

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091621\
 Data File : VN068508.D
 Acq On : 16 Sep 2021 20:51
 Operator : JC/MD
 Sample : M3769-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NWB-1670-1675

Quant Time: Sep 17 02:03:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 10 04:04:05 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

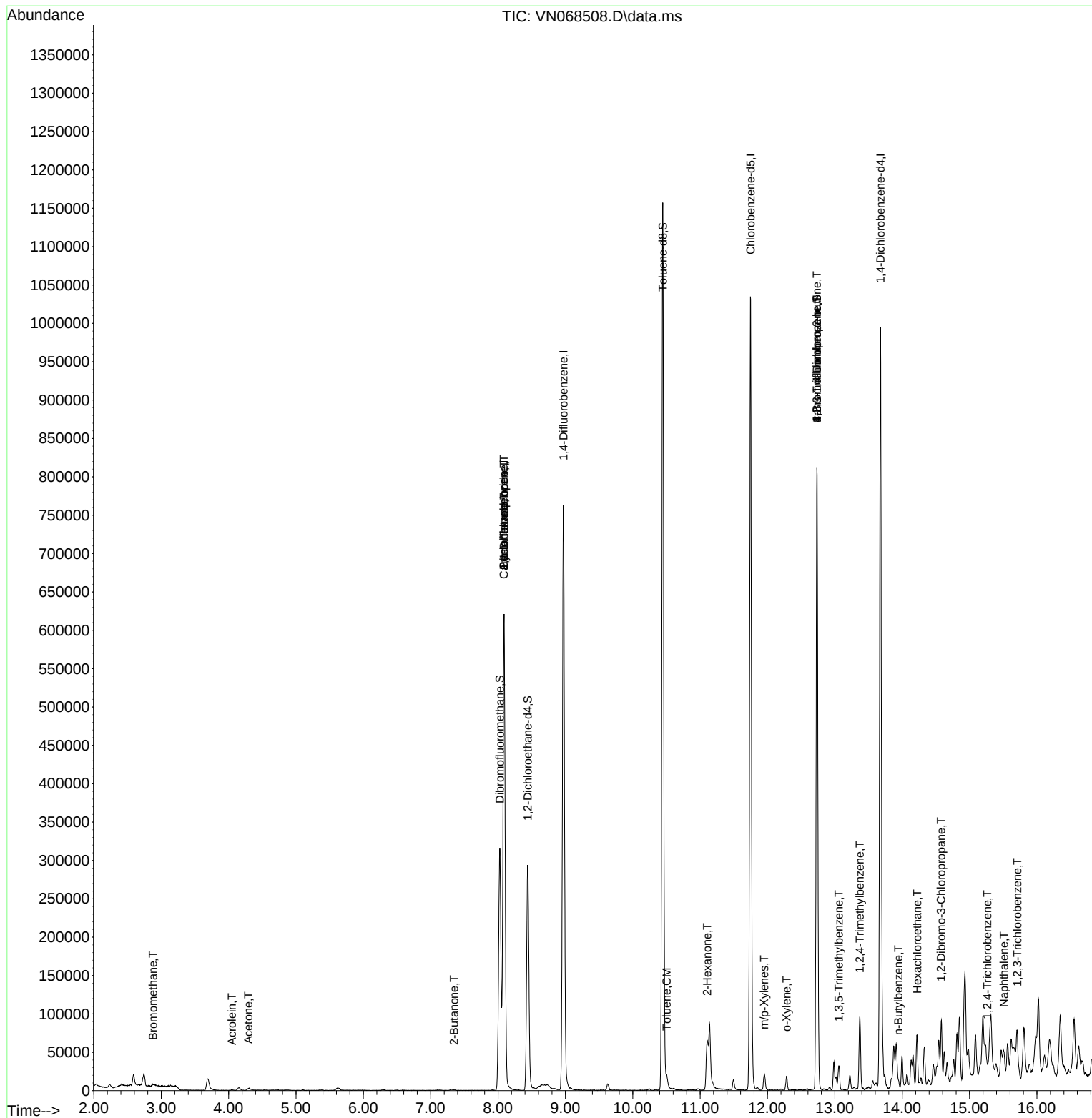
Internal Standards						
1) Pentafluorobenzene	8.088	168	514304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	748308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	667434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	290609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	253966	53.832	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.660%			
35) Dibromofluoromethane	8.027	113	230052	50.972	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.940%			
50) Toluene-d8	10.446	98	869303	53.025	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.040%			
62) 4-Bromofluorobenzene	12.734	95	271222	51.701	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.400%			
Target Compounds			Qvalue			
5) Bromomethane	2.877	94	1373	0.222	ug/l	83
11) Tert butyl alcohol	5.382	59	561	Below Cal	#	84
13) Acrolein	4.049	56	780	2.227	ug/l	94
16) Acetone	4.293	43	2844	1.822	ug/l	# 61
18) Methyl Acetate	4.865	43	958	Below Cal	#	45
20) Methylene Chloride	5.120	84	338	Below Cal	#	62
25) 2-Butanone	7.346	43	481	0.210	ug/l	# 41
31) Cyclohexane	8.088	56	8777	1.228	ug/l	# 17
36) 1,1-Dichloropropene	8.088	75	32771	5.253	ug/l	# 41
38) Carbon Tetrachloride	8.086	117	47991	6.421	ug/l	# 16
52) Toluene	10.505	92	4020	0.328	ug/l	99
59) 2-Hexanone	11.106	43	15640	4.886	ug/l	# 49
68) m/p-Xylenes	11.953	106	7700	0.852	ug/l	99
69) o-Xylene	12.283	106	5278	0.599	ug/l	97
76) 1,2,3-Trichloropropane	12.734	75	139691	30.451	ug/l	# 1
80) 1,3,5-Trimethylbenzene	13.061	105	14671	0.874	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.734	75	139691	106.529	ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.369	105	58531	3.634	ug/l	96
89) n-Butylbenzene	13.943	91	5325	0.428	ug/l	# 72
90) Hexachloroethane	14.222	117	4340	1.449	ug/l	# 1
92) 1,2-Dibromo-3-Chloropr...	14.576	75	291	0.316	ug/l	# 1
93) 1,2,4-Trichlorobenzene	15.263	180	1119	0.256	ug/l	# 86
95) Naphthalene	15.509	128	26045	5.602	ug/l	96
96) 1,2,3-Trichlorobenzene	15.708	180	1796	0.430	ug/l	# 75

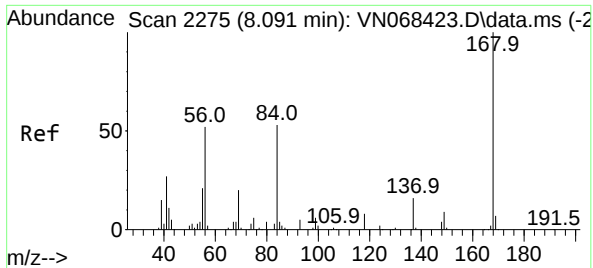
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

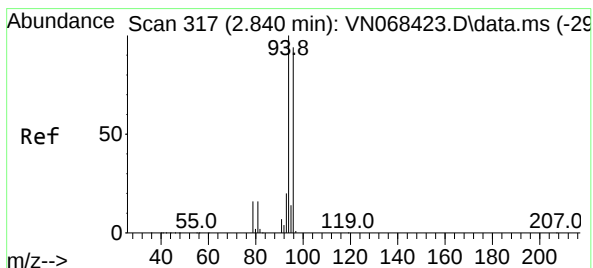
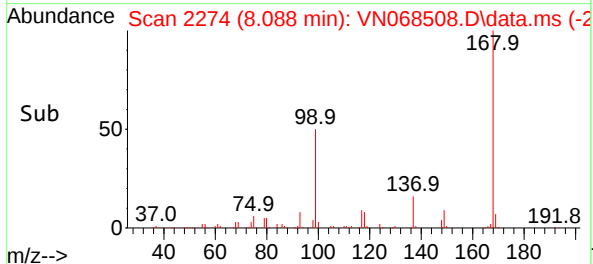
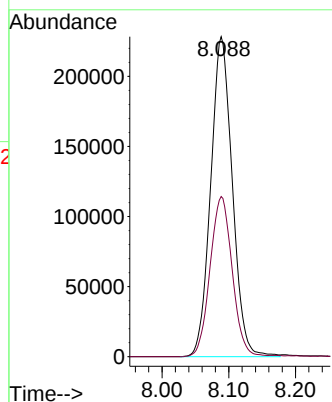
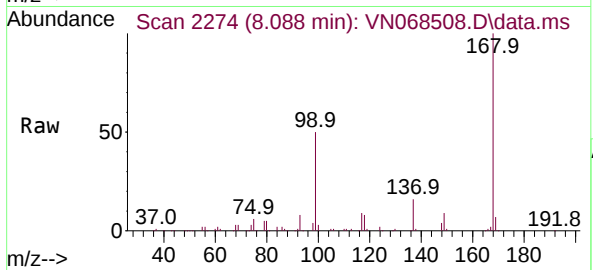




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.003 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

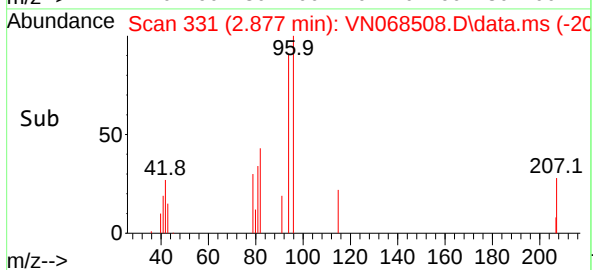
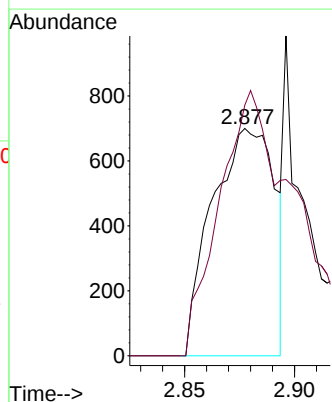
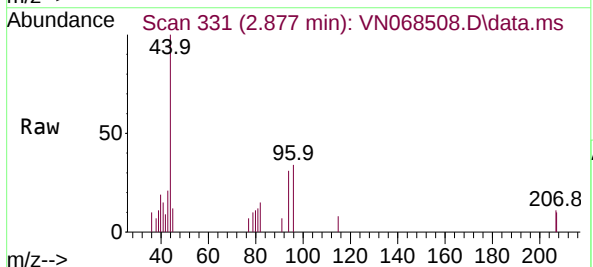
Instrument :
MSVOA_N
ClientSampleId :
NWB-1670-1675

