

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069854.D
 Acq On : 8 Dec 2021 12:01
 Operator : JC/MD
 Sample : VN1208WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBL01

Quant Time: Dec 09 11:35:17 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)

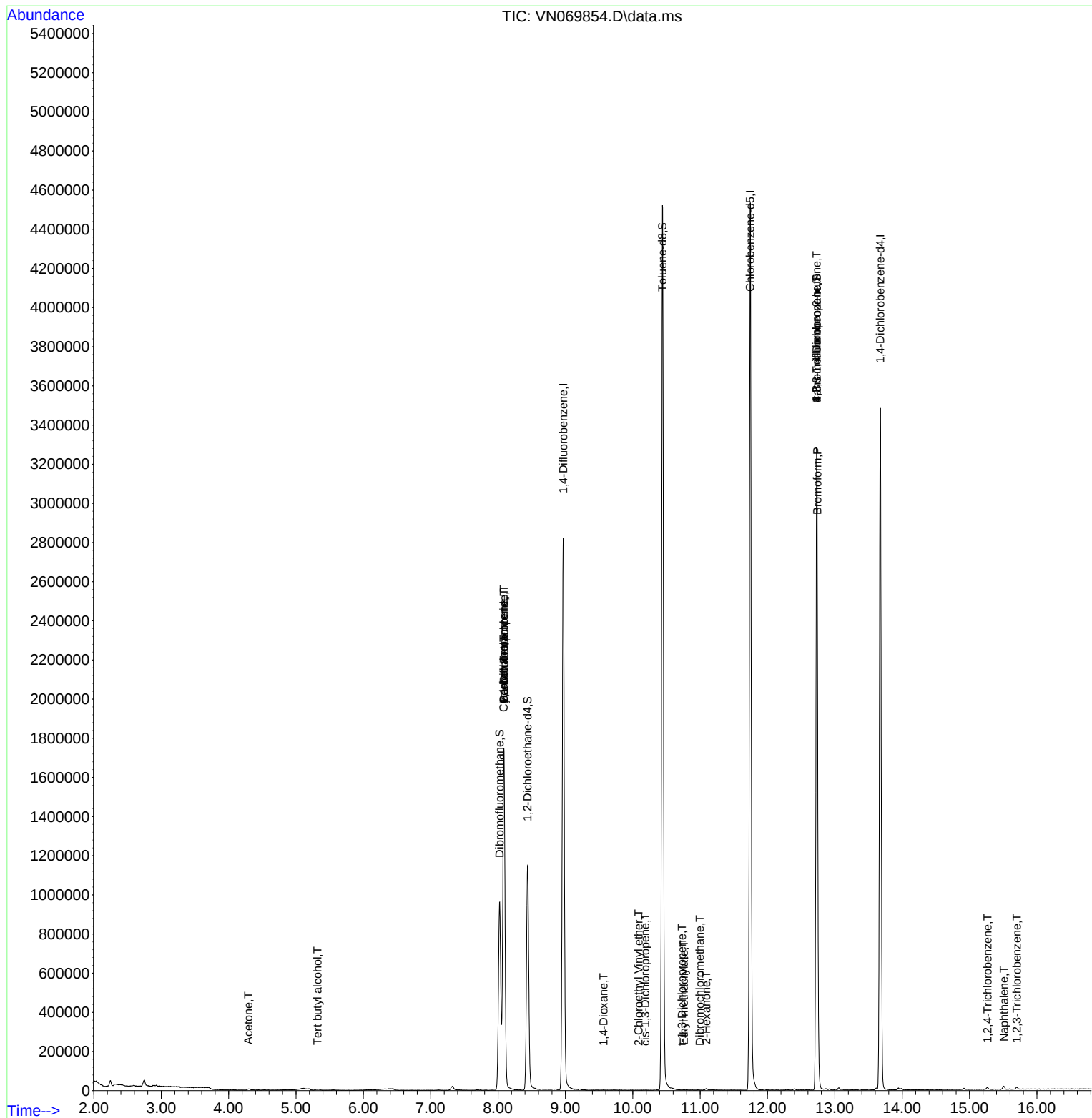
Internal Standards						
1) Pentafluorobenzene	8.086	168	1306311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2372097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2520909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	935029	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1007745	49.964	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.920%		
35) Dibromofluoromethane	8.024	113	705962	47.513	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.020%		
50) Toluene-d8	10.441	98	3063696	51.352	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.700%		
62) 4-Bromofluorobenzene	12.731	95	1155559	53.464	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	106.920%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.318	59	3143	0.824	ug/l #	77
16) Acetone	4.293	43	7877	0.649	ug/l #	82
31) Cyclohexane	8.083	56	33254	1.185	ug/l #	23
36) 1,1-Dichloropropene	8.086	75	111586	4.941	ug/l #	49
38) Carbon Tetrachloride	8.086	117	133326	6.021	ug/l #	16
49) 1,4-Dioxane	9.566	88	186	0.447	ug/l #	8
53) t-1,3-Dichloropropene	10.730	75	228	2.802	ug/l	95
54) cis-1,3-Dichloropropene	10.186	75	168	2.004	ug/l #	73
56) Ethyl methacrylate	10.757	69	710	2.300	ug/l #	67
58) 2-Chloroethyl Vinyl ether	10.087	63	25	18.392	ug/l #	45
59) 2-Hexanone	11.092	43	7613	0.312	ug/l	91
60) Dibromochloromethane	10.996	129	82	2.380	ug/l #	11
71) Bromoform	12.739	173	2533	2.886	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	643465	23.997	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	643465	76.221	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	4069	3.128	ug/l	88
95) Naphthalene	15.509	128	14820	4.284	ug/l	99
96) 1,2,3-Trichlorobenzene	15.703	180	4161	2.700	ug/l	98

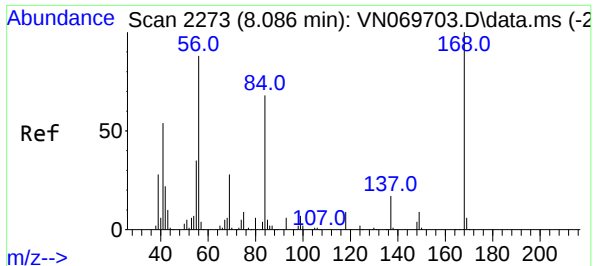
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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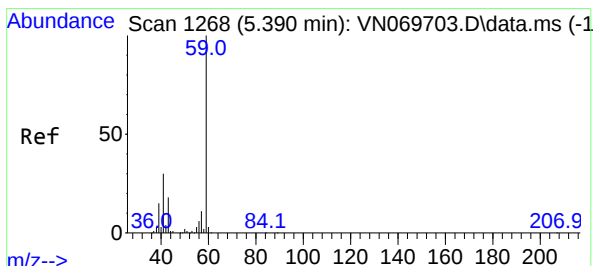
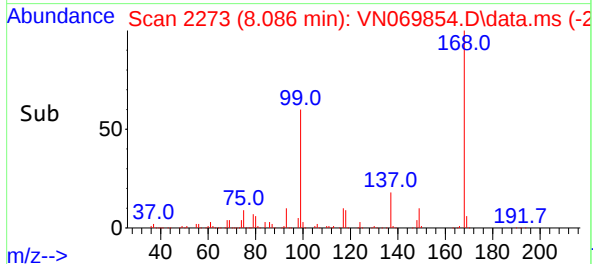
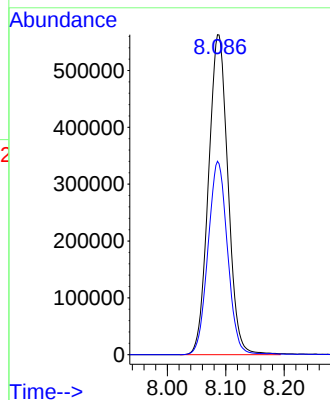
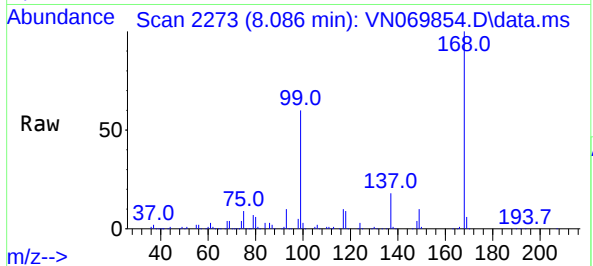




