

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
 Data File : VN069053.D
 Acq On : 20 Oct 2021 11:21
 Operator : JC/MD
 Sample : VN1020MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 16:38:48 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

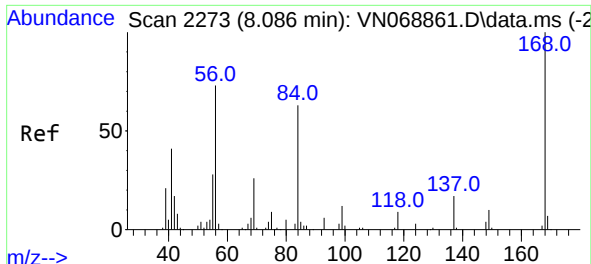
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	343723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	602852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	556632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	200346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	227455	50.190	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 100.380%		
35) Dibromofluoromethane	8.024	113	178560	50.909	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 101.820%		
50) Toluene-d8	10.443	98	751771	53.568	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 107.140%		
62) 4-Bromofluorobenzene	12.734	95	260638	49.225	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 98.460%		
Target Compounds						
						Qvalue
5) Bromomethane	2.877	94	1391	0.593	ug/l	97
13) Acrolein	4.055	56	118	0.322	ug/l #	66
16) Acetone	4.291	43	602	0.356	ug/l #	44
20) Methylene Chloride	5.090	84	893	0.229	ug/l #	78
25) 2-Butanone	7.348	43	579	0.226	ug/l #	48
29) Tetrahydrofuran	7.694	42	508	0.306	ug/l #	36
31) Cyclohexane	8.088	56	8131	1.154	ug/l #	8
36) 1,1-Dichloropropene	8.088	75	29186	5.668	ug/l #	50
38) Carbon Tetrachloride	8.088	117	37089	6.558	ug/l #	16
43) Isopropyl Acetate	8.606	43	2990	0.319	ug/l #	55
51) 4-Methyl-2-Pentanone	10.333	43	2513	0.462	ug/l #	76
59) 2-Hexanone	11.087	43	5521	1.415	ug/l	86
74) N-amyl acetate	12.390	43	3099	0.491	ug/l #	93
76) 1,2,3-Trichloropropane	12.734	75	136375	31.992	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	136375	76.539	ug/l #	12
82) 4-Chlorotoluene	13.106	91	2298	0.206	ug/l	77
87) 1,3-Dichlorobenzene	13.621	146	1455	0.228	ug/l	87
88) 1,4-Dichlorobenzene	13.621	146	1455	0.230	ug/l	88
89) n-Butylbenzene	13.943	91	3494	0.312	ug/l	98
91) 1,2-Dichlorobenzene	13.989	146	1565	0.253	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.608	75	384	0.413	ug/l #	27
93) 1,2,4-Trichlorobenzene	15.271	180	2629	3.342	ug/l	99
95) Naphthalene	15.507	128	11304	4.935	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.711	180	3320	3.499	ug/l	91

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

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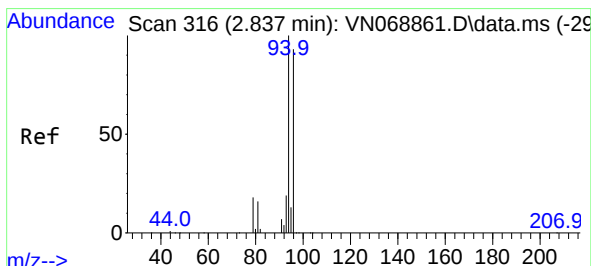
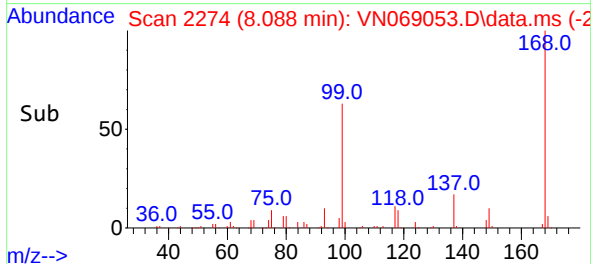
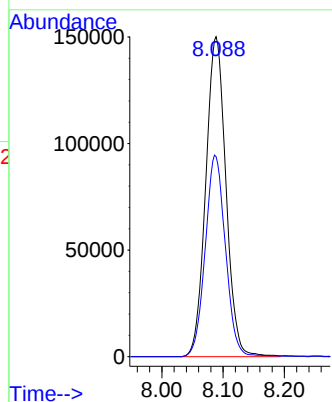
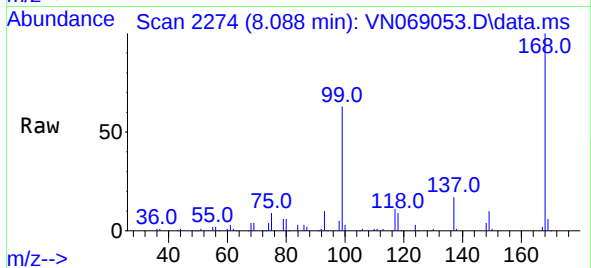




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

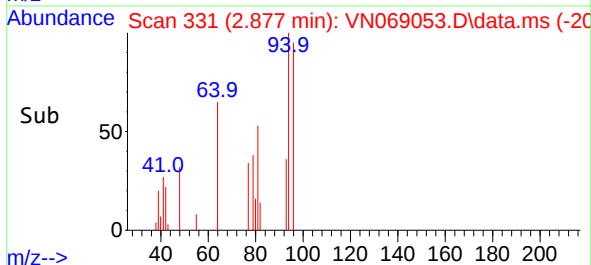
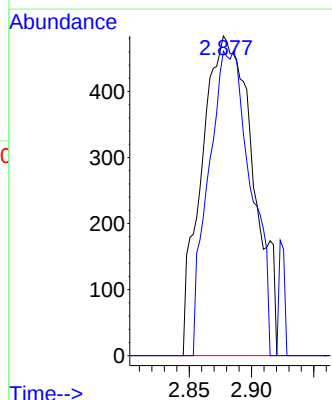
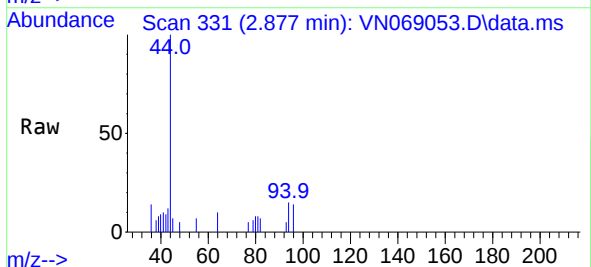
Instrument :
MSVOA_N
ClientSampleId :

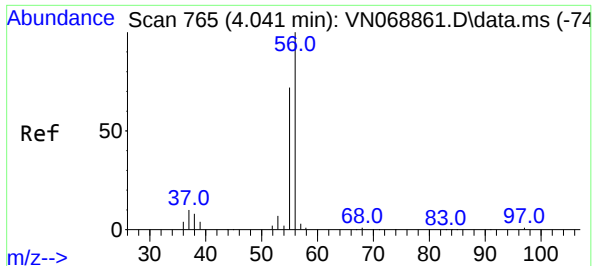
Tgt Ion:168 Resp: 343723
Ion Ratio Lower Upper
168 100
99 62.6 48.9 73.3



#5
Bromomethane
Concen: 0.593 ug/l
RT: 2.877 min Scan# 331
Delta R.T. 0.040 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Tgt Ion: 94 Resp: 1391
Ion Ratio Lower Upper
94 100
96 95.2 74.2 111.4

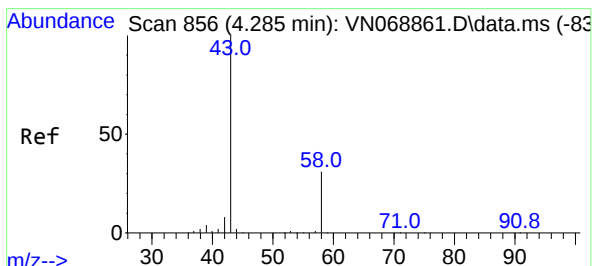
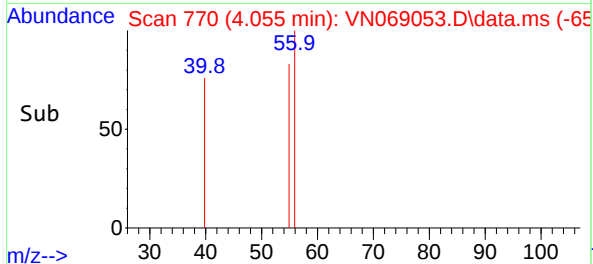
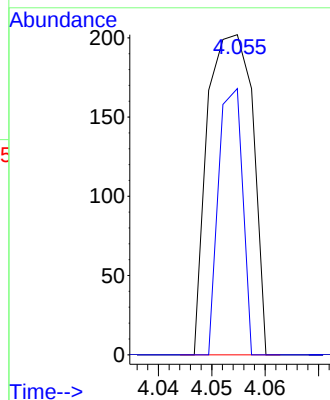
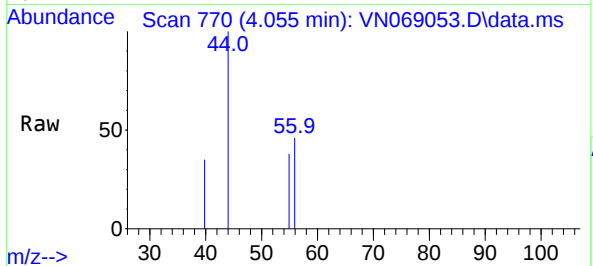