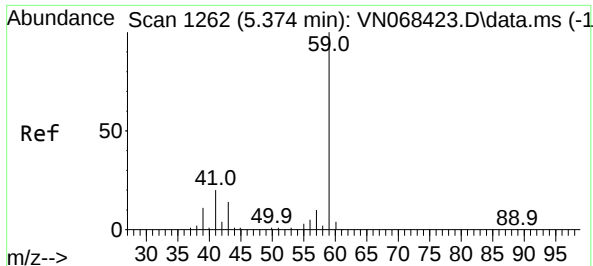
Tgt Ion:168 Resp: 514304
Ion Ratio Lower Upper
168 100
99 50.0 38.2 57.4



#5
Bromomethane
Concen: 0.222 ug/l
RT: 2.877 min Scan# 331
Delta R.T. 0.037 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

Tgt Ion: 94 Resp: 1373
Ion Ratio Lower Upper
94 100
96 110.3 75.4 113.0



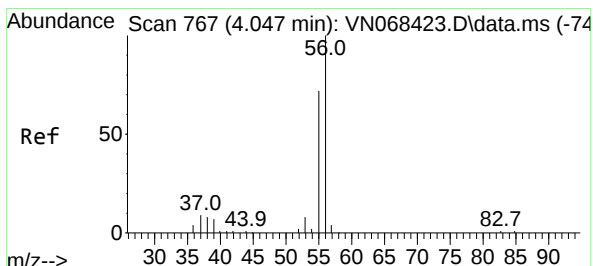
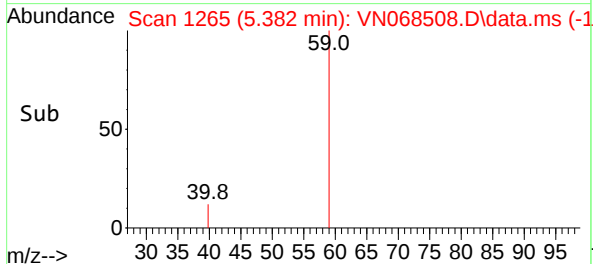
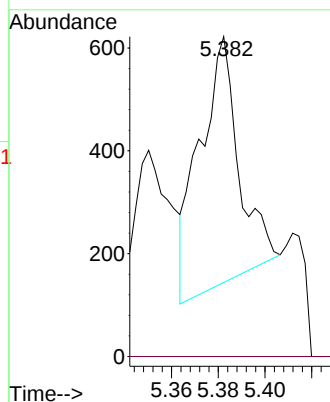
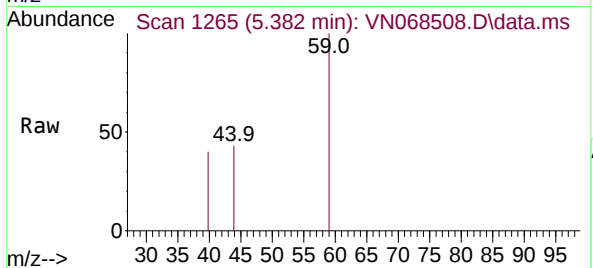


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.382 min Scan# 1265
Delta R.T. 0.008 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

Instrument :
MSVOA_N
ClientSampleId :
NWB-1670-1675

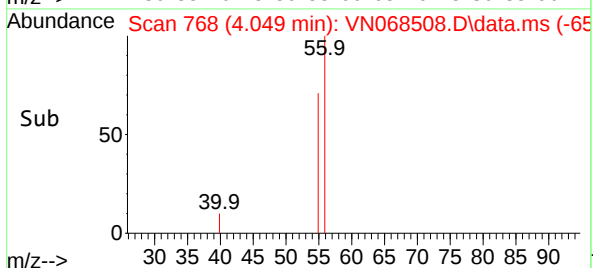
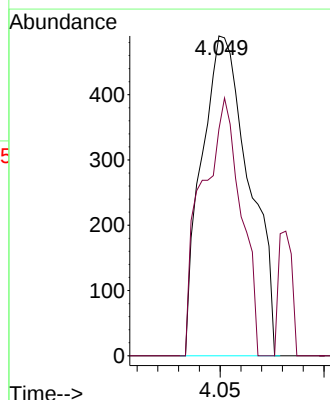
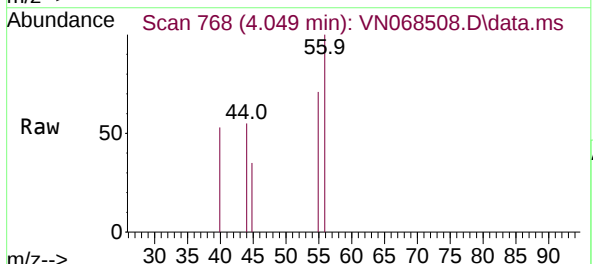
Tgt Ion: 59 Resp: 561
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

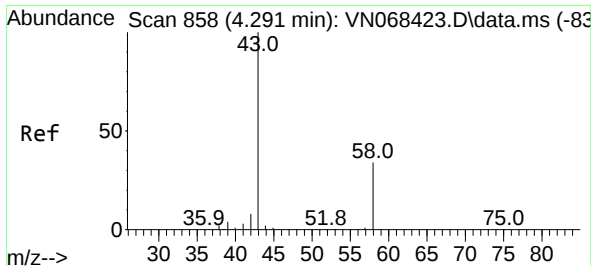


#13

Acrolein
Concen: 2.227 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.003 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

Tgt Ion: 56 Resp: 780
Ion Ratio Lower Upper
56 100
55 66.2 56.8 85.2

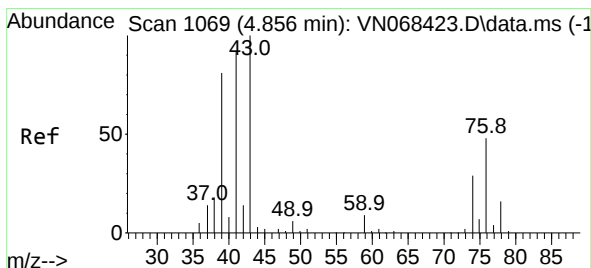
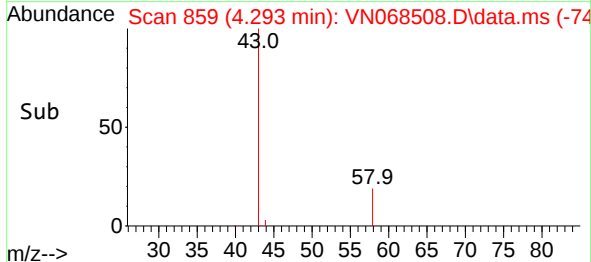
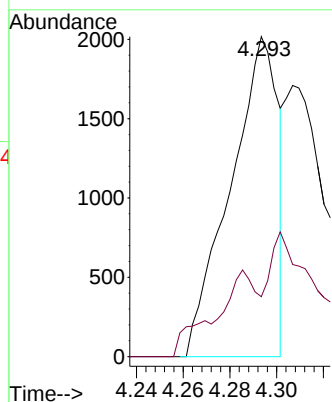
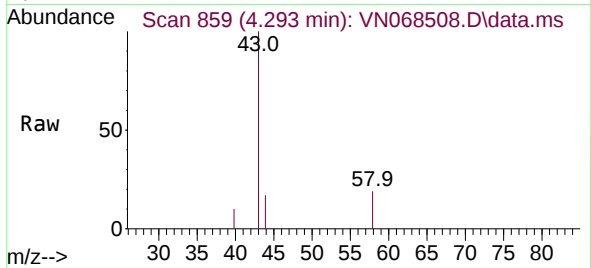




#16
Acetone
Concen: 1.822 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

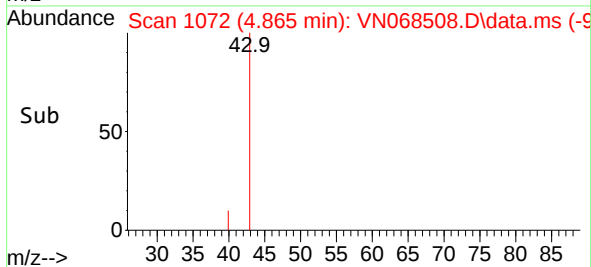
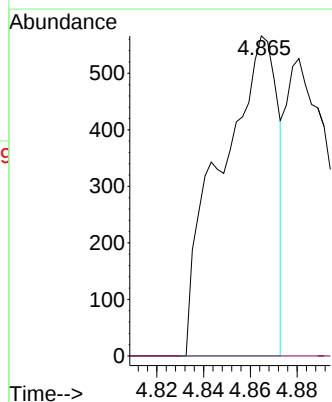
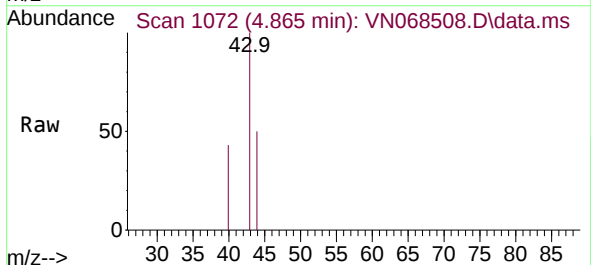
Instrument :
MSVOA_N
ClientSampleId :
NWB-1670-1675