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

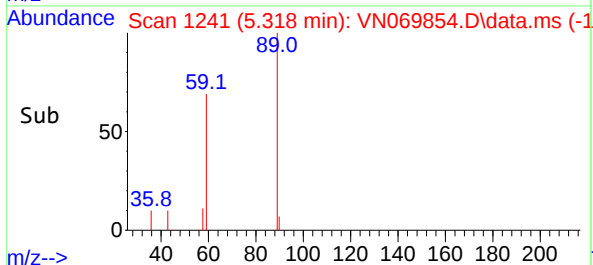
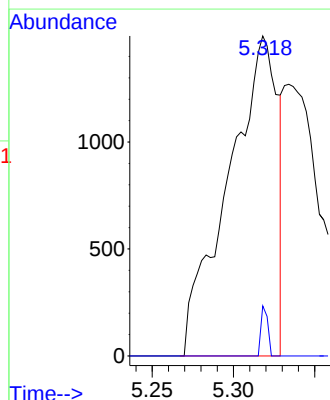
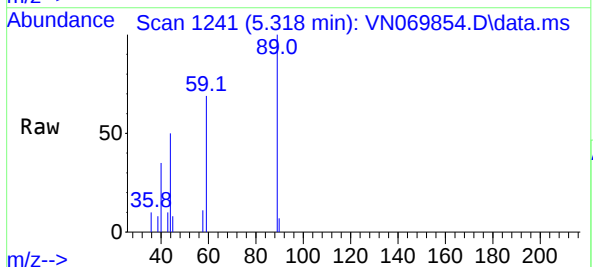
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBL01

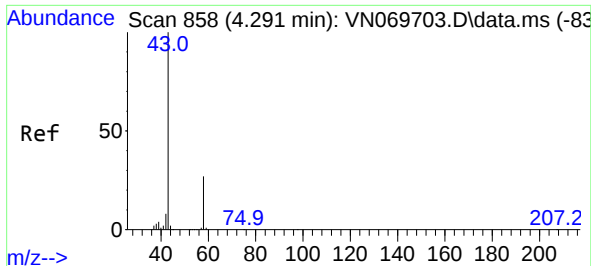
Tgt Ion:168 Resp: 1306311
Ion Ratio Lower Upper
168 100
99 60.4 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.824 ug/l
RT: 5.318 min Scan# 1241
Delta R.T. -0.072 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

Tgt Ion: 59 Resp: 3143
Ion Ratio Lower Upper
59 100
57 2.1 8.7 13.1#

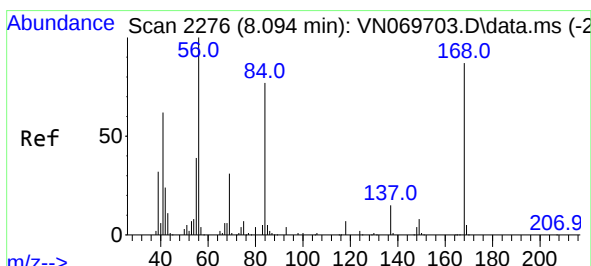
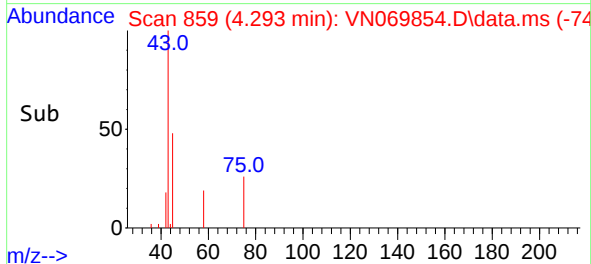
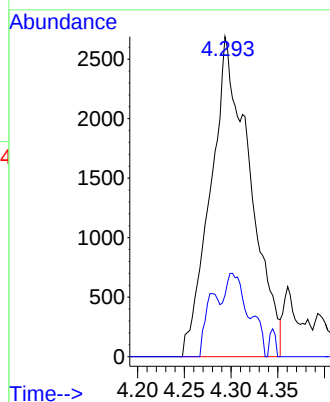
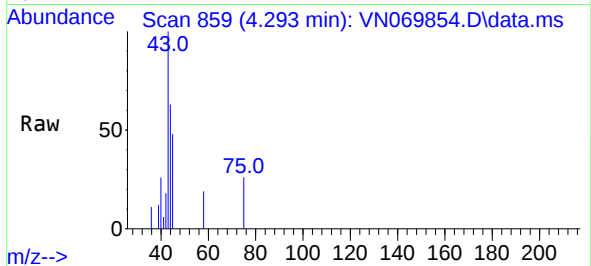




#16
Acetone
Concen: 0.649 ug/l
RT: 4.293 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

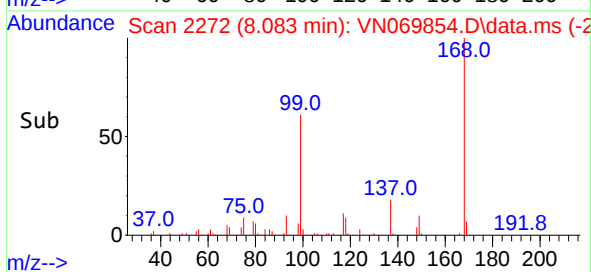
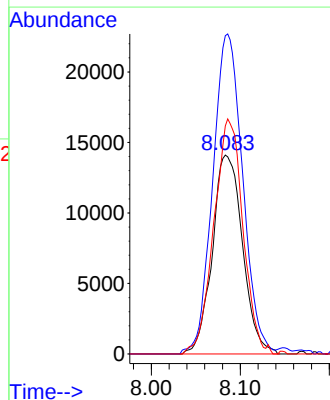
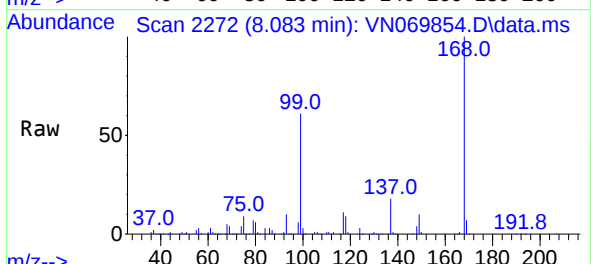
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBL01

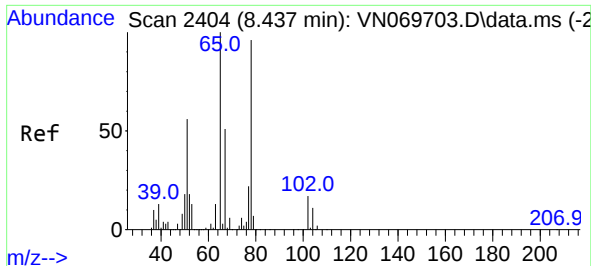
Tgt Ion: 43 Resp: 7877
Ion Ratio Lower Upper
43 100
58 19.2 23.1 34.7#



#31
Cyclohexane
Concen: 1.185 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.010 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

Tgt Ion: 56 Resp: 33254
Ion Ratio Lower Upper
56 100
69 160.1 27.1 40.7#
84 114.7 73.4 110.0#