#13
Acrolein
Concen: 0.322 ug/l
RT: 4.055 min Scan# 770
Delta R.T. 0.014 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

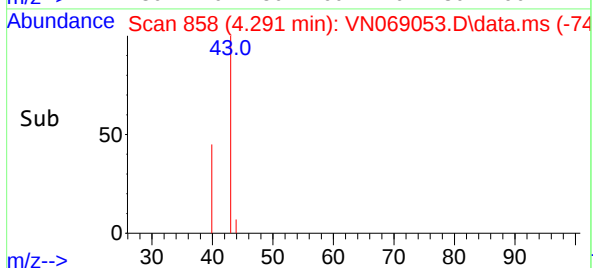
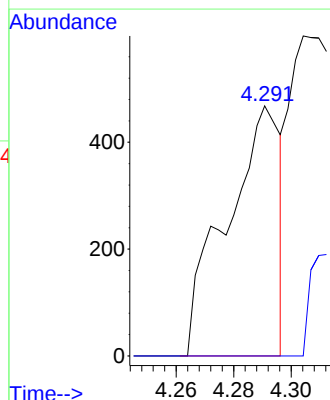
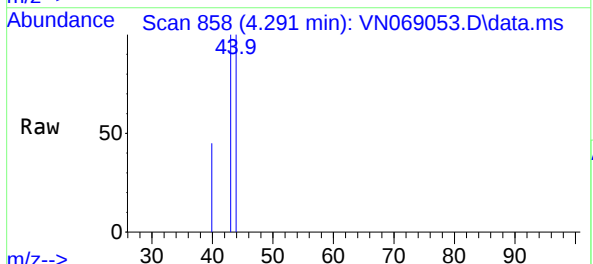
Instrument :
MSVOA_N
ClientSampled :

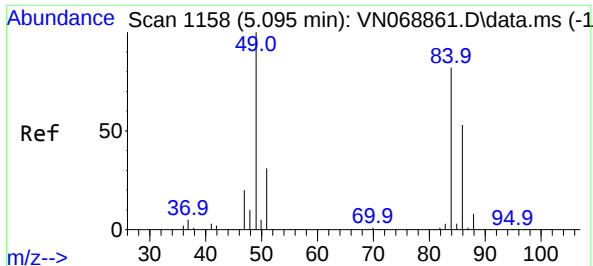
Tgt Ion: 56 Resp: 118
Ion Ratio Lower Upper
56 100
55 44.1 58.1 87.1#



#16
Acetone
Concen: 0.356 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Tgt Ion: 43 Resp: 602
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#



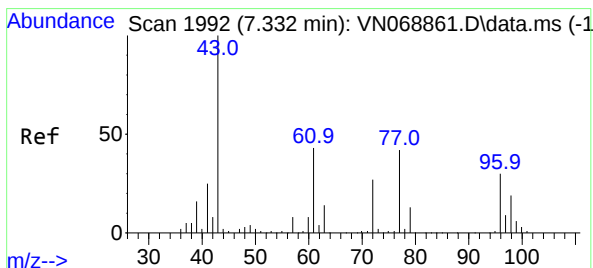
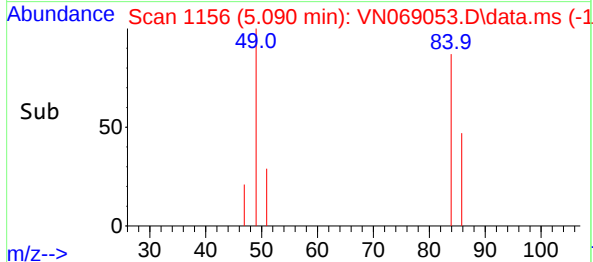
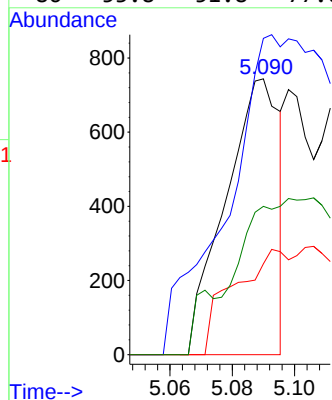
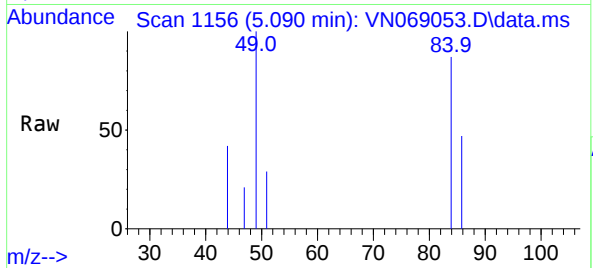


#20
Methylene Chloride
Concen: 0.229 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.005 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 893

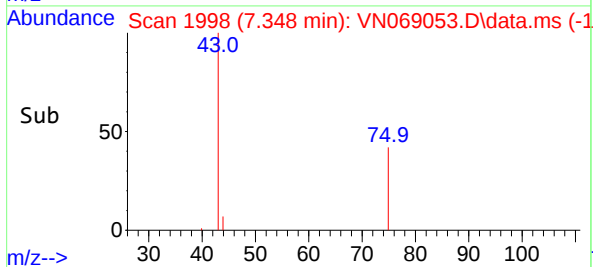
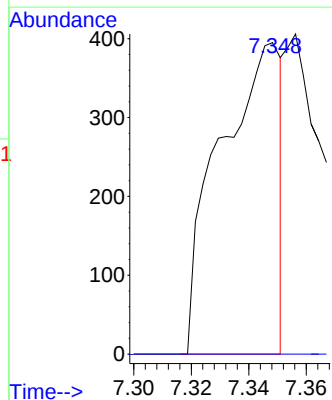
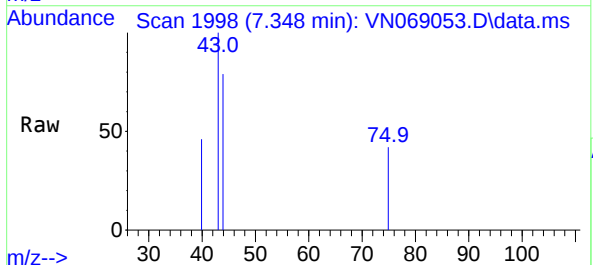
Ion	Ratio	Lower	Upper
84	100		
49	86.7	97.6	146.4#
51	32.9	30.3	45.5
86	53.8	51.8	77.6

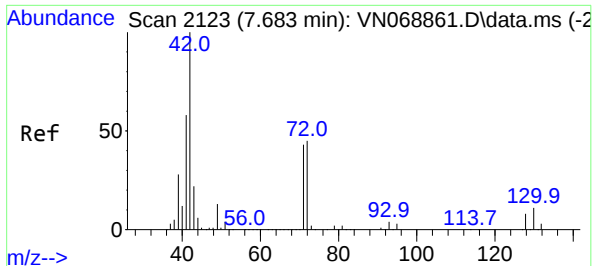


#25
2-Butanone
Concen: 0.226 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Tgt Ion: 43 Resp: 579

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.2	31.8#

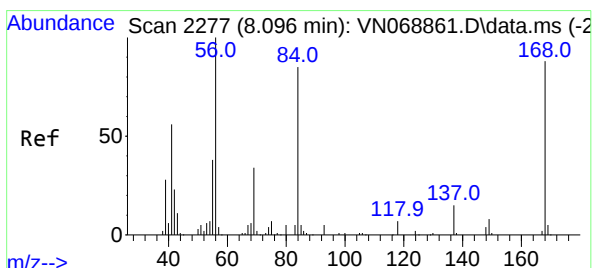
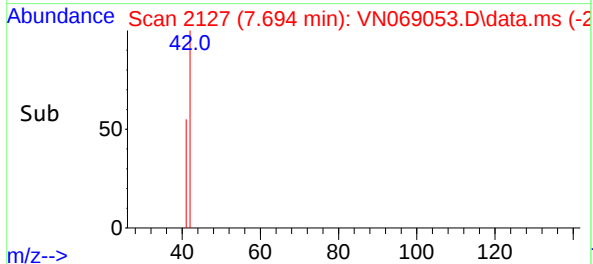
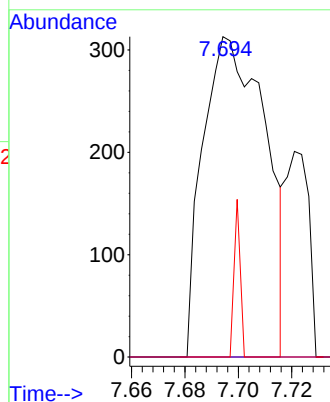
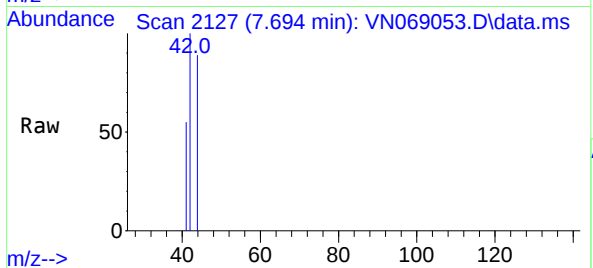




