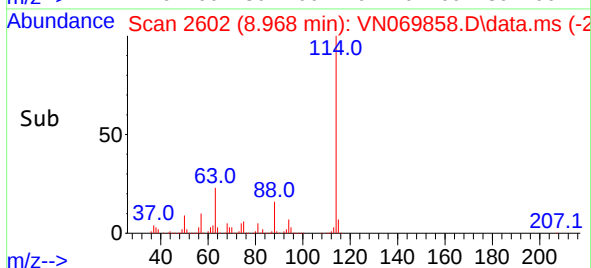
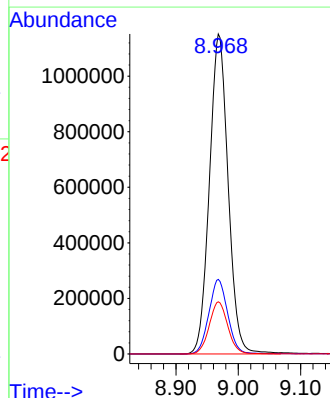
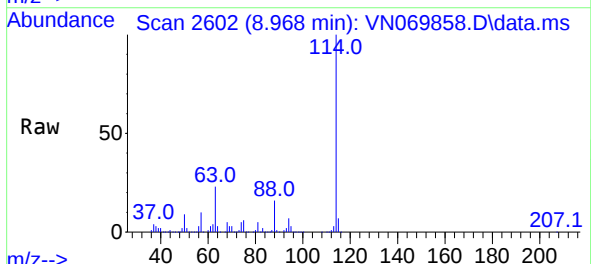
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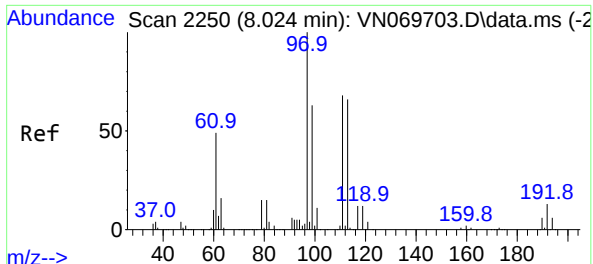
Tgt Ion: 65 Resp: 1038003
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

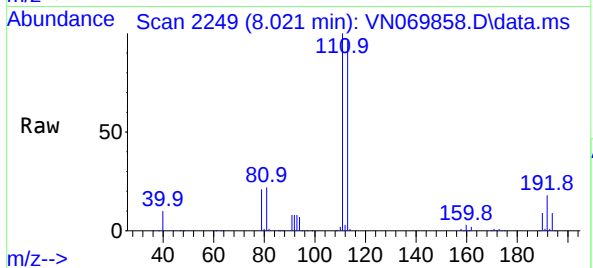
Tgt Ion:114 Resp: 2400579
Ion Ratio Lower Upper
114 100
63 23.3 0.0 37.8
88 16.3 0.0 27.4



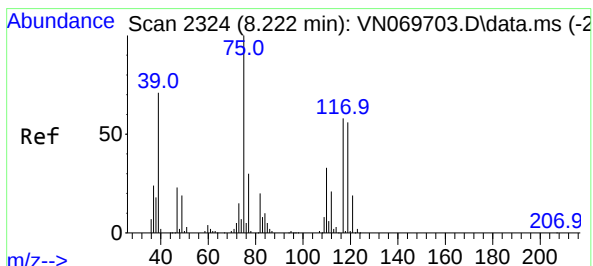
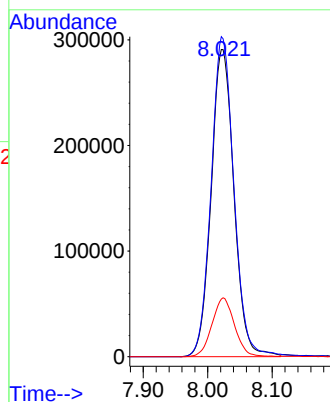
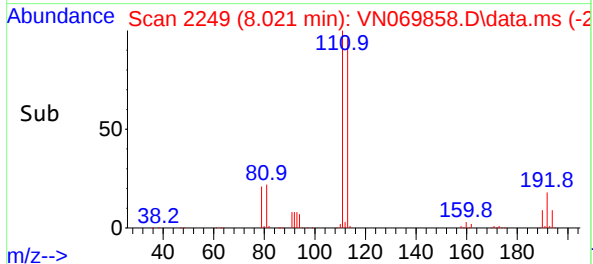


#35
Dibromofluoromethane
Concen: 47.563 ug/l
RT: 8.021 min Scan# 211
Delta R.T. -0.003 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

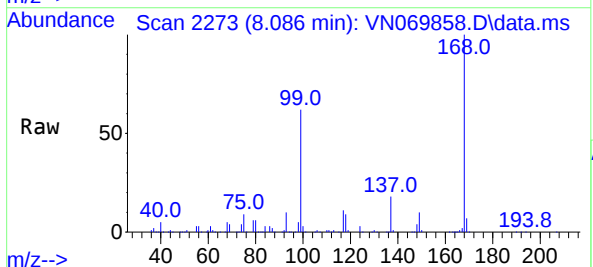
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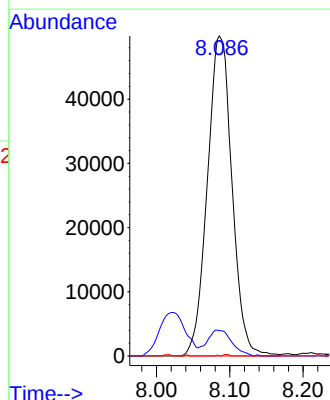
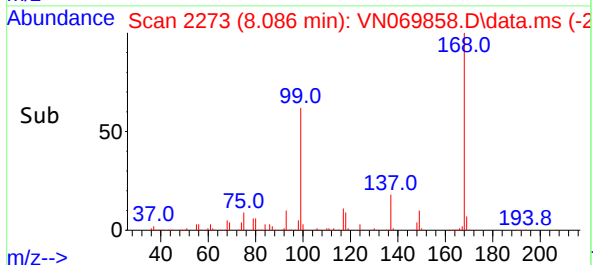
Tgt Ion:113 Resp: 715188
Ion Ratio Lower Upper
113 100
111 104.4 82.2 123.2
192 19.0 16.9 25.3