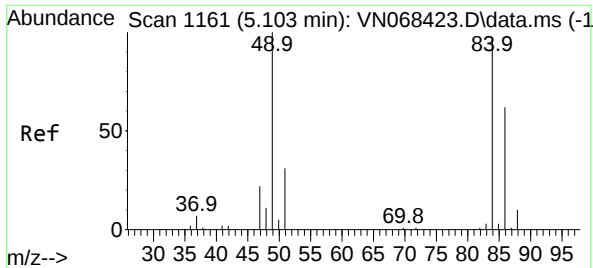
Tgt Ion: 43 Resp: 2844
Ion Ratio Lower Upper
43 100
58 11.3 27.0 40.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.865 min Scan# 1072
Delta R.T. 0.009 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

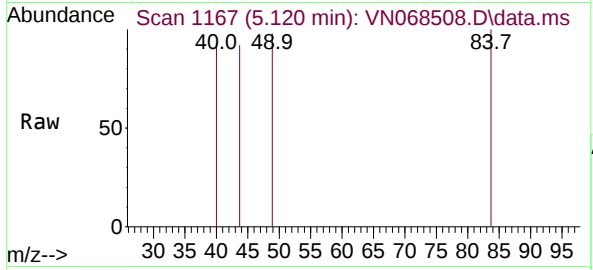
Tgt Ion: 43 Resp: 958
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#



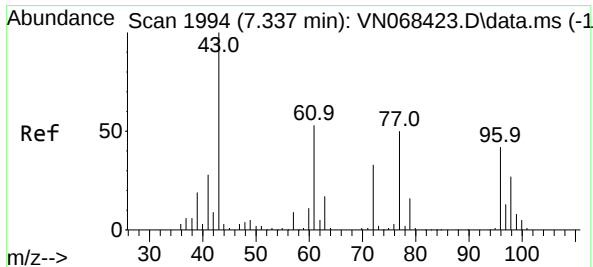
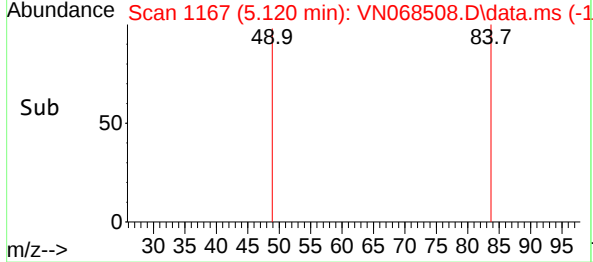
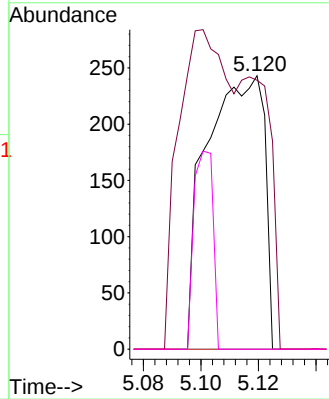


#20
Methylene Chloride
Concen: Below Cal
RT: 5.120 min Scan# 1167
Delta R.T. 0.017 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

Instrument :
MSVOA_N
ClientSampleId :
NWB-1670-1675

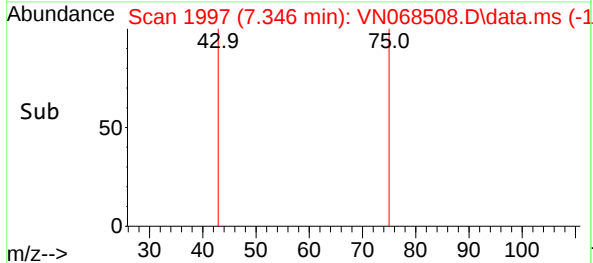
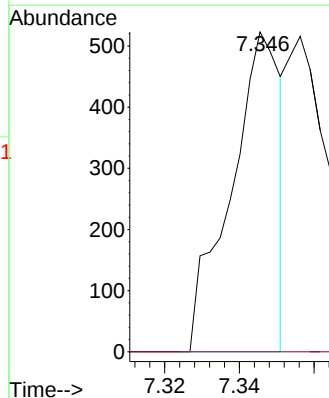
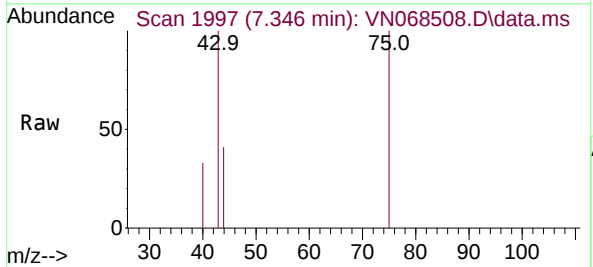


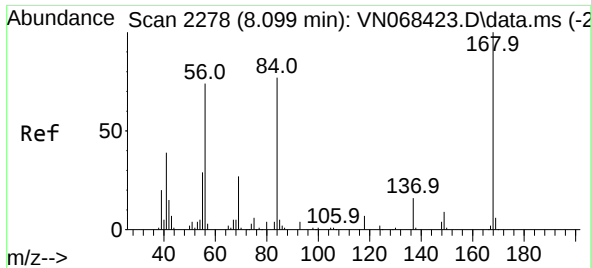
Tgt Ion: 84	Resp: 338
Ion Ratio	Lower Upper
84 100	
49 98.4	83.0 124.6
51 0.0	25.4 38.0#
86 0.0	51.3 76.9#



#25
2-Butanone
Concen: 0.210 ug/l
RT: 7.346 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

Tgt Ion: 43	Resp: 481
Ion Ratio	Lower Upper
43 100	
72 0.0	26.7 40.1#

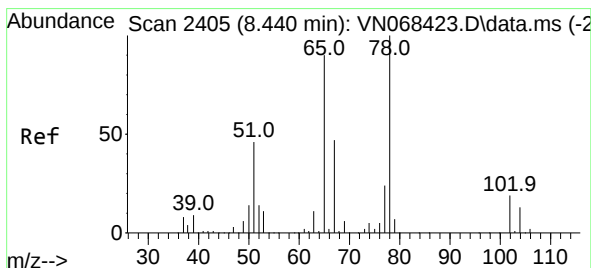
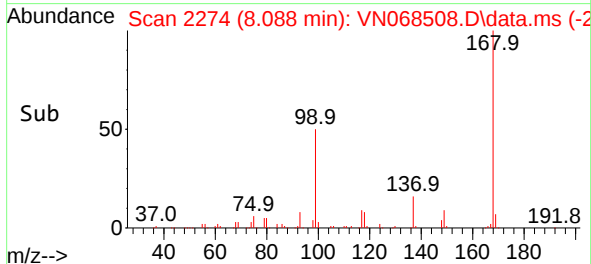
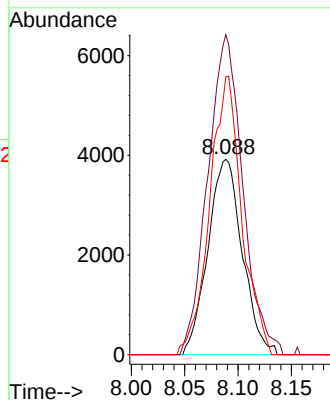
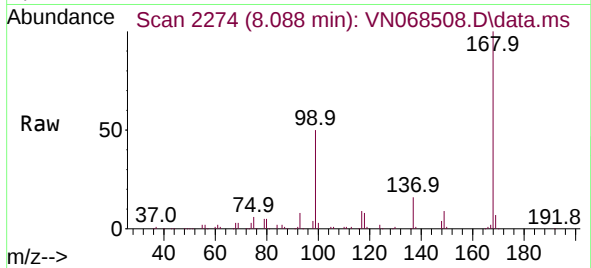




#31
Cyclohexane
Concen: 1.228 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.011 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

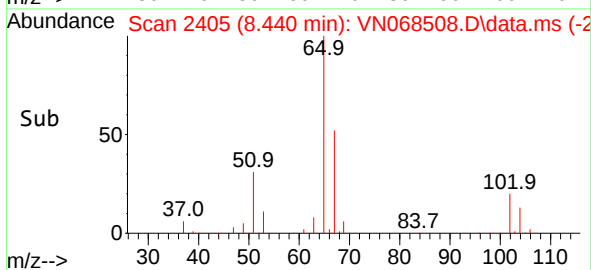
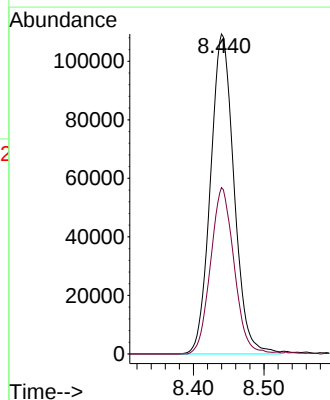
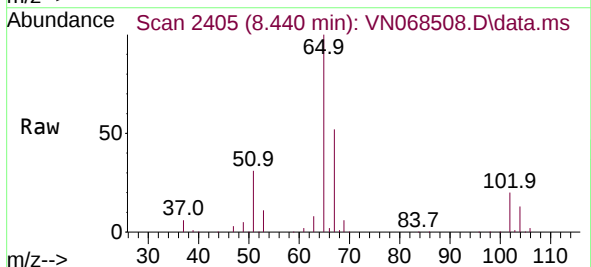
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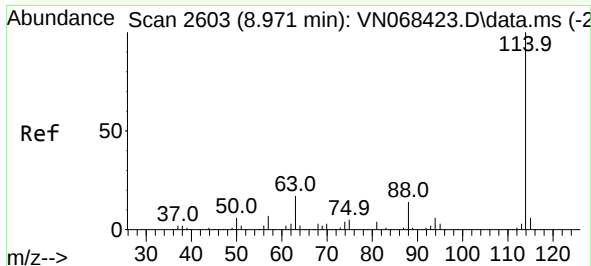
Tgt Ion: 56 Resp: 8777
Ion Ratio Lower Upper
56 100
69 163.8 29.4 44.0#
84 142.1 83.6 125.4#