#29
Tetrahydrofuran
Concen: 0.306 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.011 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

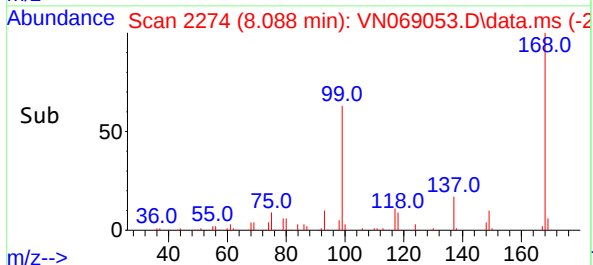
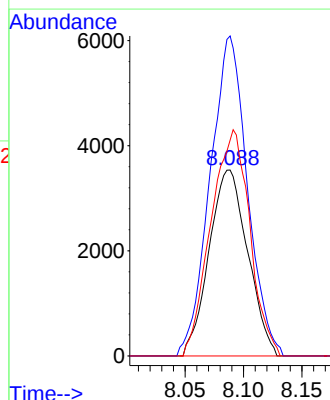
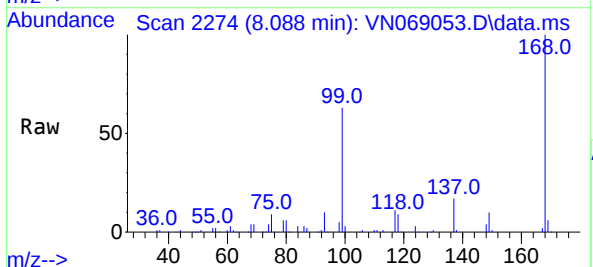
Instrument :
MSVOA_N
ClientSampled :

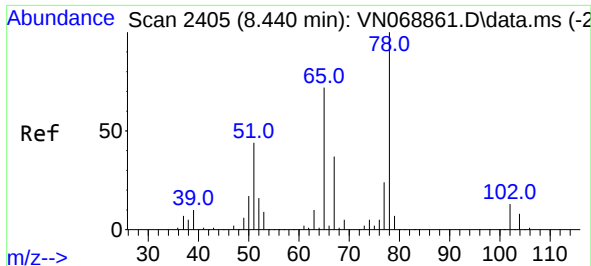
Tgt Ion:	42	Resp:	508
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.4	53.2#
71	4.9	33.8	50.6#



#31
Cyclohexane
Concen: 1.154 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Tgt Ion:	56	Resp:	8131
Ion	Ratio	Lower	Upper
56	100		
69	167.6	26.9	40.3#
84	116.1	67.6	101.4#



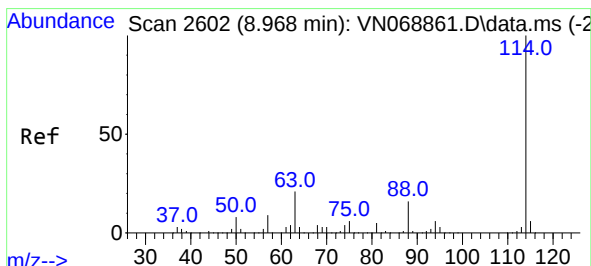
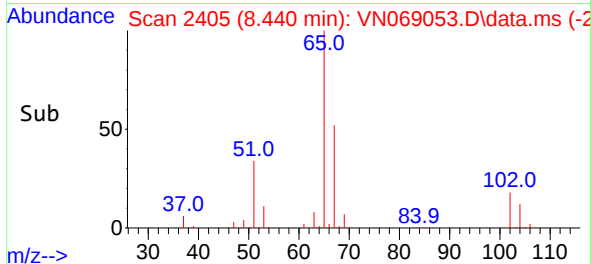
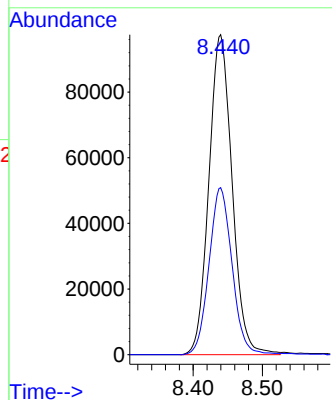
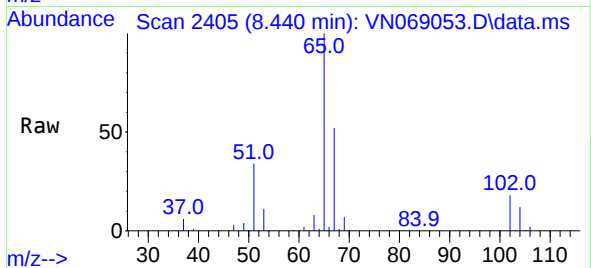


#33

1,2-Dichloroethane-d4
Concen: 50.190 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Instrument :
MSVOA_N
ClientSampled :

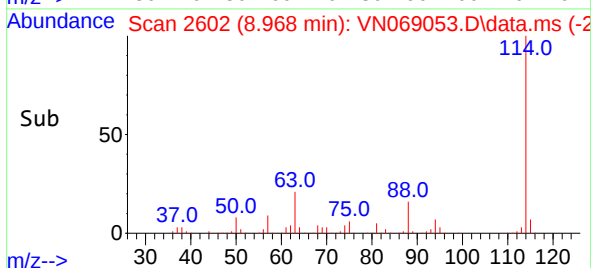
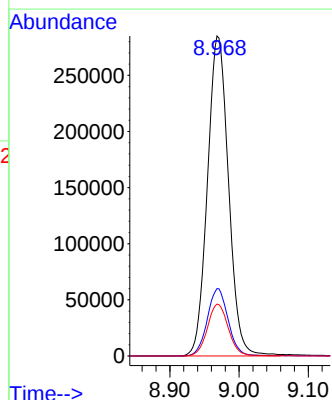
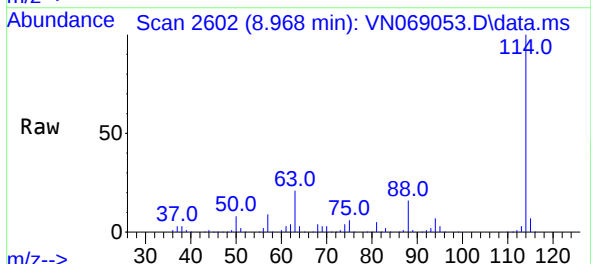
Tgt Ion: 65 Resp: 227455
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.8

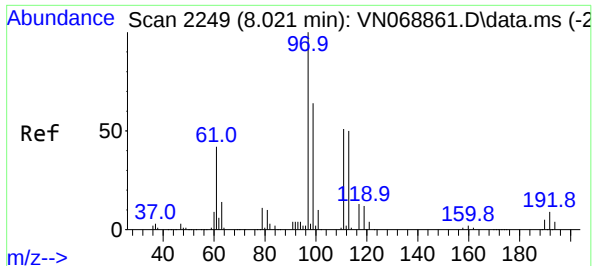


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Tgt Ion: 114 Resp: 602852
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.6
88 16.2 0.0 32.0

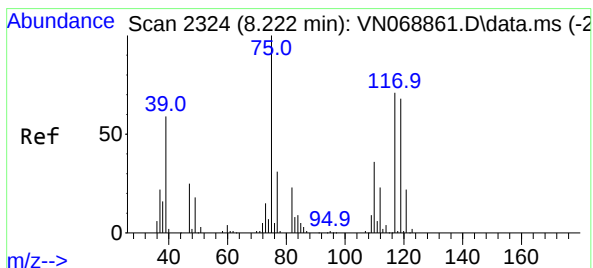
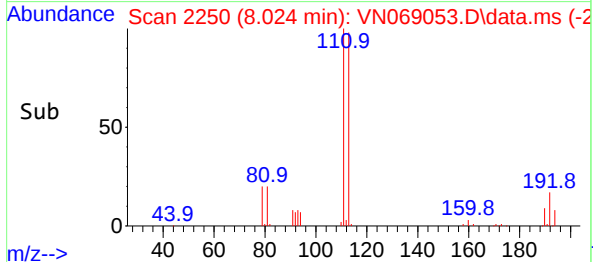
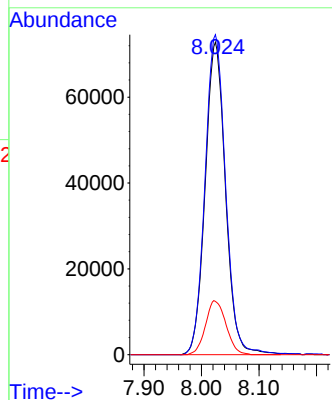
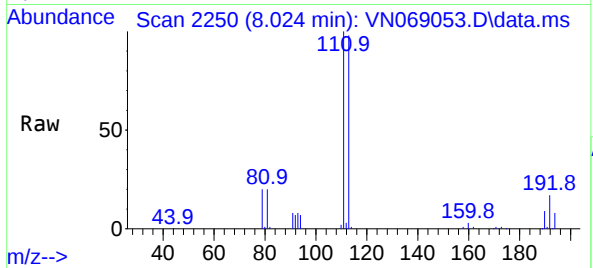




#35
Dibromofluoromethane
Concen: 50.909 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