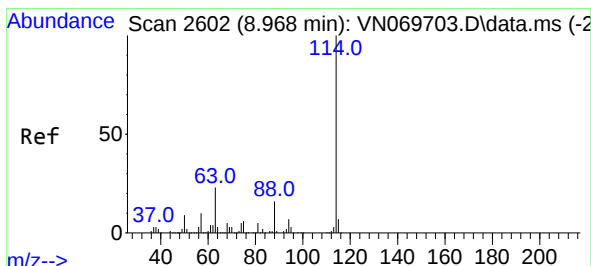
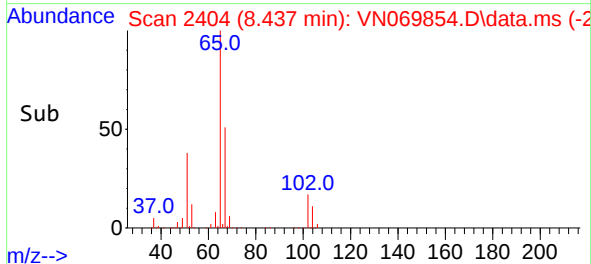
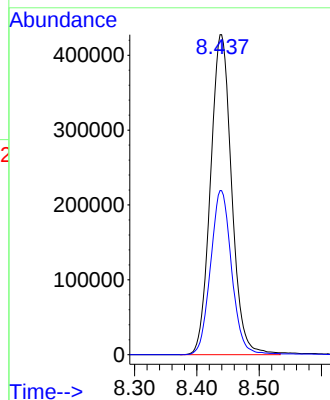
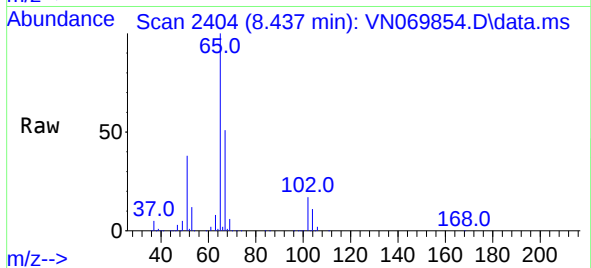




#33
 1,2-Dichloroethane-d4
 Concen: 49.964 ug/l
 RT: 8.437 min Scan# 2404
 Delta R.T. 0.000 min
 Lab File: VN069854.D
 Acq: 8 Dec 2021 12:01

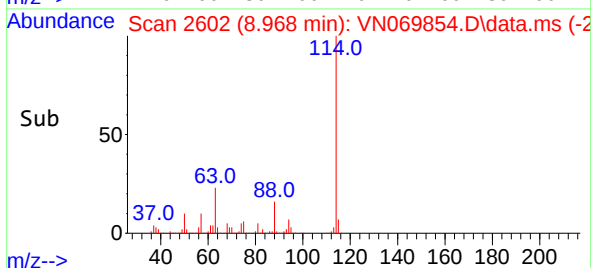
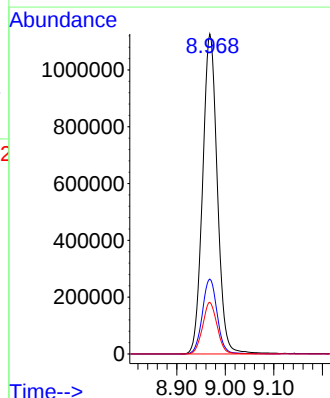
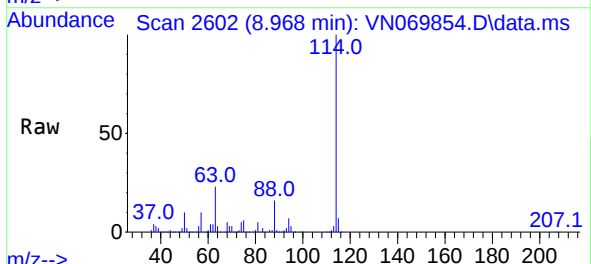
Instrument :
 MSVOA_N
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 VN1208WBL01

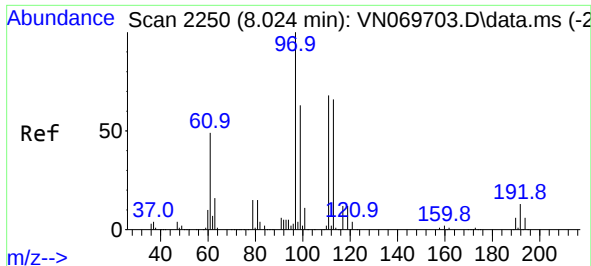
Tgt Ion: 65 Resp: 1007745
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.000 min
 Lab File: VN069854.D
 Acq: 8 Dec 2021 12:01

Tgt Ion: 114 Resp: 2372097
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 37.8
 88 16.1 0.0 27.4

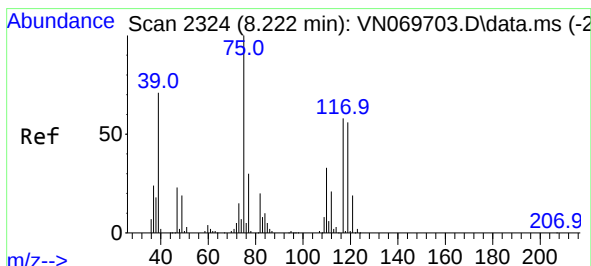
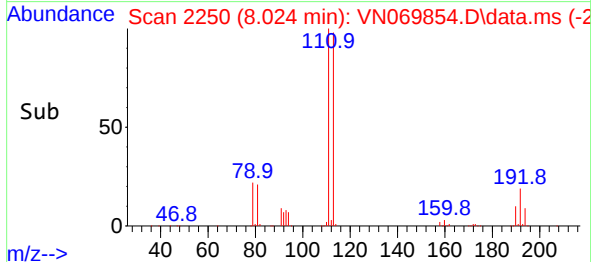
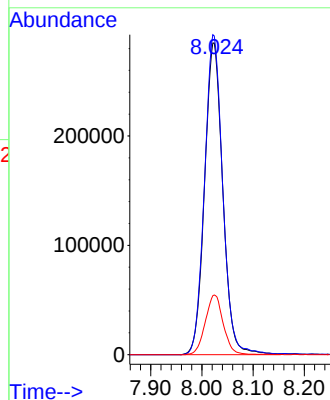
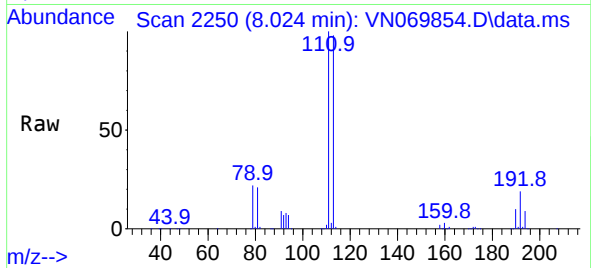




#35
Dibromofluoromethane
Concen: 47.513 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

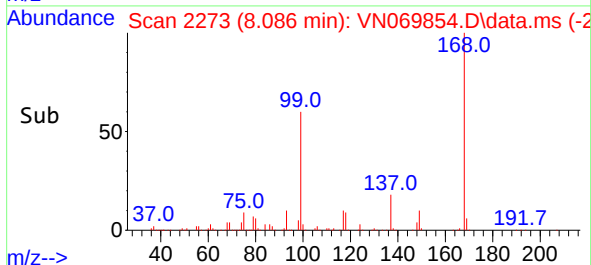
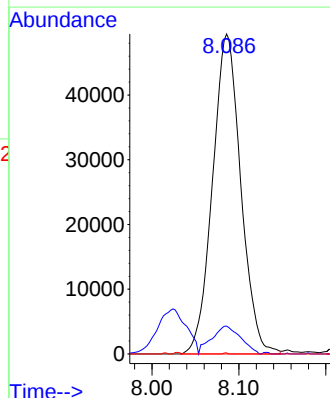
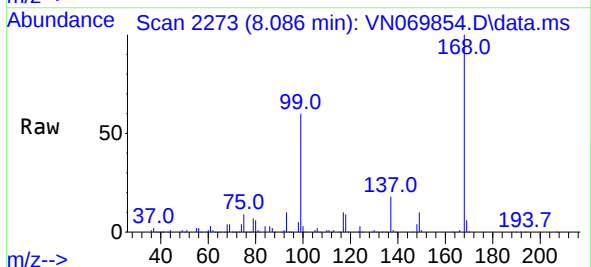
Instrument :
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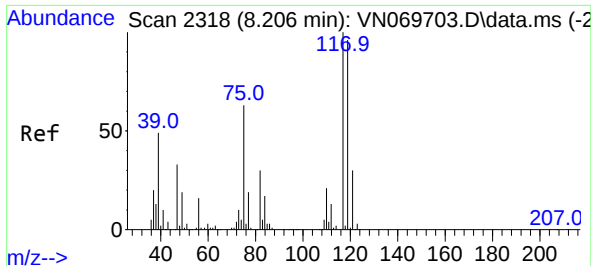
Tgt Ion:113 Resp: 705962
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 18.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.941 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