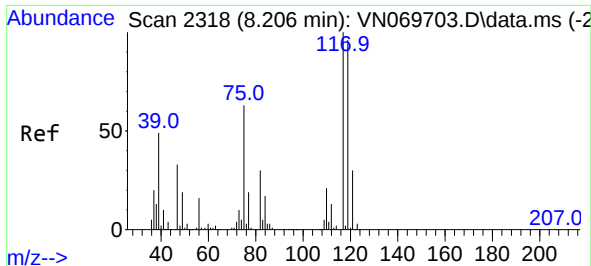


#36
1,1-Dichloropropene
Concen: 5.100 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56



Tgt Ion: 75 Resp: 116549
Ion Ratio Lower Upper
75 100
110 8.0 18.4 55.2#
77 0.0 24.4 36.6#

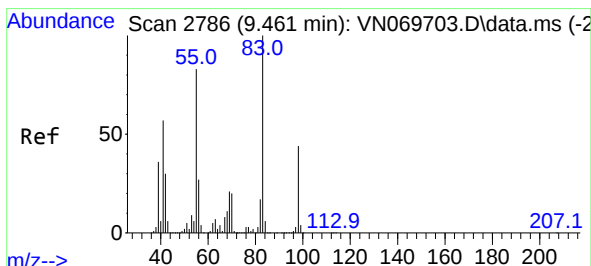
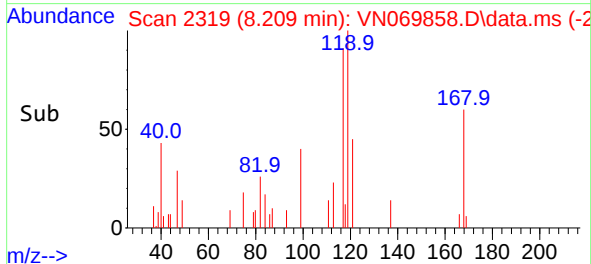
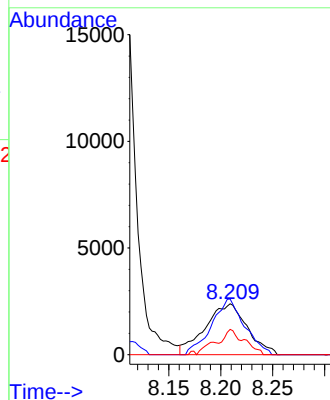
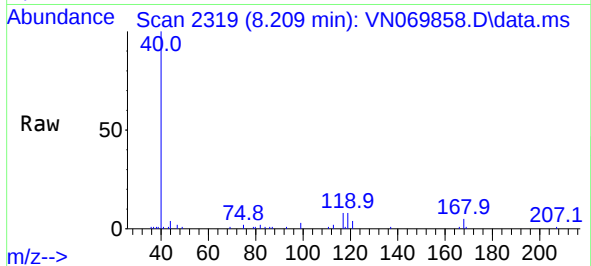




#38
Carbon Tetrachloride
Concen: 0.297 ug/l
RT: 8.209 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

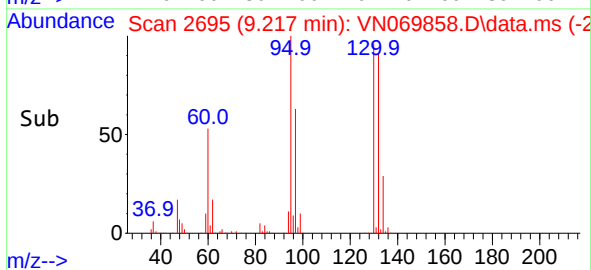
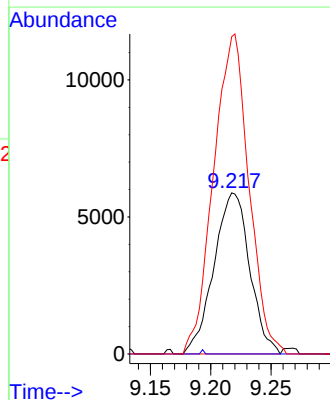
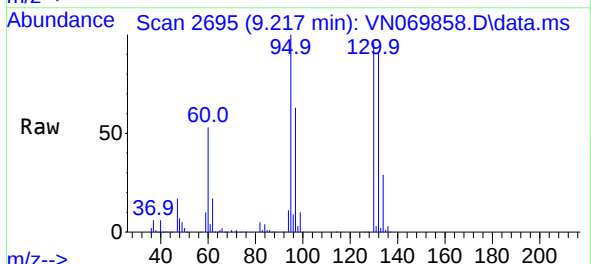
Instrument :
MSVOA_N
ClientSampleId :
RE114D1-20211206DL

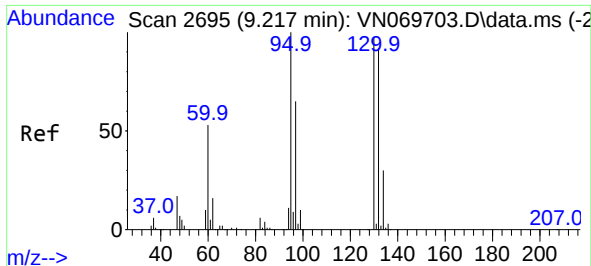
Tgt Ion:117 Resp: 6657
Ion Ratio Lower Upper
117 100
119 109.7 76.1 114.1
121 49.9 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.447 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. -0.244 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

Tgt Ion: 83 Resp: 12155
Ion Ratio Lower Upper
83 100
55 0.0 58.1 87.1#
98 197.0 38.4 57.6#