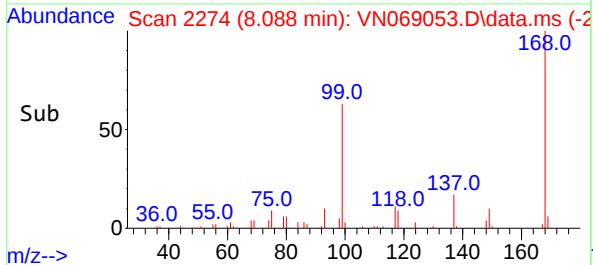
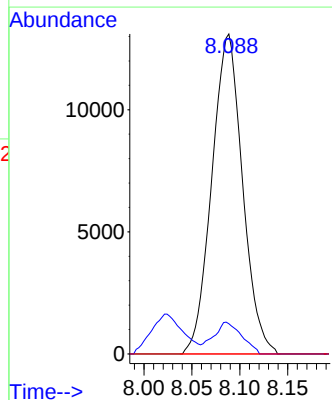
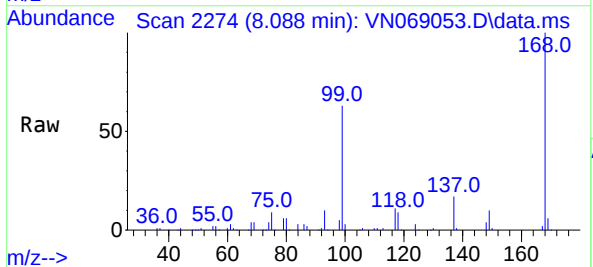
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ClientSampleId :

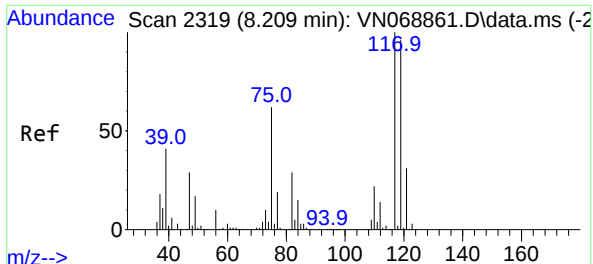
Tgt Ion:113 Resp: 178560
Ion Ratio Lower Upper
113 100
111 104.3 83.2 124.8
192 17.5 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.668 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

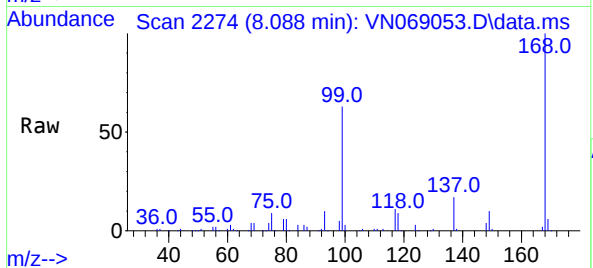
Tgt Ion: 75 Resp: 29186
Ion Ratio Lower Upper
75 100
110 9.2 17.9 53.8#
77 0.0 24.7 37.1#



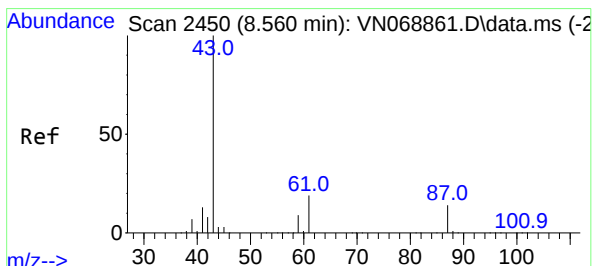
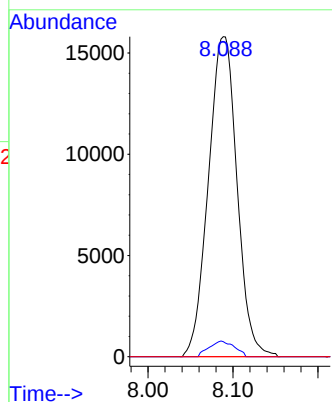
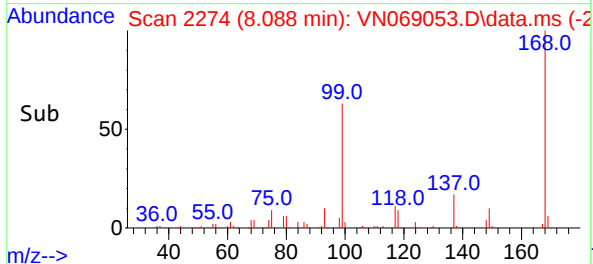


#38
Carbon Tetrachloride
Concen: 6.558 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

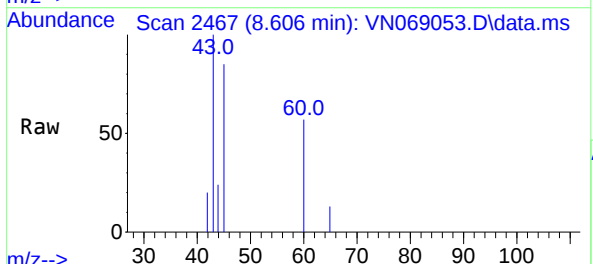
Instrument :
MSVOA_N
ClientSampleId :



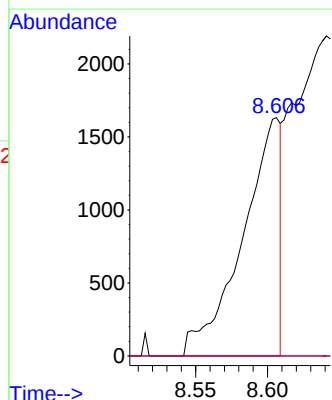
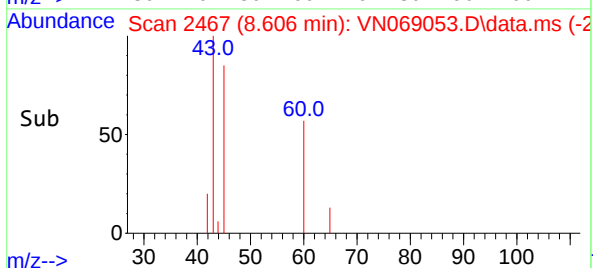
Tgt Ion:117 Resp: 37089
Ion Ratio Lower Upper
117 100
119 4.7 76.9 115.3#
121 0.0 24.6 37.0#

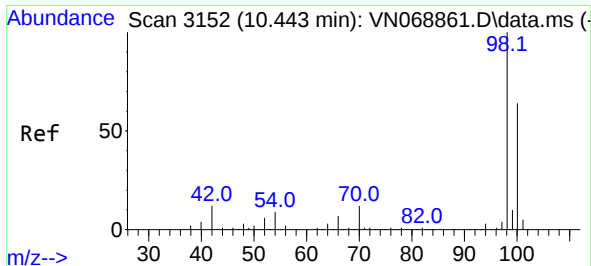


#43
Isopropyl Acetate
Concen: 0.319 ug/l
RT: 8.606 min Scan# 2467
Delta R.T. 0.046 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21



Tgt Ion: 43 Resp: 2990
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

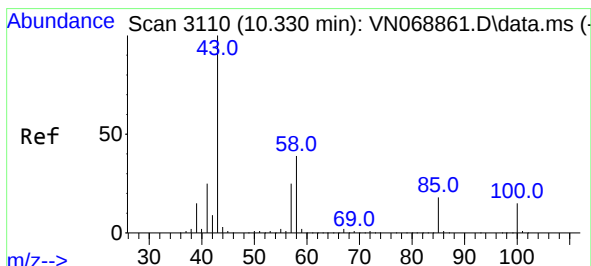
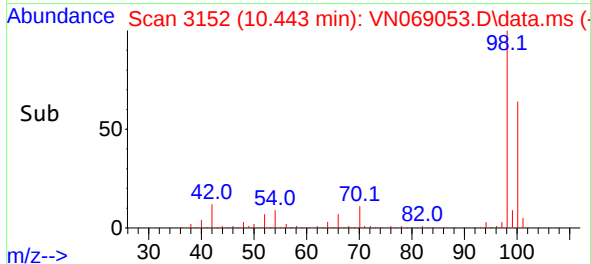
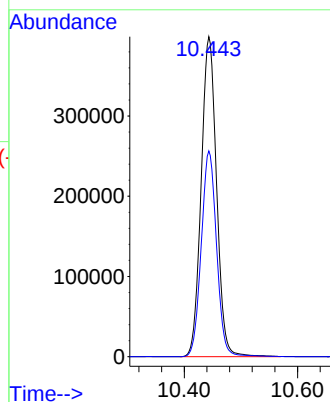
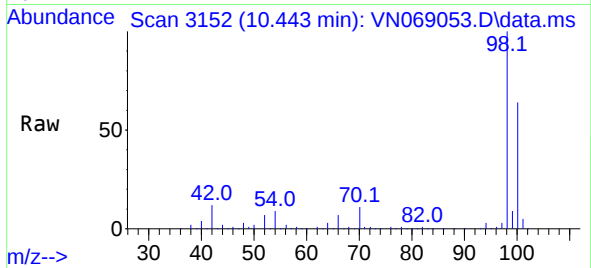




#50
Toluene-d8
Concen: 53.568 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

