

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102721\
 Data File : VN069215.D
 Acq On : 27 Oct 2021 13:51
 Operator : JC/MD
 Sample : M4337-21DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 28 05:20:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

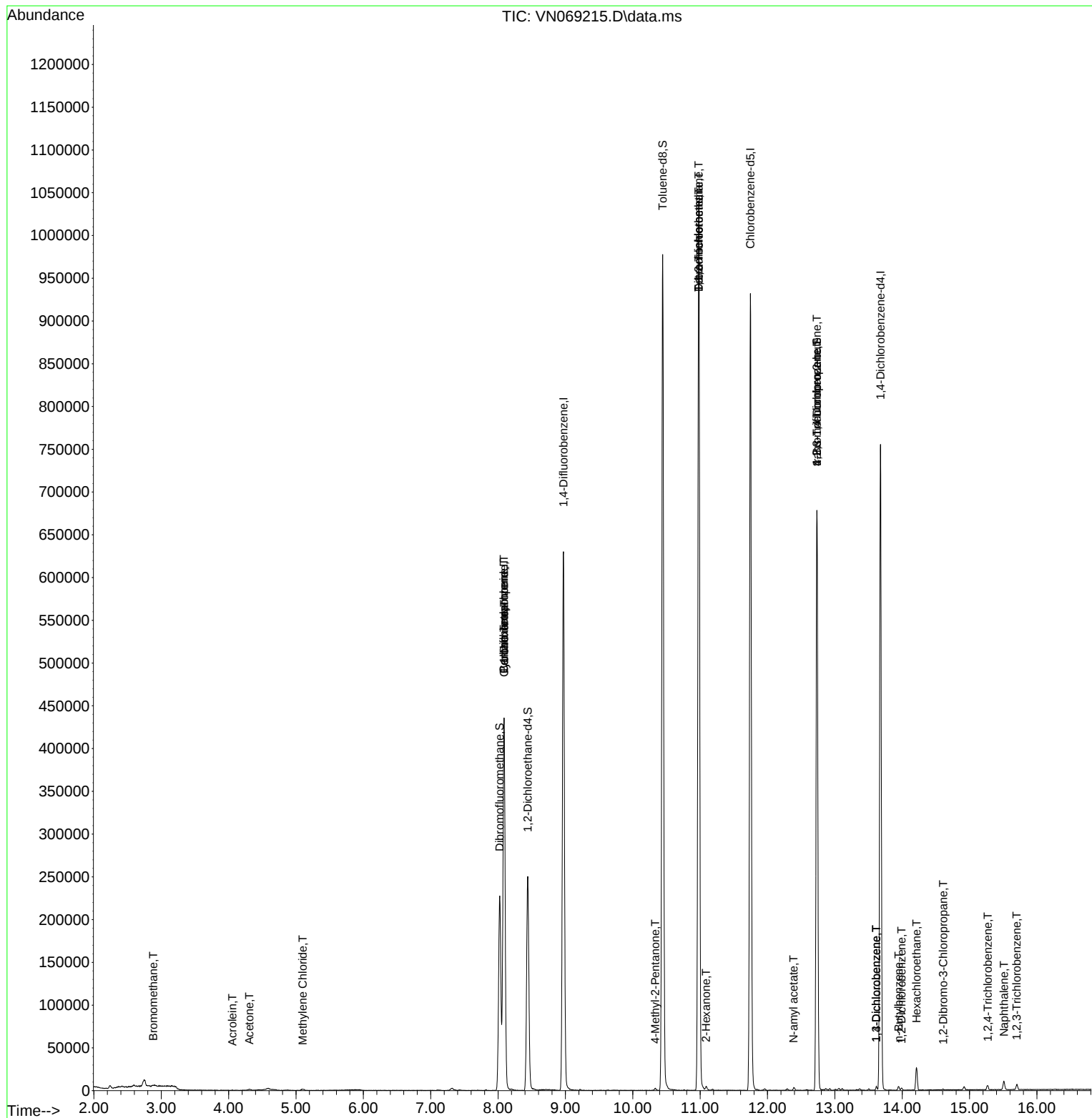
Internal Standards						
1) Pentafluorobenzene	8.088	168	325925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	566754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	549842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	198881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	216210	50.314	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 100.620%		
35) Dibromofluoromethane	8.024	113	166394	50.462	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 100.920%		
50) Toluene-d8	10.443	98	711121	53.899	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 107.800%		
62) 4-Bromofluorobenzene	12.733	95	250193	50.262	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 100.520%		
Target Compounds						
						Qvalue
5) Bromomethane	2.880	94	1030	0.463	ug/l	96
13) Acrolein	4.057	56	82	0.236	ug/l	88
16) Acetone	4.307	43	1233	0.769	ug/l #	88
20) Methylene Chloride	5.101	84	822	0.223	ug/l	90
31) Cyclohexane	8.091	56	7640	1.143	ug/l #	18
36) 1,1-Dichloropropene	8.088	75	27402	5.660	ug/l #	49
38) Carbon Tetrachloride	8.088	117	34272	6.446	ug/l #	15
51) 4-Methyl-2-Pentanone	10.333	43	1791	0.350	ug/l #	86
55) 1,1,2-Trichloroethane	10.977	97	2166	0.579	ug/l #	4
59) 2-Hexanone	11.087	43	4294	1.171	ug/l	82
60) Dibromochloromethane	10.979	129	236720	56.086	ug/l #	10
64) Tetrachloroethene	10.979	164	235027	66.354	ug/l	99
74) N-amyl acetate	12.387	43	2136	0.341	ug/l #	94
76) 1,2,3-Trichloropropane	12.733	75	131927	31.176	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	131927	74.588	ug/l #	12
87) 1,3-Dichlorobenzene	13.613	146	1318	0.208	ug/l	96
88) 1,4-Dichlorobenzene	13.613	146	1318	0.210	ug/l	97
89) n-Butylbenzene	13.946	91	3105	0.280	ug/l	97
90) Hexachloroethane	14.211	117	4430	1.582	ug/l	95
91) 1,2-Dichlorobenzene	13.991	146	1335	0.217	ug/l	88
92) 1,2-Dibromo-3-Chloropr...	14.608	75	193	0.209	ug/l #	56
93) 1,2,4-Trichlorobenzene	15.271	180	2320	3.260	ug/l	94
95) Naphthalene	15.509	128	10369	4.849	ug/l	98
96) 1,2,3-Trichlorobenzene	15.700	180	2507	3.263	ug/l	96

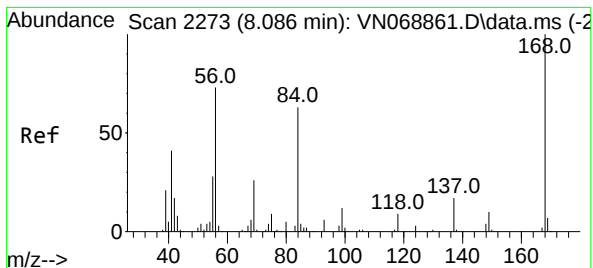
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102721\
Data File : VN069215.D
Acq On : 27 Oct 2021 13:51
Operator : JC/MD
Sample : M4337-21DL 10X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 28 05:20:59 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN069215.D

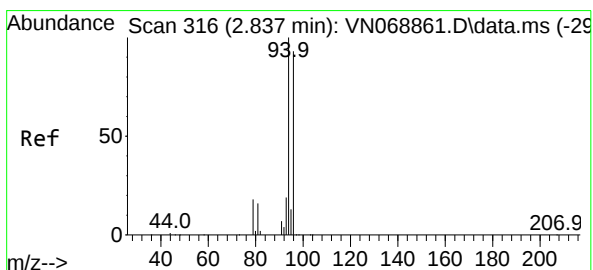
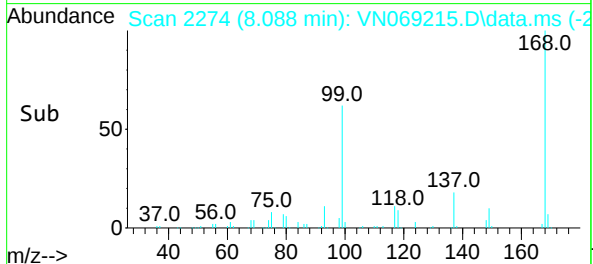
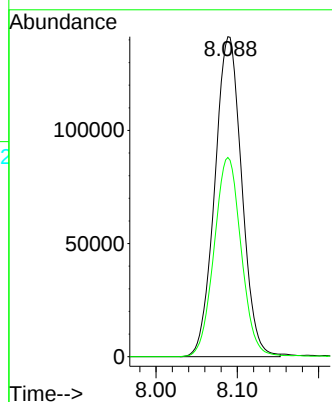
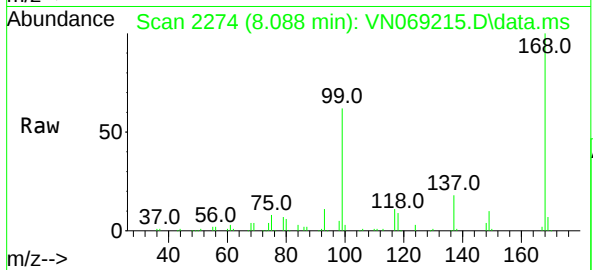
Acq: 27 Oct 2021 13:51

