

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069817.D
 Acq On : 7 Dec 2021 16:15
 Operator : JC/MD
 Sample : M4956-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D2-20211204

Quant Time: Dec 08 04:36:45 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)

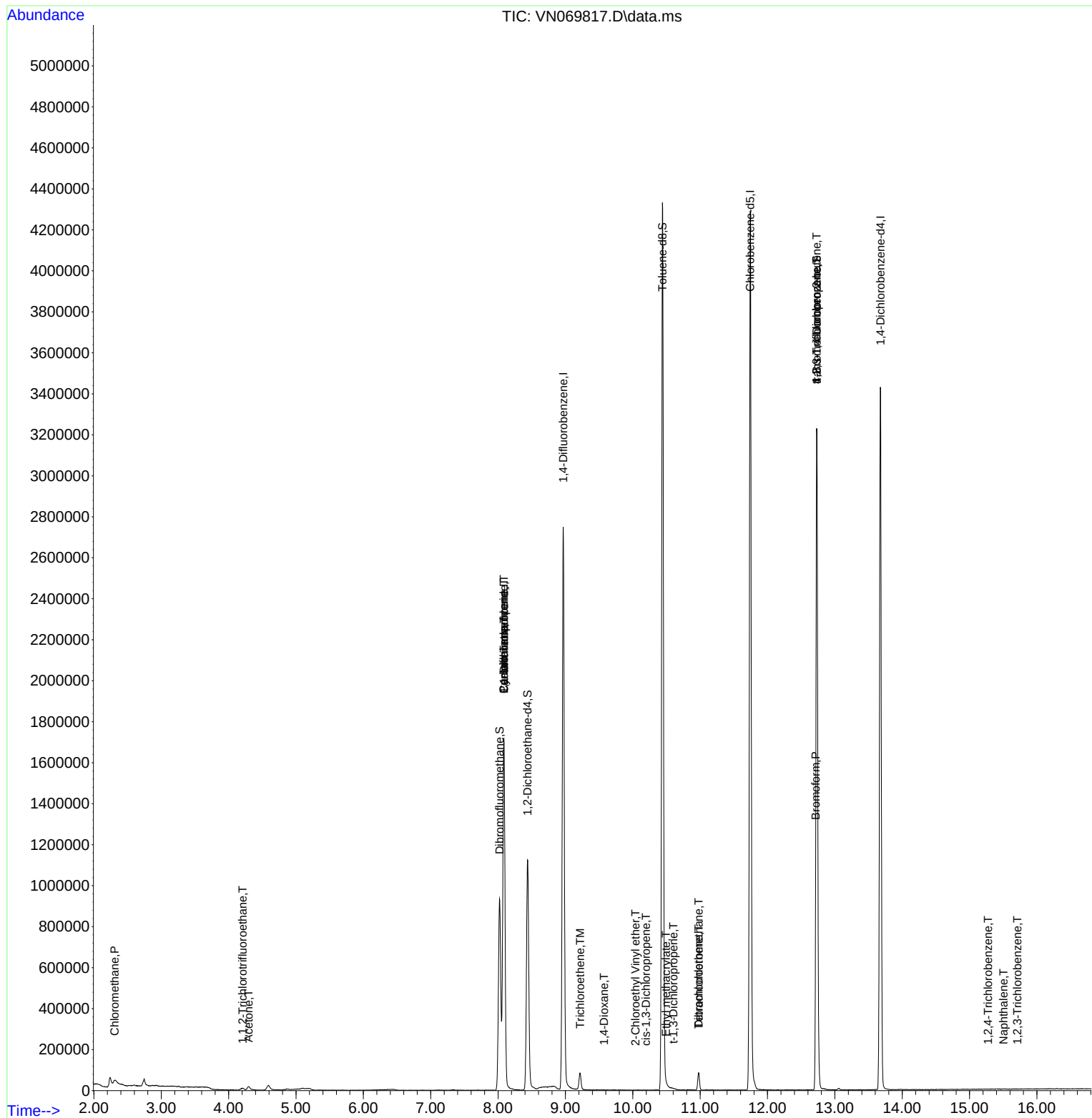
Internal Standards						
1) Pentafluorobenzene	8.086	168	1293562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2297457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2430642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	923851	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	984302	49.28	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.56%		
35) Dibromofluoromethane	8.021	113	683501	47.50	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.00%		
50) Toluene-d8	10.440	98	2957252	51.18	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.36%		
62) 4-Bromofluorobenzene	12.731	95	1138463	54.38	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	108.76%		
Target Compounds						Qvalue
3) Chloromethane	2.306	50	4025	0.21	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.207	101	3476	0.27	ug/l #	63
16) Acetone	4.296	43	30127	2.51	ug/l	92
31) Cyclohexane	8.086	56	33401	1.20	ug/l #	24
36) 1,1-Dichloropropene	8.086	75	107536	4.92	ug/l #	49
38) Carbon Tetrachloride	8.086	117	133072	6.20	ug/l #	16
44) Trichloroethene	9.217	130	27033	1.69	ug/l	84
49) 1,4-Dioxane	9.574	88	415	1.03	ug/l #	64
53) t-1,3-Dichloropropene	10.601	75	57	2.80	ug/l #	43
54) cis-1,3-Dichloropropene	10.196	75	25	2.00	ug/l #	32
56) Ethyl methacrylate	10.494	69	78	2.28	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.038	63	114	18.40	ug/l #	45
60) Dibromochloromethane	10.977	129	18481	3.37	ug/l #	11
64) Tetrachloroethene	10.979	164	19142	1.16	ug/l	95
71) Bromoform	12.715	173	937	2.79	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	640947	24.19	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	640947	76.81	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.273	180	25	2.88	ug/l #	1
95) Naphthalene	15.504	128	1298	4.01	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.710	180	105	2.44	ug/l #	65

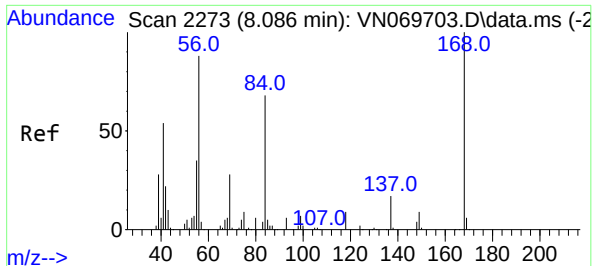
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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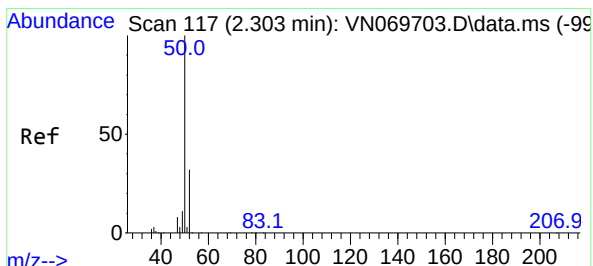
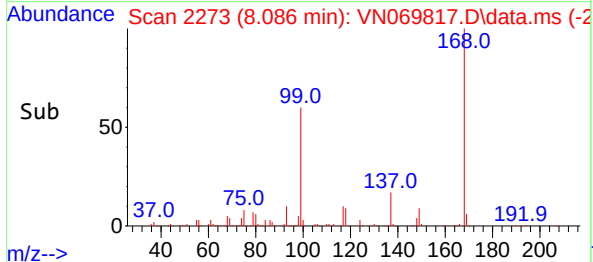
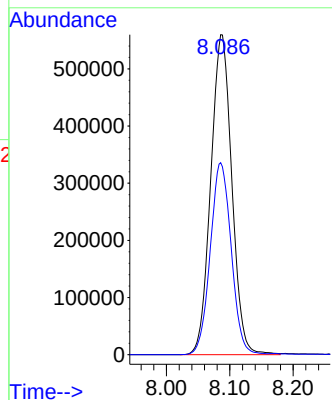
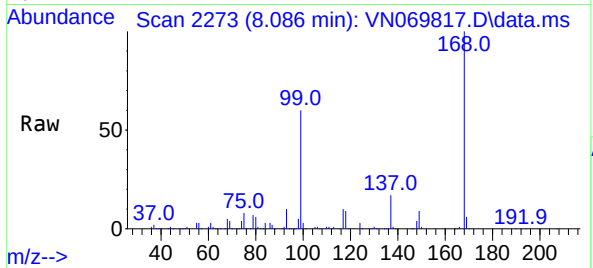