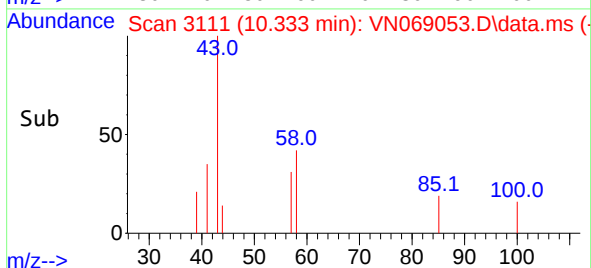
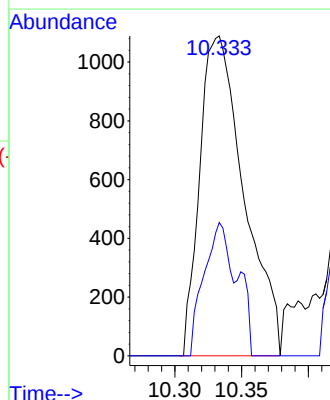
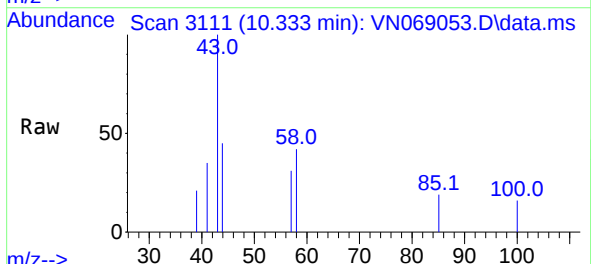
Instrument :
MSVOA_N
ClientSampled :

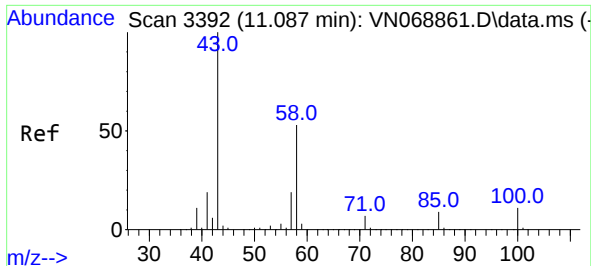
Tgt Ion: 98 Resp: 751771
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.462 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Tgt Ion: 43 Resp: 2513
Ion Ratio Lower Upper
43 100
58 24.4 31.0 46.4#

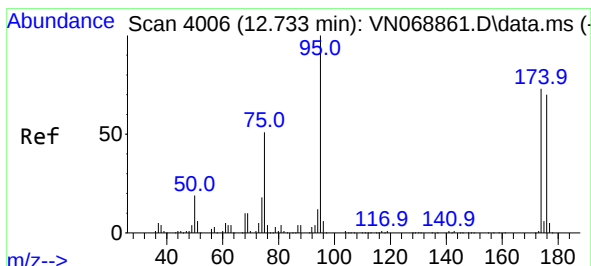
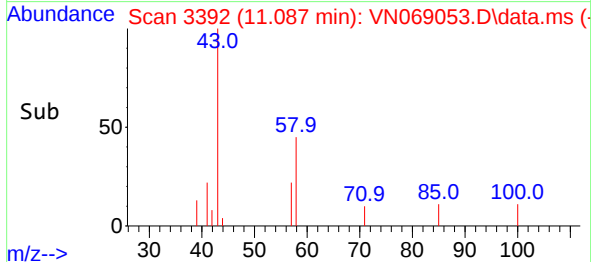
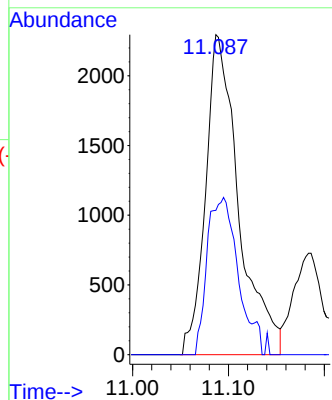
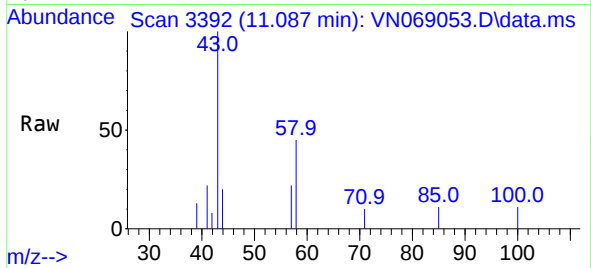




#59
2-Hexanone
Concen: 1.415 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.000 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

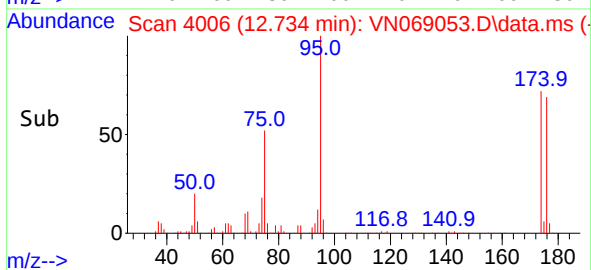
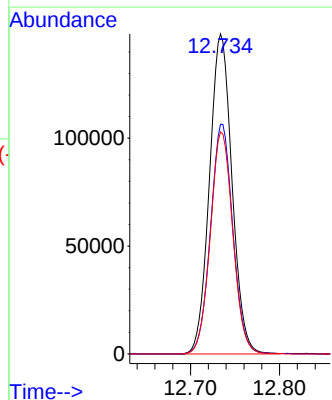
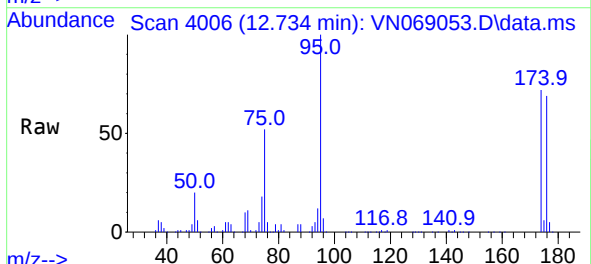
Instrument :
MSVOA_N
ClientSampled :

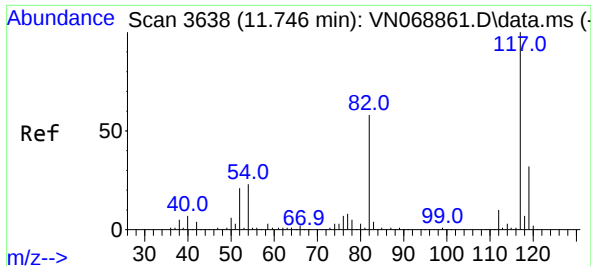
Tgt Ion: 43 Resp: 5521
Ion Ratio Lower Upper
43 100
58 43.8 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 49.225 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Tgt Ion: 95 Resp: 260638
Ion Ratio Lower Upper
95 100
174 71.3 0.0 144.8
176 69.2 0.0 140.0

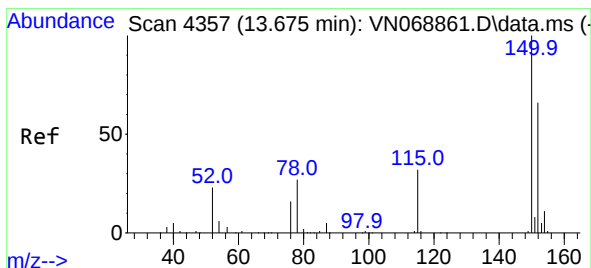
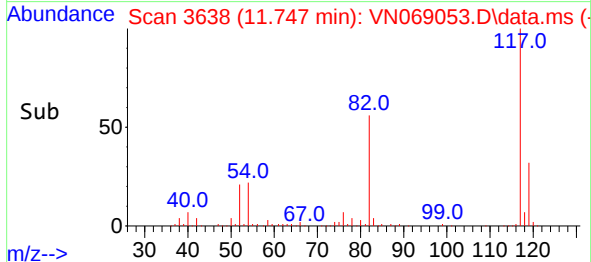
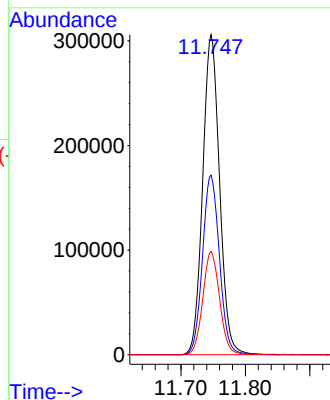
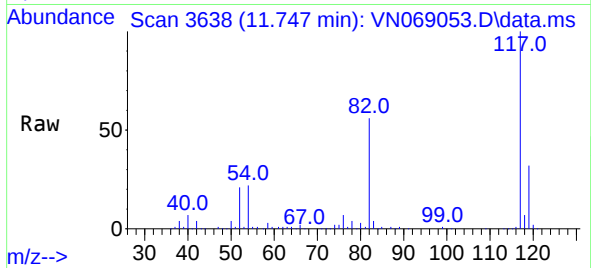