Tgt Ion:168 Resp: 325925

Ion Ratio Lower Upper

168 100

99 62.3 48.9 73.3



#5

Bromomethane

Concen: 0.463 ug/l

RT: 2.880 min Scan# 332

Delta R.T. 0.043 min

Lab File: VN069215.D

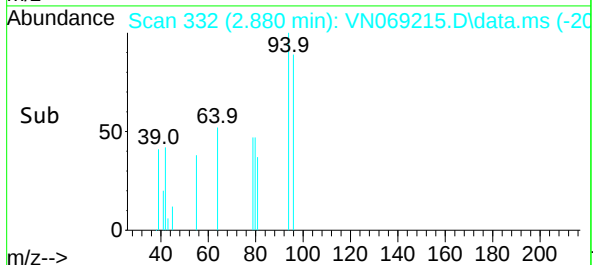
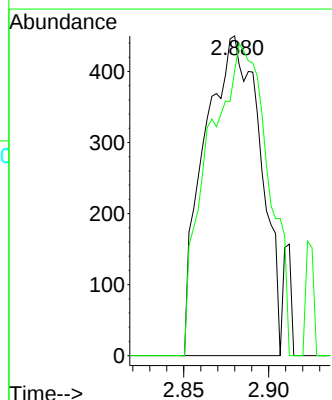
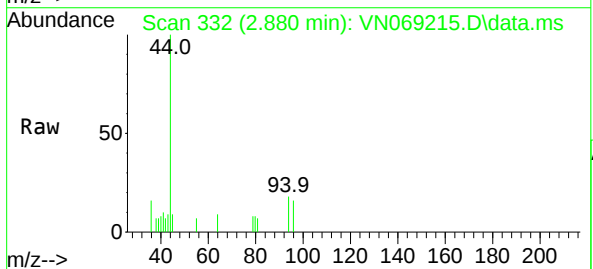
Acq: 27 Oct 2021 13:51

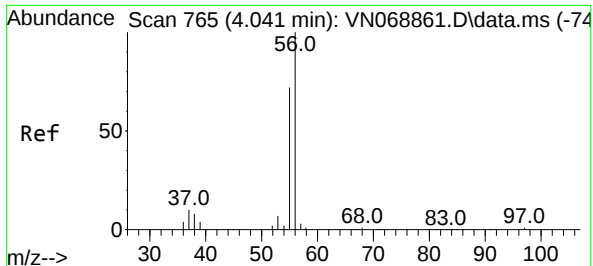
Tgt Ion: 94 Resp: 1030

Ion Ratio Lower Upper

94 100

96 89.1 74.2 111.4

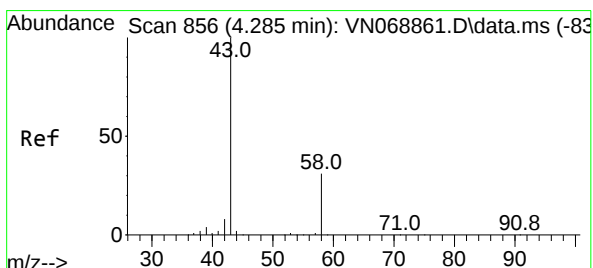
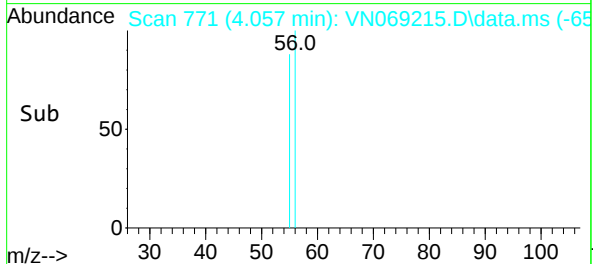
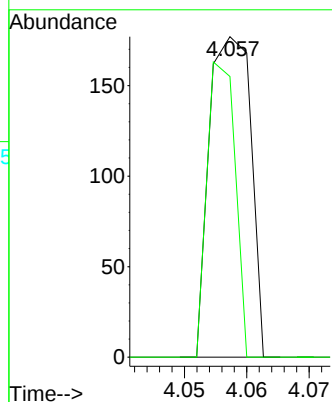
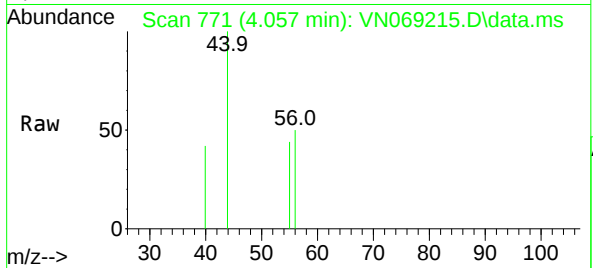




#13
Acrolein
Concen: 0.236 ug/l
RT: 4.057 min Scan# 771
Delta R.T. 0.016 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

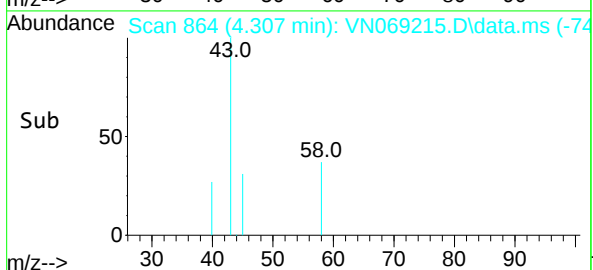
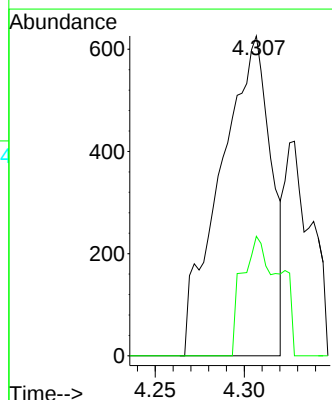
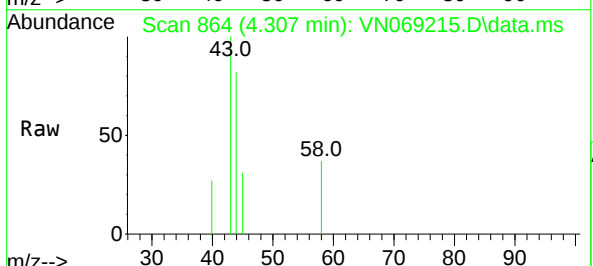
Instrument :
MSVOA_N
ClientSampled :

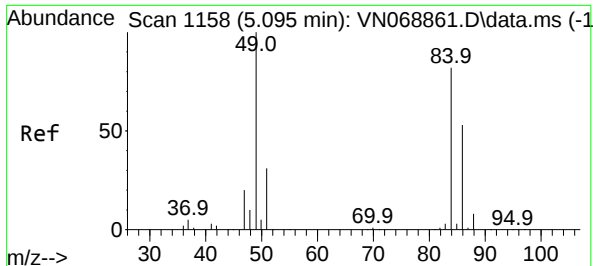
Tgt Ion: 56 Resp: 82
Ion Ratio Lower Upper
56 100
55 62.2 58.1 87.1



#16
Acetone
Concen: 0.769 ug/l
RT: 4.307 min Scan# 864
Delta R.T. 0.021 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

Tgt Ion: 43 Resp: 1233
Ion Ratio Lower Upper
43 100
58 37.4 24.5 36.7#





#20

Methylene Chloride

Concen: 0.223 ug/l

RT: 5.101 min Scan# 1160

Delta R.T. 0.005 min

Lab File: VN069215.D

Acq: 27 Oct 2021 13:51

Tgt Ion: 84 Resp: 822

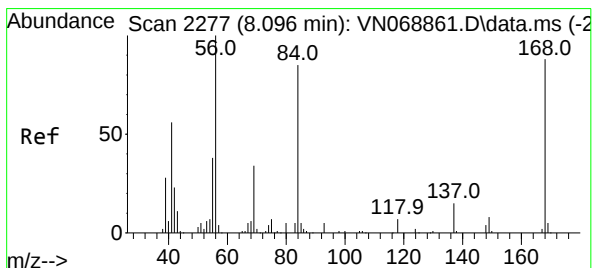
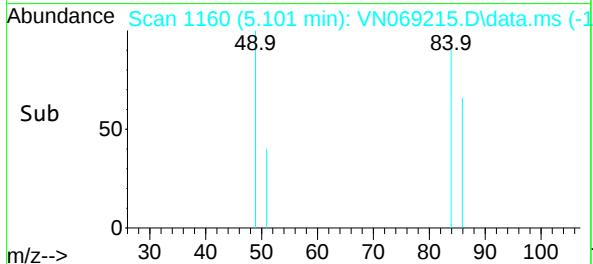
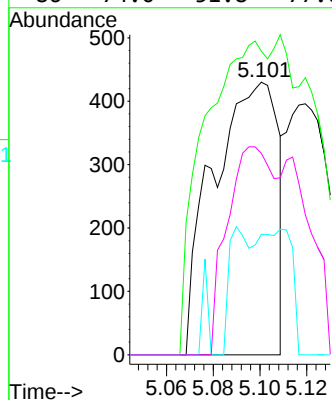
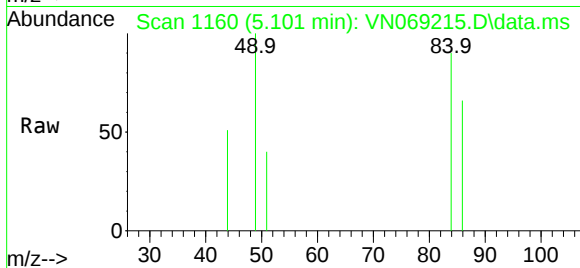
Ion Ratio Lower Upper

84 100

49 111.4 97.6 146.4

51 44.2 30.3 45.5

86 74.0 51.8 77.6



#31

Cyclohexane

Concen: 1.143 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.005 min

Lab File: VN069215.D

Acq: 27 Oct 2021 13:51

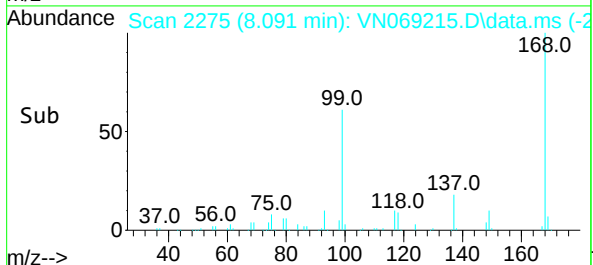
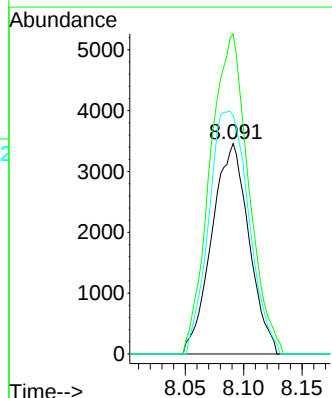
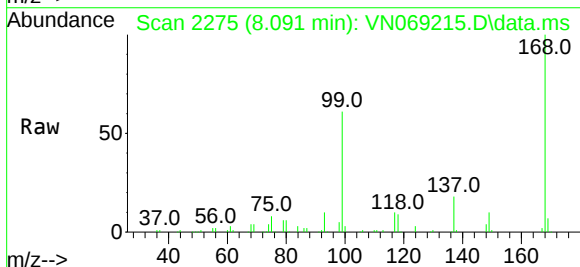
Tgt Ion: 56 Resp: 7640