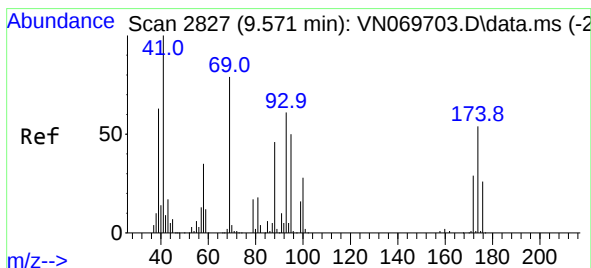
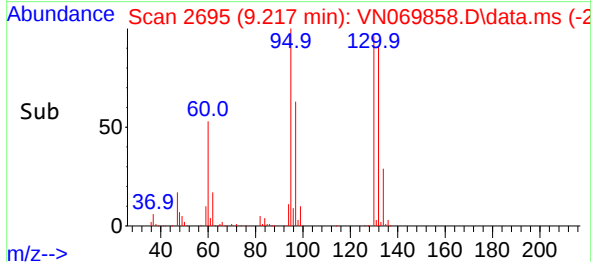
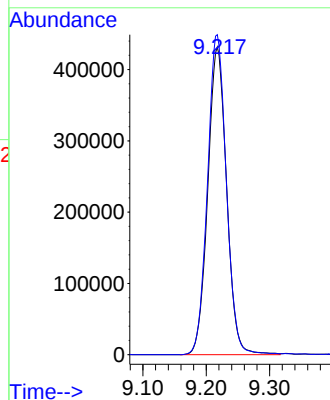
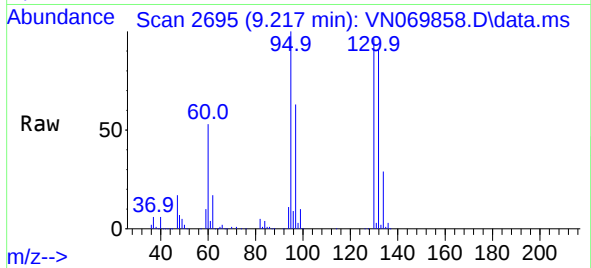




#44
Trichloroethene
Concen: 53.519 ug/l
RT: 9.217 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

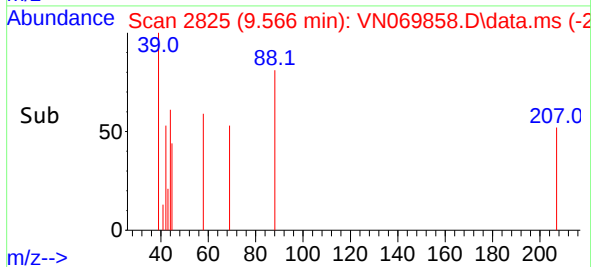
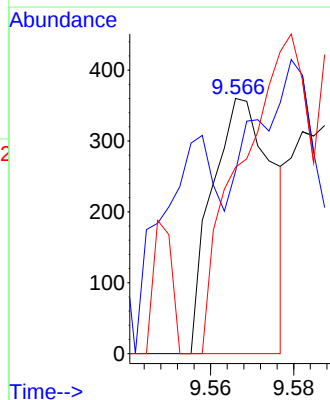
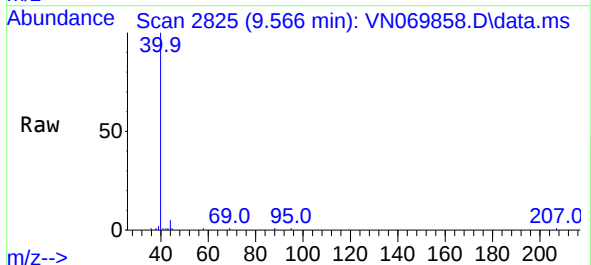
Instrument :
MSVOA_N
ClientSampleId :
RE114D1-20211206DL

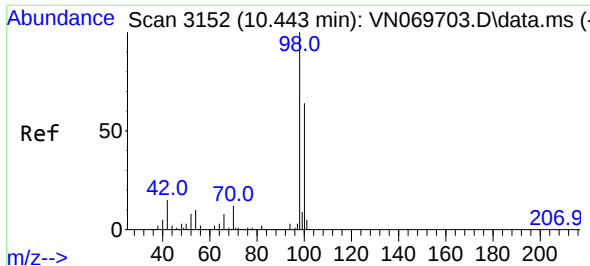
Tgt Ion:130 Resp: 892288
Ion Ratio Lower Upper
130 100
95 104.0 0.0 191.2



#49
1,4-Dioxane
Concen: 0.864 ug/l
RT: 9.566 min Scan# 2825
Delta R.T. -0.005 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

Tgt Ion: 88 Resp: 364
Ion Ratio Lower Upper
88 100
43 81.6 23.4 35.2#
58 15.7 50.6 75.8#

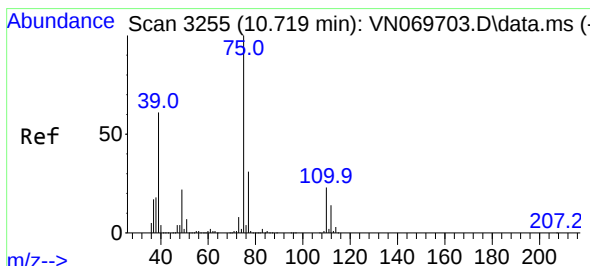
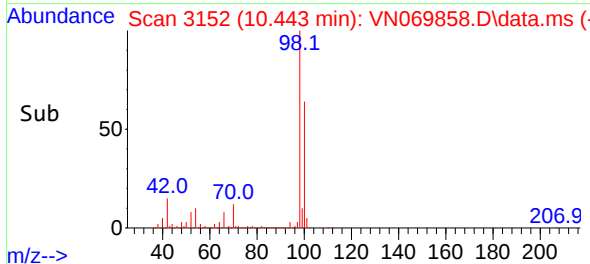
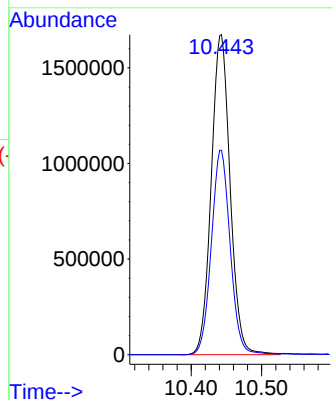
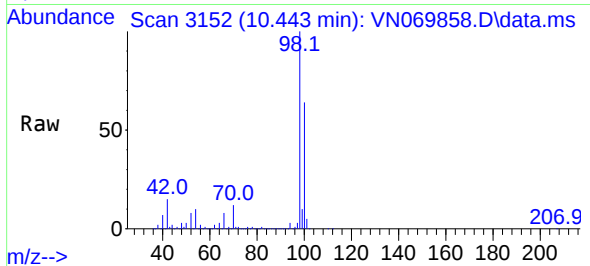




#50
Toluene-d8
Concen: 51.588 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