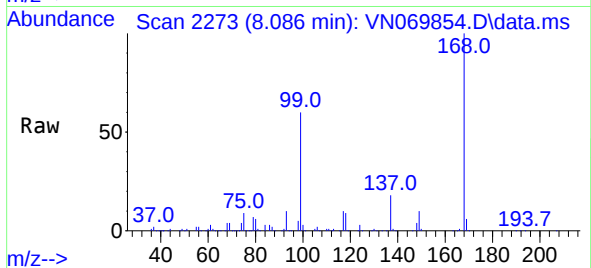
Tgt Ion: 75 Resp: 111586
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 24.4 36.6#



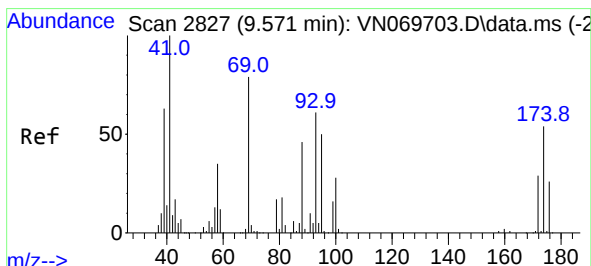
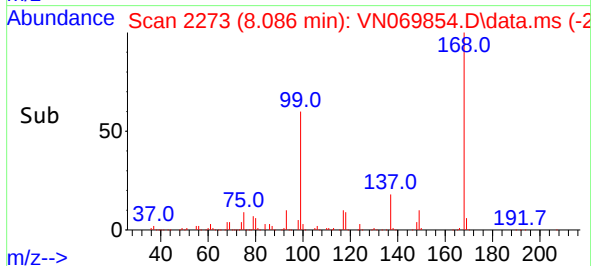
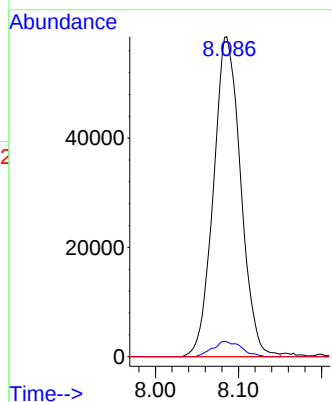


#38
Carbon Tetrachloride
Concen: 6.021 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBL01

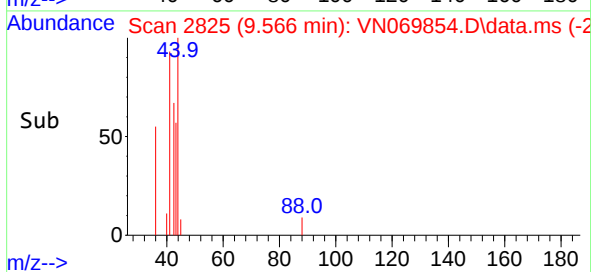
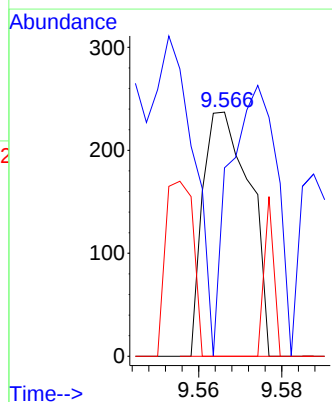
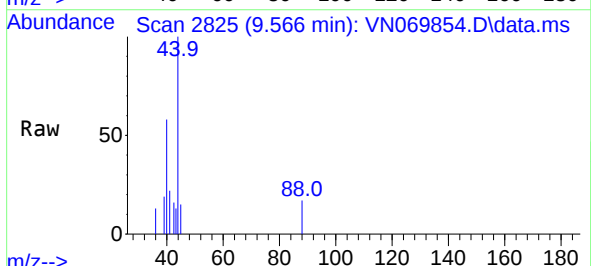


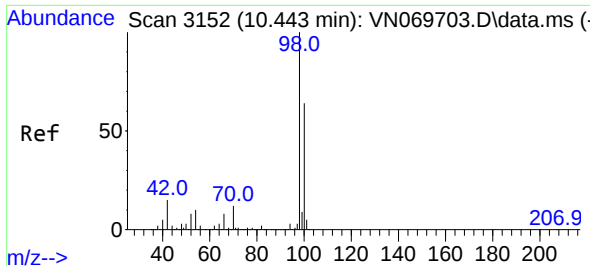
Tgt Ion:117 Resp: 133326
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 0.447 ug/l
RT: 9.566 min Scan# 2825
Delta R.T. -0.005 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

Tgt Ion: 88 Resp: 186
Ion Ratio Lower Upper
88 100
43 110.8 23.4 35.2#
58 13.4 50.6 75.8#

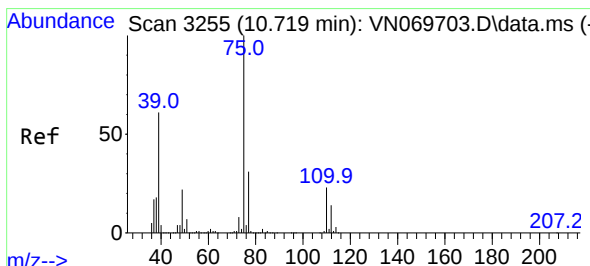
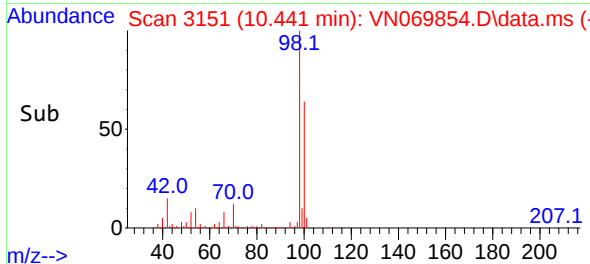
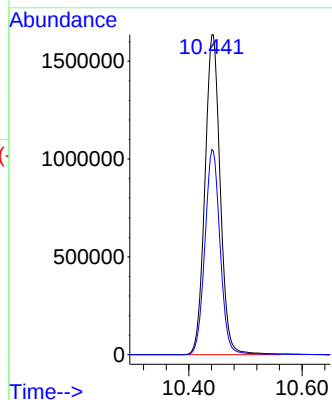
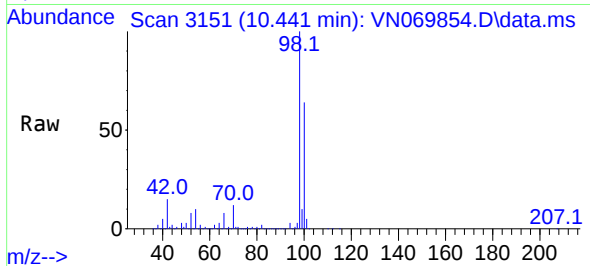




#50
Toluene-d8
Concen: 51.352 ug/l
RT: 10.441 min Scan# 3152
Delta R.T. -0.002 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