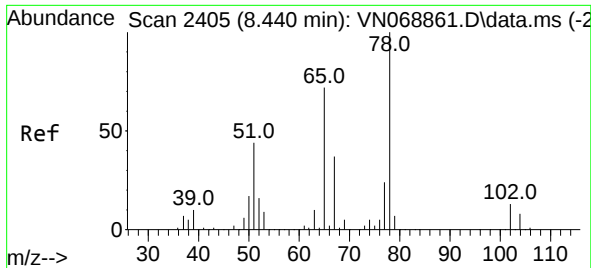
Ion Ratio Lower Upper

56 100

69 152.1 26.9 40.3#

84 113.4 67.6 101.4#

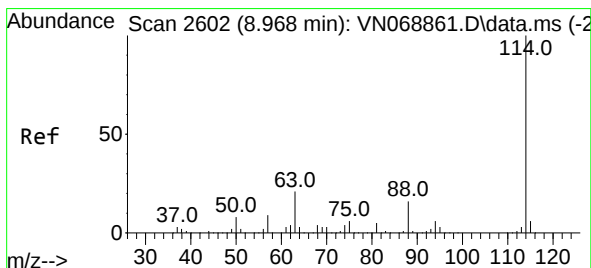
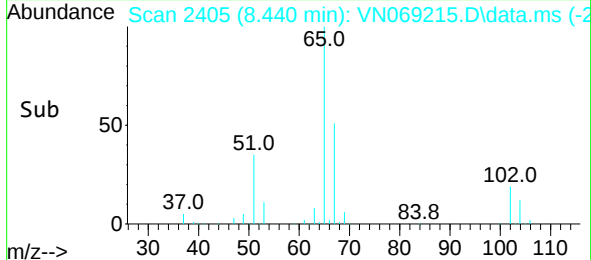
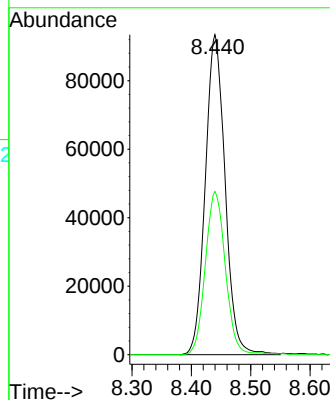
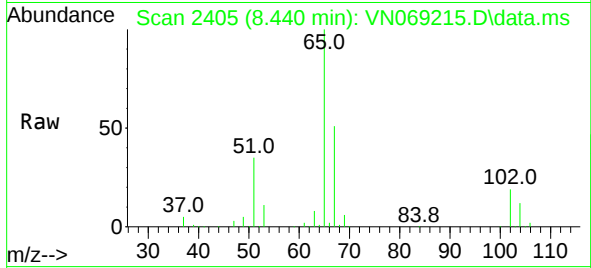




#33
 1,2-Dichloroethane-d4
 Concen: 50.314 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN069215.D
 Acq: 27 Oct 2021 13:51

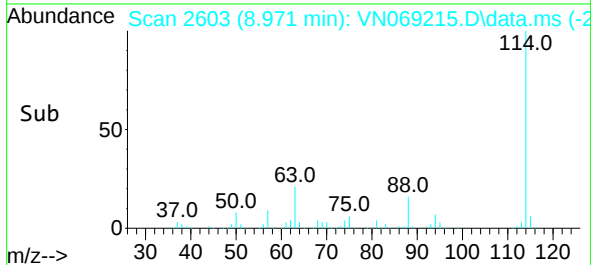
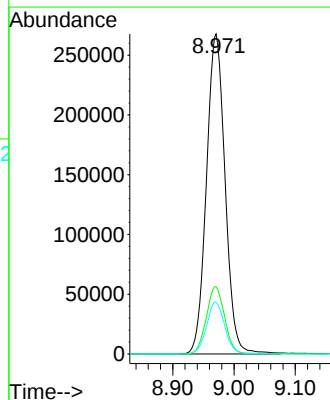
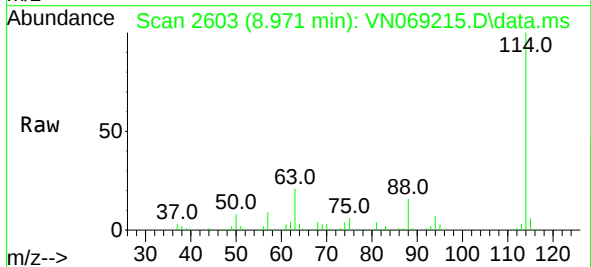
Instrument :
 MSVOA_N
 ClientSampled :

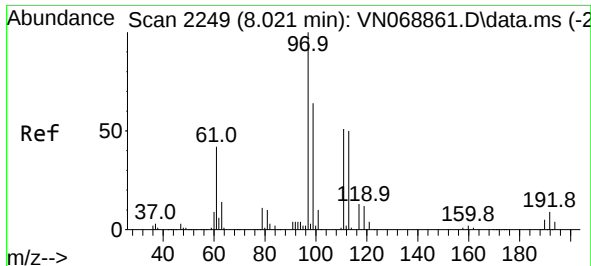
Tgt Ion: 65 Resp: 216210
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN069215.D
 Acq: 27 Oct 2021 13:51

Tgt Ion: 114 Resp: 566754
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.6
 88 16.2 0.0 32.0

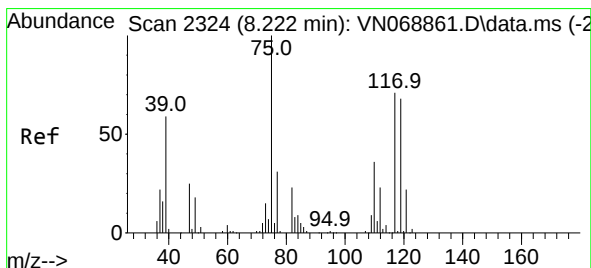
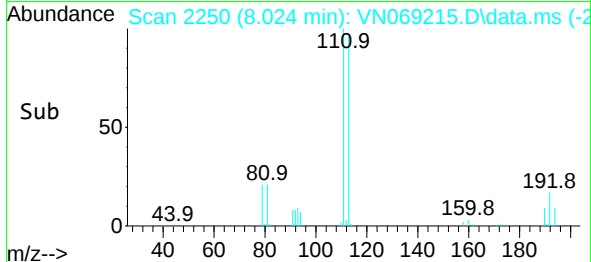
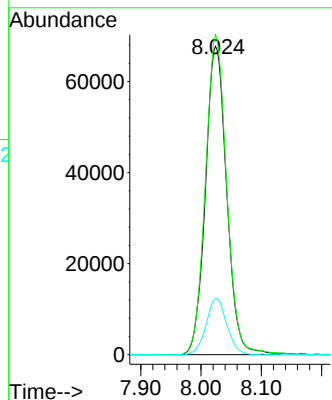
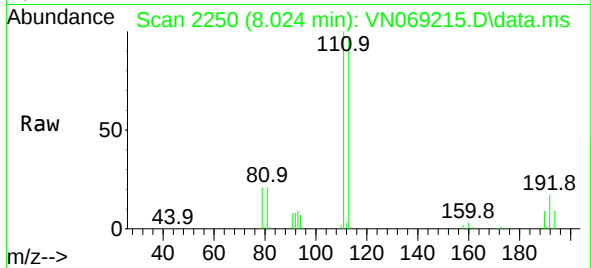




#35
Dibromofluoromethane
Concen: 50.462 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

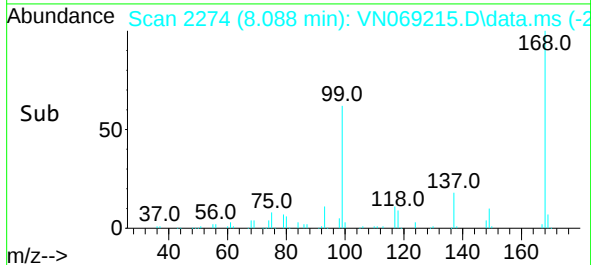
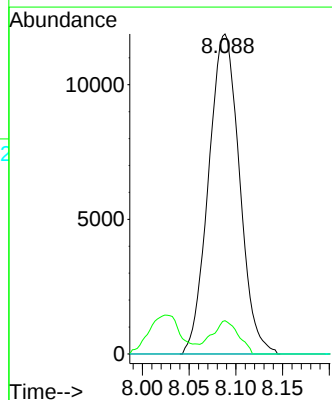
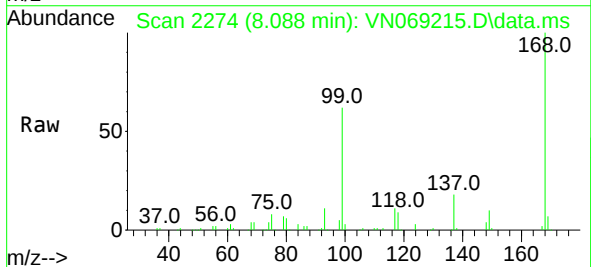
Instrument :
MSVOA_N
ClientSampleId :