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

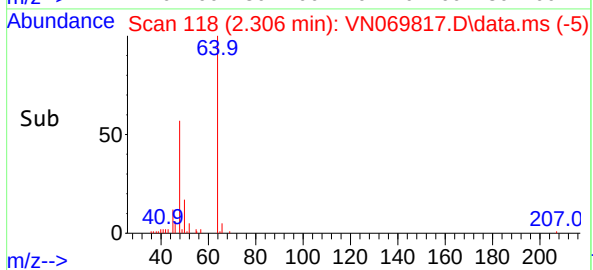
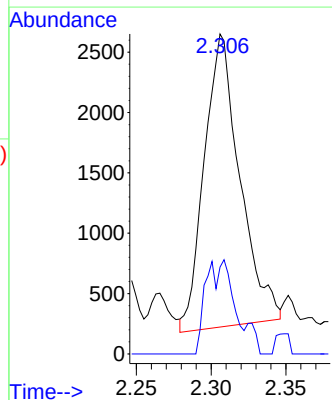
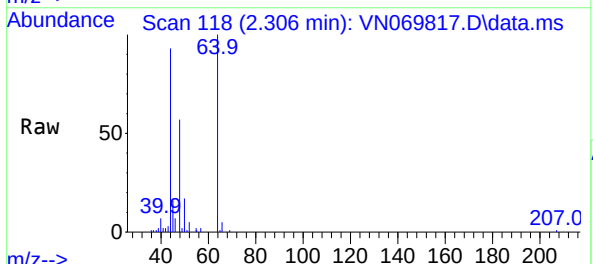
Instrument :
MSVOA_N
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RE123D2-20211204

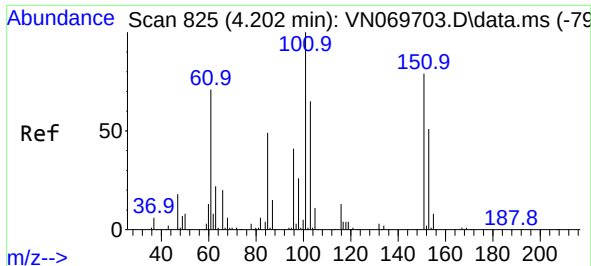
Tgt Ion:168 Resp: 1293562
Ion Ratio Lower Upper
168 100
99 60.0 41.3 61.9



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

Tgt Ion: 50 Resp: 4025
Ion Ratio Lower Upper
50 100
52 30.4 25.4 38.0

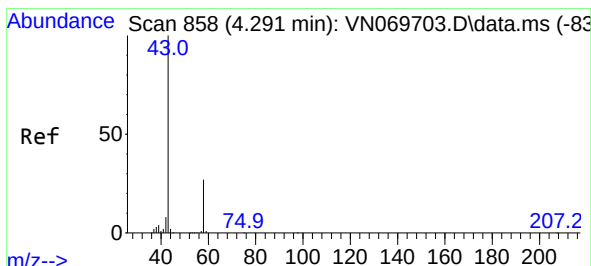
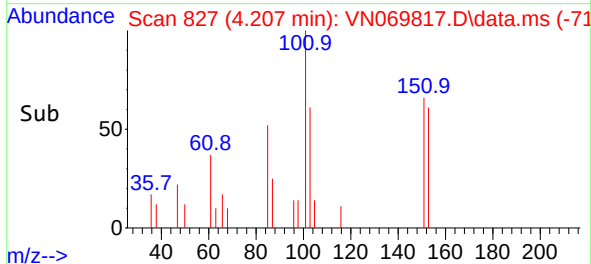
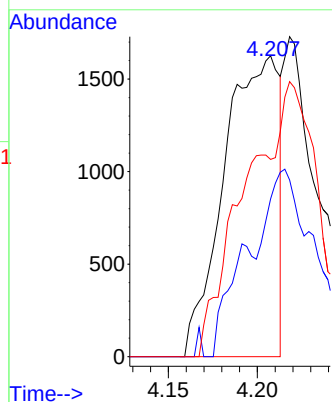
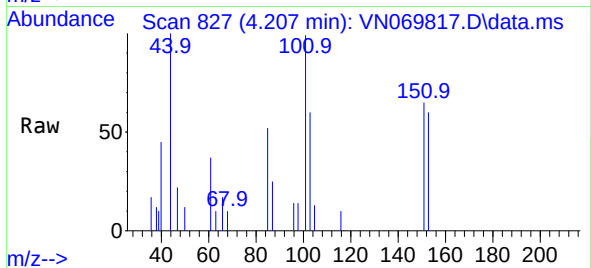




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.27 ug/l
RT: 4.207 min Scan# 81
Delta R.T. 0.005 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

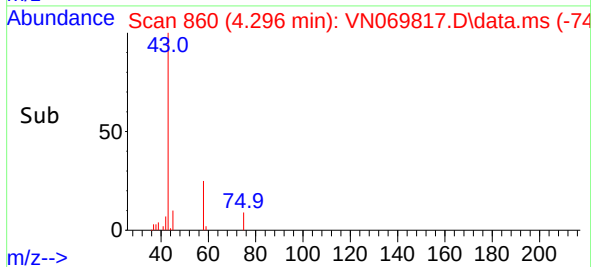
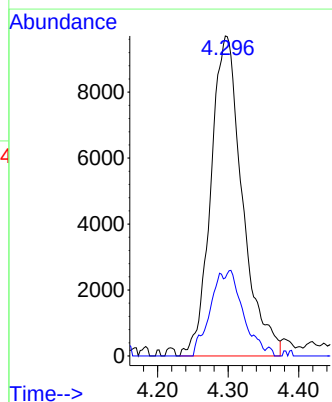
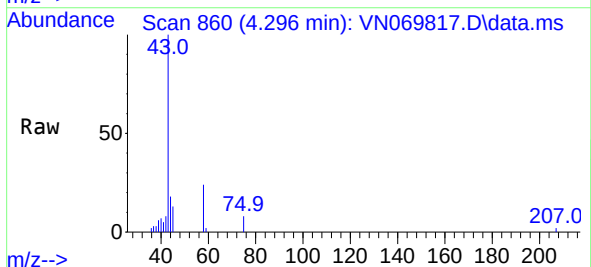
Instrument :
MSVOA_N
ClientSampleId :
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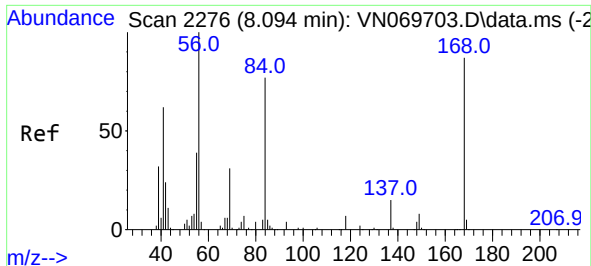
Tgt Ion:101 Resp: 3476
Ion Ratio Lower Upper
101 100
85 19.0 37.2 55.8#
151 51.7 65.9 98.9#



#16
Acetone
Concen: 2.51 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

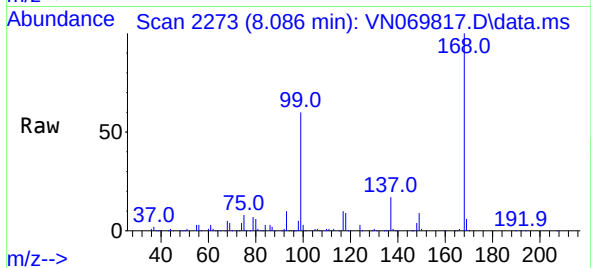
Tgt Ion: 43 Resp: 30127
Ion Ratio Lower Upper
43 100
58 24.4 23.1 34.7



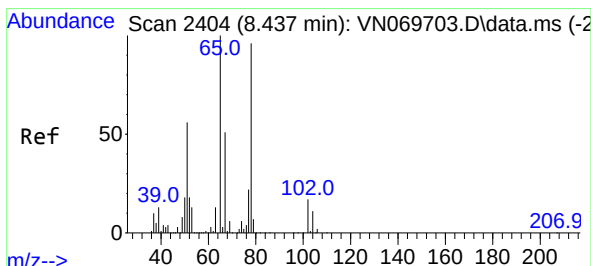
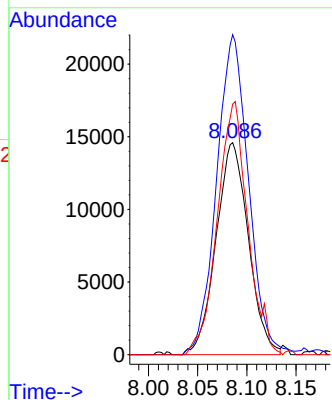
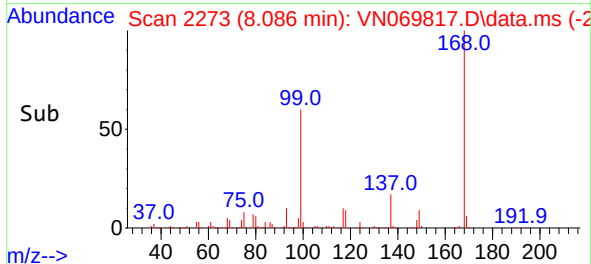