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

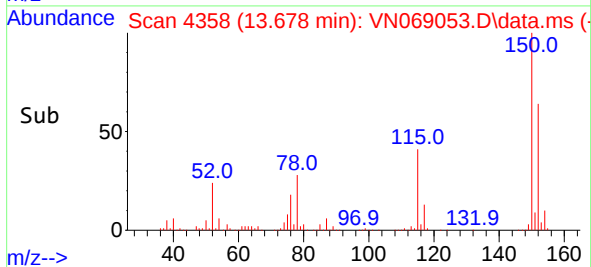
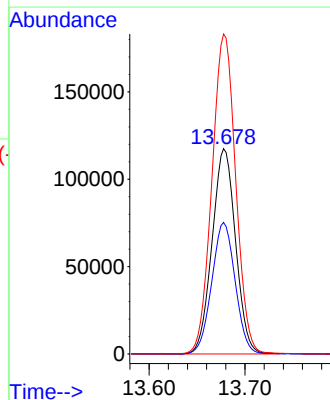
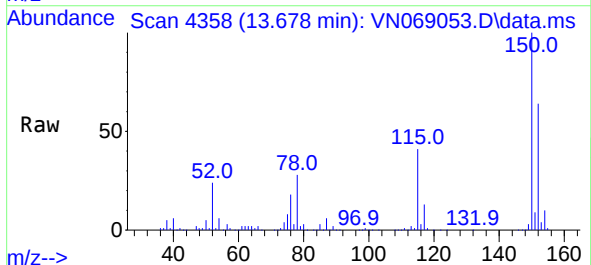
Instrument :
MSVOA_N
ClientSampleId :

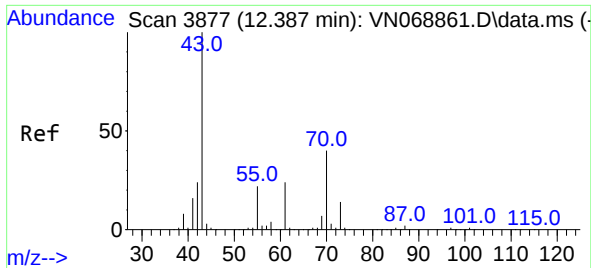
Tgt Ion:117 Resp: 556632
Ion Ratio Lower Upper
117 100
82 56.1 46.4 69.6
119 32.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Tgt Ion:152 Resp: 200346
Ion Ratio Lower Upper
152 100
115 63.8 31.4 94.3
150 157.5 0.0 351.0



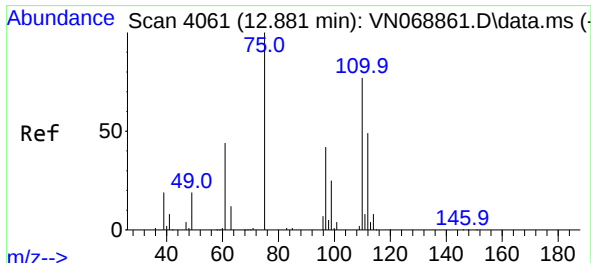
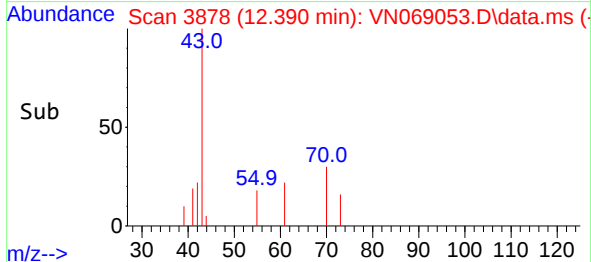
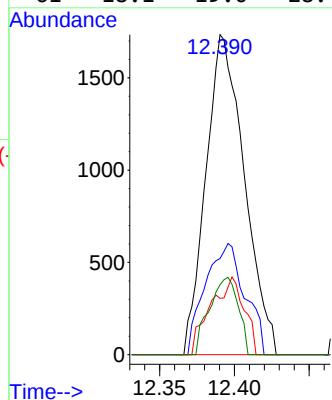
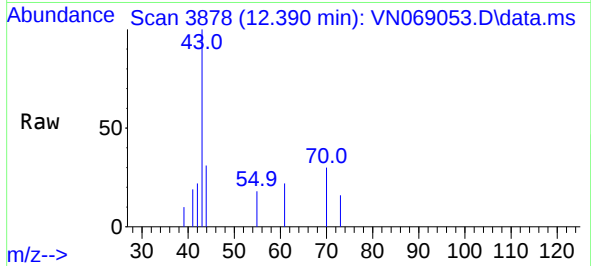


#74
N-amy1 acetate
Concen: 0.491 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.003 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 3099

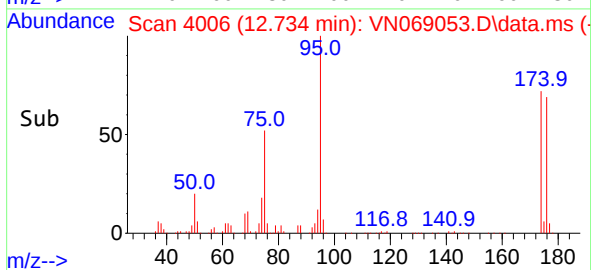
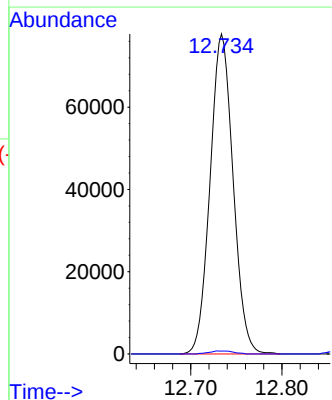
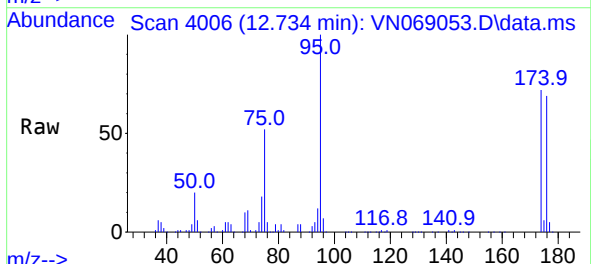
Ion	Ratio	Lower	Upper
43	100		
70	35.9	32.2	48.2
55	21.1	18.0	27.0
61	18.1	19.0	28.4

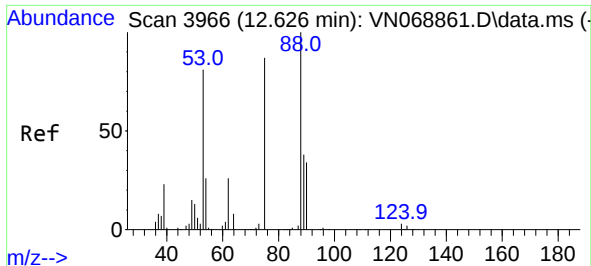


#76
1,2,3-Trichloropropane
Concen: 31.992 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Tgt Ion: 75 Resp: 136375

Ion	Ratio	Lower	Upper
75	100		
77	1.0	96.2	288.4

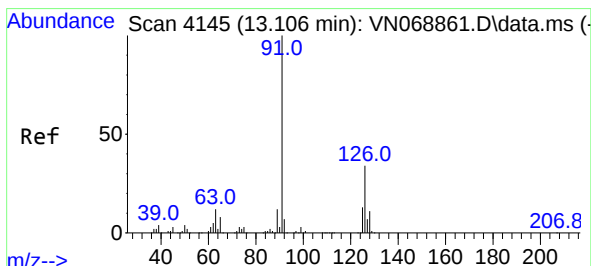
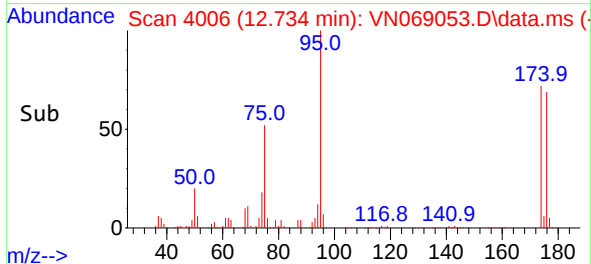
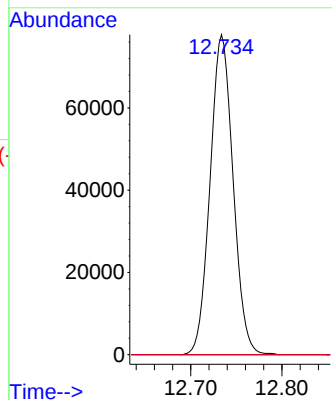
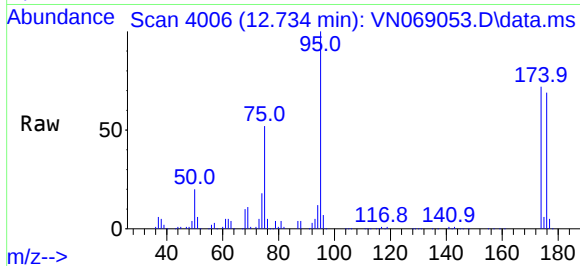




#81
trans-1,4-Dichloro-2-butene
Concen: 76.539 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