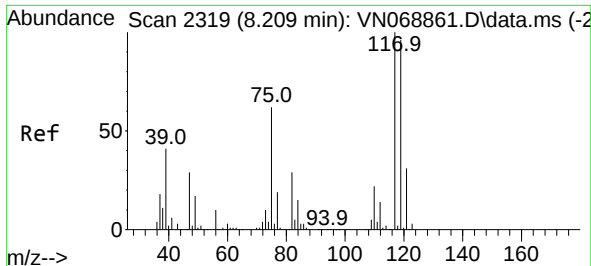
Tgt Ion:113 Resp: 166394
Ion Ratio Lower Upper
113 100
111 103.7 83.2 124.8
192 17.8 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.660 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

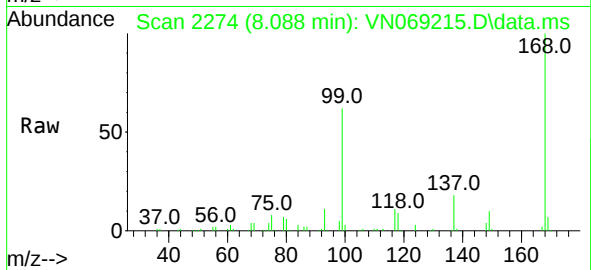
Tgt Ion: 75 Resp: 27402
Ion Ratio Lower Upper
75 100
110 8.9 17.9 53.8#
77 0.0 24.7 37.1#



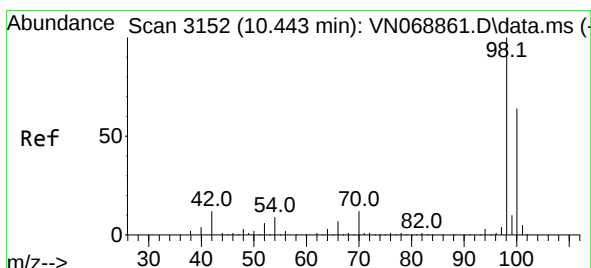
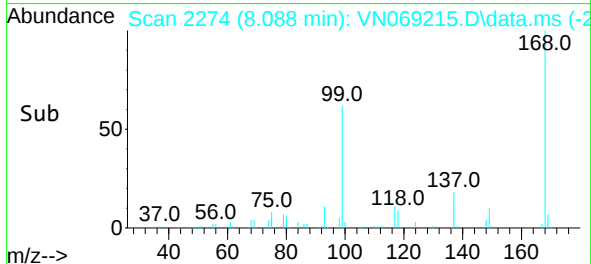
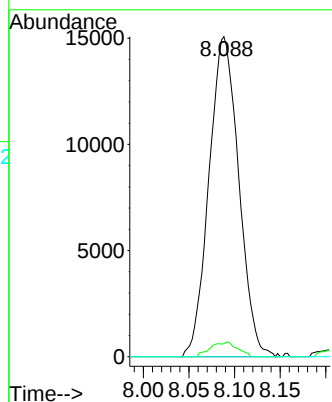


#38
Carbon Tetrachloride
Concen: 6.446 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

Instrument :
MSVOA_N
ClientSampled :

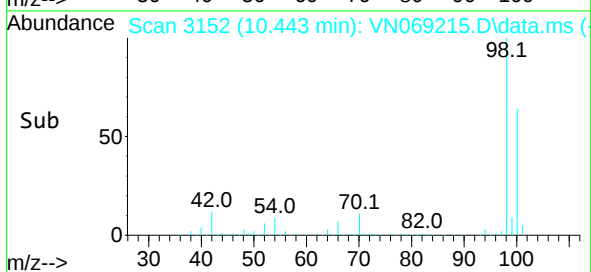
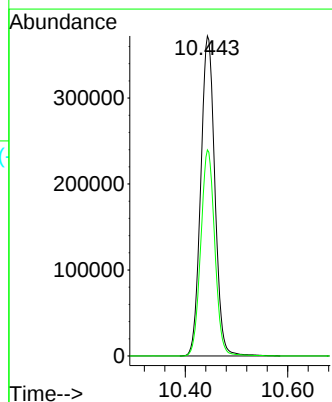
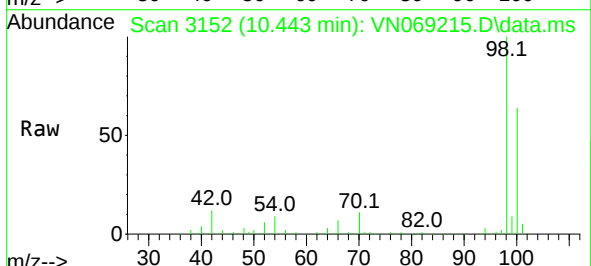


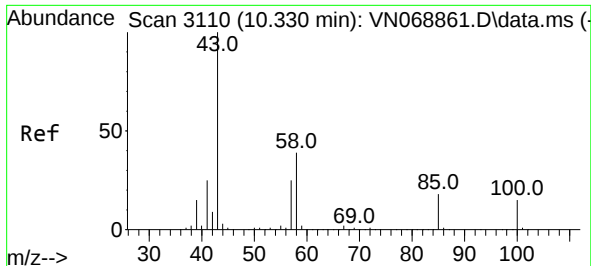
Tgt Ion:117 Resp: 34272
Ion Ratio Lower Upper
117 100
119 4.1 76.9 115.3#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 53.899 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

Tgt Ion: 98 Resp: 711121
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3

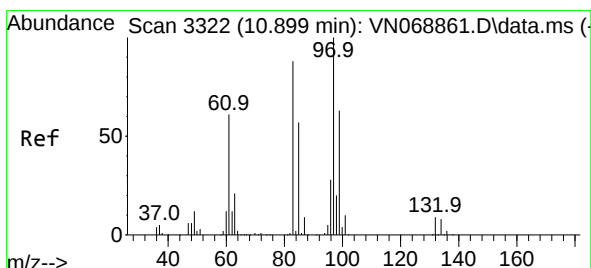
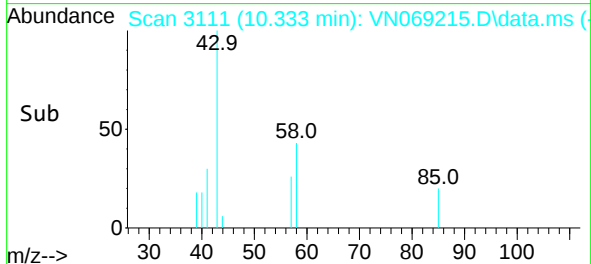
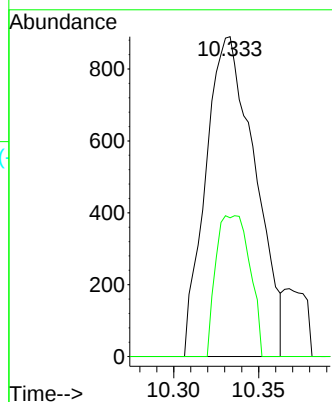
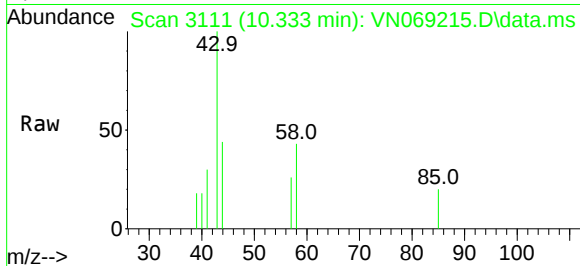




#51
4-Methyl-2-Pentanone
Concen: 0.350 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

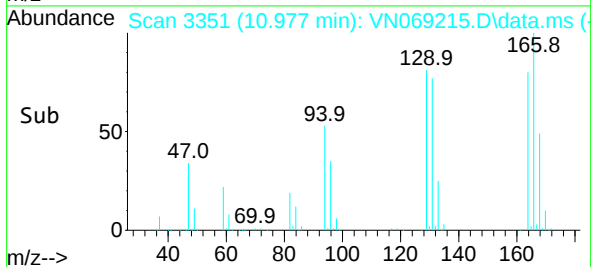
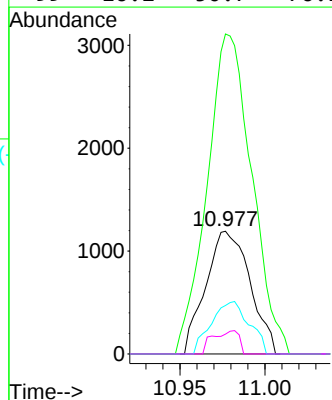
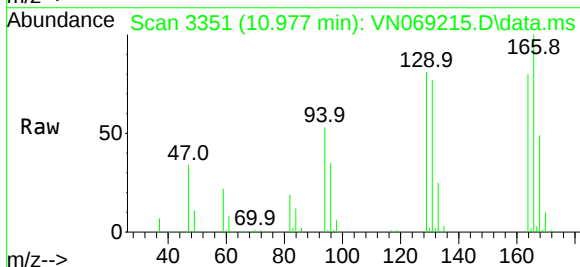
Instrument :
MSVOA_N
ClientSampleId :

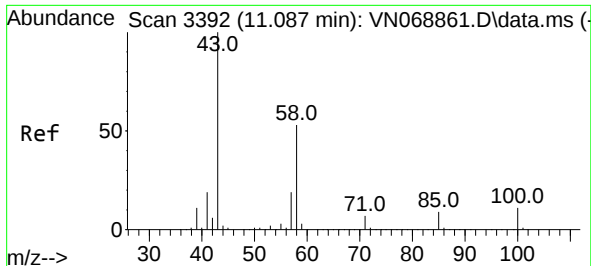
Tgt Ion: 43 Resp: 1791
Ion Ratio Lower Upper
43 100
58 30.2 31.0 46.4#



#55
1,1,2-Trichloroethane
Concen: 0.579 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. 0.078 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

Tgt Ion: 97 Resp: 2166
Ion Ratio Lower Upper
97 100
83 245.2 70.5 105.7#
85 39.4 45.3 67.9#
99 16.2 50.7 76.1#