#33
1,2-Dichloroethane-d4
Concen: 53.832 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

Tgt Ion: 65 Resp: 253966
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.0

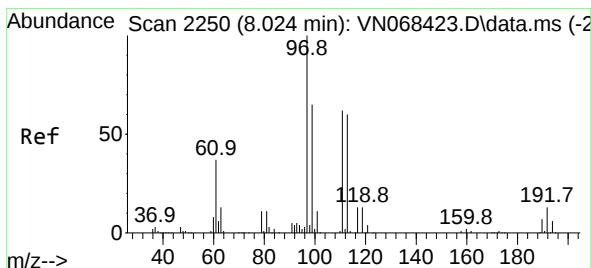
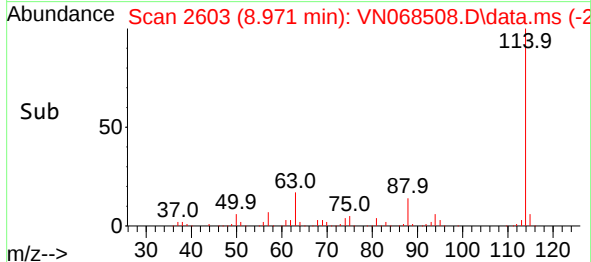
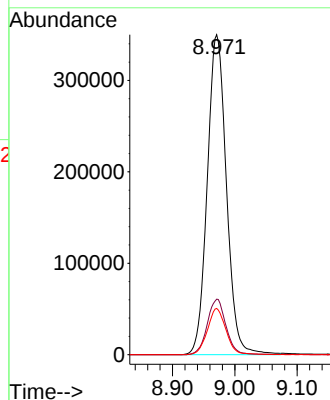
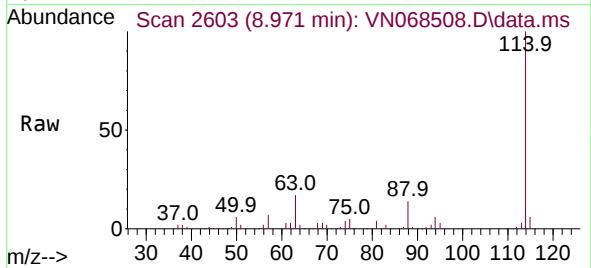




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

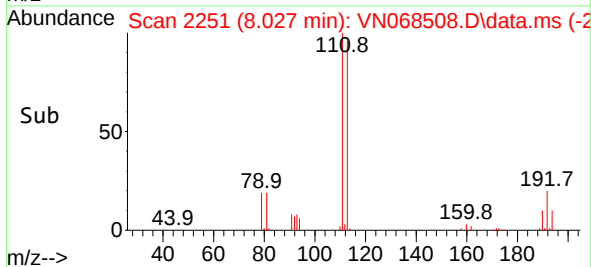
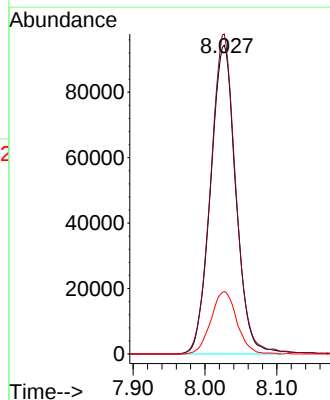
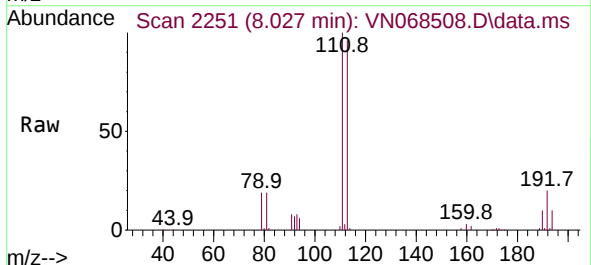
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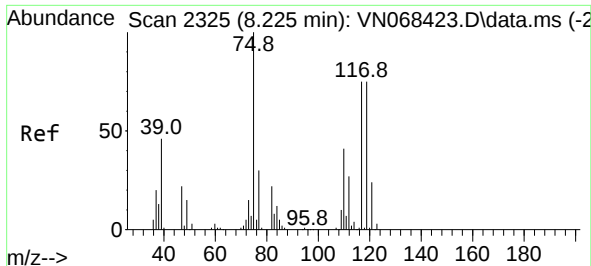
Tgt Ion:114 Resp: 748308
Ion Ratio Lower Upper
114 100
63 17.4 0.0 33.2
88 14.4 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.972 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

Tgt Ion:113 Resp: 230052
Ion Ratio Lower Upper
113 100
111 102.3 81.1 121.7
192 20.6 17.7 26.5

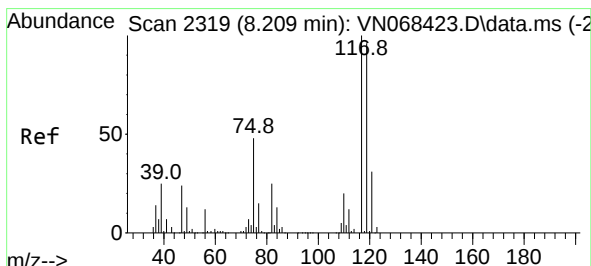
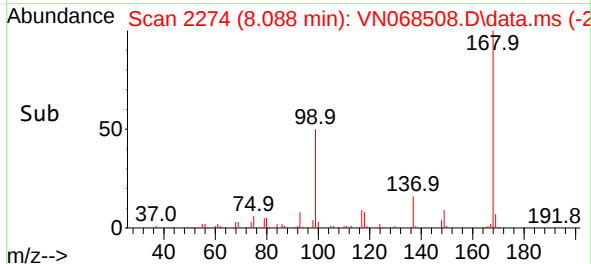
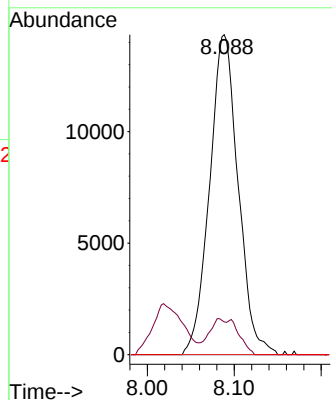
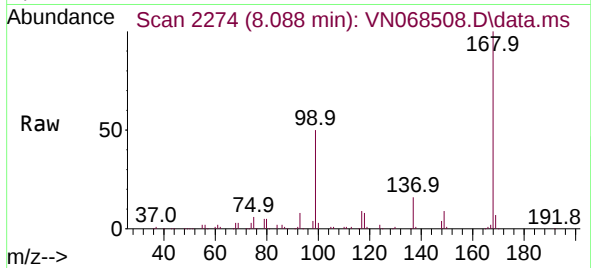




#36
1,1-Dichloropropene
Concen: 5.253 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

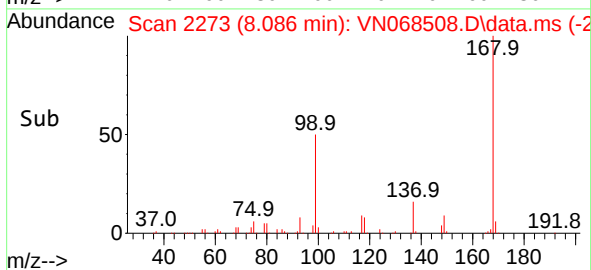
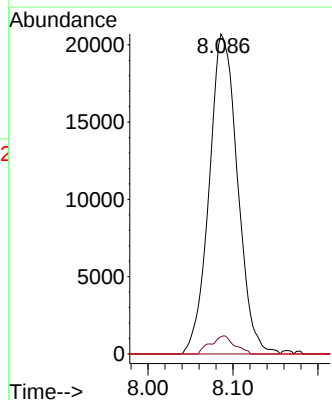
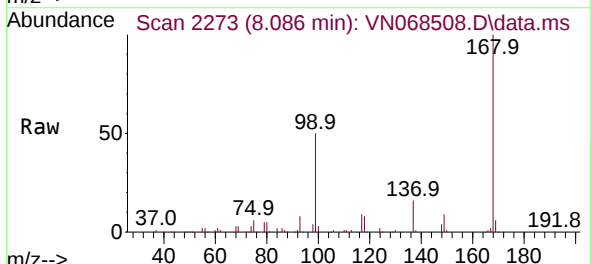
Instrument :
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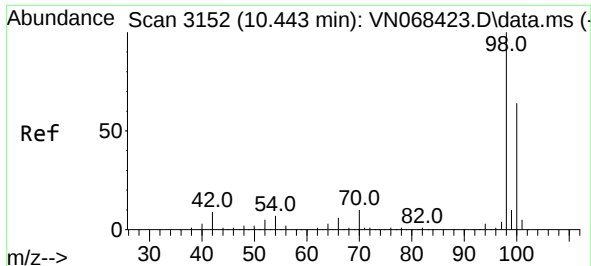
Tgt Ion: 75 Resp: 32771
Ion Ratio Lower Upper
75 100
110 3.8 20.8 62.5#
77 0.0 25.0 37.6#



#38
Carbon Tetrachloride
Concen: 6.421 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

Tgt Ion: 117 Resp: 47991
Ion Ratio Lower Upper
117 100
119 5.4 76.6 114.8#
121 0.0 24.5 36.7#