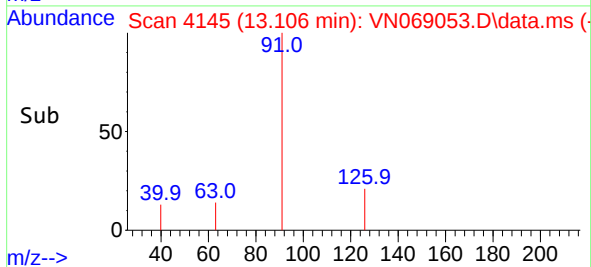
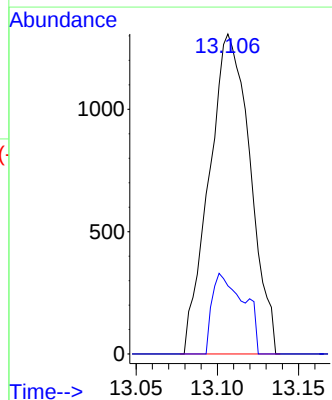
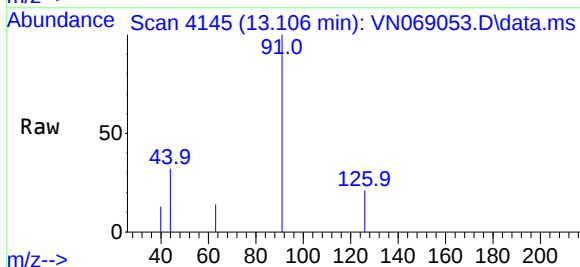
Instrument :
MSVOA_N
ClientSampled :

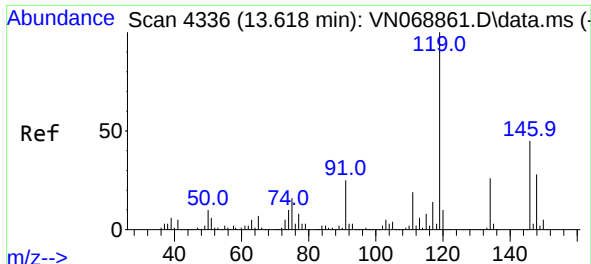
Tgt Ion: 75 Resp: 136375
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.206 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. 0.000 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Tgt Ion: 91 Resp: 2298
Ion Ratio Lower Upper
91 100
126 19.3 16.3 48.8

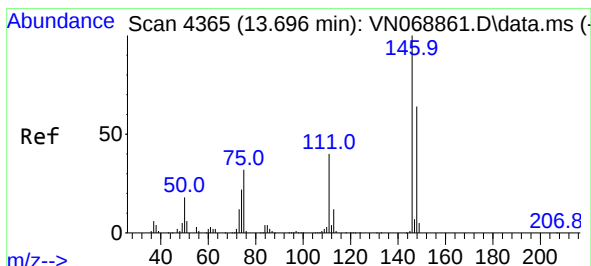
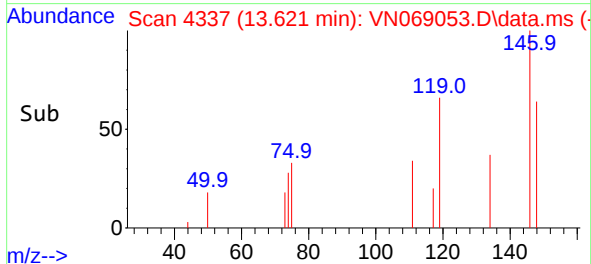
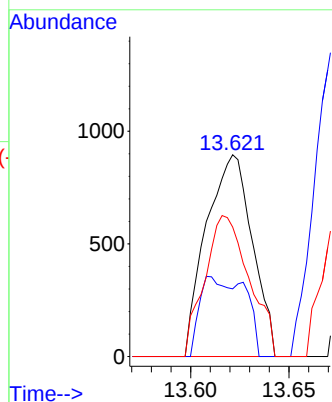
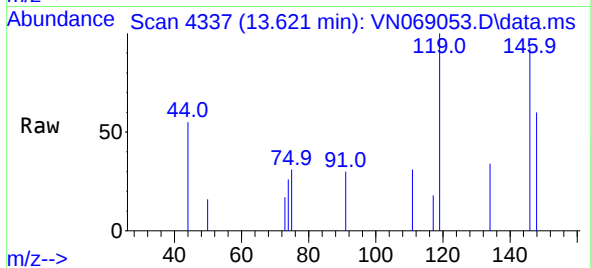




#87
1,3-Dichlorobenzene
Concen: 0.228 ug/l
RT: 13.621 min Scan# 4337
Delta R.T. 0.003 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

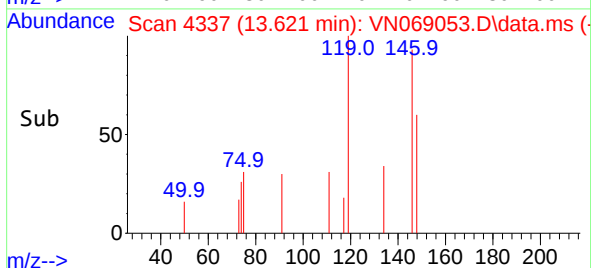
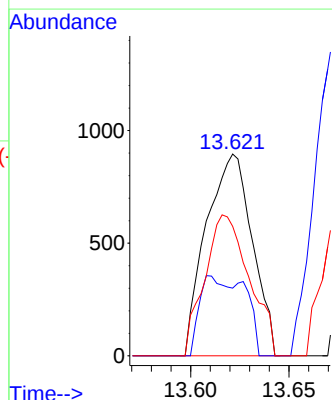
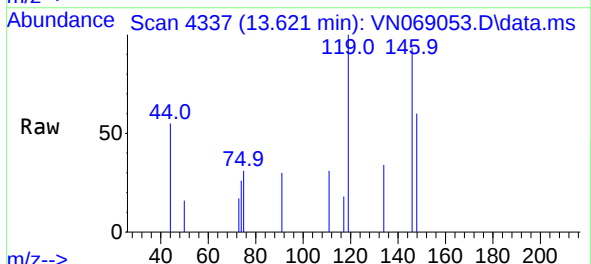
Instrument :
MSVOA_N
ClientSampled :

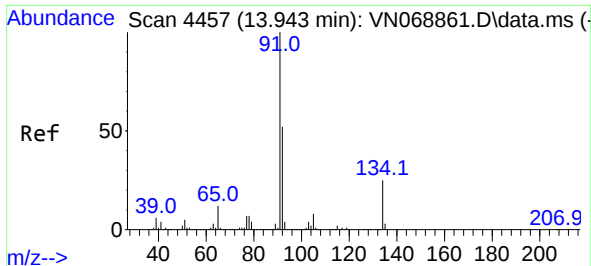
Tgt Ion:146 Resp: 1455
Ion Ratio Lower Upper
146 100
111 26.2 21.4 64.2
148 67.6 32.0 96.2



#88
1,4-Dichlorobenzene
Concen: 0.230 ug/l
RT: 13.621 min Scan# 4337
Delta R.T. -0.075 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Tgt Ion:146 Resp: 1455
Ion Ratio Lower Upper
146 100
111 26.2 20.6 61.8
148 67.6 32.1 96.5



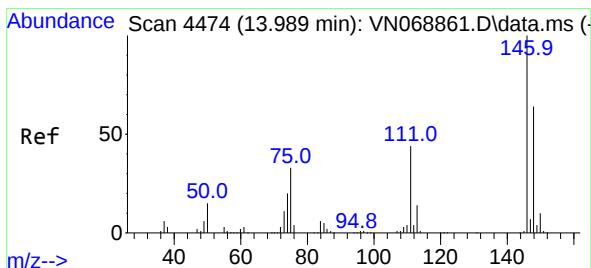
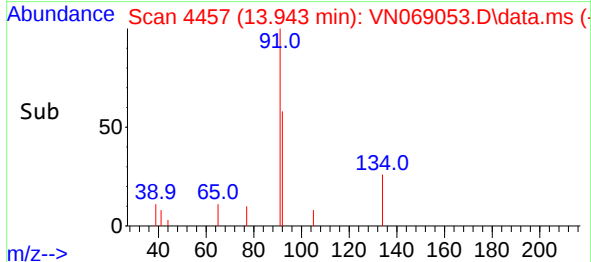
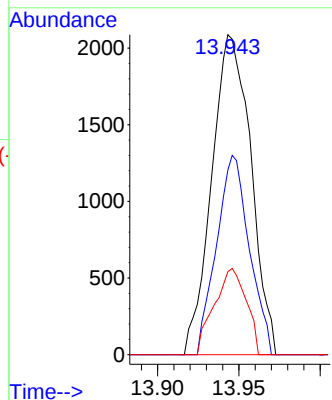
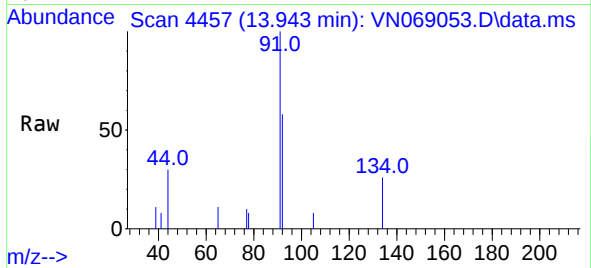


#89
n-Butylbenzene
Concen: 0.312 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 91 Resp: 3494