#31
Cyclohexane
Concen: 1.20 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

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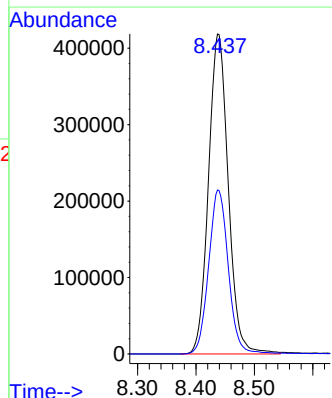
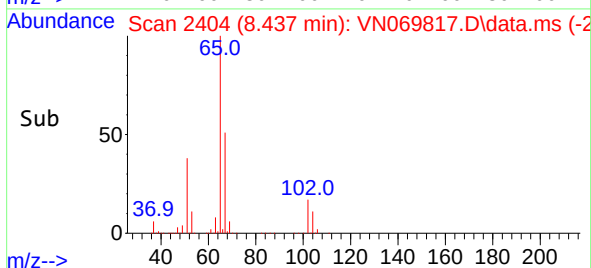
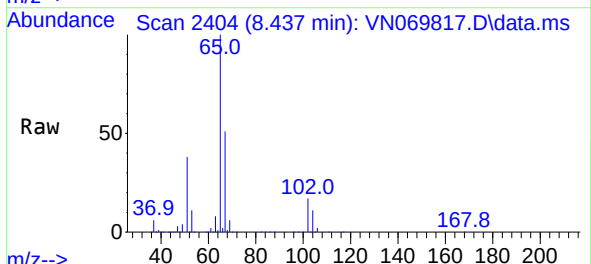


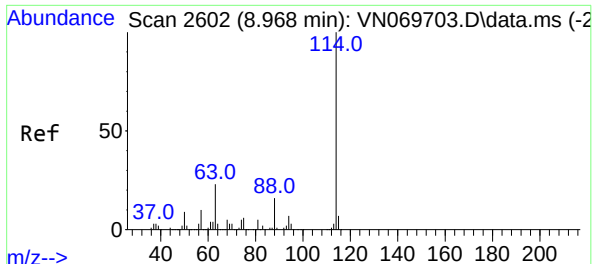
Tgt Ion: 56 Resp: 33401
Ion Ratio Lower Upper
56 100
69 150.9 27.1 40.7#
84 118.2 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 49.28 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

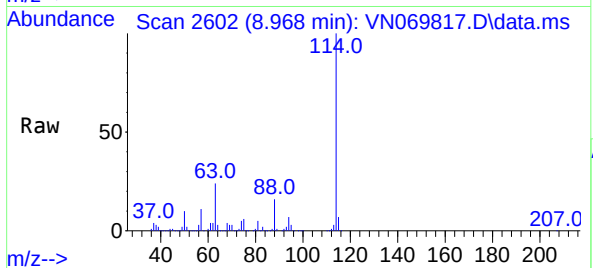
Tgt Ion: 65 Resp: 984302
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0





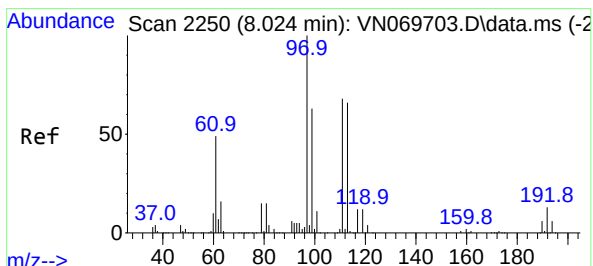
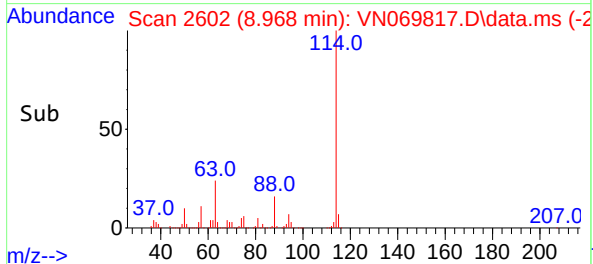
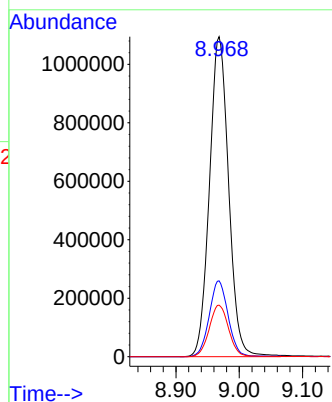
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.968 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

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Tgt Ion:114 Resp: 2297457

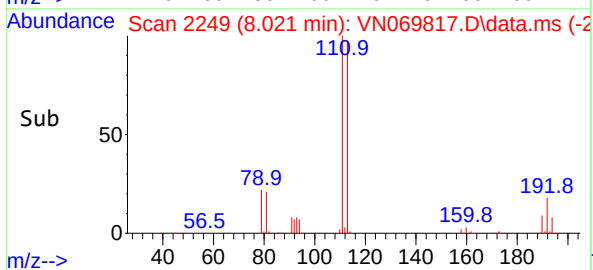
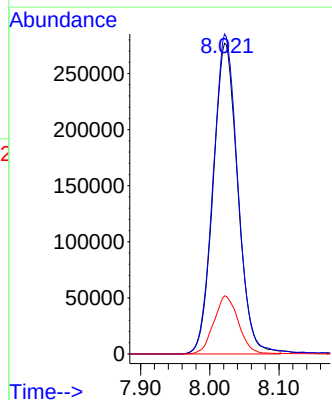
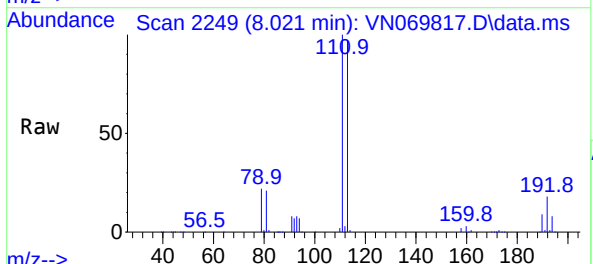
Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	37.8
88	16.1	0.0	27.4

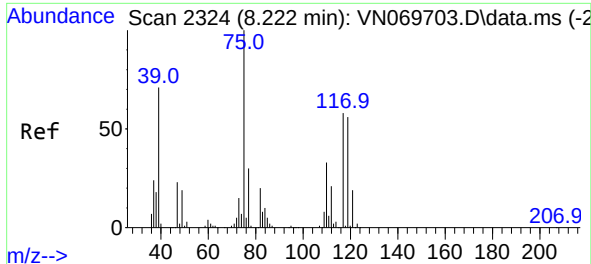


#35
Dibromofluoromethane
Concen: 47.50 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

Tgt Ion:113 Resp: 683501

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.2	123.2
192	18.7	16.9	25.3

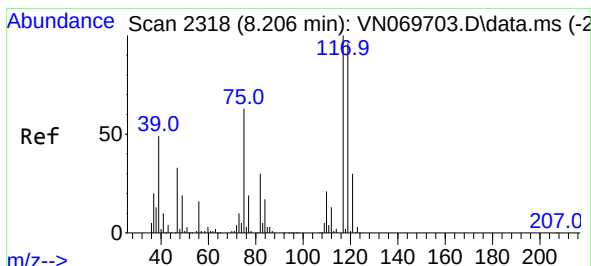
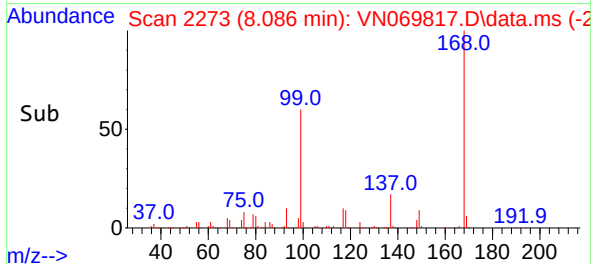
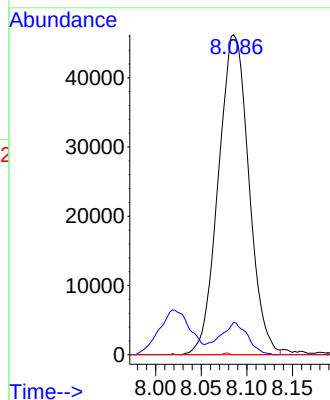
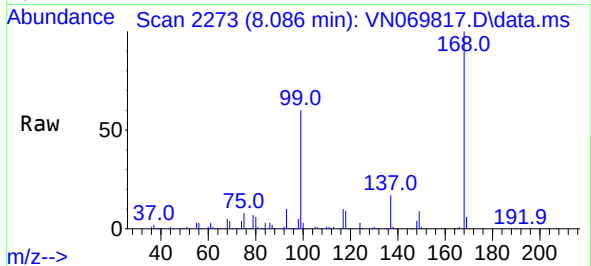