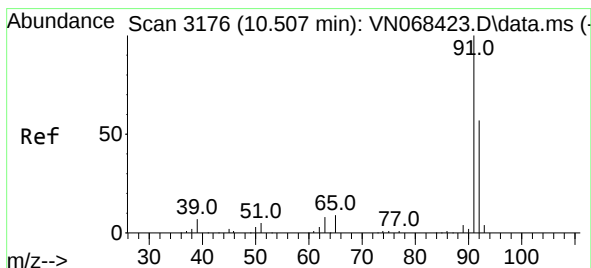
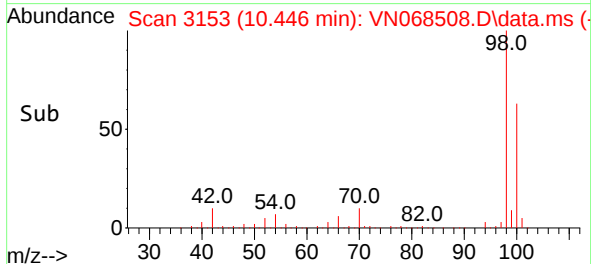
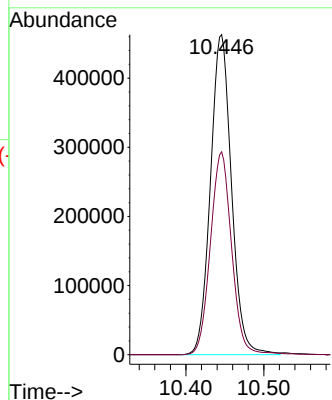
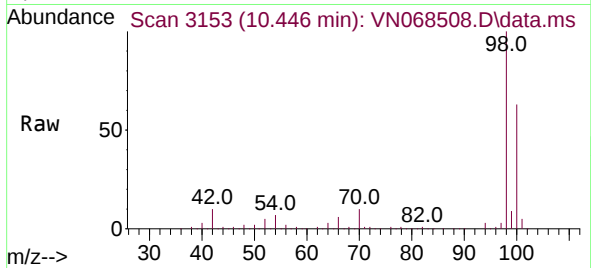




#50
Toluene-d8
Concen: 53.025 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

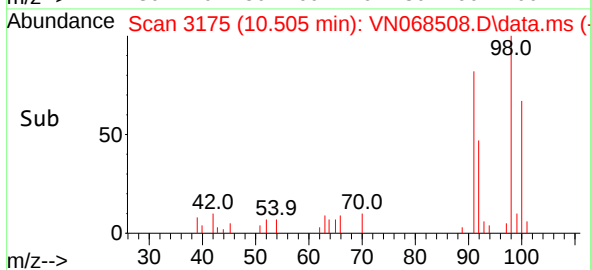
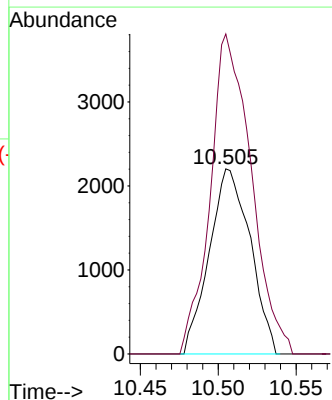
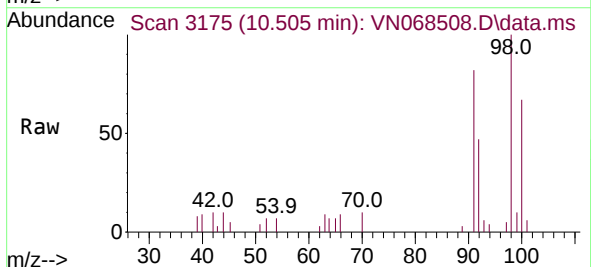
Instrument :
MSVOA_N
ClientSampleId :
NWB-1670-1675

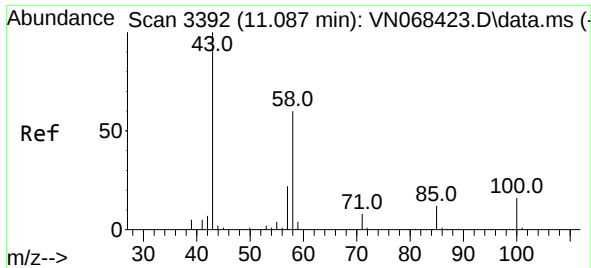
Tgt Ion: 98 Resp: 869303
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6



#52
Toluene
Concen: 0.328 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

Tgt Ion: 92 Resp: 4020
Ion Ratio Lower Upper
92 100
91 173.4 139.4 209.0

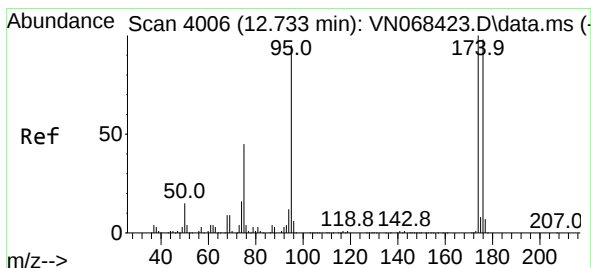
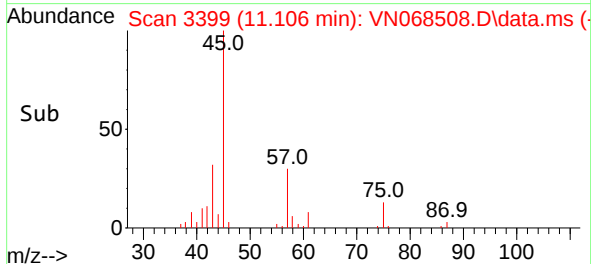
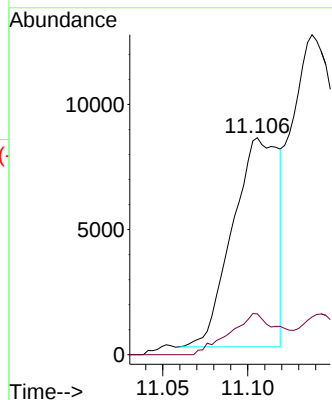
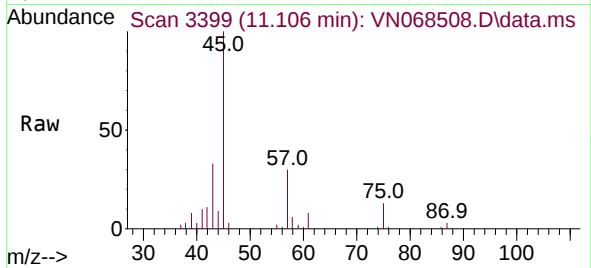




#59
2-Hexanone
Concen: 4.886 ug/l
RT: 11.106 min Scan# 3399
Delta R.T. 0.019 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

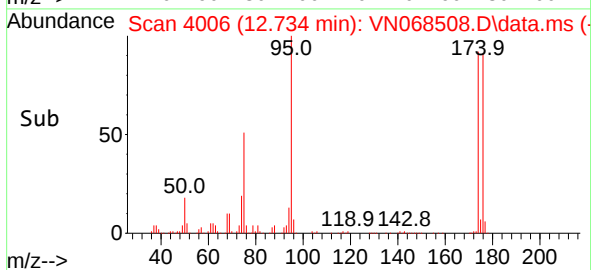
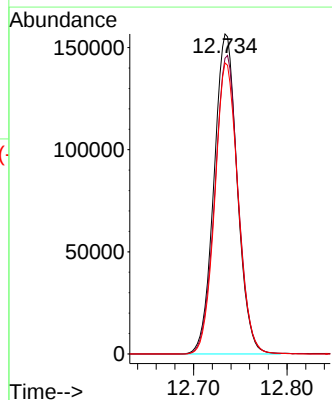
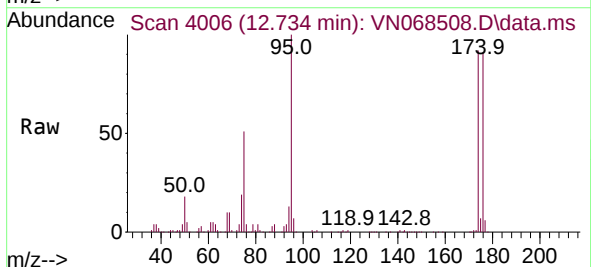
Instrument :
MSVOA_N
ClientSampleId :
NWB-1670-1675

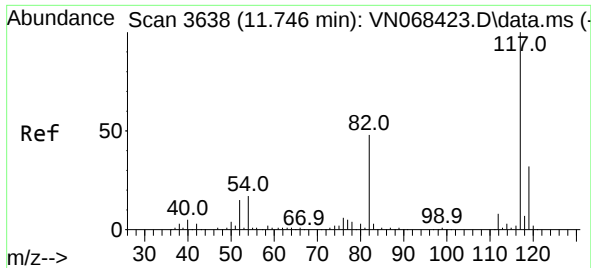
Tgt Ion: 43 Resp: 15640
Ion Ratio Lower Upper
43 100
58 21.8 30.0 90.1#



#62
4-Bromofluorobenzene
Concen: 51.701 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

Tgt Ion: 95 Resp: 271222
Ion Ratio Lower Upper
95 100
174 94.0 0.0 214.0
176 90.9 0.0 205.4