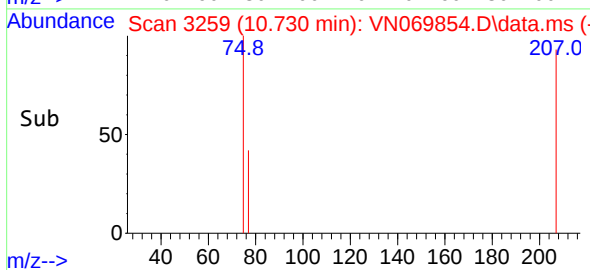
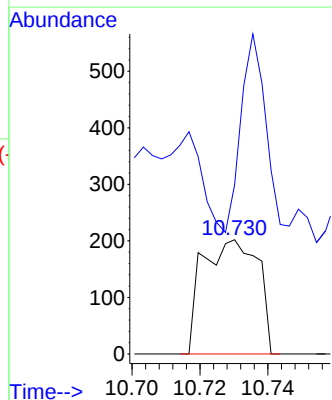
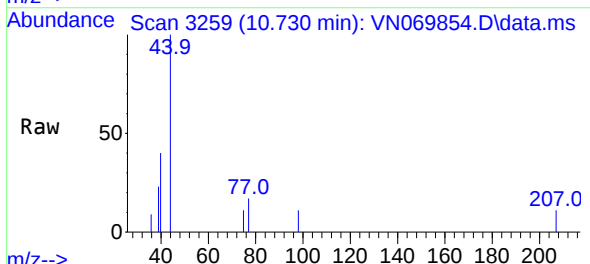
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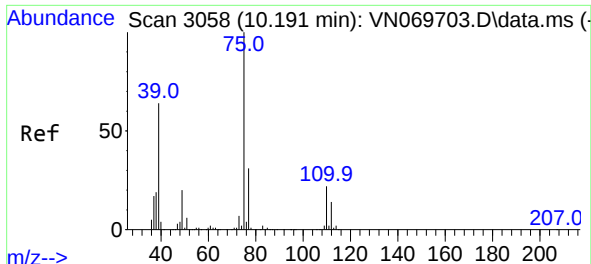
Tgt Ion: 98 Resp: 3063696
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.802 ug/l
RT: 10.730 min Scan# 3259
Delta R.T. 0.011 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

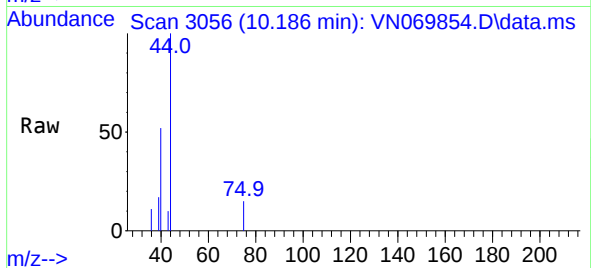
Tgt Ion: 75 Resp: 228
Ion Ratio Lower Upper
75 100
77 34.7 25.6 38.4



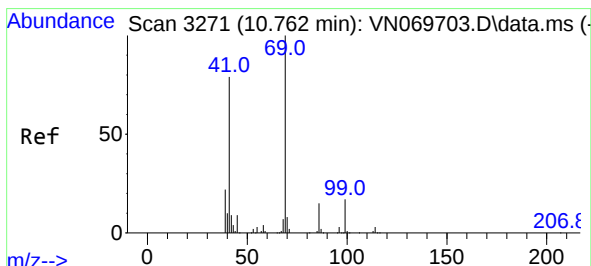
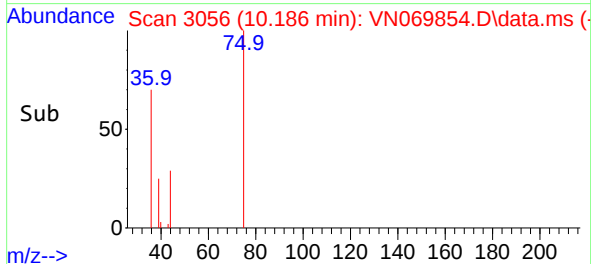
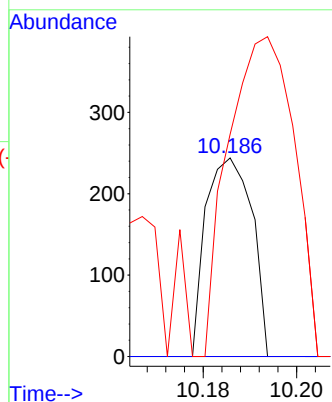


#54
cis-1,3-Dichloropropene
Concen: 2.004 ug/l
RT: 10.186 min Scan# 3058
Delta R.T. -0.005 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBL01

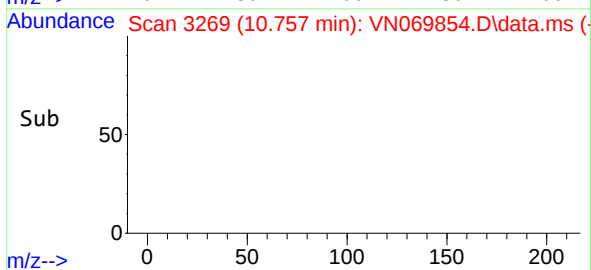
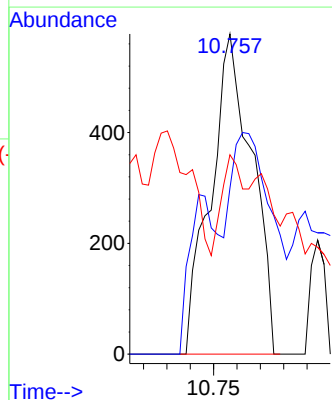
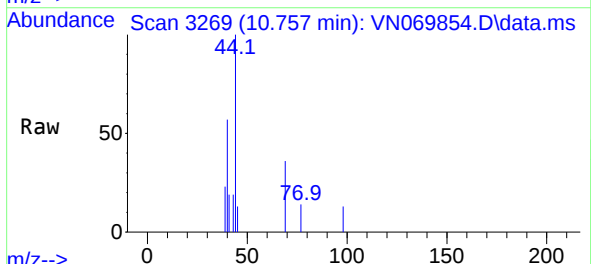


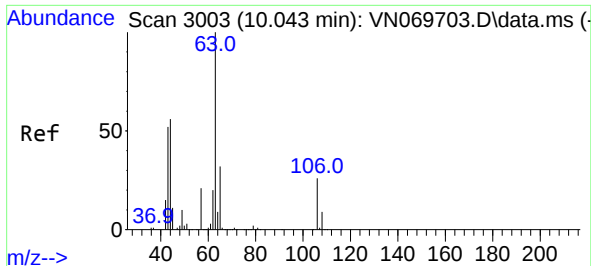
Tgt Ion: 75 Resp: 168
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 48.0 42.5 63.7



#56
Ethyl methacrylate
Concen: 2.300 ug/l
RT: 10.757 min Scan# 3269
Delta R.T. -0.005 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

Tgt Ion: 69 Resp: 710
Ion Ratio Lower Upper
69 100
41 41.8 51.4 77.0#
39 17.6 34.6 52.0#

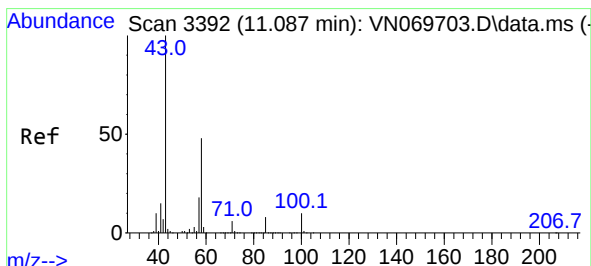
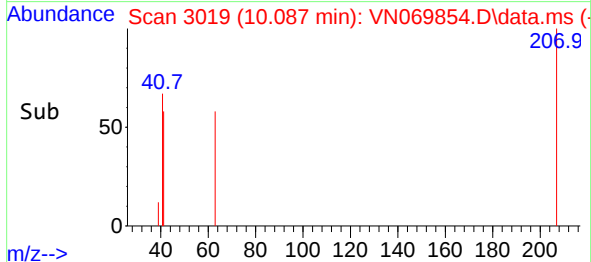
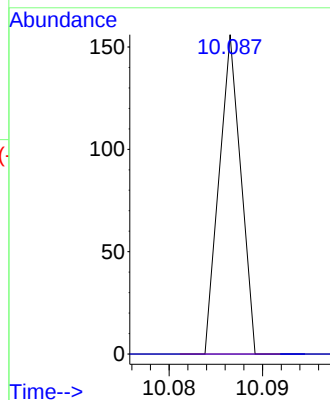
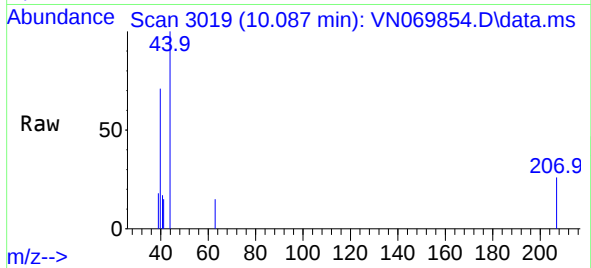