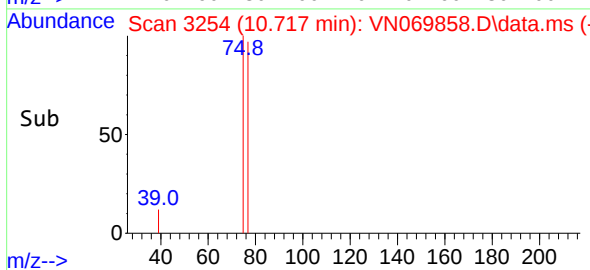
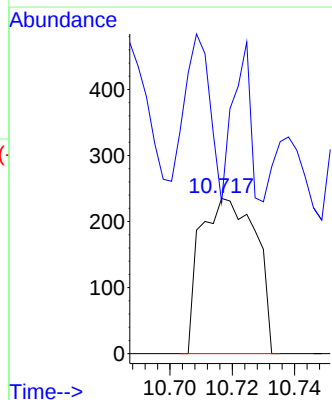
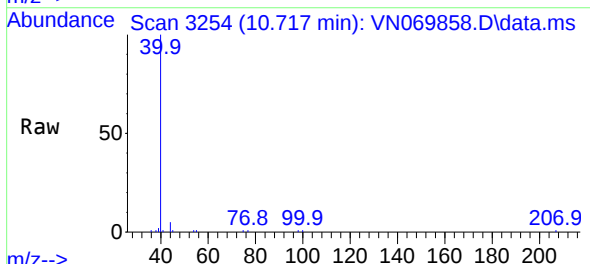
Instrument :
MSVOA_N
ClientSampleId :
RE114D1-20211206DL

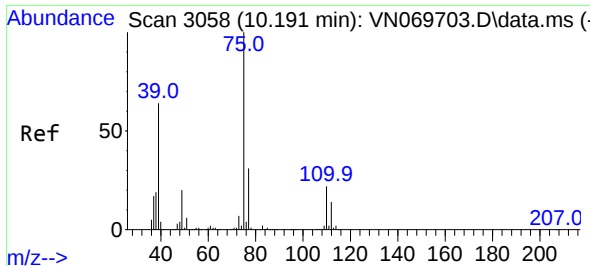
Tgt Ion: 98 Resp: 3114734
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.804 ug/l
RT: 10.717 min Scan# 3254
Delta R.T. -0.002 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

Tgt Ion: 75 Resp: 291
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#

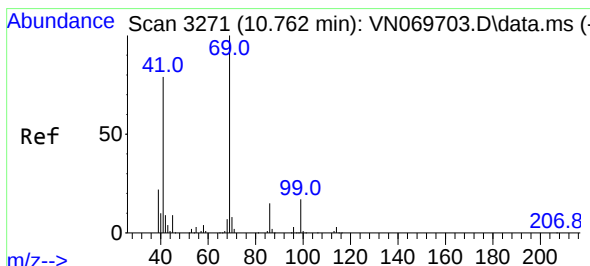
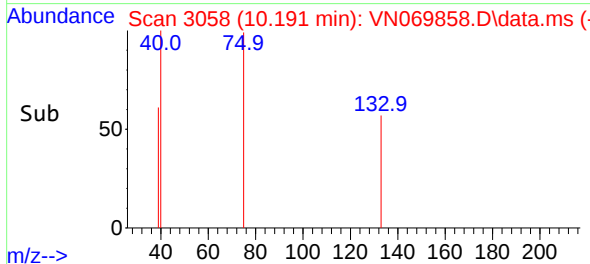
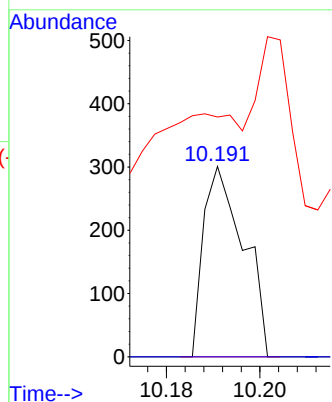
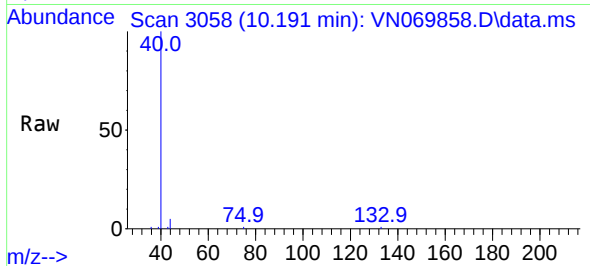




#54
cis-1,3-Dichloropropene
Concen: 2.005 ug/l
RT: 10.191 min Scan# 3058
Delta R.T. -0.000 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

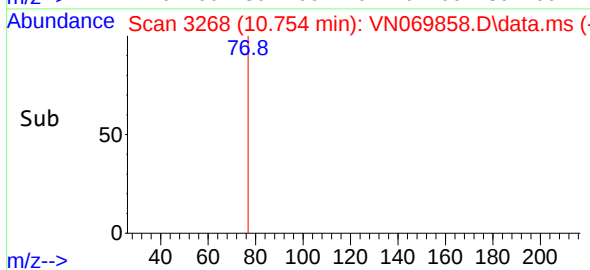
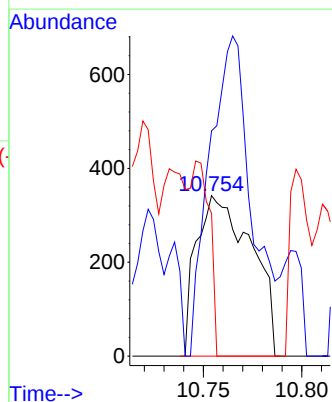
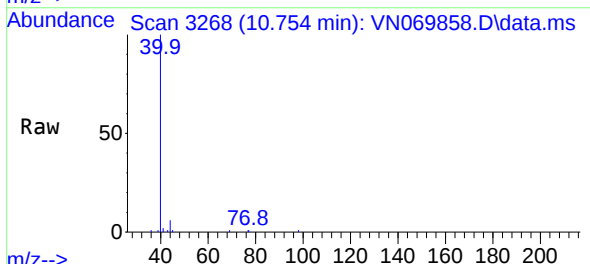
Instrument :
MSVOA_N
ClientSampleId :
RE114D1-20211206DL

