

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102621\
 Data File : VN069160.D
 Acq On : 25 Oct 2021 18:59
 Operator : JC/MD
 Sample : M4283-01
 Misc : 5.01g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 26 01:35:49 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)

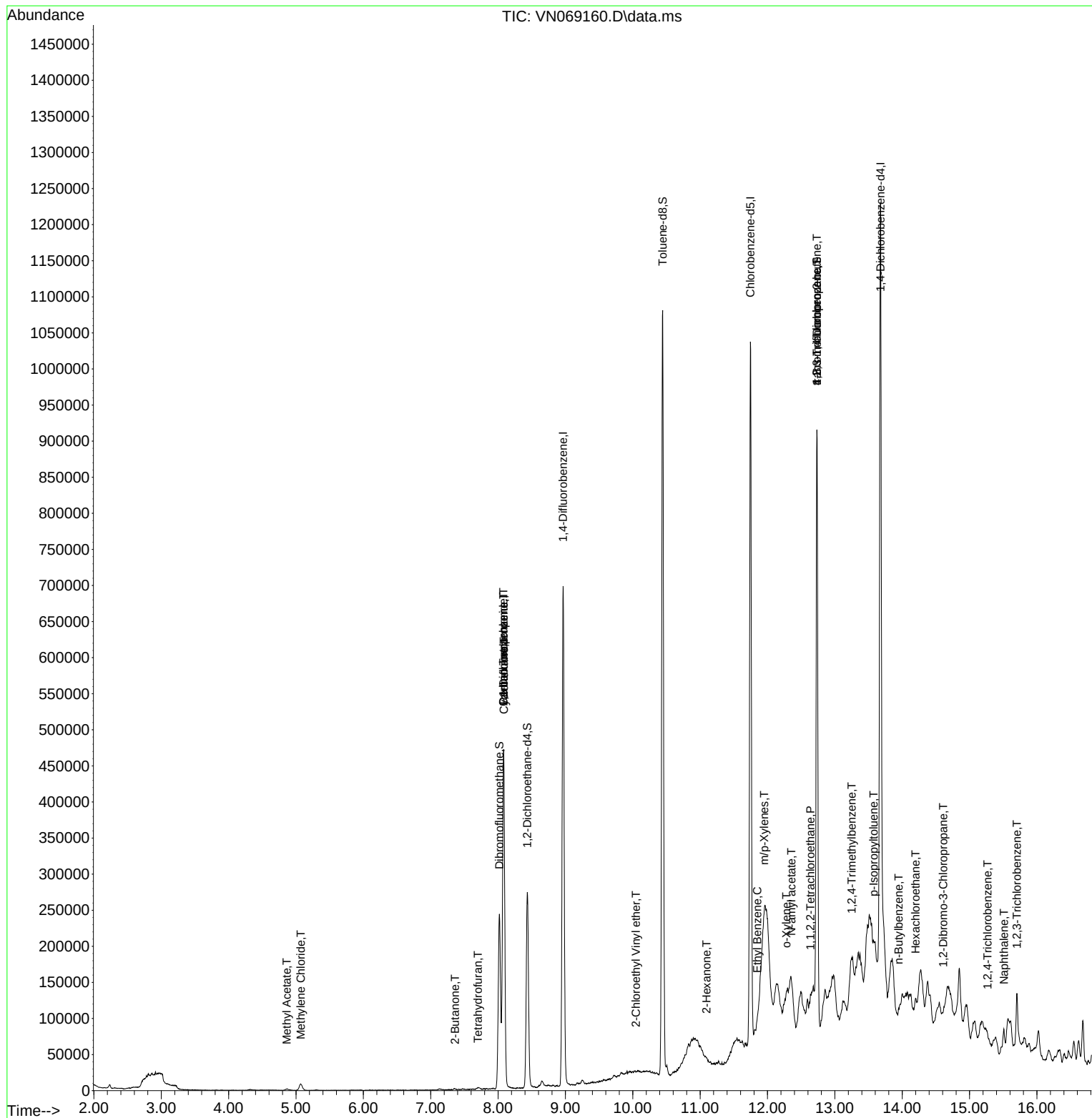
Internal Standards						
1) Pentafluorobenzene	8.083	168	351983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	623337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	574466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	275706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	232211	50.037	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 100.080%		
35) Dibromofluoromethane	8.019	113	177503	48.944	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 97.880%		
50) Toluene-d8	10.443	98	766743	52.840	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 105.680%		
62) 4-Bromofluorobenzene	12.734	95	298614	54.544	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 109.080%		
Target Compounds						Qvalue
18) Methyl Acetate	4.862	43	2196	0.334	ug/l	91
20) Methylene Chloride	5.071	84	7860	1.972	ug/l	88
25) 2-Butanone	7.362	43	592	0.226	ug/l #	48
29) Tetrahydrofuran	7.702	42	1014	0.597	ug/l #	59
31) Cyclohexane	8.086	56	8206	1.137	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	29414	5.525	ug/l #	50
38) Carbon Tetrachloride	8.080	117	38415	6.570	ug/l #	16
58) 2-Chloroethyl Vinyl ether	10.046	63	56	18.784	ug/l #	1
59) 2-Hexanone	11.095	43	1362	0.338	ug/l	98
67) Ethyl Benzene	11.849	91	4633	0.229	ug/l #	67
68) m/p-Xylenes	11.953	106	5605	0.732	ug/l #	1
69) o-Xylene	12.280	106	2496	0.326	ug/l	37
74) N-amyl acetate	12.355	43	19867	2.285	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.637	83	17931	2.704	ug/l #	30
76) 1,2,3-Trichloropropane	12.734	75	154597	26.354	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	154597	63.050	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.248	105	22050	1.197	ug/l #	32
86) p-Isopropyltoluene	13.576	119	9926	0.537	ug/l #	70
89) n-Butylbenzene	13.948	91	3124	0.203	ug/l #	90
90) Hexachloroethane	14.198	117	2514	0.647	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.608	75	634	0.496	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.268	180	1277	2.863	ug/l #	68
95) Naphthalene	15.509	128	26654	5.736	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.702	180	1501	2.837	ug/l #	79