#36
1,1-Dichloropropene
Concen: 4.92 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

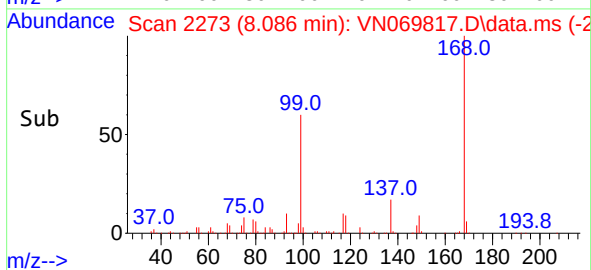
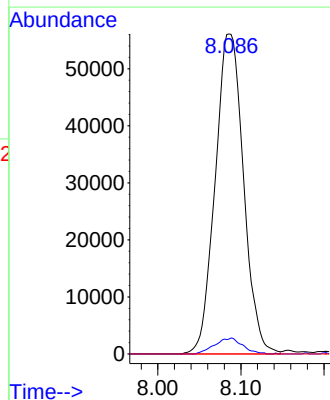
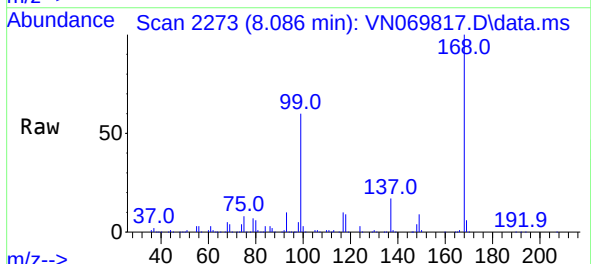
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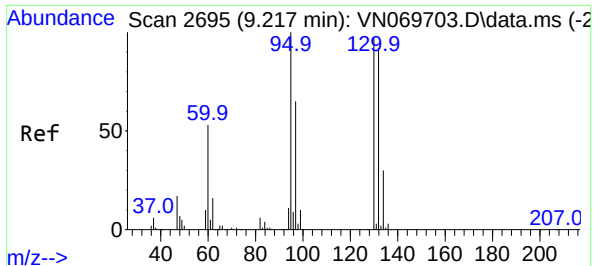
Tgt Ion: 75 Resp: 107536
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.1 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.20 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

Tgt Ion: 117 Resp: 133072
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#

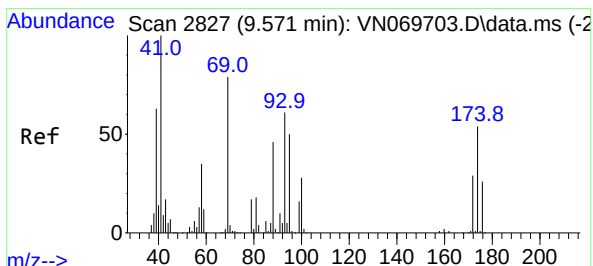
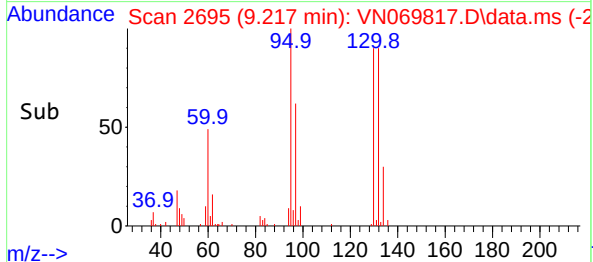
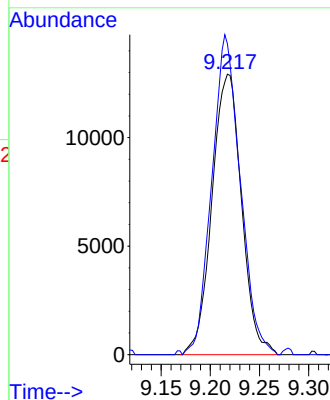
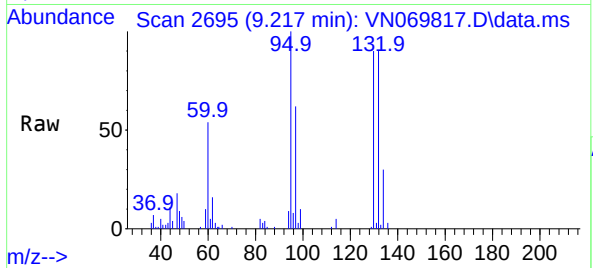




#44
Trichloroethene
Concen: 1.69 ug/l
RT: 9.217 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

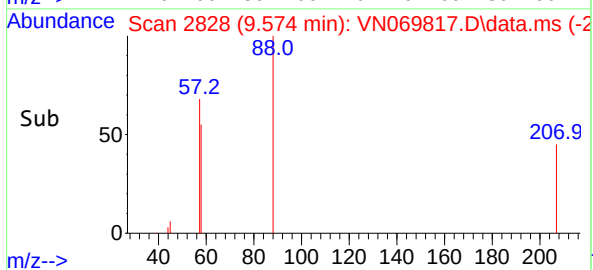
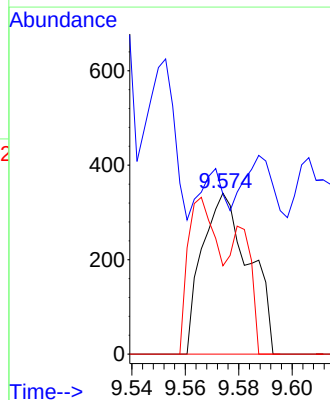
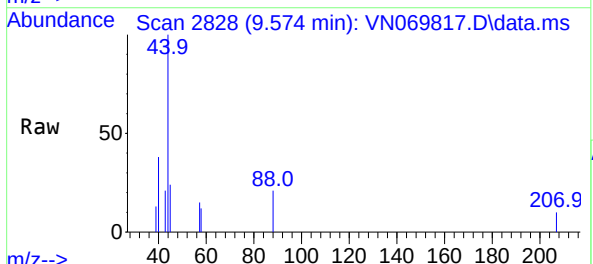
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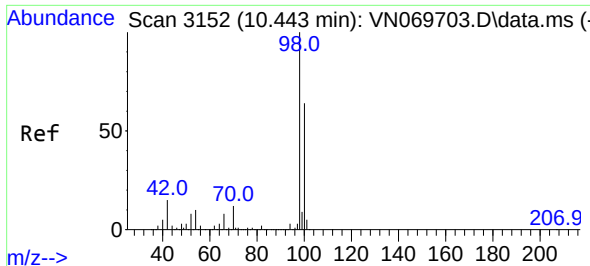
Tgt Ion:130 Resp: 27033
Ion Ratio Lower Upper
130 100
95 110.8 0.0 191.2



#49
1,4-Dioxane
Concen: 1.03 ug/l
RT: 9.574 min Scan# 2828
Delta R.T. 0.003 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

Tgt Ion: 88 Resp: 415
Ion Ratio Lower Upper
88 100
43 20.0 23.4 35.2#
58 28.4 50.6 75.8#