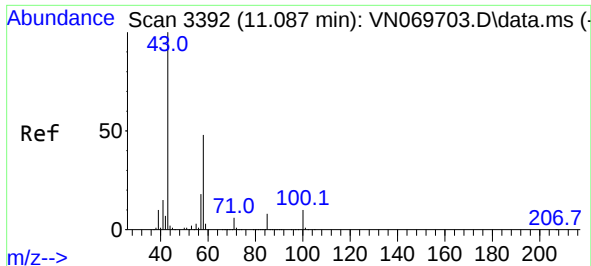
Tgt Ion:	75	Resp:	179
Ion	Ratio	Lower	Upper
75	100		
77	0.0	26.4	39.6#
39	3.0	42.5	63.7#



#56
Ethyl methacrylate
Concen: 2.299 ug/l
RT: 10.754 min Scan# 3268
Delta R.T. -0.008 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

Tgt Ion:	69	Resp:	665
Ion	Ratio	Lower	Upper
69	100		
41	151.6	51.4	77.0#
39	0.0	34.6	52.0#

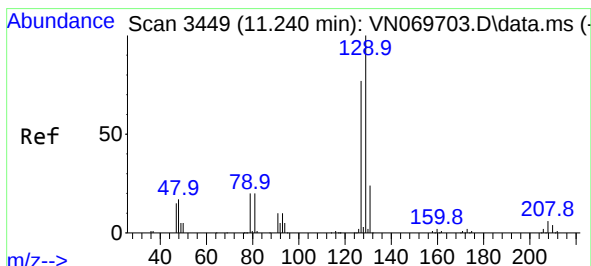
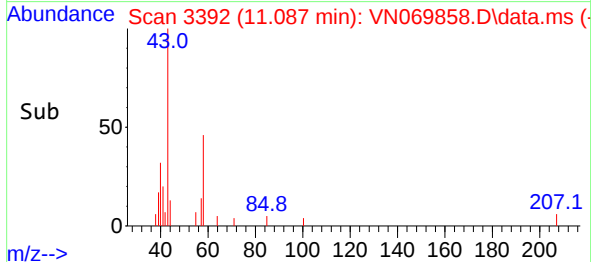
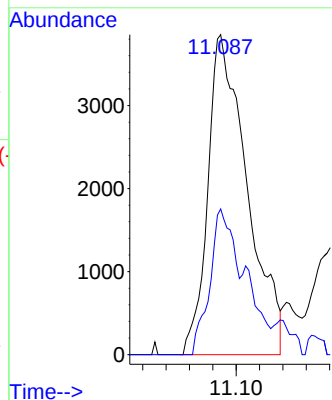
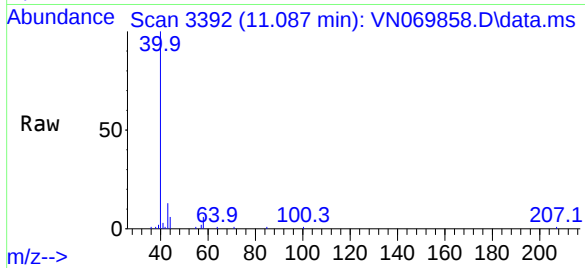




#59
2-Hexanone
Concen: 0.365 ug/l
RT: 11.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

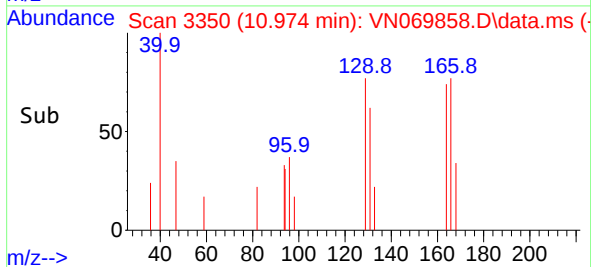
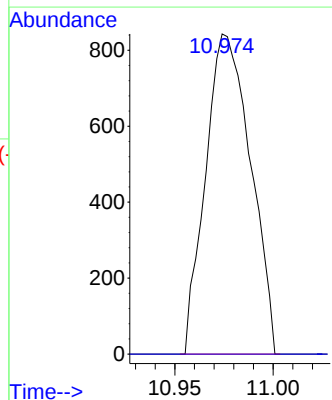
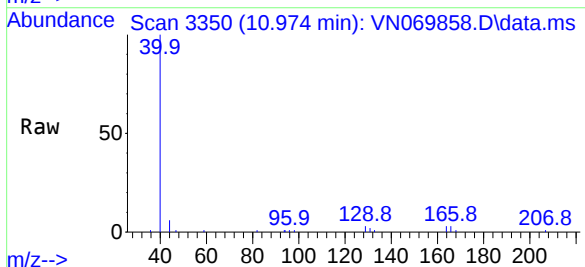
Instrument :
MSVOA_N
ClientSampleId :
RE114D1-20211206DL

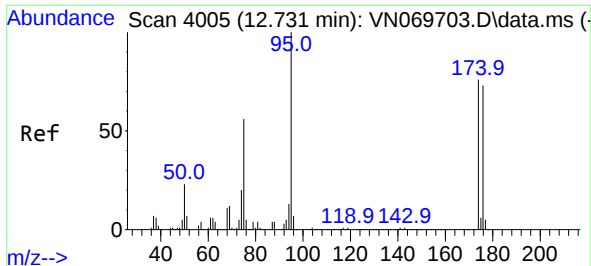
Tgt Ion: 43 Resp: 9005
Ion Ratio Lower Upper
43 100
58 28.6 26.9 80.7



#60
Dibromochloromethane
Concen: 2.445 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. -0.266 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