#58
2-Chloroethyl Vinyl ether
Concen: 18.392 ug/l
RT: 10.087 min Scan# 3003
Delta R.T. 0.044 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

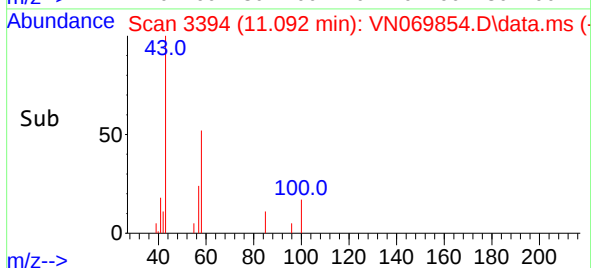
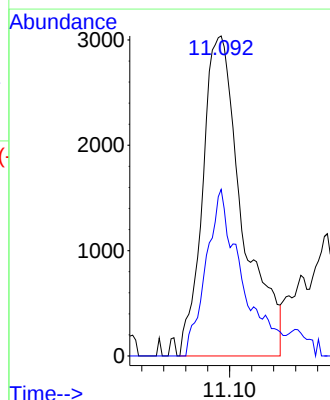
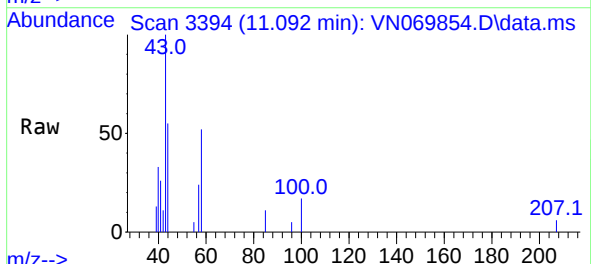
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBL01

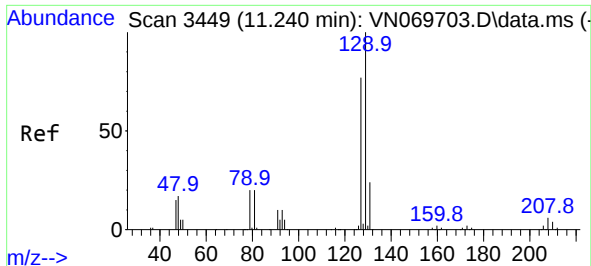
Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.312 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

Tgt Ion: 43 Resp: 7613
Ion Ratio Lower Upper
43 100
58 47.2 26.9 80.7

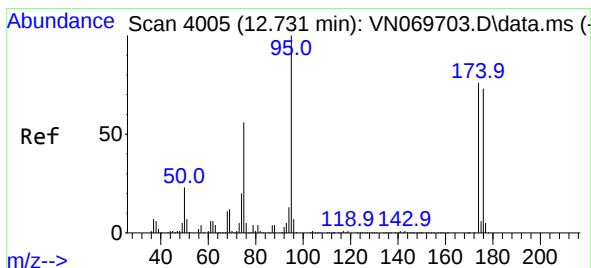
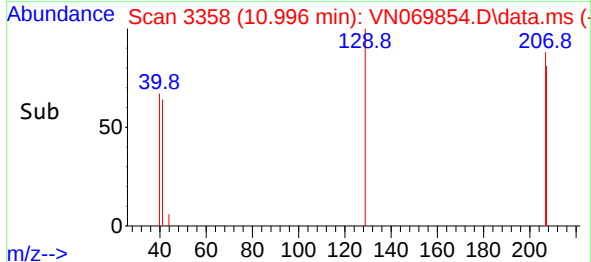
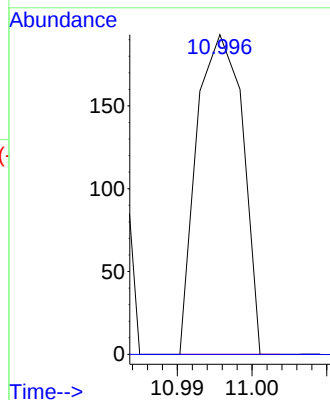
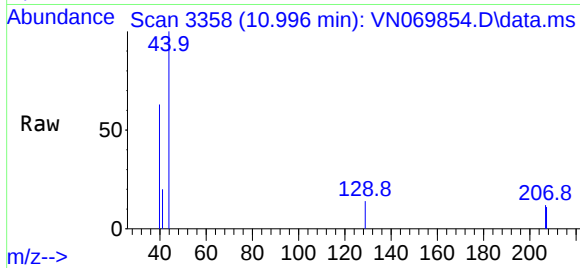




#60
Dibromochloromethane
Concen: 2.380 ug/l
RT: 10.996 min Scan# 31
Delta R.T. -0.244 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

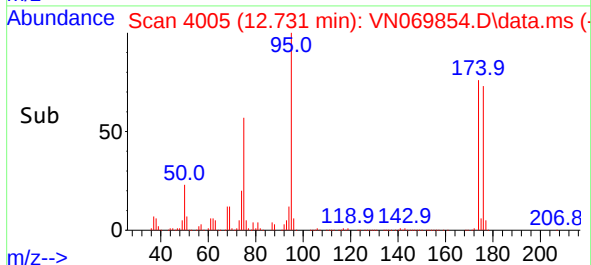
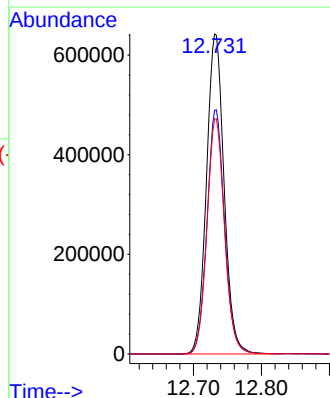
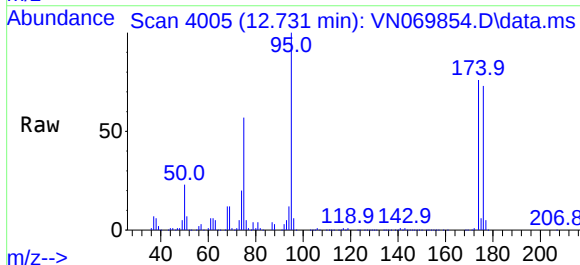
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBL01

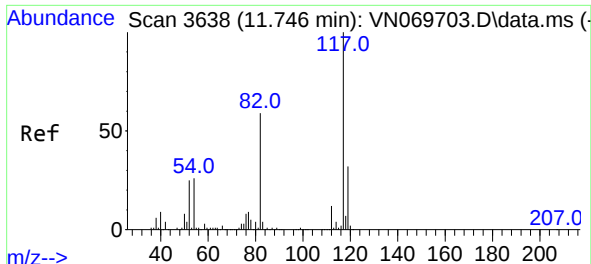
Tgt Ion:129 Resp: 82
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 53.464 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