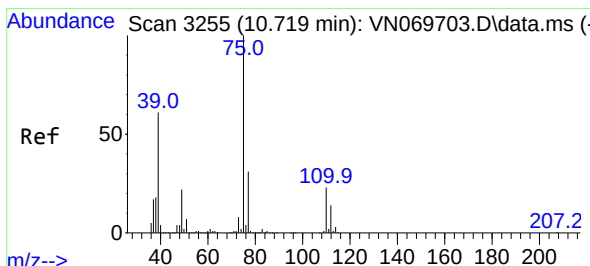
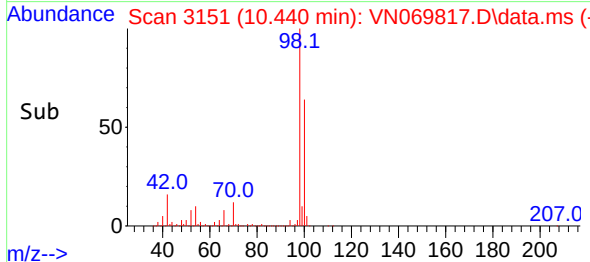
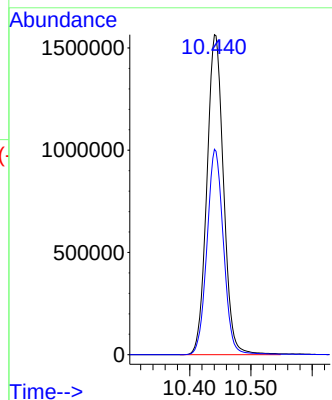
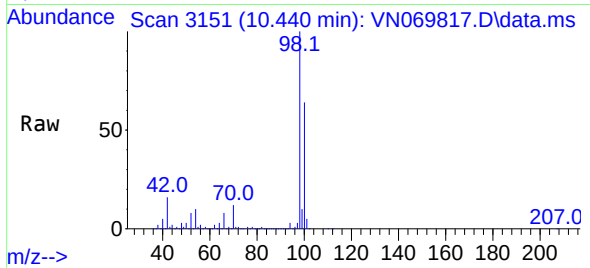




#50
Toluene-d8
Concen: 51.18 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

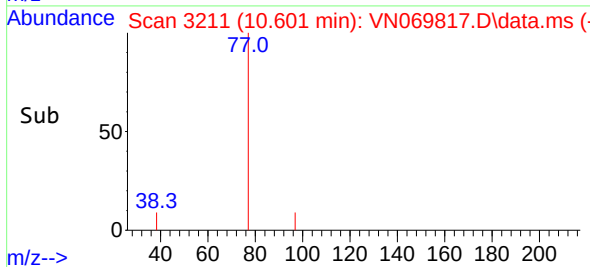
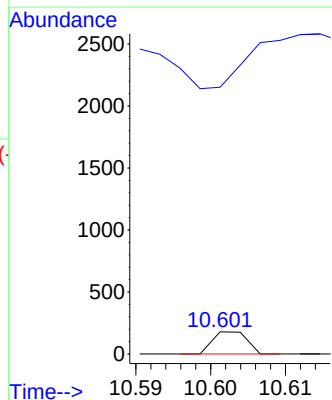
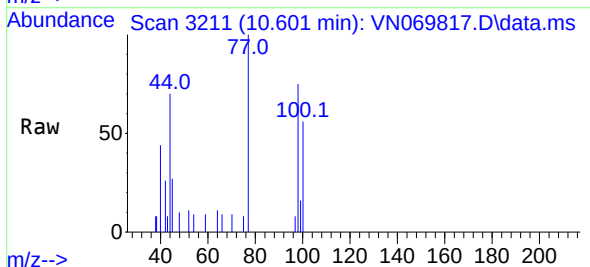
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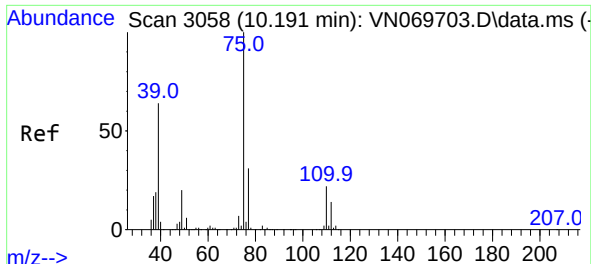
Tgt Ion: 98 Resp: 2957252
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.80 ug/l
RT: 10.601 min Scan# 3211
Delta R.T. -0.118 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

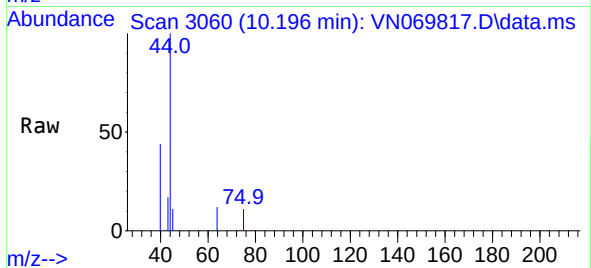
Tgt Ion: 75 Resp: 57
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



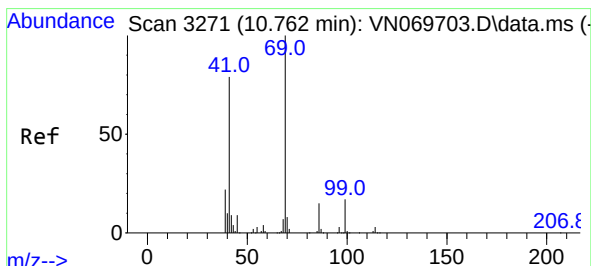
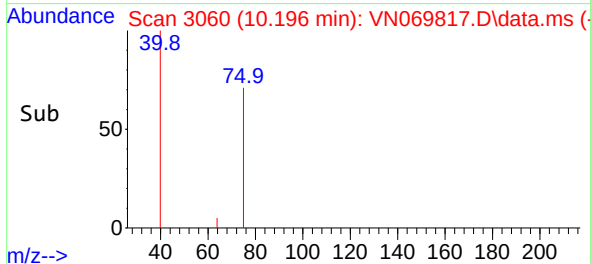
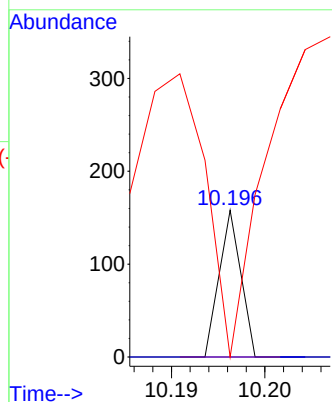


#54
cis-1,3-Dichloropropene
Concen: 2.00 ug/l
RT: 10.196 min Scan# 3058
Delta R.T. 0.005 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

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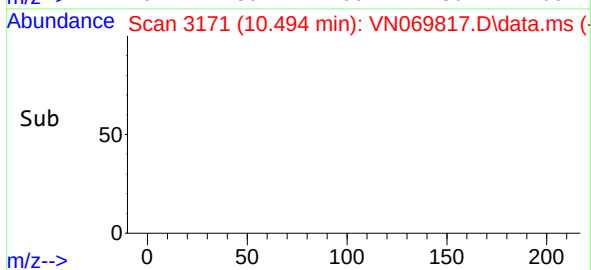
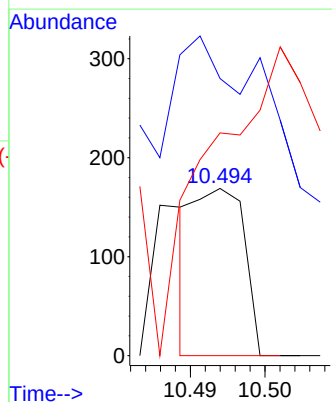
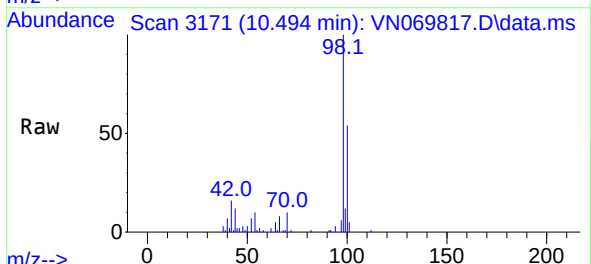


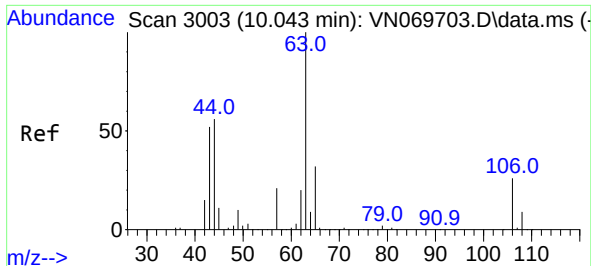
Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 0.0 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.28 ug/l
RT: 10.494 min Scan# 3171
Delta R.T. -0.268 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