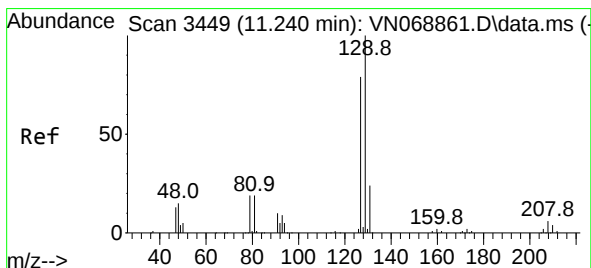
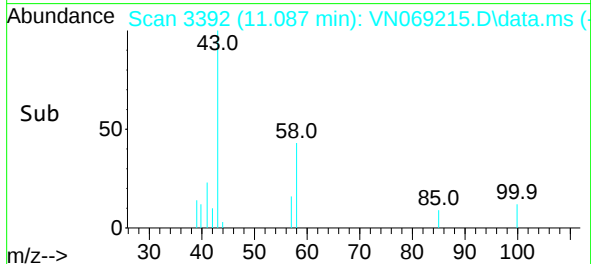
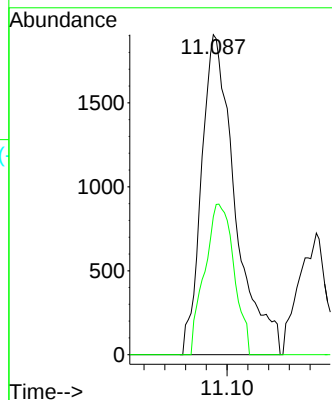
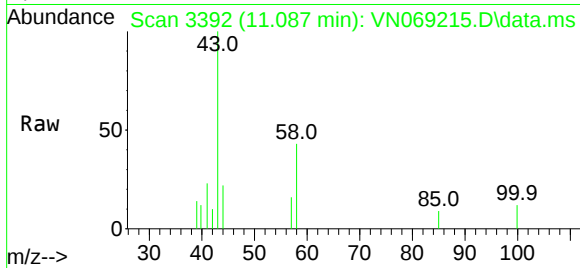




#59
2-Hexanone
Concen: 1.171 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.000 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

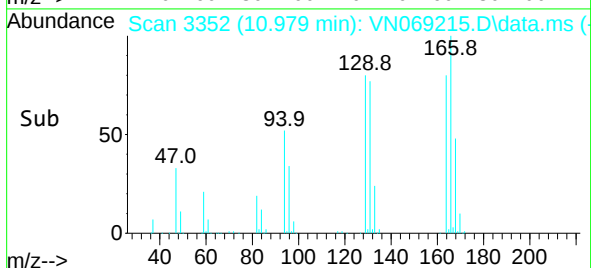
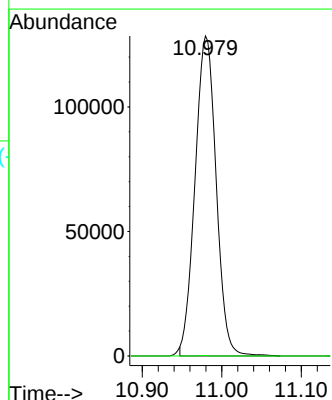
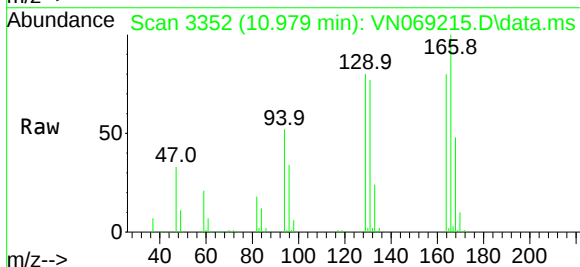
Instrument :
MSVOA_N
ClientSampleId :

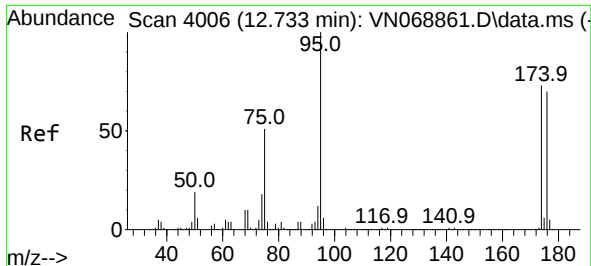
Tgt Ion: 43 Resp: 4294
Ion Ratio Lower Upper
43 100
58 40.8 26.9 80.7



#60
Dibromochloromethane
Concen: 56.086 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.260 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

Tgt Ion:129 Resp: 236720
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

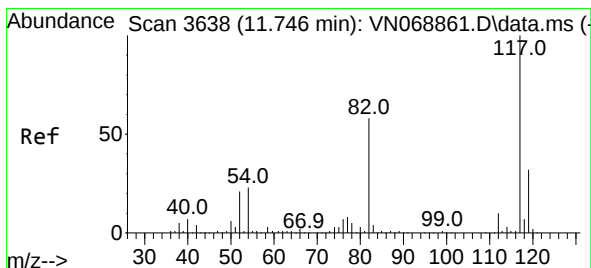
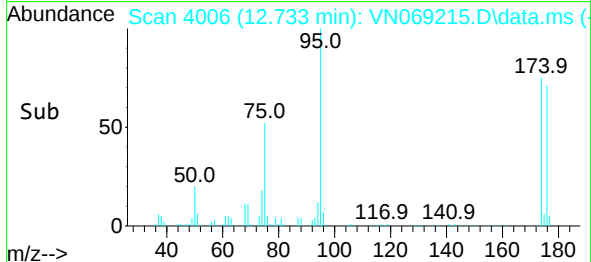
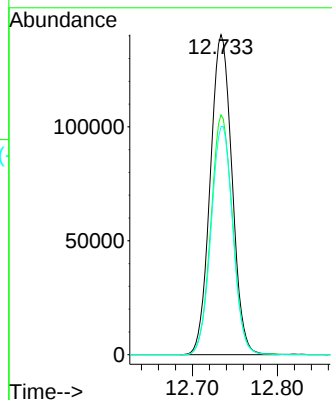
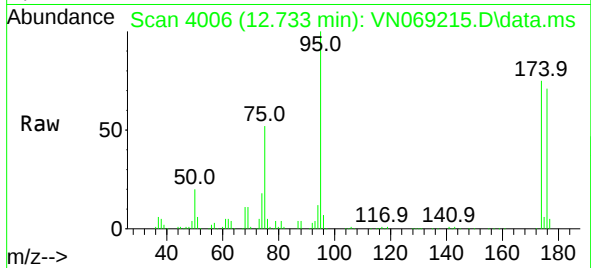




#62
4-Bromofluorobenzene
Concen: 50.262 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

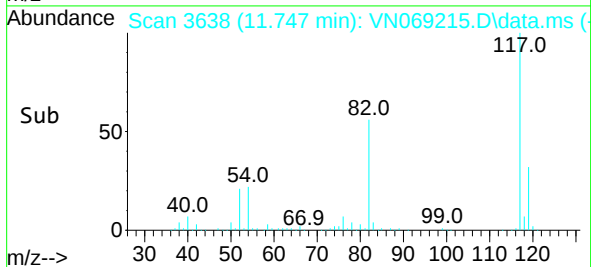
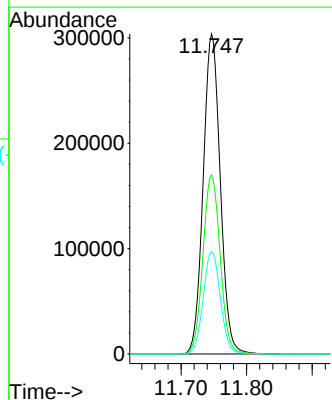
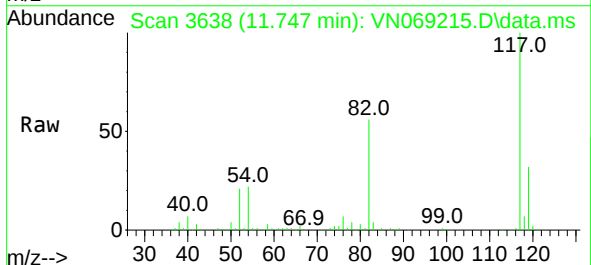
Instrument :
MSVOA_N
ClientSampleId :

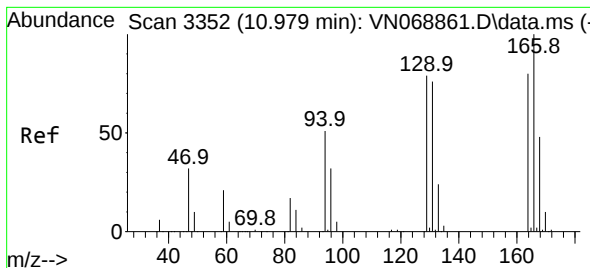
Tgt Ion: 95 Resp: 250193
Ion Ratio Lower Upper
95 100
174 74.4 0.0 144.8
176 71.5 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

Tgt Ion: 117 Resp: 549842
Ion Ratio Lower Upper
117 100
82 56.0 46.4 69.6
119 31.9 26.0 39.0