Tgt Ion: 129 Resp: 1340
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

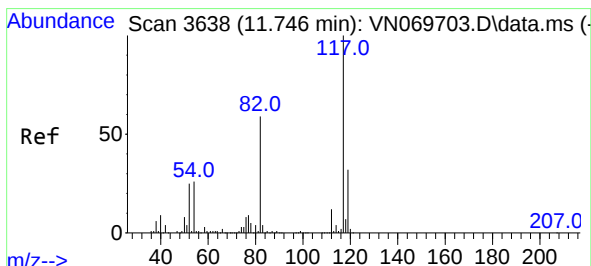
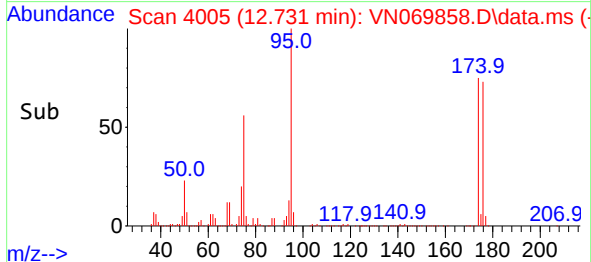
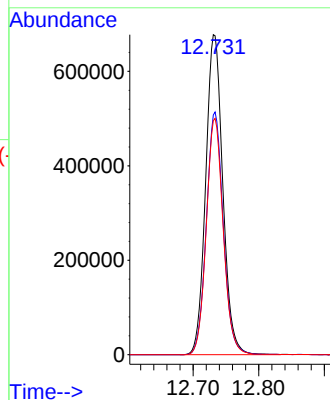
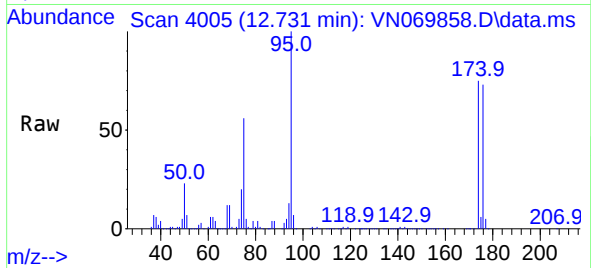




#62
4-Bromofluorobenzene
Concen: 56.124 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

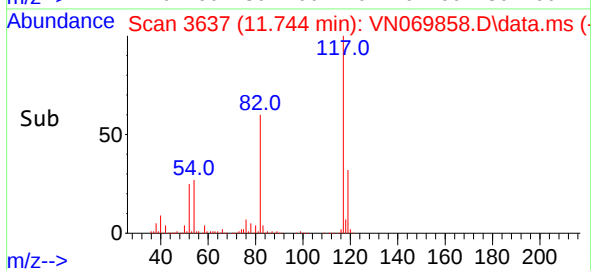
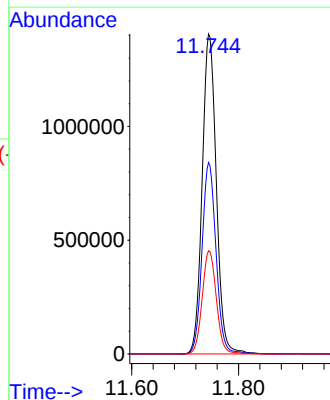
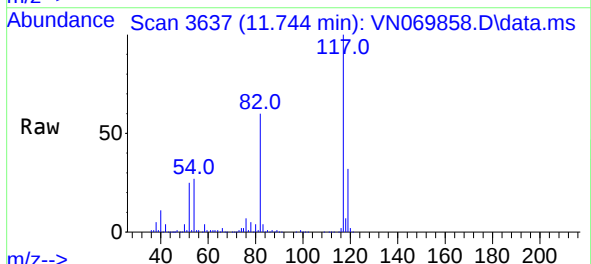
Instrument :
MSVOA_N
ClientSampleId :
RE114D1-20211206DL

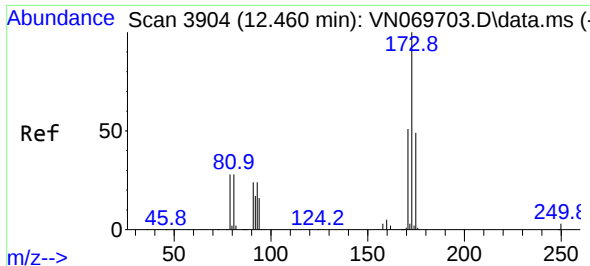
Tgt Ion: 95 Resp: 1227632
Ion Ratio Lower Upper
95 100
174 75.2 0.0 187.2
176 73.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

Tgt Ion: 117 Resp: 2579177
Ion Ratio Lower Upper
117 100
82 59.9 42.4 63.6
119 32.3 25.4 38.2

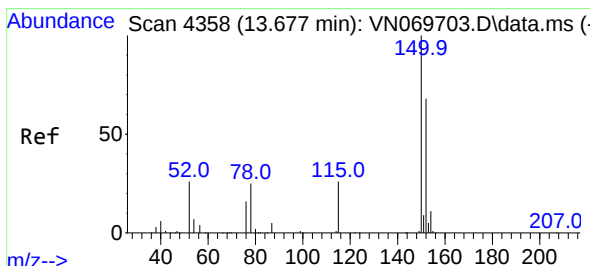
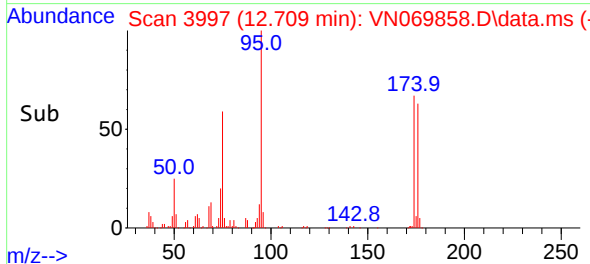
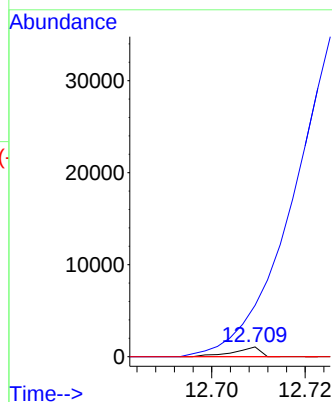
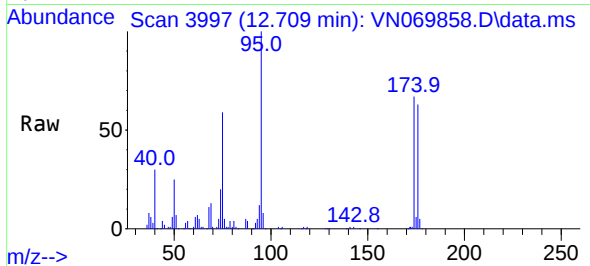




#71
Bromoform
Concen: 2.756 ug/l
RT: 12.709 min Scan# 3997
Delta R.T. 0.249 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