Tgt Ion: 69 Resp: 78
Ion Ratio Lower Upper
69 100
41 164.1 51.4 77.0#
39 0.0 34.6 52.0#

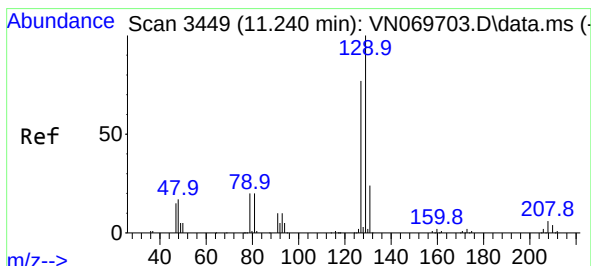
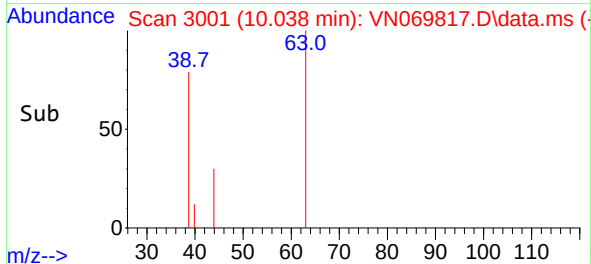
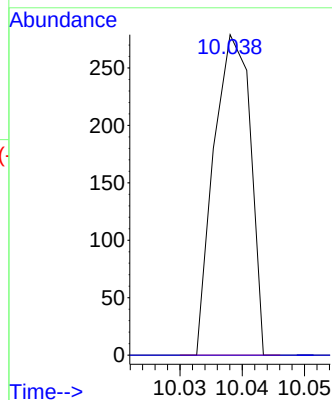
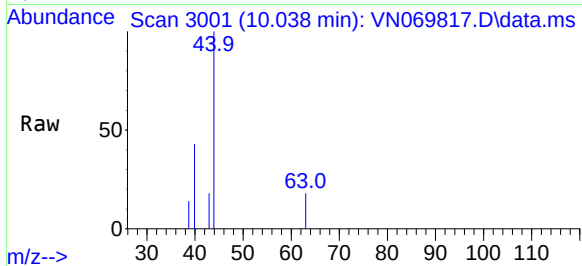




#58
2-Chloroethyl Vinyl ether
Concen: 18.40 ug/l
RT: 10.038 min Scan# 3003
Delta R.T. -0.005 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

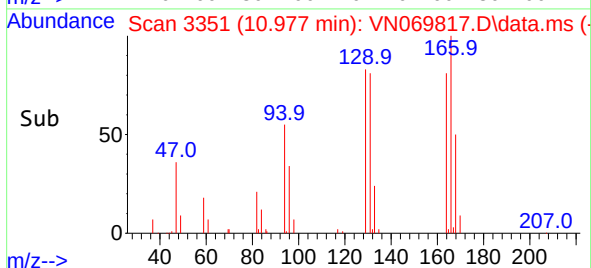
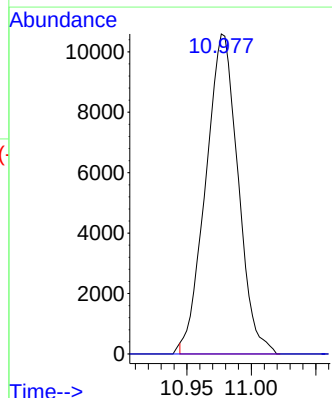
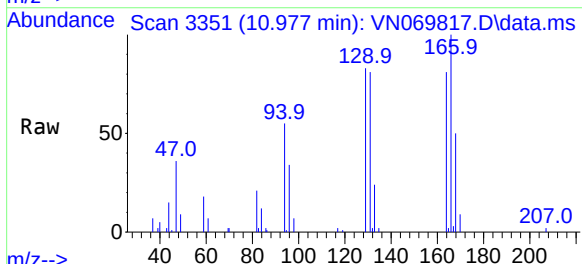
Instrument :
MSVOA_N
ClientSampleId :
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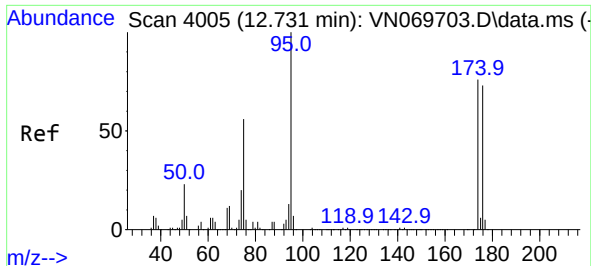
Tgt Ion: 63 Resp: 114
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 3.37 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

Tgt Ion: 129 Resp: 18481
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

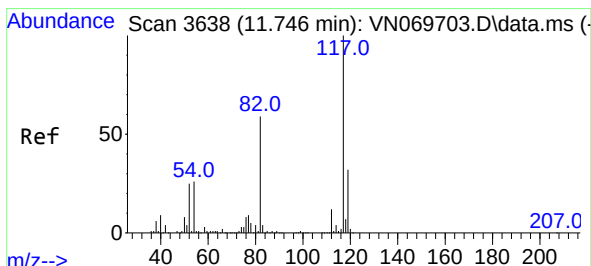
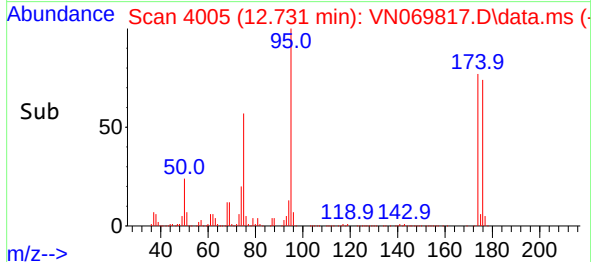
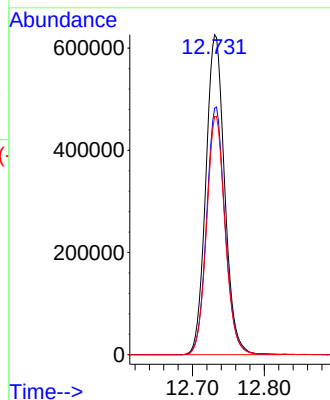
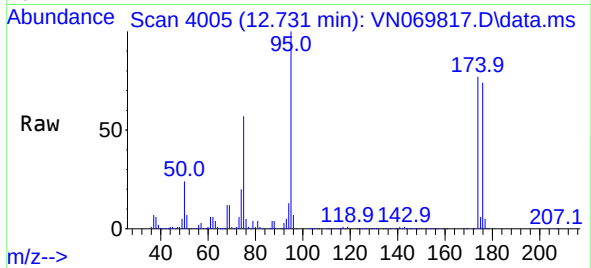




#62
4-Bromofluorobenzene
Concen: 54.38 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

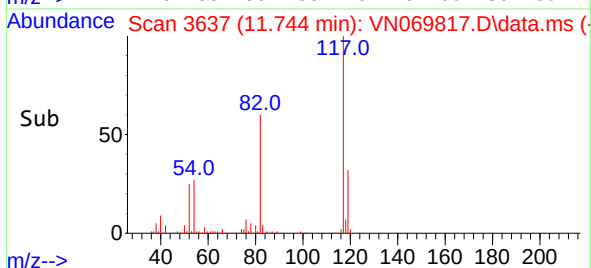
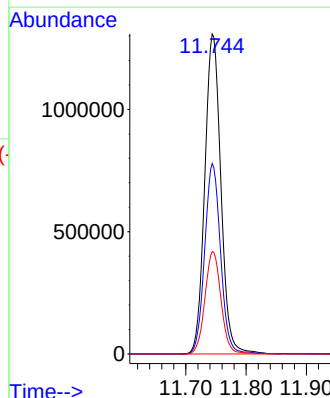
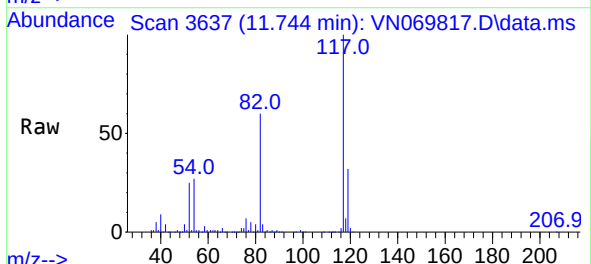
Instrument :
MSVOA_N
ClientSampleId :
RE123D2-20211204