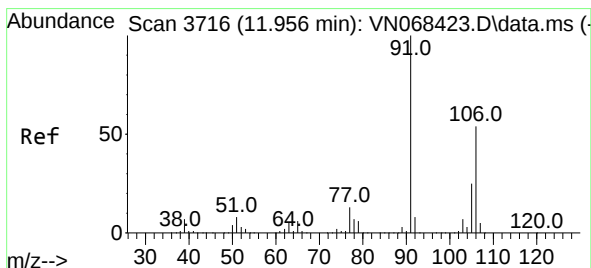
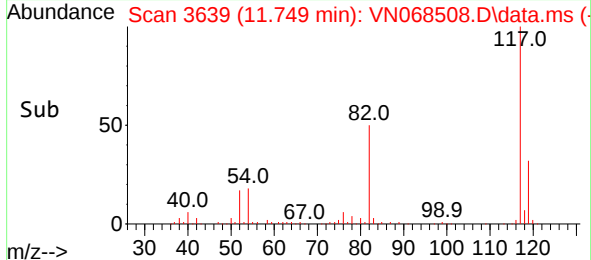
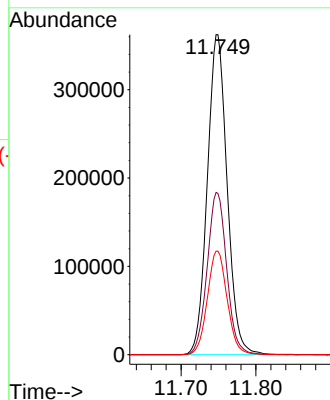
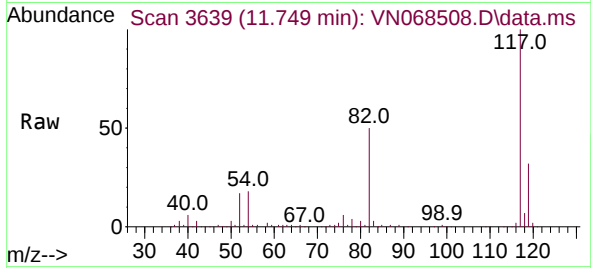




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

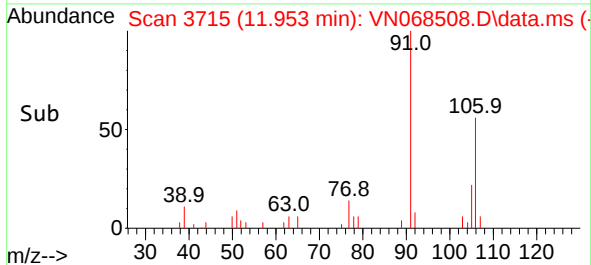
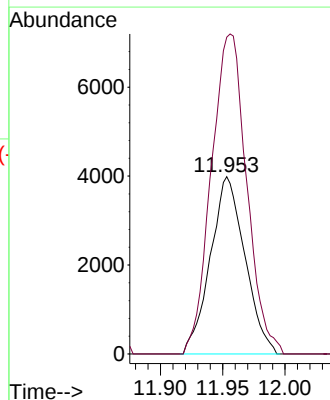
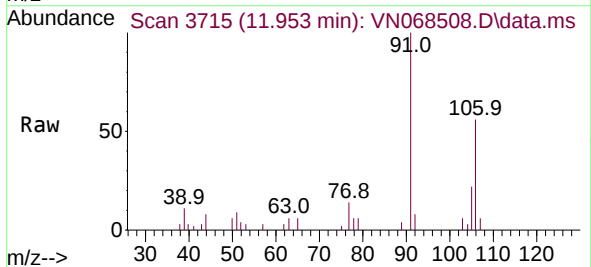
Instrument :
MSVOA_N
ClientSampleId :
NWB-1670-1675

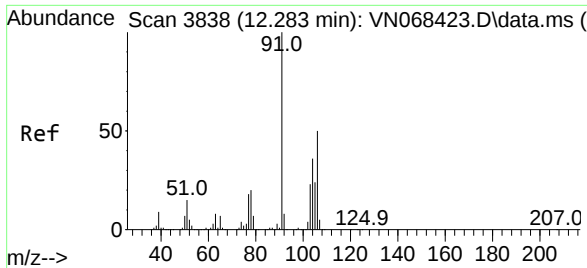
Tgt Ion:117 Resp: 667434
Ion Ratio Lower Upper
117 100
82 50.4 38.7 58.1
119 32.3 25.5 38.3



#68
m/p-Xylenes
Concen: 0.852 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.002 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

Tgt Ion:106 Resp: 7700
Ion Ratio Lower Upper
106 100
91 184.8 149.5 224.3

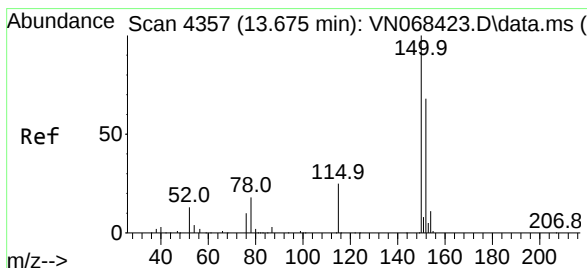
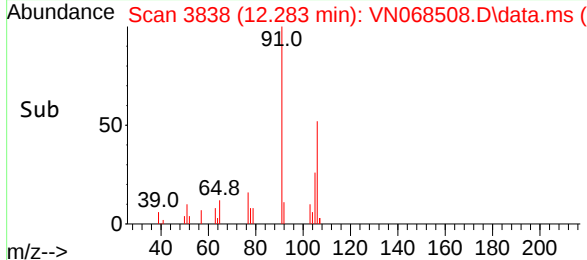
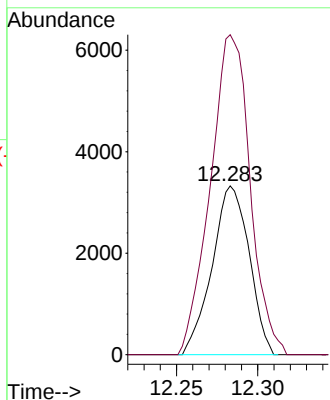
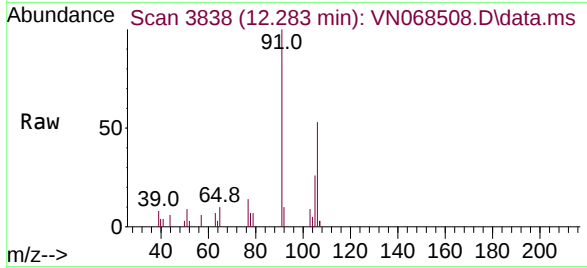




#69
o-Xylene
Concen: 0.599 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. 0.000 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

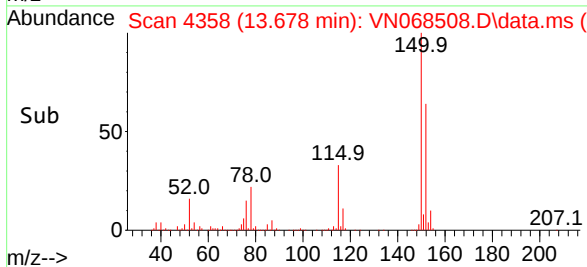
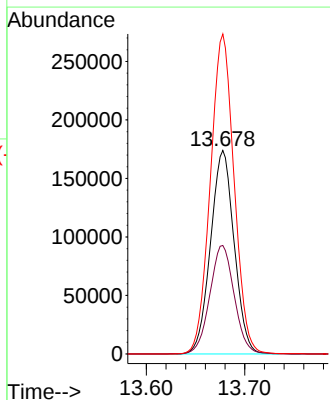
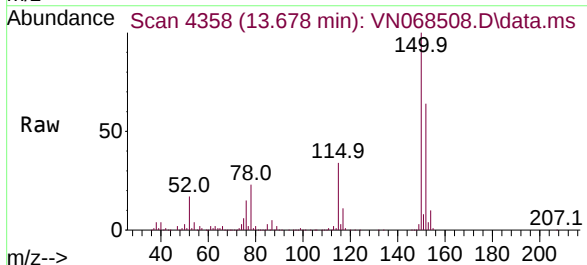
Instrument :
MSVOA_N
ClientSampleId :
NWB-1670-1675

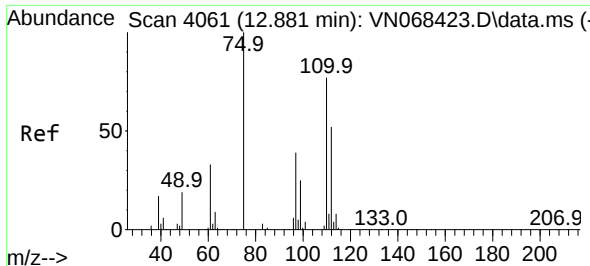
Tgt Ion:106 Resp: 5278
Ion Ratio Lower Upper
106 100
91 203.6 99.3 297.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

Tgt Ion:152 Resp: 290609
Ion Ratio Lower Upper
152 100
115 55.1 25.6 76.6
150 158.0 0.0 346.8

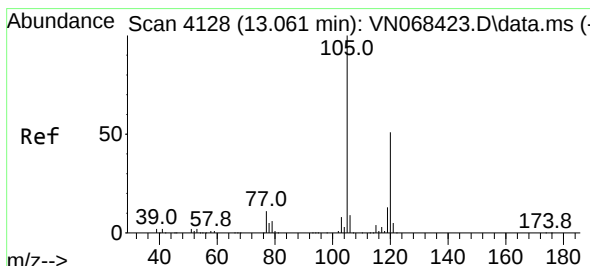
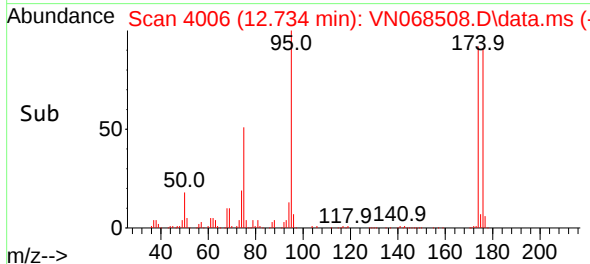
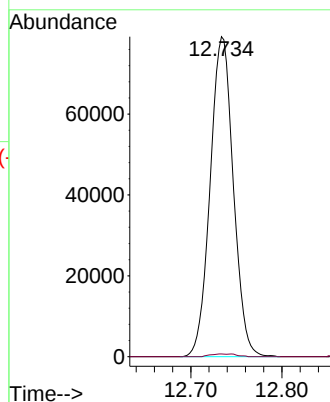
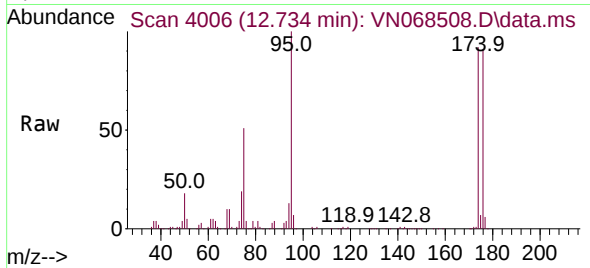