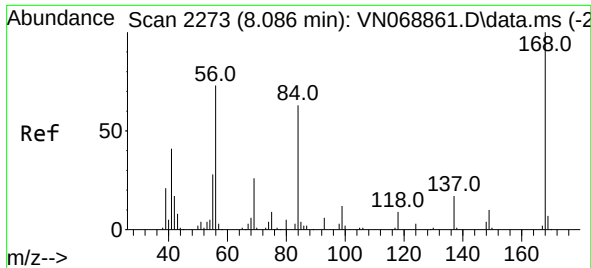
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 13 05:44:40 2021
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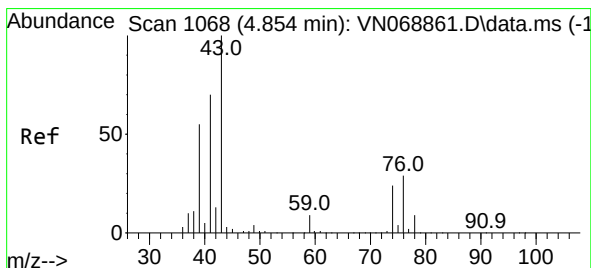
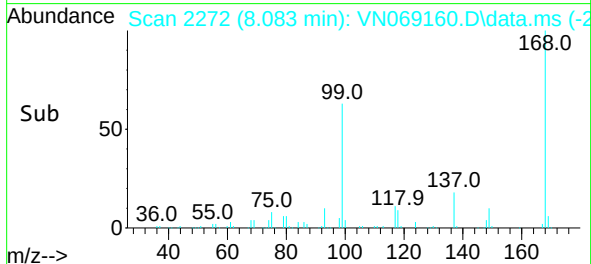
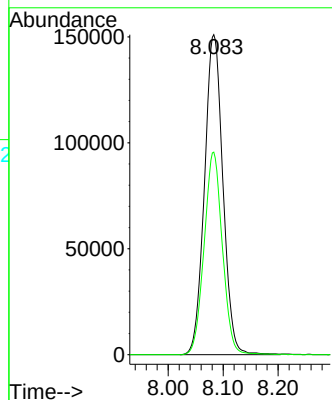
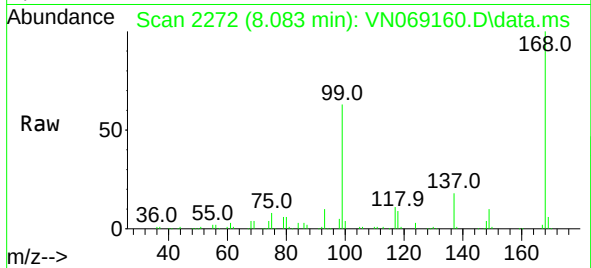