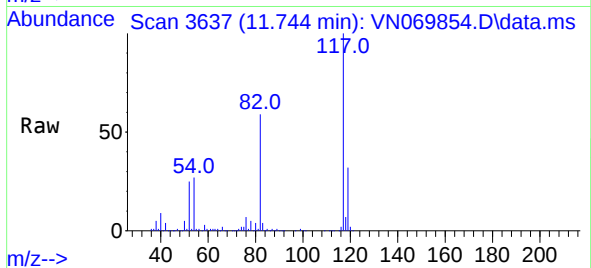
Tgt Ion: 95 Resp: 1155559
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 73.2 0.0 181.4





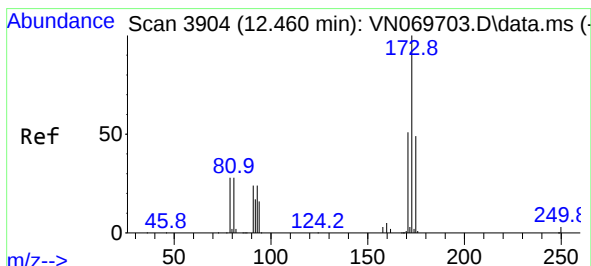
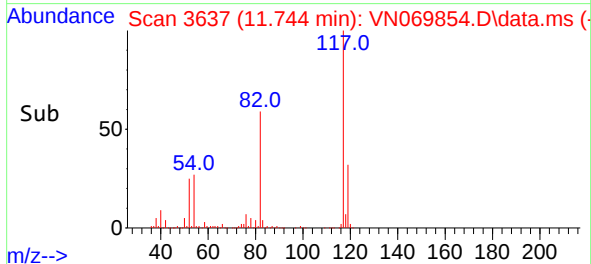
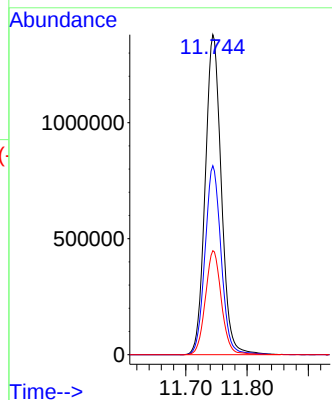
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBL01



Tgt Ion:117 Resp: 2520909

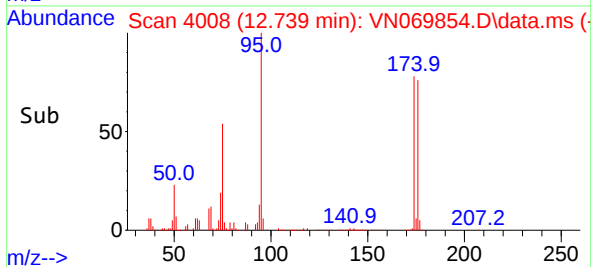
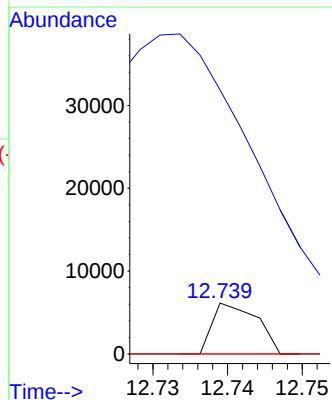
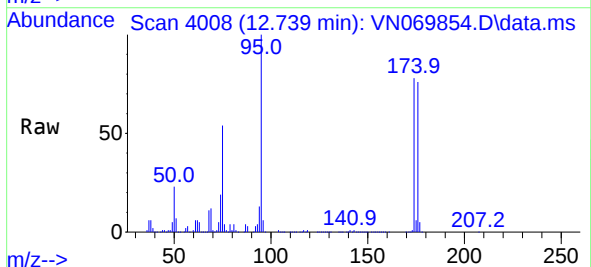
Ion	Ratio	Lower	Upper
117	100		
82	59.0	42.4	63.6
119	32.5	25.4	38.2

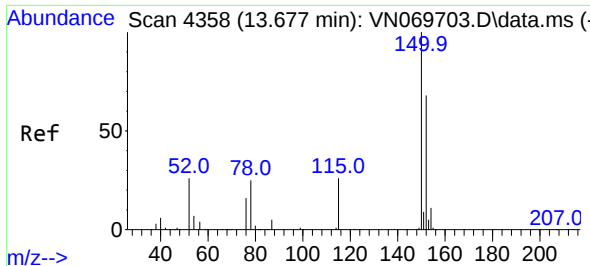


#71
Bromoform
Concen: 2.886 ug/l
RT: 12.739 min Scan# 4008
Delta R.T. 0.279 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

Tgt Ion:173 Resp: 2533

Ion	Ratio	Lower	Upper
173	100		
175	2527.9	24.2	72.6#
254	0.0	0.0	0.0

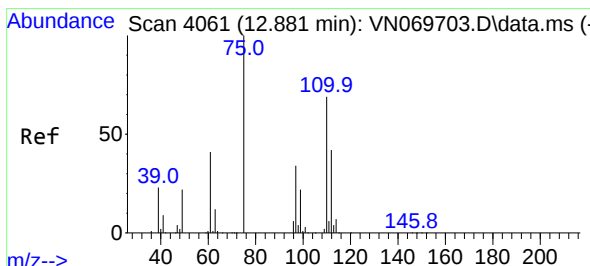
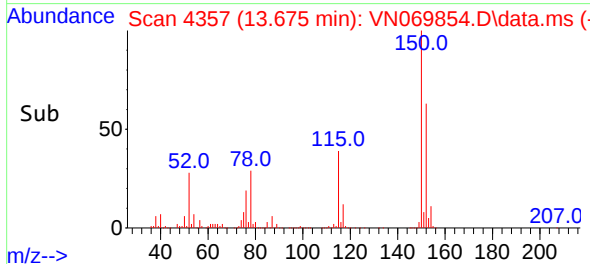
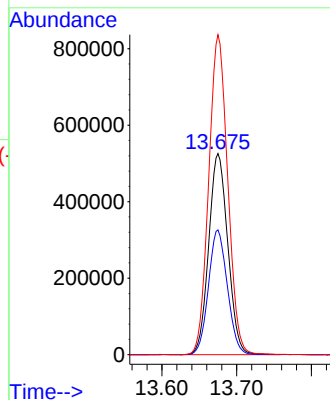
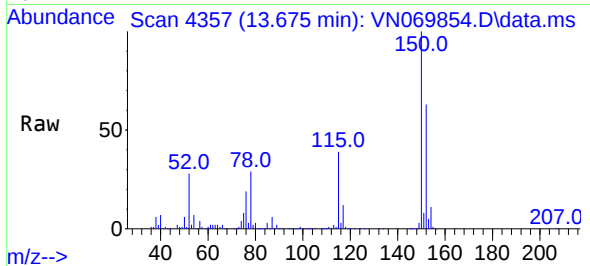




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.002 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

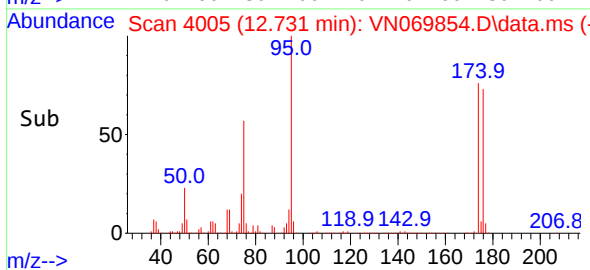
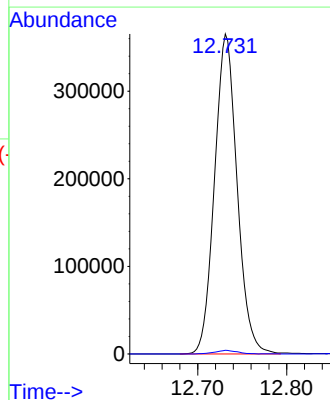
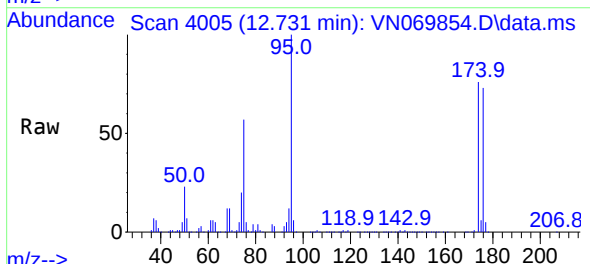
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBL01