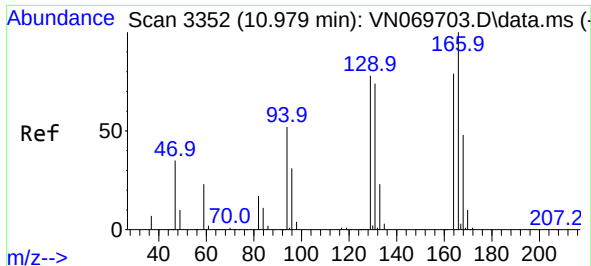
Tgt Ion: 95 Resp: 1138463
Ion Ratio Lower Upper
95 100
174 76.2 0.0 187.2
176 73.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

Tgt Ion: 117 Resp: 2430642
Ion Ratio Lower Upper
117 100
82 59.5 42.4 63.6
119 32.0 25.4 38.2



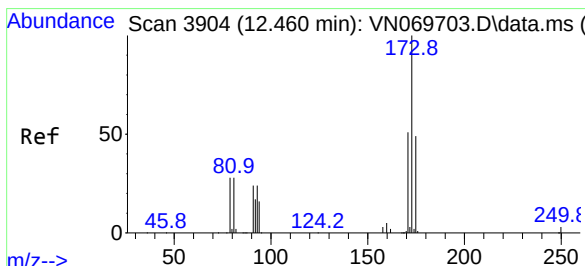
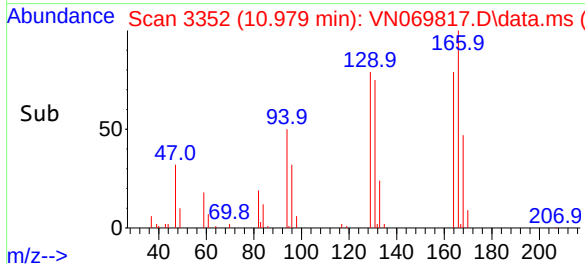
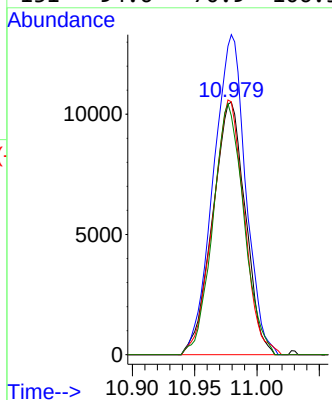
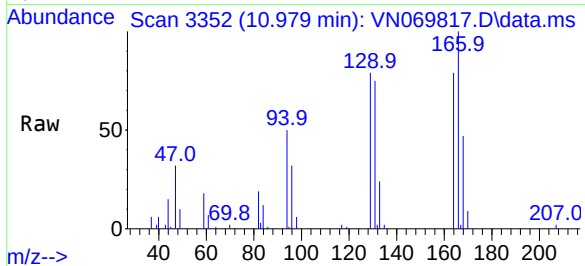


#64
Tetrachloroethene
Concen: 1.16 ug/l
RT: 10.979 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

Instrument :
MSVOA_N
ClientSampleId :
RE123D2-20211204

Tgt Ion:164 Resp: 19142

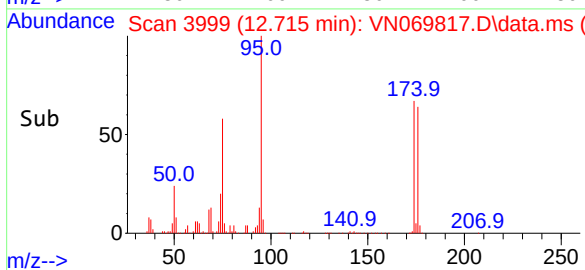
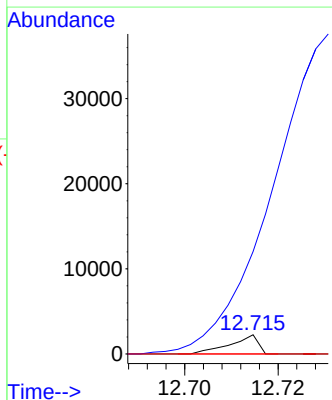
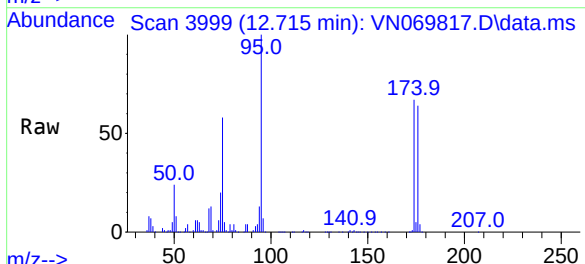
Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.9	152.9
129	100.1	72.0	108.0
131	94.6	70.9	106.3

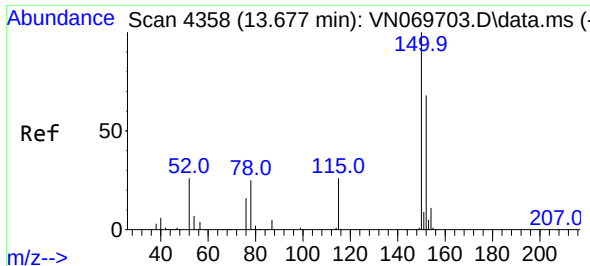


#71
Bromoform
Concen: 2.79 ug/l
RT: 12.715 min Scan# 3999
Delta R.T. 0.255 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

Tgt Ion:173 Resp: 937

Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.2	72.6#
254	0.0	0.0	0.0

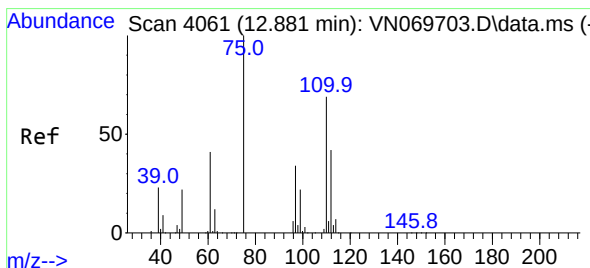
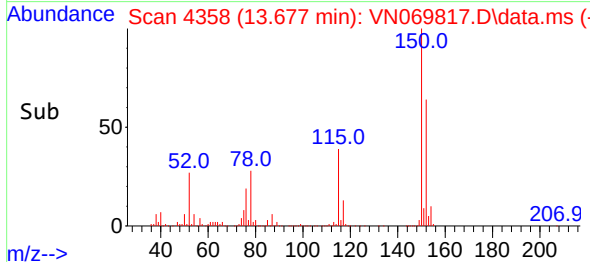
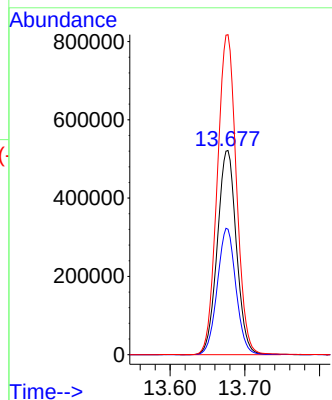
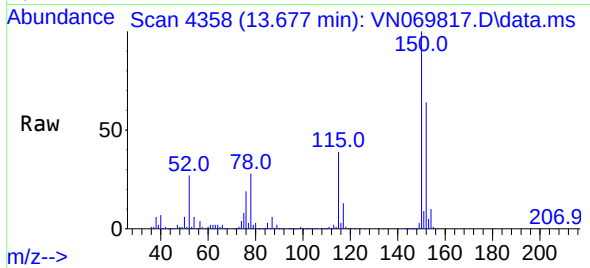




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.677 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

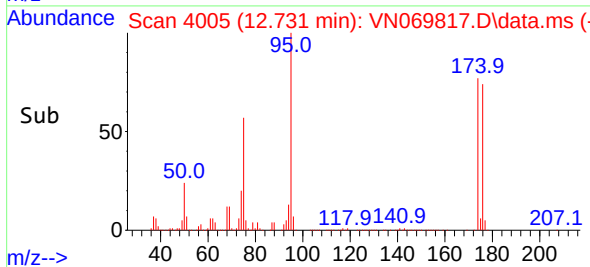
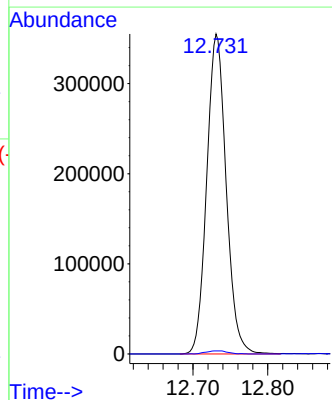
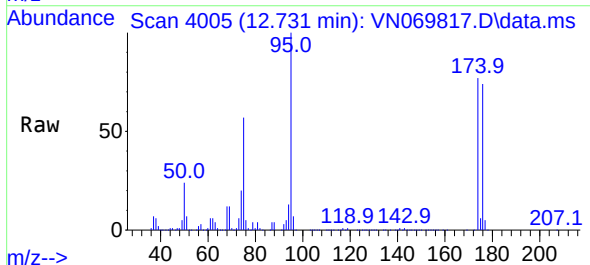
Instrument :
MSVOA_N
ClientSampleId :
RE123D2-20211204