#76
1,2,3-Trichloropropane
Concen: 30.451 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

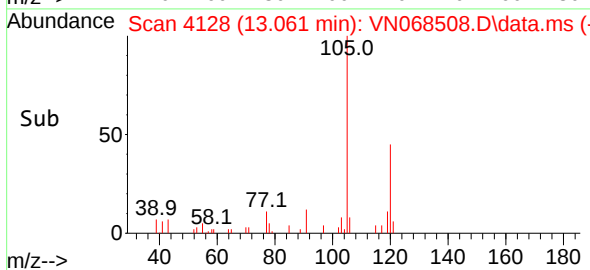
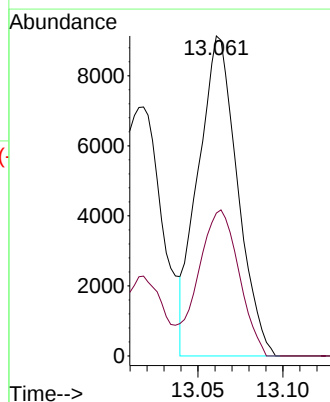
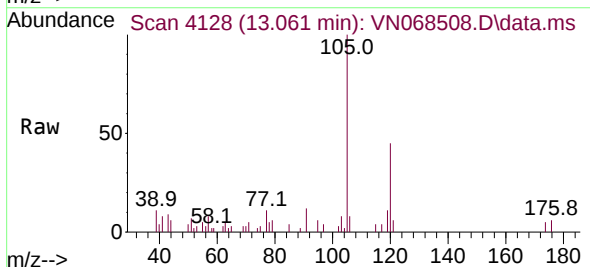
Instrument :
MSVOA_N
ClientSampleId :
NWB-1670-1675

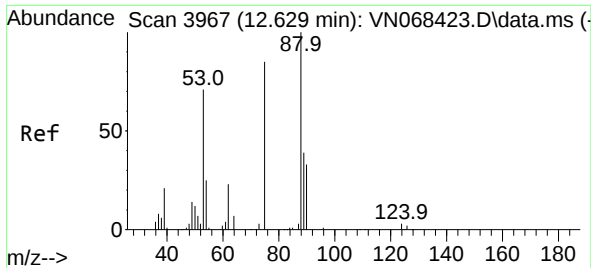
Tgt Ion: 75 Resp: 139691
Ion Ratio Lower Upper
75 100
77 0.6 100.9 302.7#



#80
1,3,5-Trimethylbenzene
Concen: 0.874 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

Tgt Ion: 105 Resp: 14671
Ion Ratio Lower Upper
105 100
120 47.5 25.7 77.1

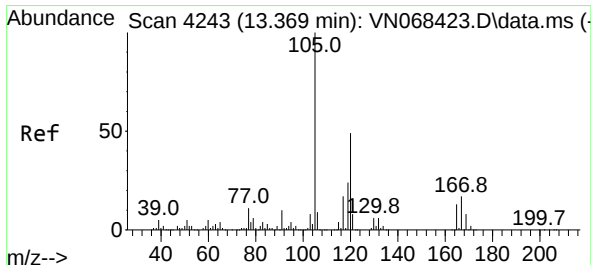
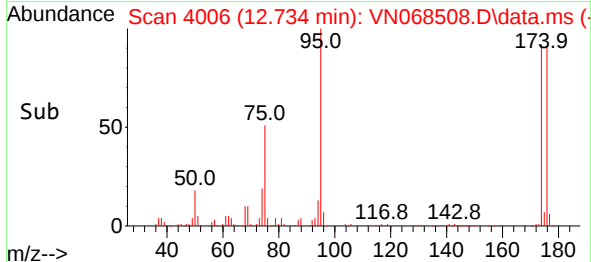
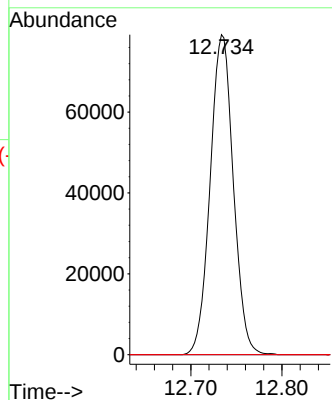
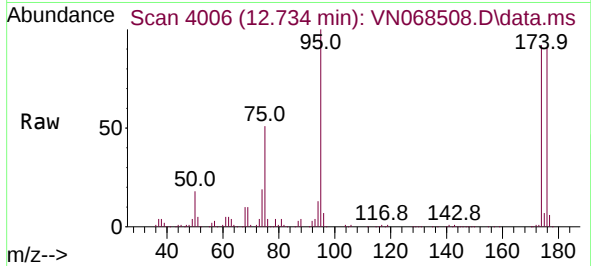




#81
trans-1,4-Dichloro-2-butene
Concen: 106.529 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

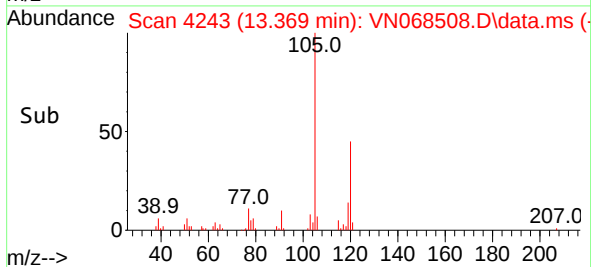
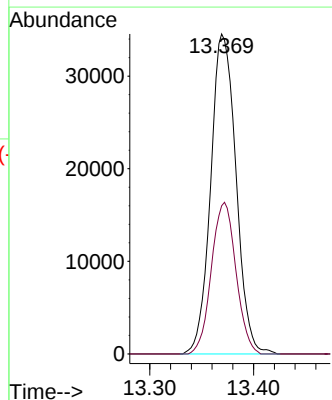
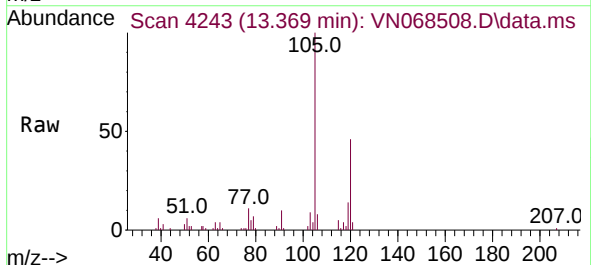
Instrument :
MSVOA_N
ClientSampleId :
NWB-1670-1675

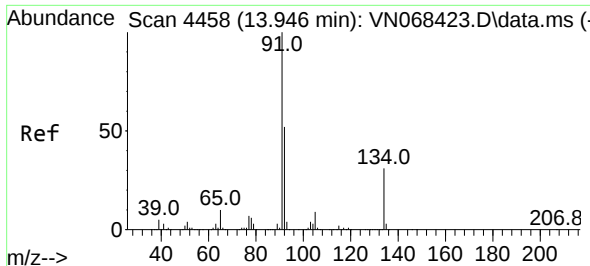
Tgt Ion: 75 Resp: 139691
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 3.634 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

Tgt Ion: 105 Resp: 58531
Ion Ratio Lower Upper
105 100
120 45.9 24.3 72.9

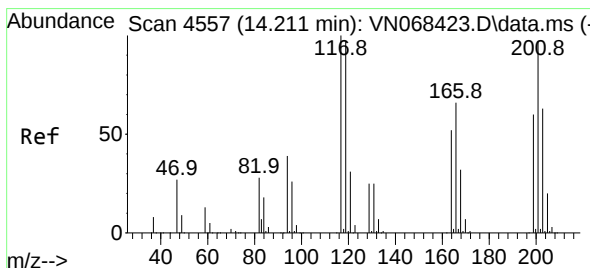
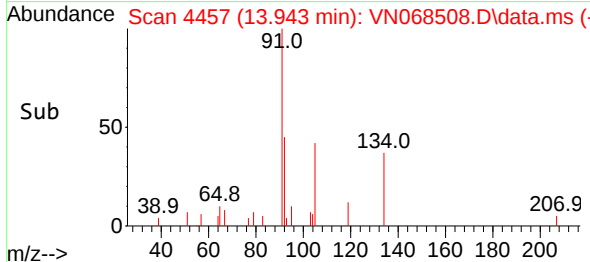
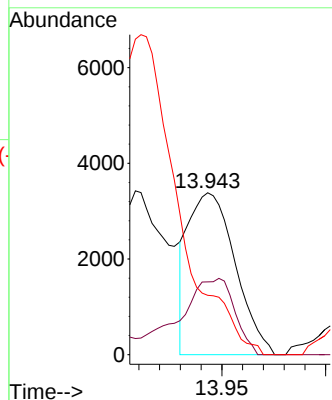
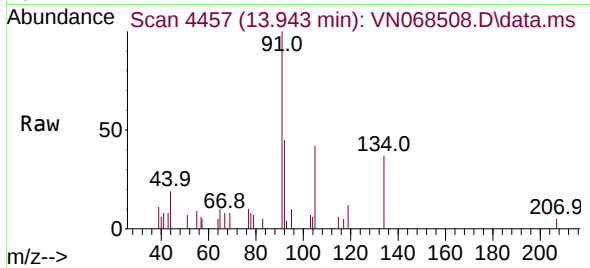