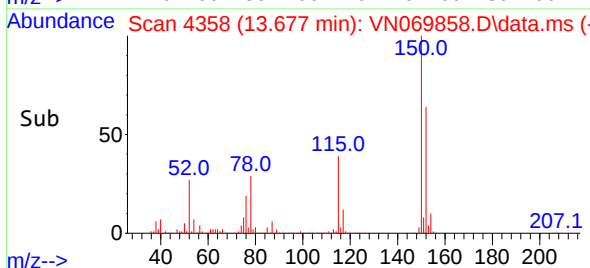
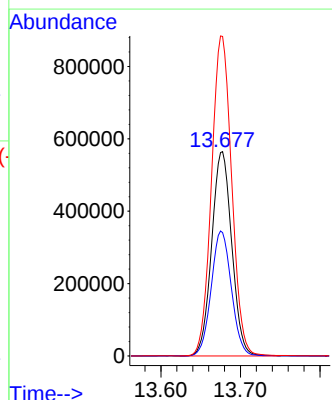
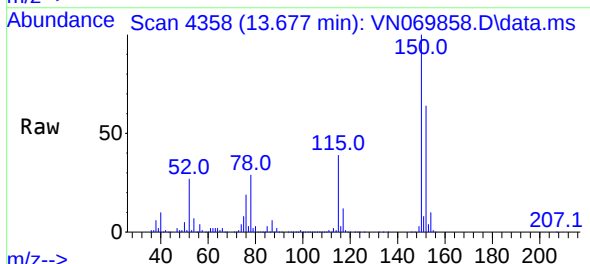
Instrument :
MSVOA_N
ClientSampleId :
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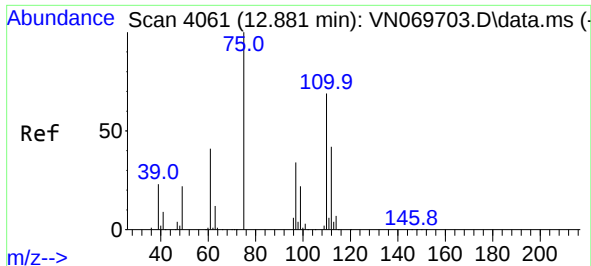
Tgt Ion:173 Resp: 412
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

Tgt Ion:152 Resp: 991992
Ion Ratio Lower Upper
152 100
115 61.2 27.5 82.5
150 157.2 0.0 344.4

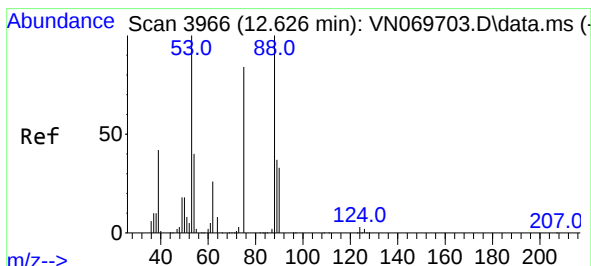
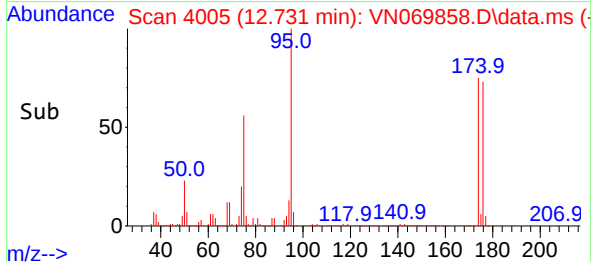
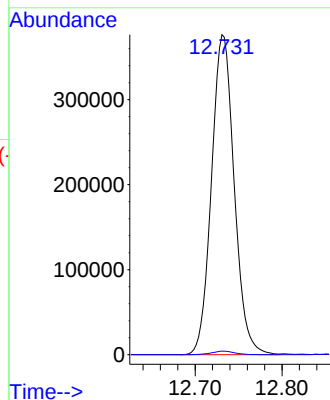
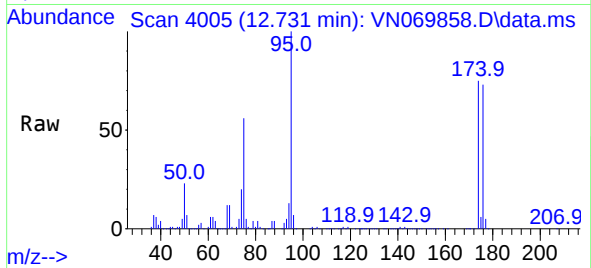




#76
1,2,3-Trichloropropane
Concen: 24.005 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

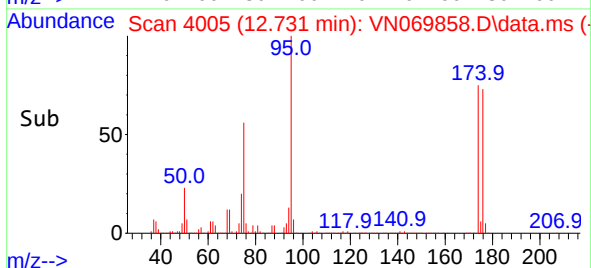
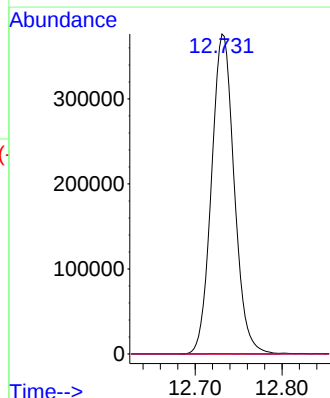
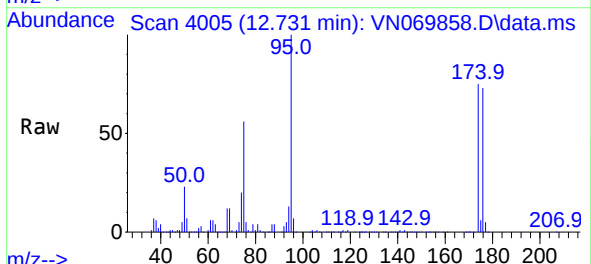
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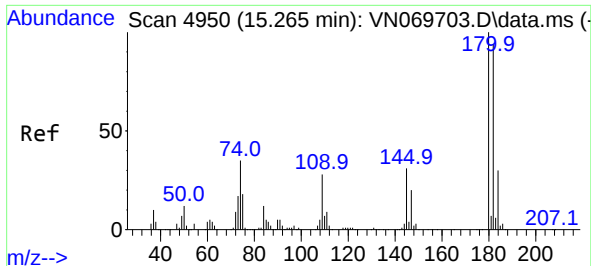
Tgt Ion: 75 Resp: 682888
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.245 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