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.003 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

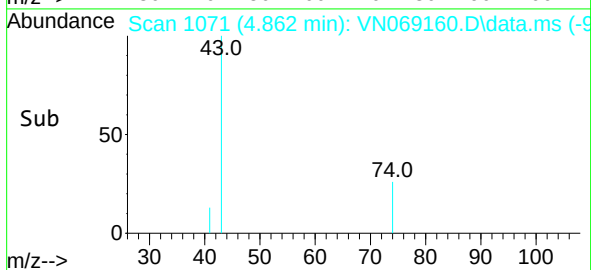
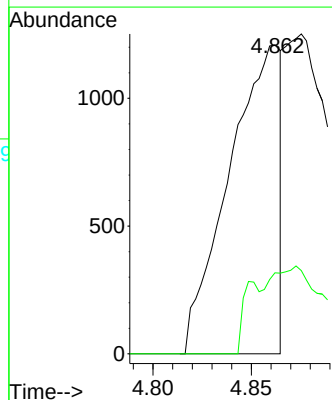
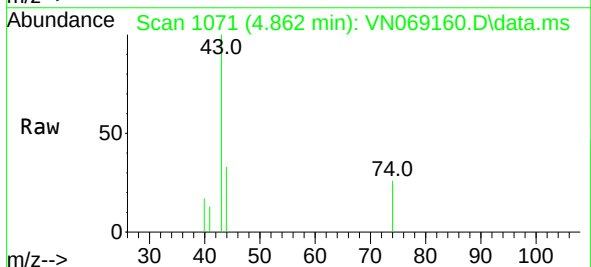
Instrument :
MSVOA_N
ClientSampled :

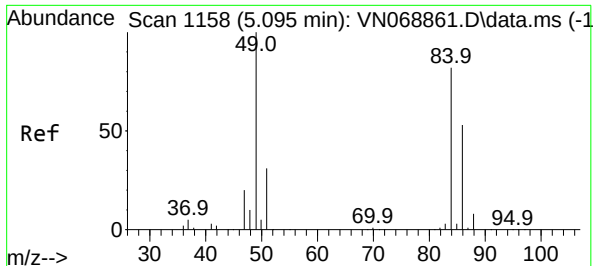
Tgt Ion:168 Resp: 351983
Ion Ratio Lower Upper
168 100
99 63.3 48.9 73.3



#18
Methyl Acetate
Concen: 0.334 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

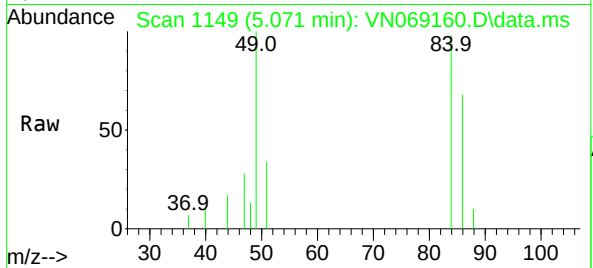
Tgt Ion: 43 Resp: 2196
Ion Ratio Lower Upper
43 100
74 27.9 18.9 28.3