#64

Tetrachloroethene

Concen: 66.354 ug/l

RT: 10.979 min Scan# 3352

Delta R.T. 0.000 min

Lab File: VN069215.D

Acq: 27 Oct 2021 13:51

Tgt Ion:164 Resp: 235027

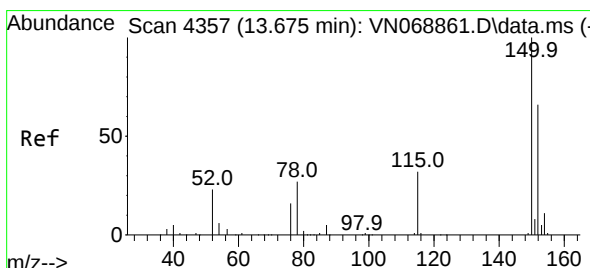
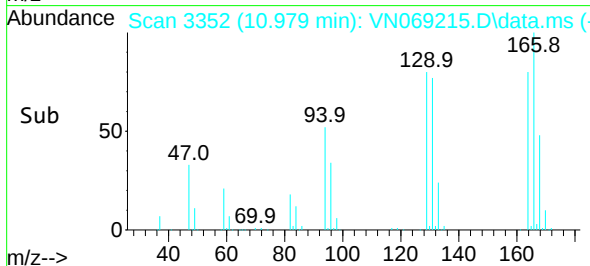
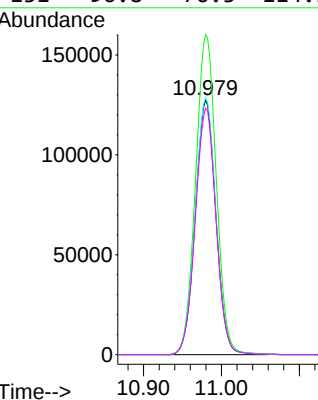
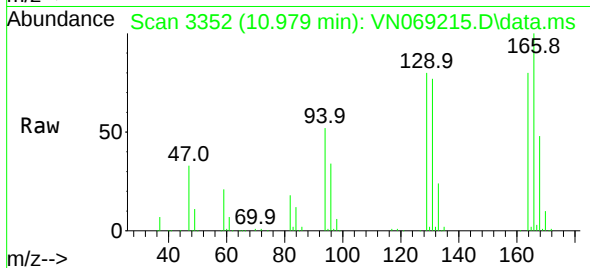
Ion Ratio Lower Upper

164 100

166 125.7 99.8 149.8

129 100.9 79.2 118.8

131 96.8 76.3 114.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.678 min Scan# 4358

Delta R.T. 0.003 min

Lab File: VN069215.D

Acq: 27 Oct 2021 13:51

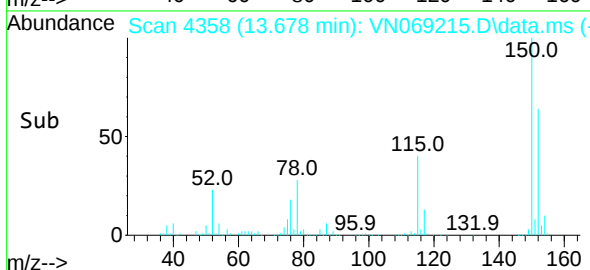
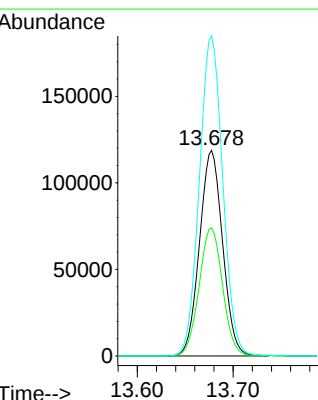
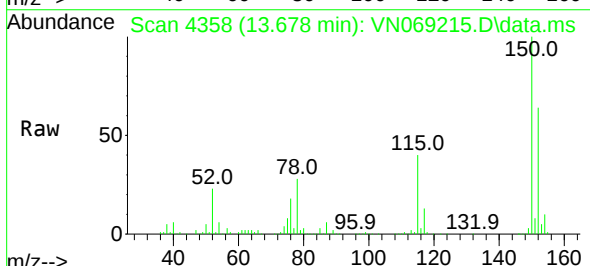
Tgt Ion:152 Resp: 198881

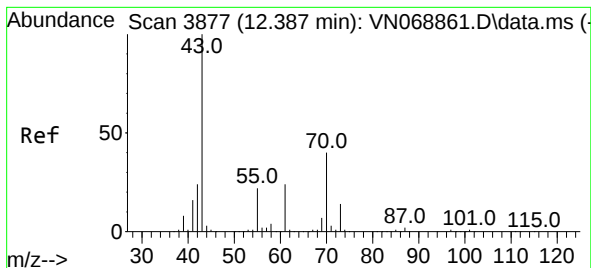
Ion Ratio Lower Upper

152 100

115 63.1 31.4 94.3

150 157.6 0.0 351.0

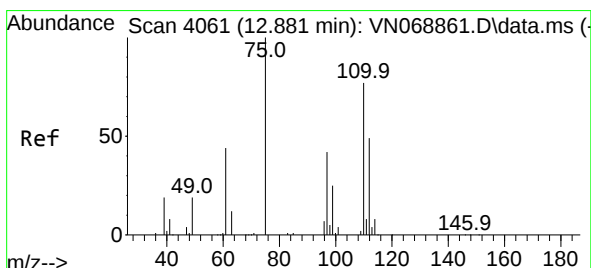
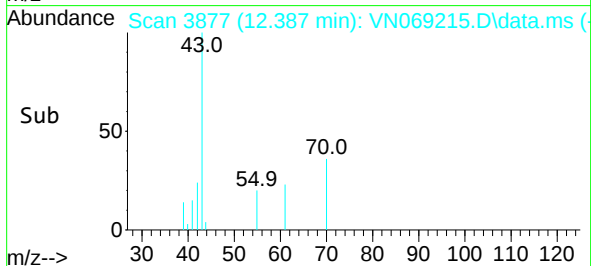
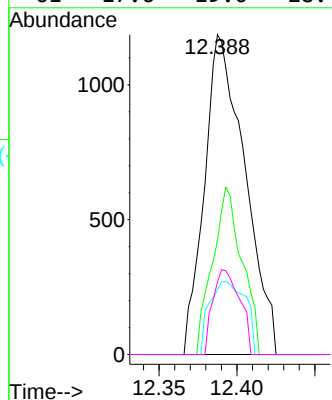
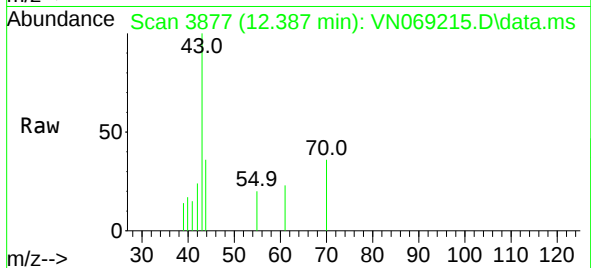




#74
N-amy1 acetate
Concen: 0.341 ug/l
RT: 12.387 min Scan# 3877
Delta R.T. 0.000 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

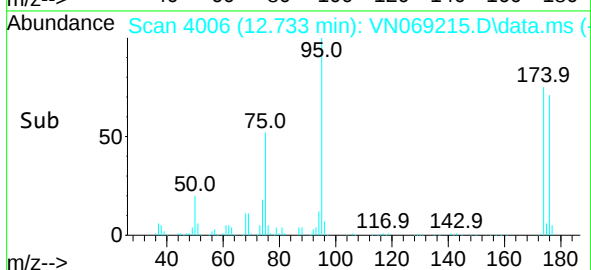
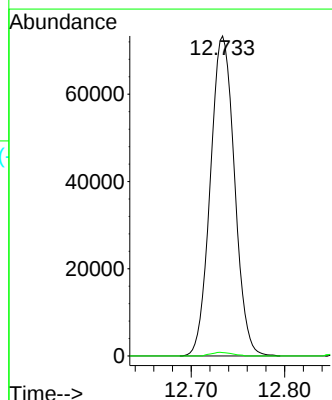
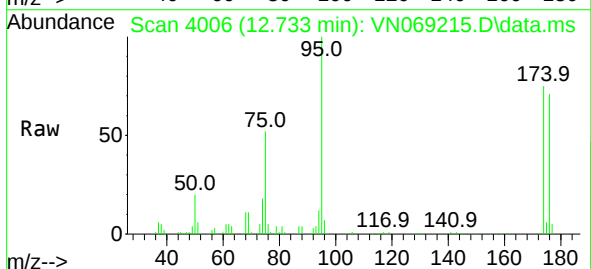
Instrument :
MSVOA_N
ClientSampleId :

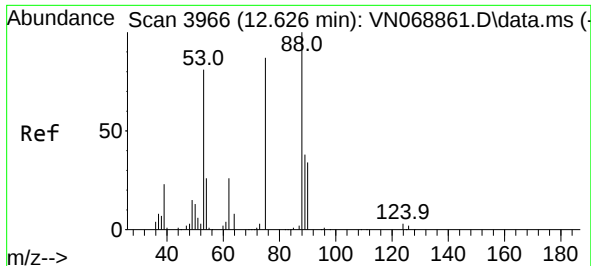
Tgt Ion:	43	Resp:	2136
Ion	Ratio	Lower	Upper
43	100		
70	38.2	32.2	48.2
55	20.3	18.0	27.0
61	17.6	19.0	28.4



#76
1,2,3-Trichloropropane
Concen: 31.176 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

Tgt Ion:	75	Resp:	131927
Ion	Ratio	Lower	Upper
75	100		
77	1.0	96.2	288.4

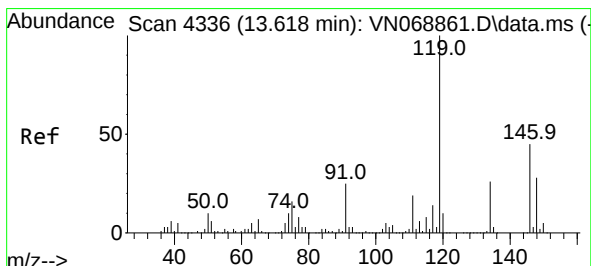
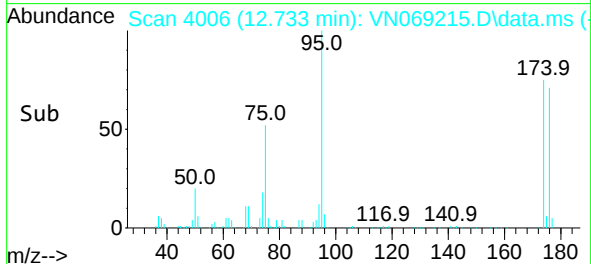
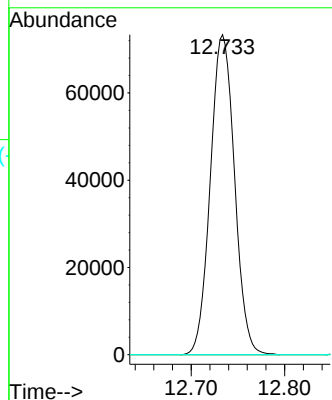
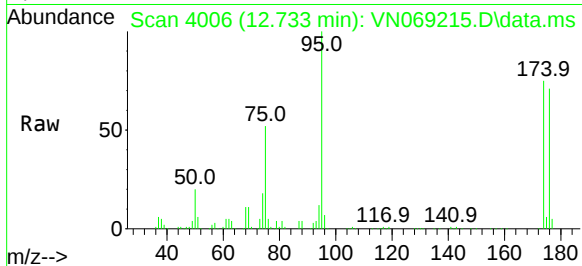