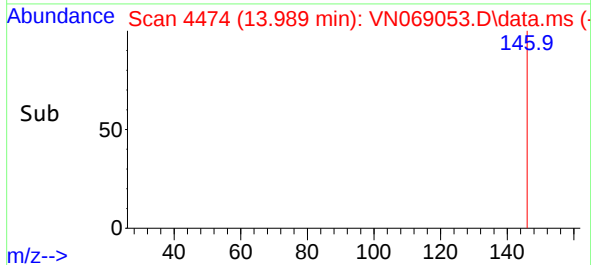
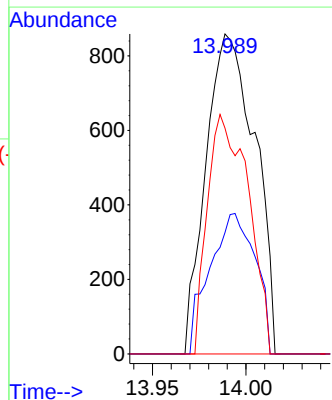
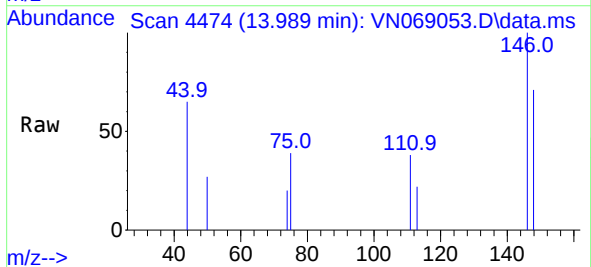
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	22.0	12.5	37.5

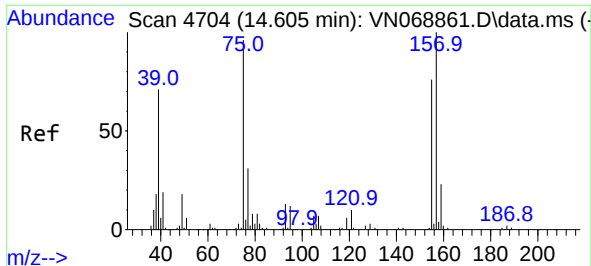


#91
1,2-Dichlorobenzene
Concen: 0.253 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Tgt Ion: 146 Resp: 1565

Ion	Ratio	Lower	Upper
146	100		
111	41.0	22.0	66.0
148	62.7	32.1	96.5

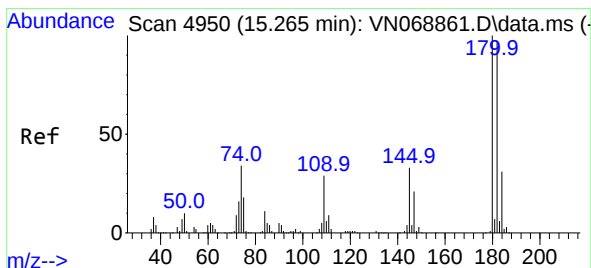
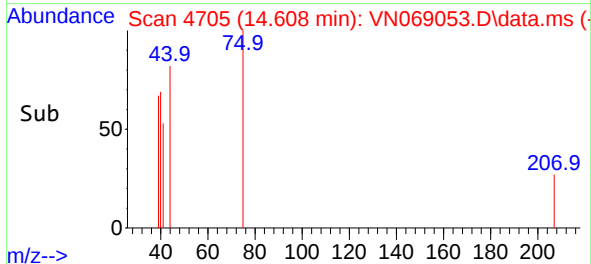
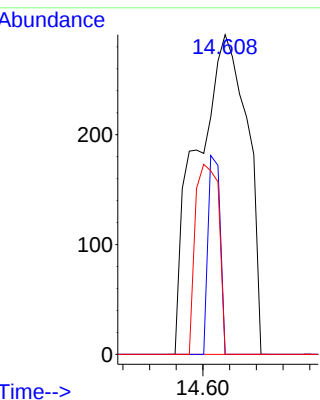
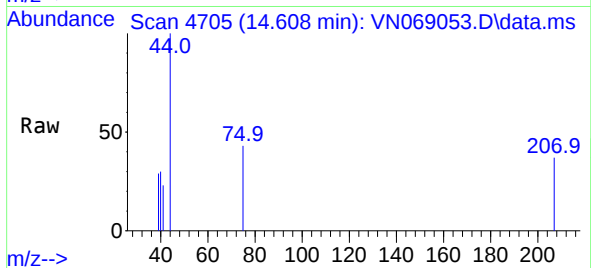




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.413 ug/l
RT: 14.608 min Scan# 4705
Delta R.T. 0.003 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

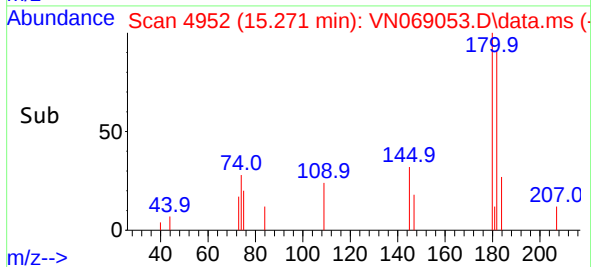
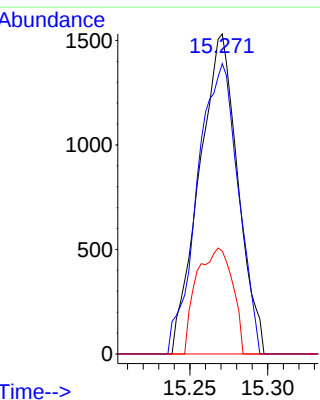
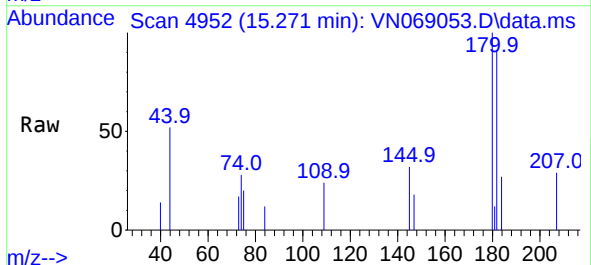
Instrument :
MSVOA_N
ClientSampled :

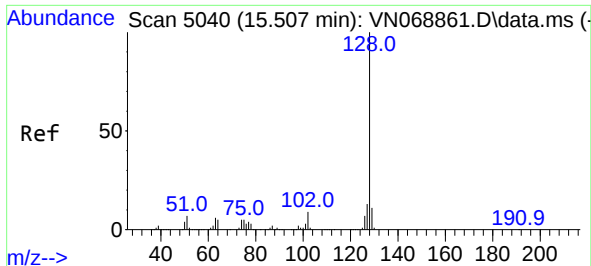
Tgt Ion: 75 Resp: 384
Ion Ratio Lower Upper
75 100
155 14.8 38.8 116.4#
157 27.1 50.2 150.6#



#93
1,2,4-Trichlorobenzene
Concen: 3.342 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Tgt Ion: 180 Resp: 2629
Ion Ratio Lower Upper
180 100
182 96.3 47.9 143.7
145 30.6 16.4 49.2

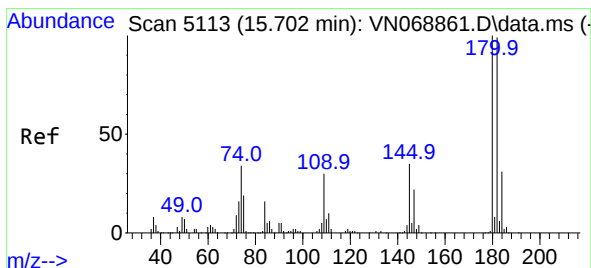
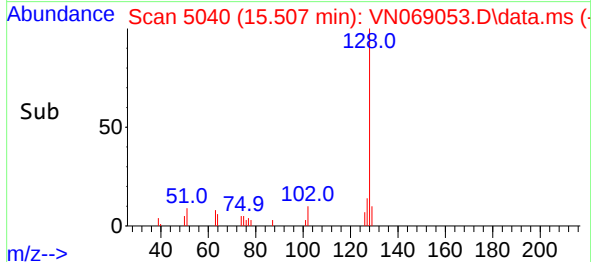
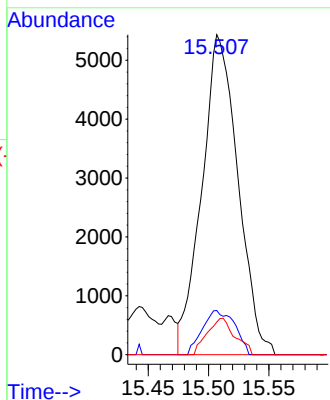
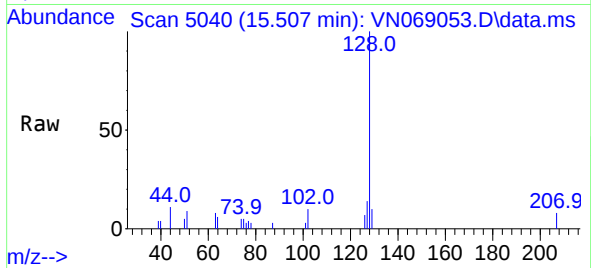




#95
Naphthalene
Concen: 4.935 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	11304
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	8.7	8.9	13.3#



#96
1,2,3-Trichlorobenzene
Concen: 3.499 ug/l
RT: 15.711 min Scan# 5116
Delta R.T. 0.009 min
Lab File: VN069053.D
Acq: 20 Oct 2021 11:21

Tgt Ion:	180	Resp:	3320
Ion	Ratio	Lower	Upper
180	100		
182	98.5	48.1	144.3
145	18.6	17.4	52.2