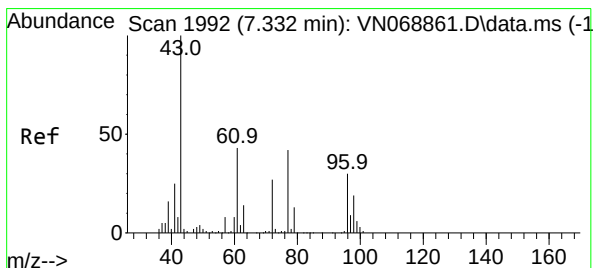
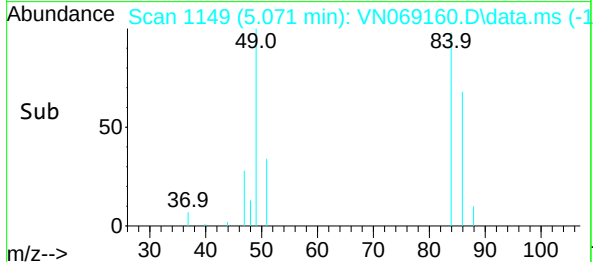
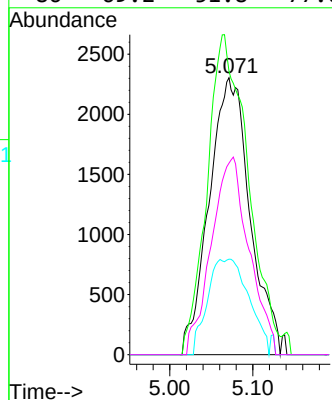


#20
Methylene Chloride
Concen: 1.972 ug/l
RT: 5.071 min Scan# 1149
Delta R.T. -0.024 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

Instrument :
MSVOA_N
ClientSampleId :

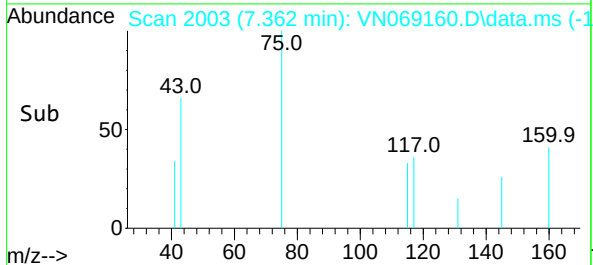
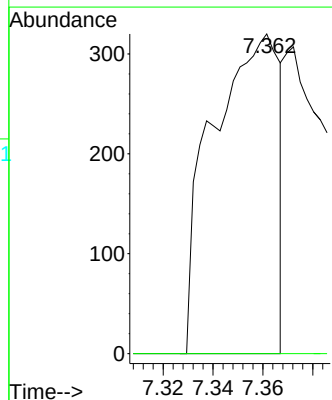
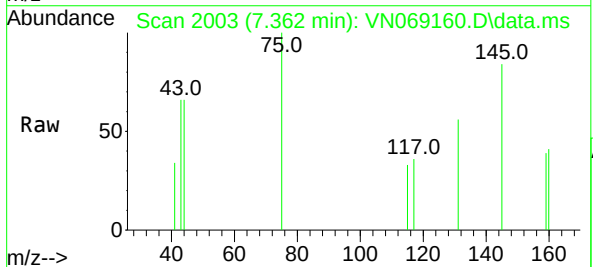


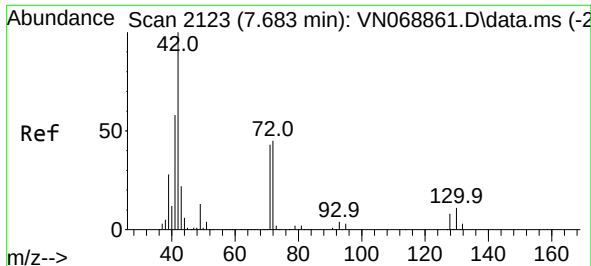
Tgt Ion:	84	Resp:	7860
Ion	Ratio	Lower	Upper
84	100		
49	102.3	97.6	146.4
51	34.5	30.3	45.5
86	69.2	51.8	77.6



#25
2-Butanone
Concen: 0.226 ug/l
RT: 7.362 min Scan# 2003
Delta R.T. 0.030 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