Tgt Ion: 75 Resp: 682888
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

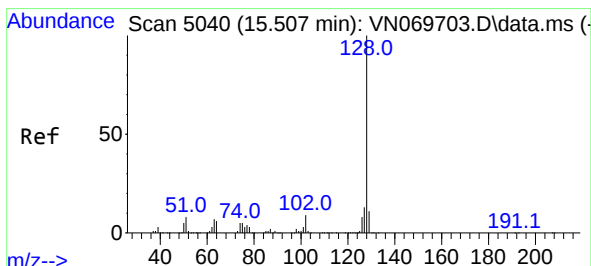
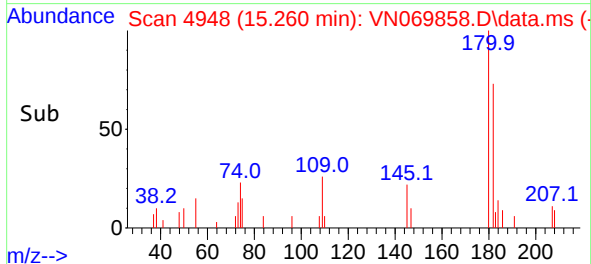
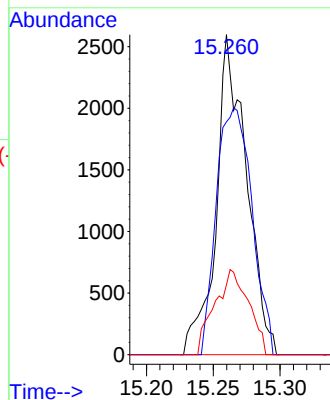
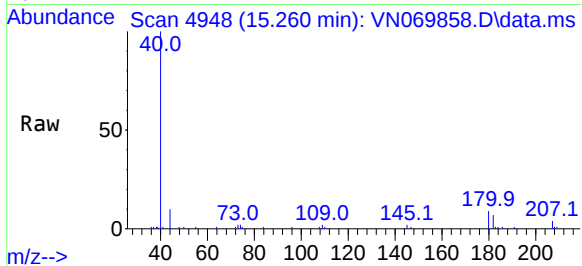




#93
1,2,4-Trichlorobenzene
Concen: 3.115 ug/l
RT: 15.260 min Scan# 4950
Delta R.T. -0.005 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

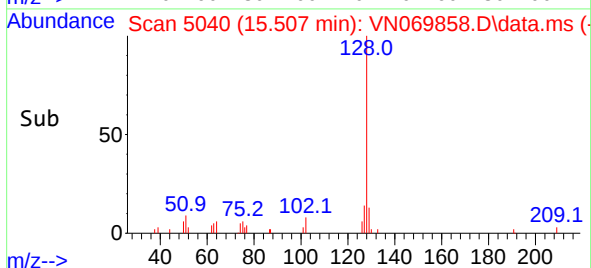
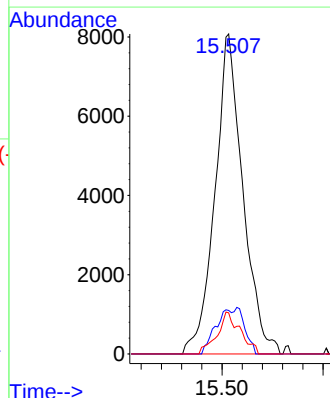
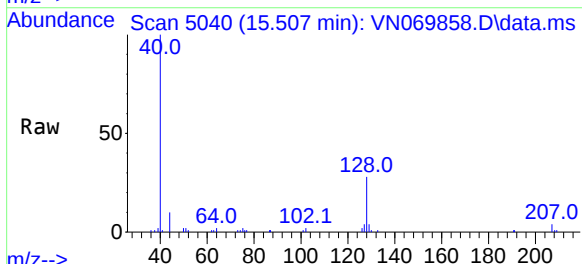
Instrument :
MSVOA_N
ClientSampleId :
RE114D1-20211206DL

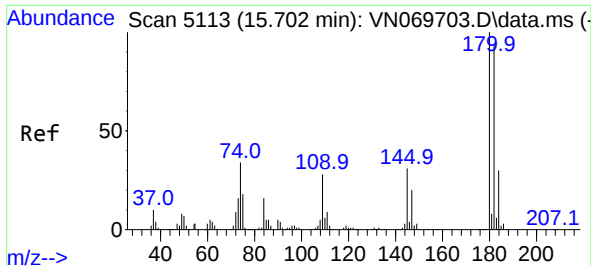
Tgt Ion:180 Resp: 4086
Ion Ratio Lower Upper
180 100
182 91.1 48.3 144.9
145 29.7 14.5 43.5



#95
Naphthalene
Concen: 4.279 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069858.D
Acq: 8 Dec 2021 13:56

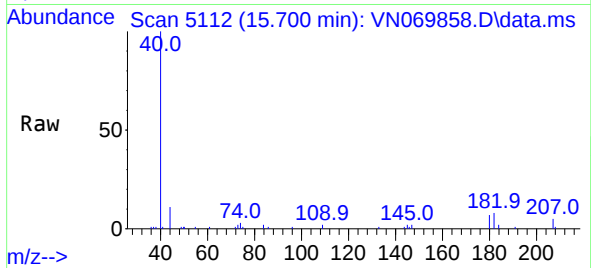
Tgt Ion:128 Resp: 15471
Ion Ratio Lower Upper
128 100
127 8.4 10.5 15.7#
129 10.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.679 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.002 min
 Lab File: VN069858.D
 Acq: 8 Dec 2021 13:56

Instrument :
 MSVOA_N
 ClientSampleId :
 RE114D1-20211206DL



Tgt Ion:	180	Resp:	4051
Ion	Ratio	Lower	Upper
180	100		
182	99.4	47.4	142.2
145	31.4	15.0	45.1