#89
n-Butylbenzene
Concen: 0.428 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.002 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

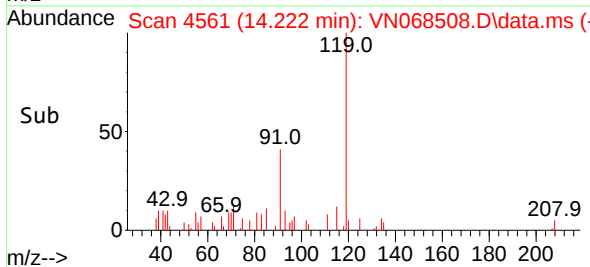
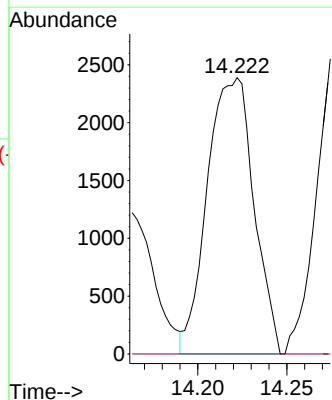
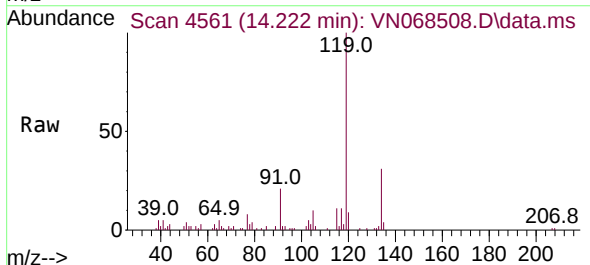
Instrument :
MSVOA_N
ClientSampleId :
NWB-1670-1675

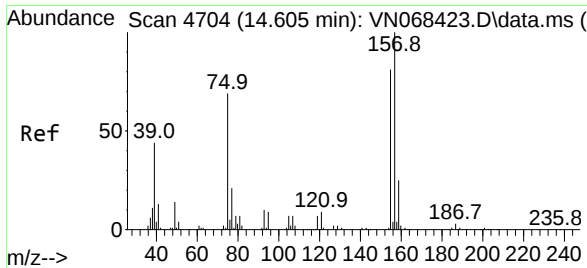
Tgt Ion: 91 Resp: 5325
Ion Ratio Lower Upper
91 100
92 60.1 26.0 78.0
134 0.0 15.4 46.2#



#90
Hexachloroethane
Concen: 1.449 ug/l
RT: 14.222 min Scan# 4561
Delta R.T. 0.011 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

Tgt Ion: 117 Resp: 4340
Ion Ratio Lower Upper
117 100
201 0.0 49.3 147.9#

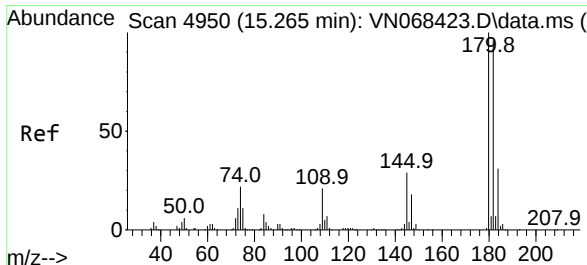
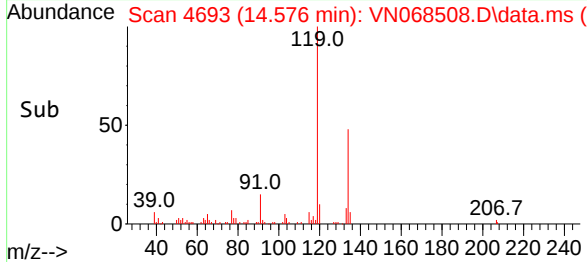
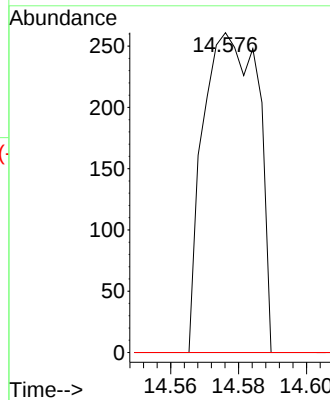
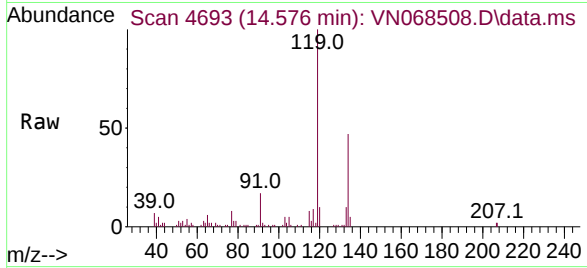




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.316 ug/l
RT: 14.576 min Scan# 4693
Delta R.T. -0.029 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

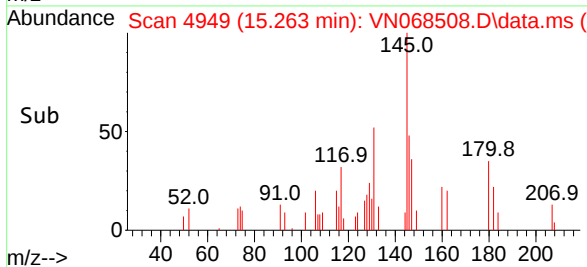
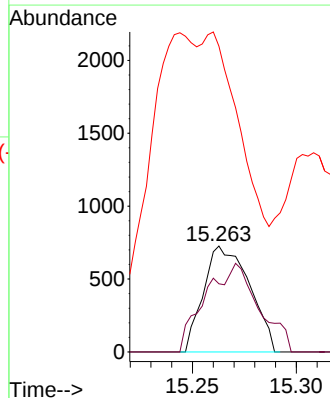
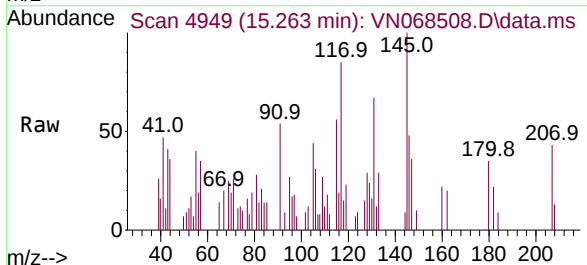
Instrument :
MSVOA_N
ClientSampleId :
NWB-1670-1675

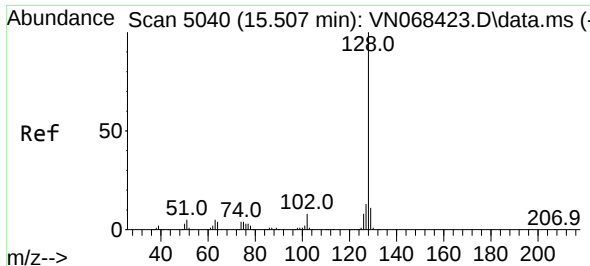
Tgt Ion: 75 Resp: 291
Ion Ratio Lower Upper
75 100
155 0.0 56.9 170.7#
157 0.0 73.0 219.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.256 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

Tgt Ion:180 Resp: 1119
Ion Ratio Lower Upper
180 100
182 96.9 47.5 142.6
145 0.0 14.1 42.4#

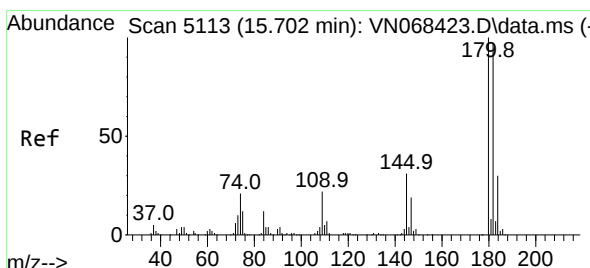
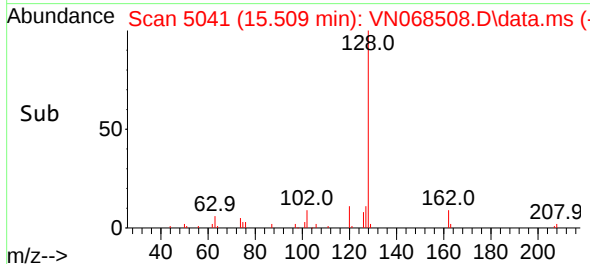
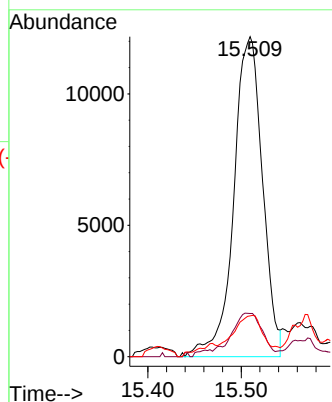
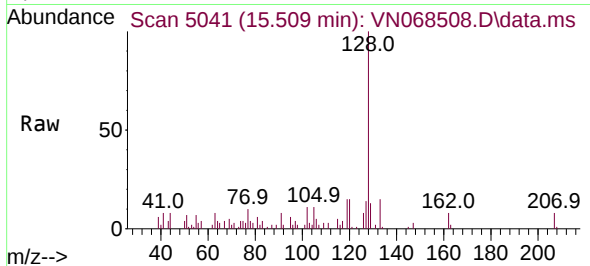




#95
Naphthalene
Concen: 5.602 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

Instrument :
MSVOA_N
ClientSampleId :
NWB-1670-1675

Tgt Ion:	128	Resp:	26045
Ion Ratio	Lower	Upper	
128	100		
127	11.6	10.6	15.8
129	8.9	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.430 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN068508.D
Acq: 16 Sep 2021 20:51

Tgt Ion:	180	Resp:	1796
Ion Ratio	Lower	Upper	
180	100		
182	81.4	47.9	143.6
145	0.0	15.2	45.5#