Tgt Ion:	43	Resp:	592
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.2	31.8#





#29

Tetrahydrofuran

Concen: 0.597 ug/l

RT: 7.702 min Scan# 2130

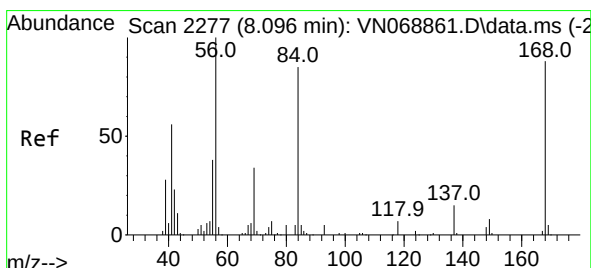
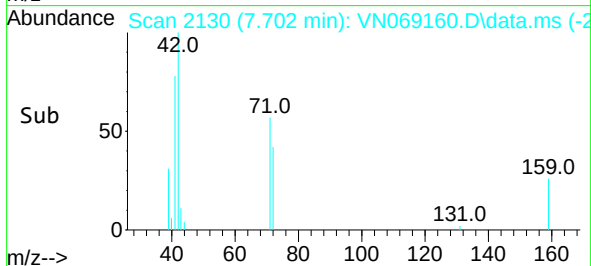
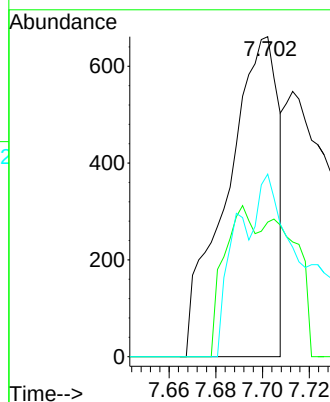
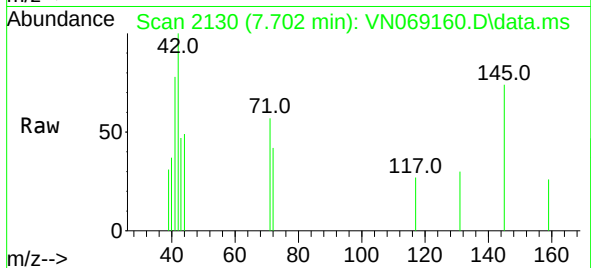
Delta R.T. 0.019 min

Lab File: VN069160.D

Acq: 25 Oct 2021 18:59

Tgt Ion:	42	Resp:	1014
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.4	53.2#
71	50.4	33.8	50.6

Instrument :
MSVOA_N
ClientSampleId :



#31

Cyclohexane

Concen: 1.137 ug/l

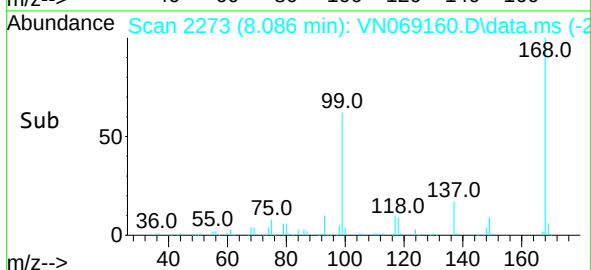
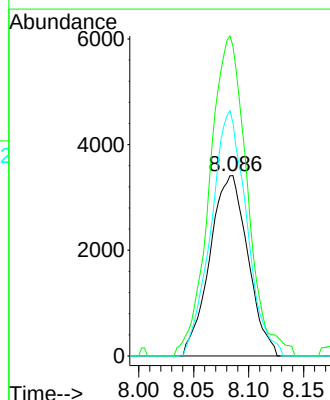
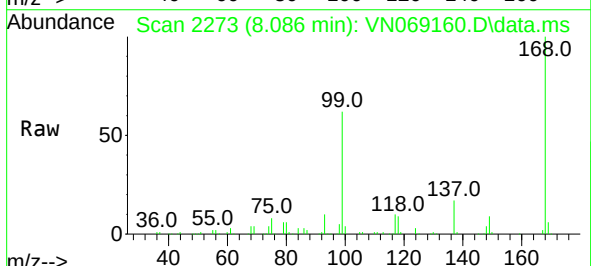
RT: 8.086 min Scan# 2273