#81
trans-1,4-Dichloro-2-butene
Concen: 74.588 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

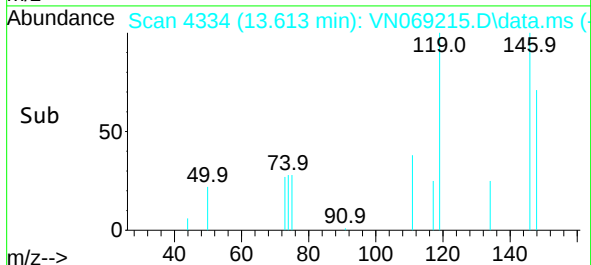
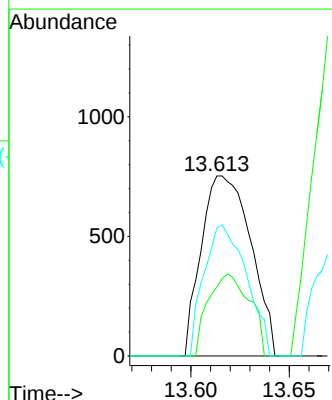
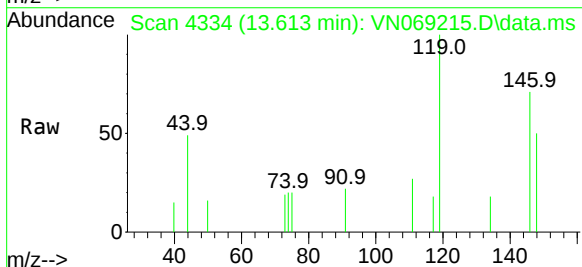
Instrument :
MSVOA_N
ClientSampleId :

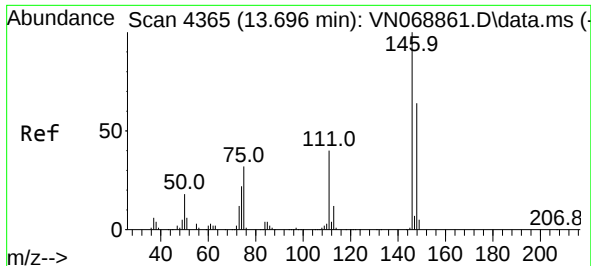
Tgt Ion: 75 Resp: 131927
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#87
1,3-Dichlorobenzene
Concen: 0.208 ug/l
RT: 13.613 min Scan# 4334
Delta R.T. -0.005 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

Tgt Ion:146 Resp: 1318
Ion Ratio Lower Upper
146 100
111 38.0 21.4 64.2
148 62.4 32.0 96.2

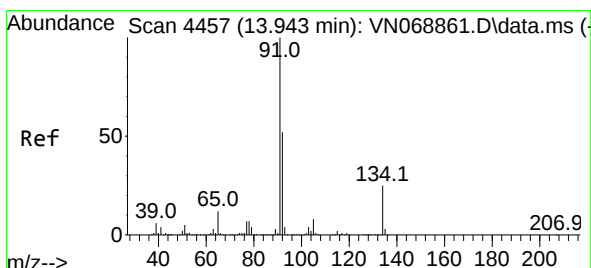
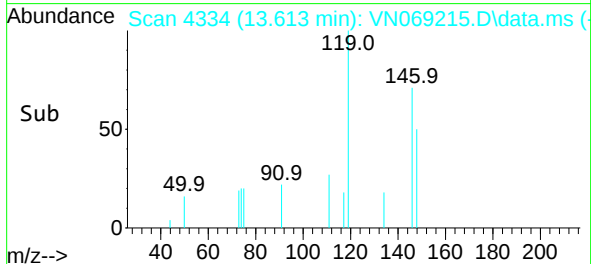
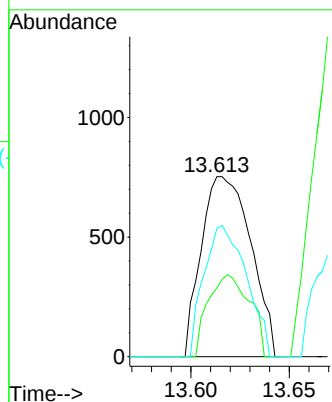
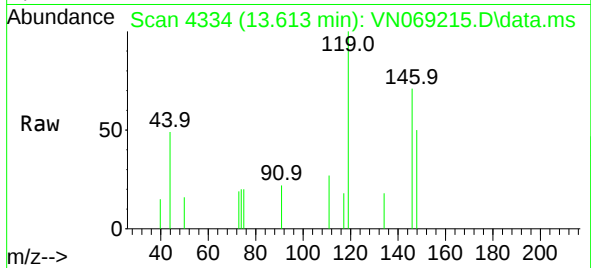




#88
1,4-Dichlorobenzene
Concen: 0.210 ug/l
RT: 13.613 min Scan# 4334
Delta R.T. -0.083 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

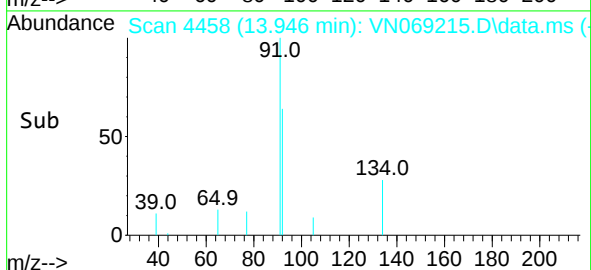
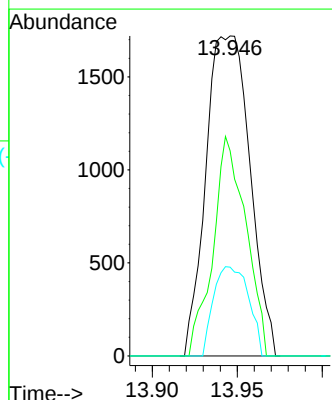
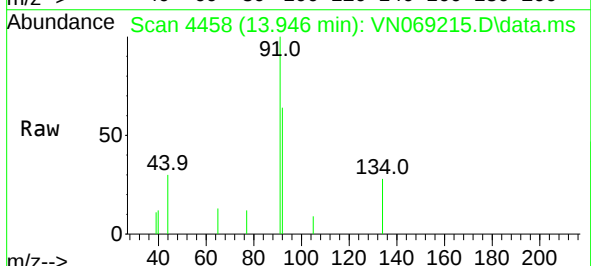
Instrument :
MSVOA_N
ClientSampleId :

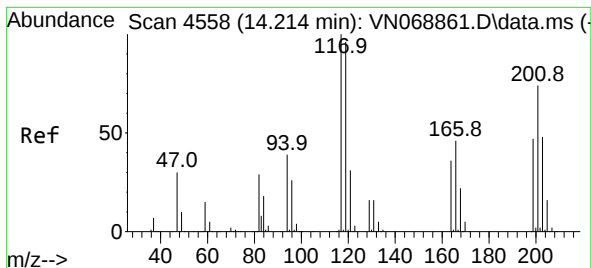
Tgt Ion:146 Resp: 1318
Ion Ratio Lower Upper
146 100
111 38.0 20.6 61.8
148 62.4 32.1 96.5



#89
n-Butylbenzene
Concen: 0.280 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

Tgt Ion: 91 Resp: 3105
Ion Ratio Lower Upper
91 100
92 51.0 26.0 78.0
134 22.1 12.5 37.5

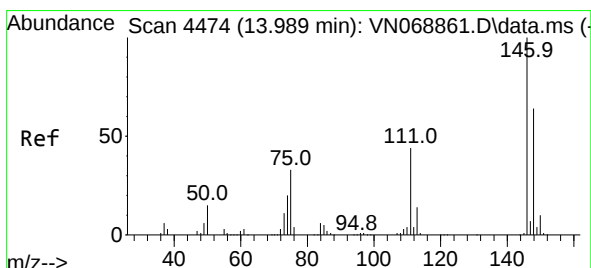
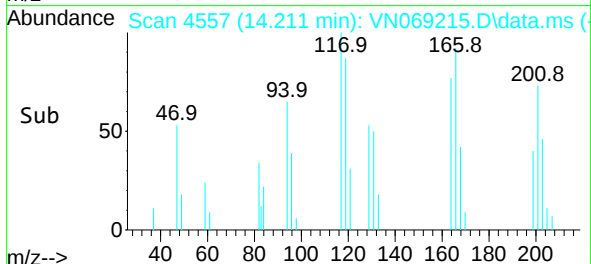
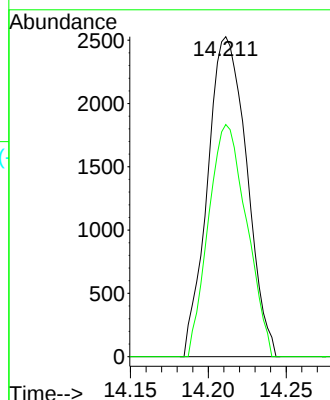
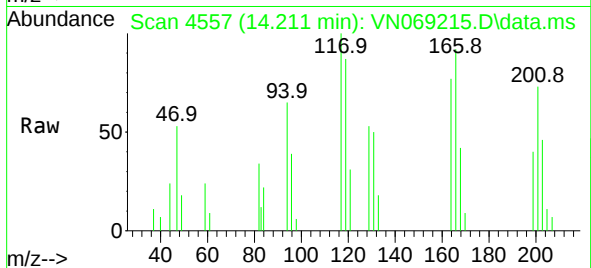