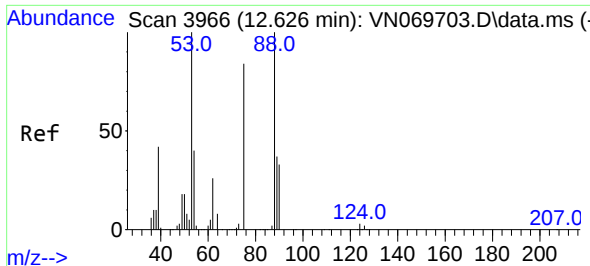
Tgt Ion:152 Resp: 935029
Ion Ratio Lower Upper
152 100
115 61.3 27.5 82.5
150 157.9 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 23.997 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

Tgt Ion: 75 Resp: 643465
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

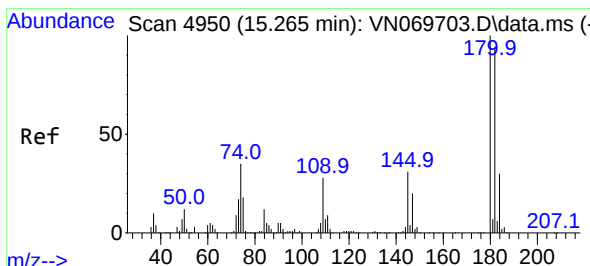
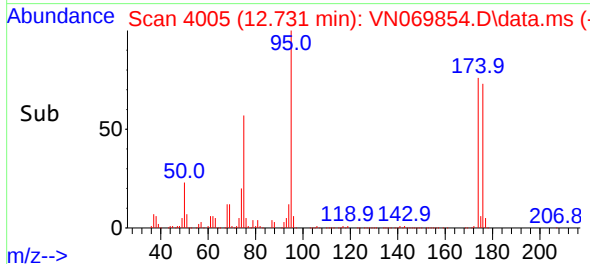
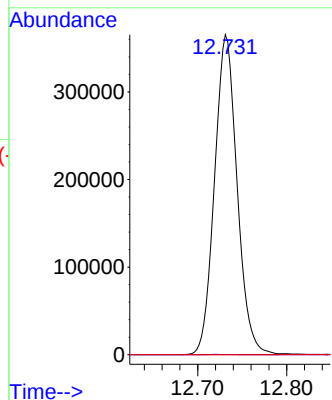
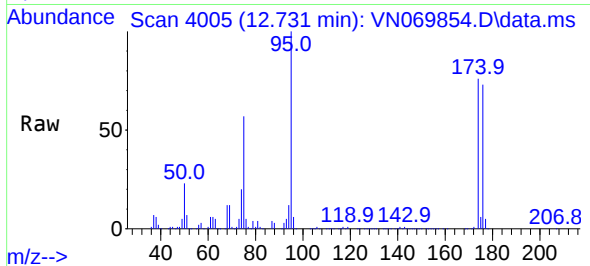




#81
trans-1,4-Dichloro-2-butene
Concen: 76.221 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

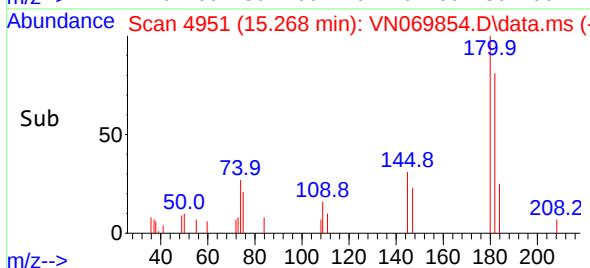
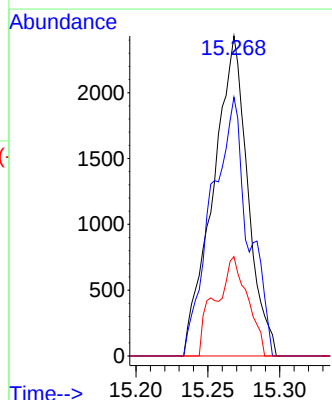
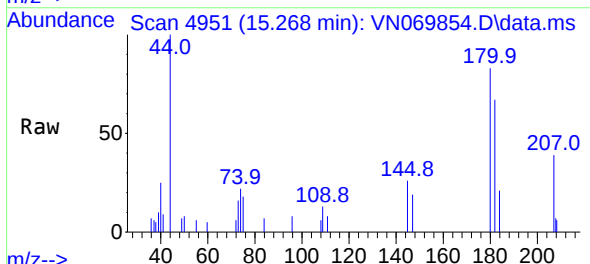
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBL01

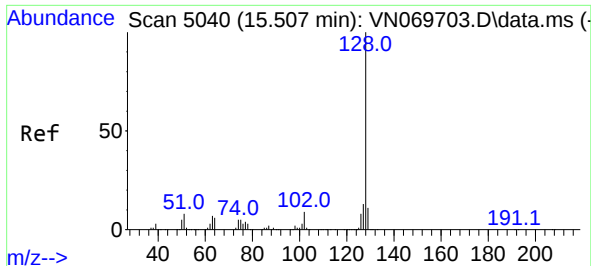
Tgt Ion: 75 Resp: 643465
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.128 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

Tgt Ion:180 Resp: 4069
Ion Ratio Lower Upper
180 100
182 86.3 48.3 144.9
145 20.9 14.5 43.5

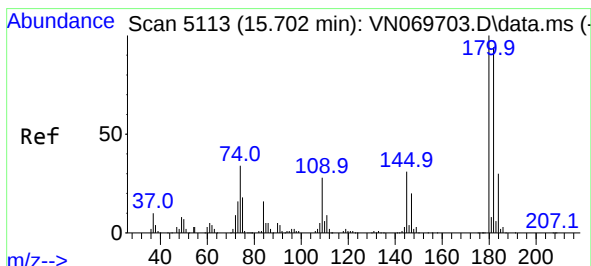
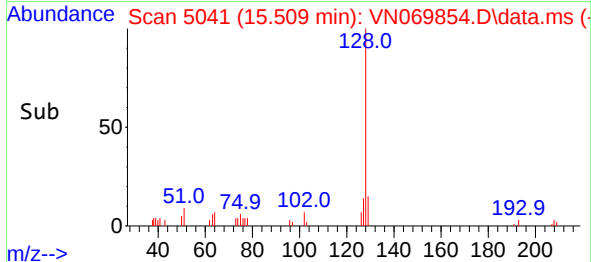
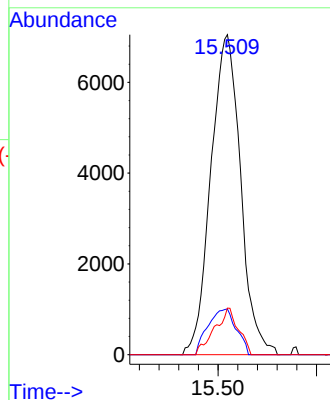
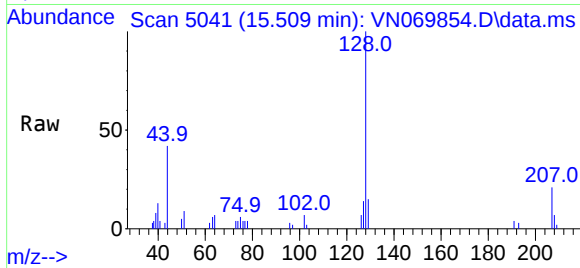




#95
Naphthalene
Concen: 4.284 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBL01

Tgt Ion:	128	Resp:	14820
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.5	15.7
129	11.6	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.700 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.001 min
Lab File: VN069854.D
Acq: 8 Dec 2021 12:01

Tgt Ion:	180	Resp:	4161
Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.4	142.2
145	29.9	15.0	45.1