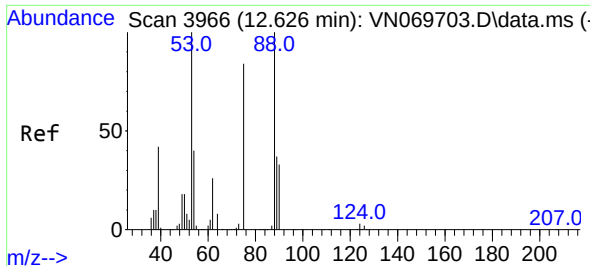
Tgt Ion:152 Resp: 923851
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 157.3 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 24.19 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

Tgt Ion: 75 Resp: 640947
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

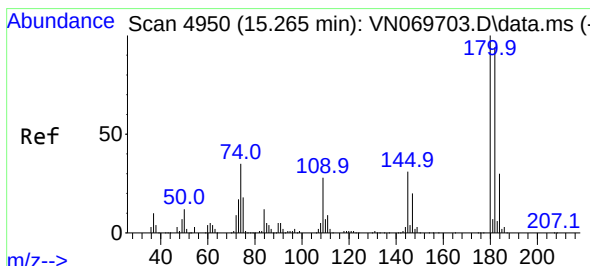
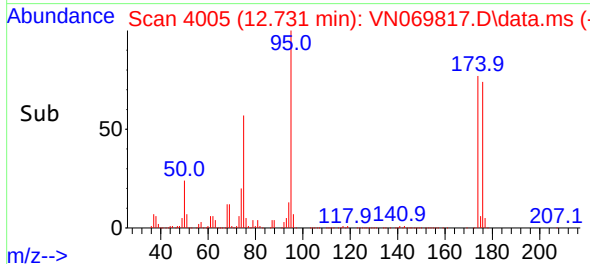
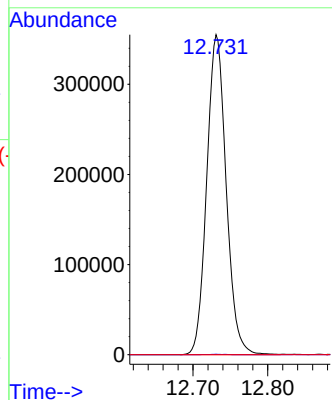
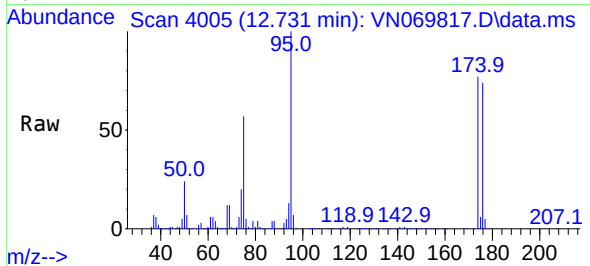




#81
trans-1,4-Dichloro-2-butene
Concen: 76.81 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

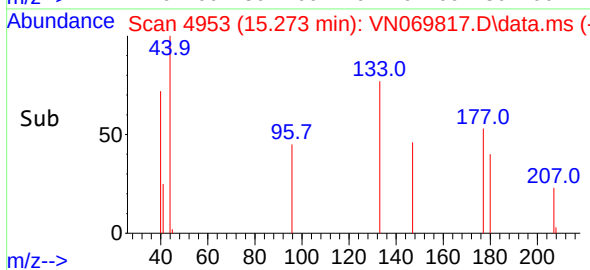
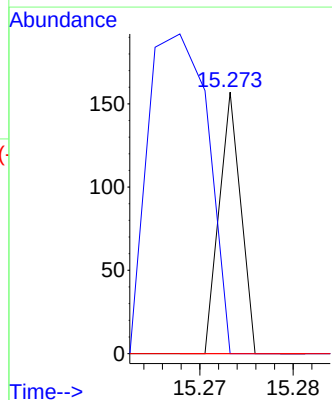
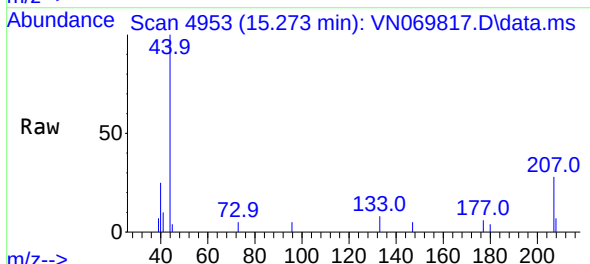
Instrument :
MSVOA_N
ClientSampleId :
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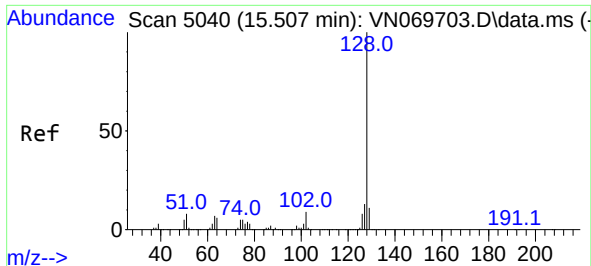
Tgt Ion: 75 Resp: 640947
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.88 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

Tgt Ion:180 Resp: 25
Ion Ratio Lower Upper
180 100
182 344.0 48.3 144.9#
145 0.0 14.5 43.5#

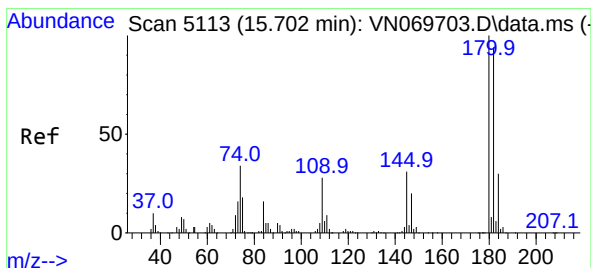
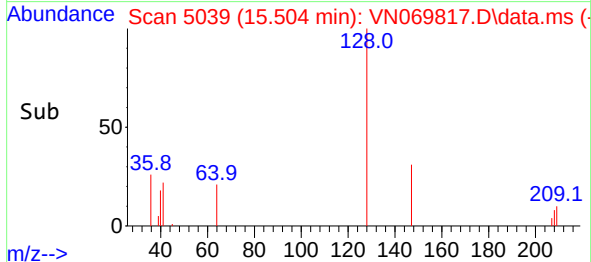
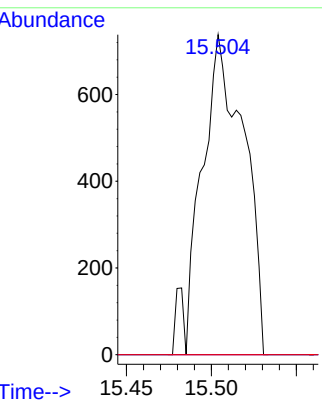
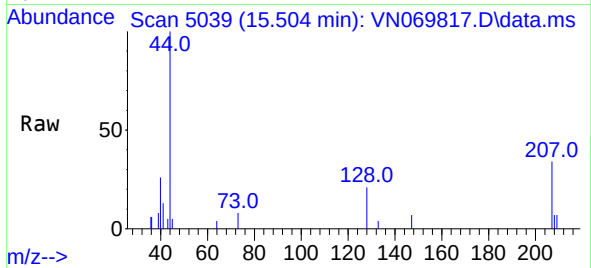




#95
Naphthalene
Concen: 4.01 ug/l
RT: 15.504 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

Instrument :
MSVOA_N
ClientSampleId :
RE123D2-20211204

Tgt Ion:128 Resp: 1298
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.44 ug/l
RT: 15.710 min Scan# 5116
Delta R.T. 0.008 min
Lab File: VN069817.D
Acq: 7 Dec 2021 16:15

Tgt Ion:180 Resp: 105
Ion Ratio Lower Upper
180 100
182 122.9 47.4 142.2
145 0.0 15.0 45.1#