#90
Hexachloroethane
Concen: 1.582 ug/l
RT: 14.211 min Scan# 4557
Delta R.T. -0.003 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

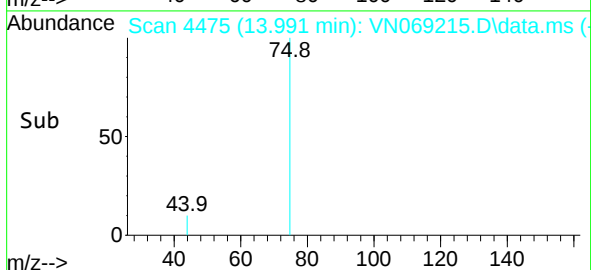
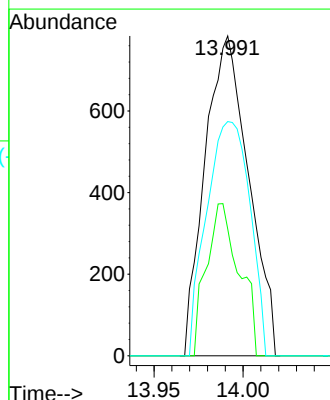
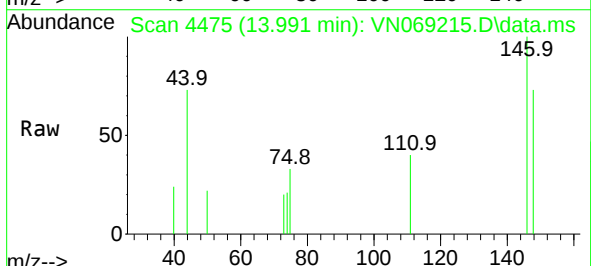
Instrument :
MSVOA_N
ClientSampleId :

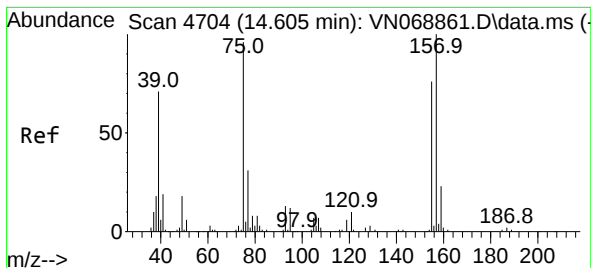
Tgt Ion:117 Resp: 4430
Ion Ratio Lower Upper
117 100
201 70.5 37.1 111.5



#91
1,2-Dichlorobenzene
Concen: 0.217 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.003 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

Tgt Ion:146 Resp: 1335
Ion Ratio Lower Upper
146 100
111 35.7 22.0 66.0
148 72.7 32.1 96.5

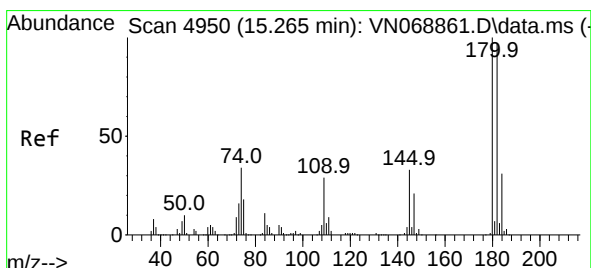
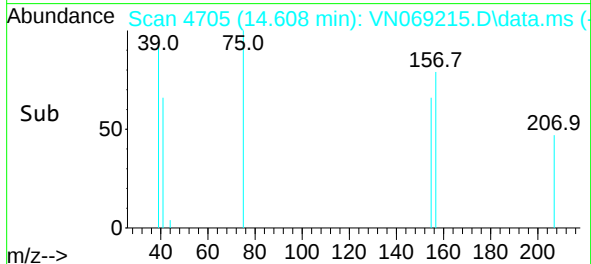
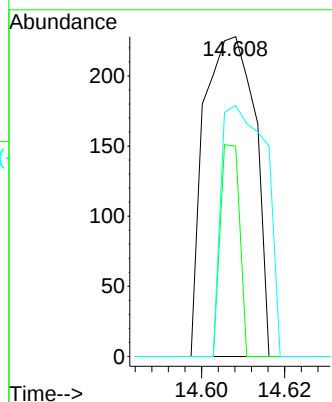
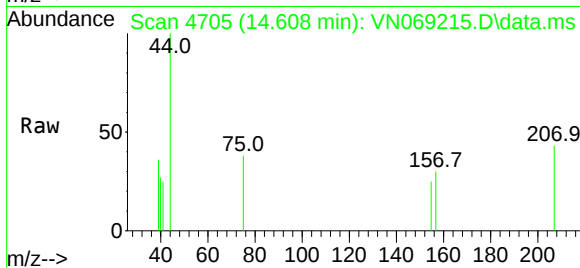




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.209 ug/l
RT: 14.608 min Scan# 4705
Delta R.T. 0.003 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

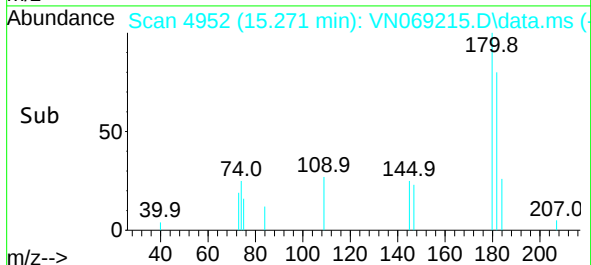
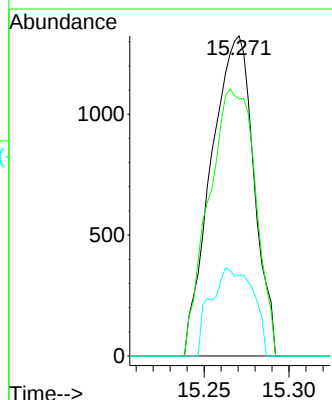
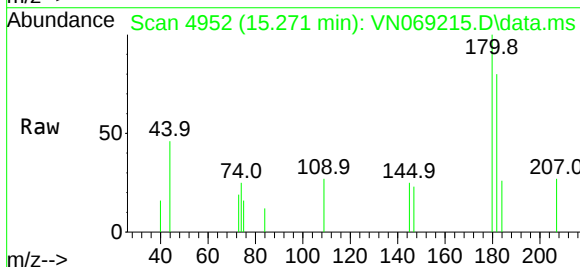
Instrument :
MSVOA_N
ClientSampleId :

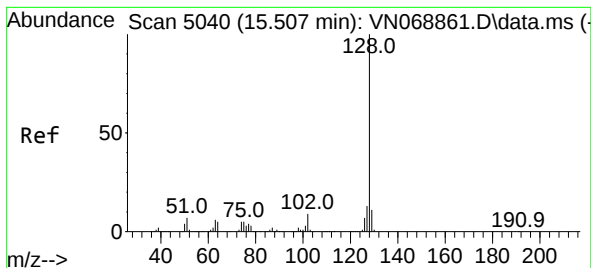
Tgt Ion: 75 Resp: 193
Ion Ratio Lower Upper
75 100
155 24.9 38.8 116.4#
157 68.9 50.2 150.6



#93
1,2,4-Trichlorobenzene
Concen: 3.260 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

Tgt Ion:180 Resp: 2320
Ion Ratio Lower Upper
180 100
182 91.0 47.9 143.7
145 27.2 16.4 49.2

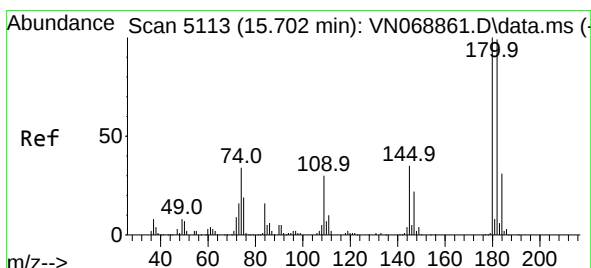
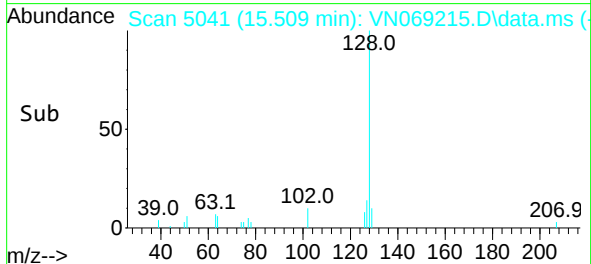
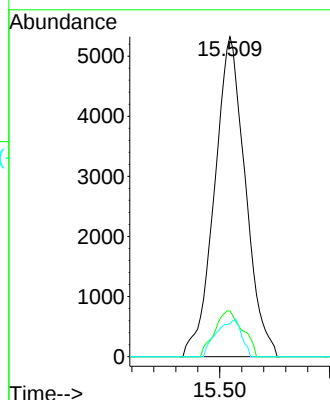
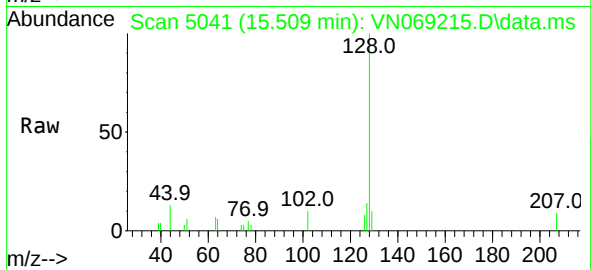




#95
Naphthalene
Concen: 4.849 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128	Resp:	10369
Ion Ratio	Lower	Upper
128	100	
127	13.0	10.5 15.7
129	9.4	8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 3.263 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN069215.D
Acq: 27 Oct 2021 13:51

Tgt Ion:180	Resp:	2507
Ion Ratio	Lower	Upper
180	100	
182	100.4	48.1 144.3
145	32.8	17.4 52.2