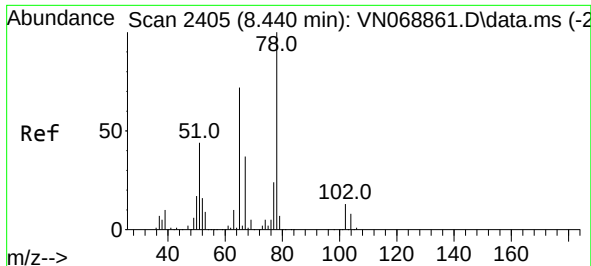
Delta R.T. -0.010 min

Lab File: VN069160.D

Acq: 25 Oct 2021 18:59

Tgt Ion:	56	Resp:	8206
Ion	Ratio	Lower	Upper
56	100		
69	166.1	26.9	40.3#
84	129.2	67.6	101.4#

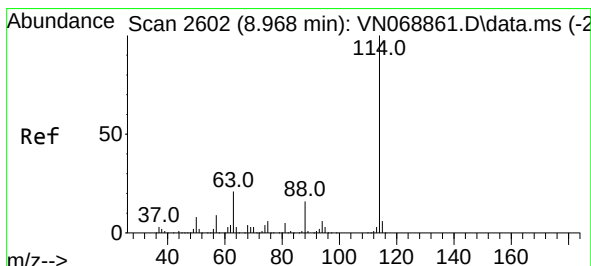
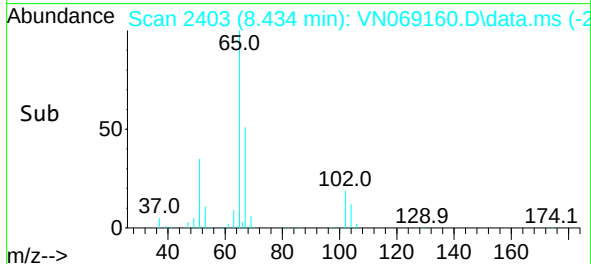
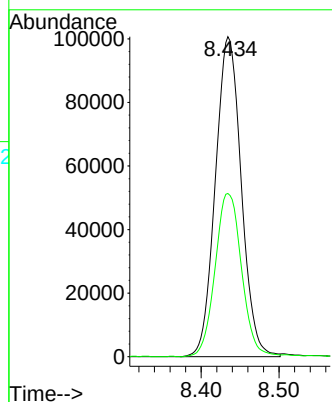
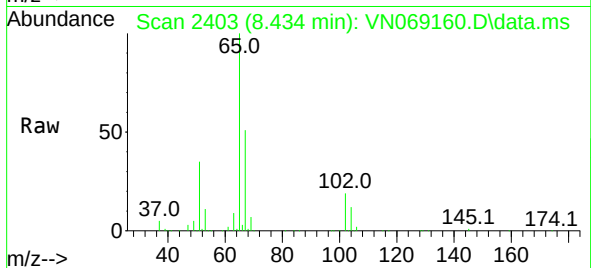




#33
 1,2-Dichloroethane-d4
 Concen: 50.037 ug/l
 RT: 8.434 min Scan# 2403
 Delta R.T. -0.005 min
 Lab File: VN069160.D
 Acq: 25 Oct 2021 18:59

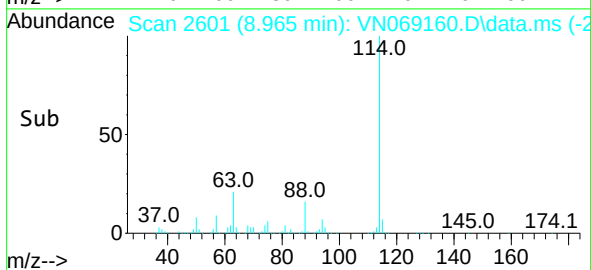
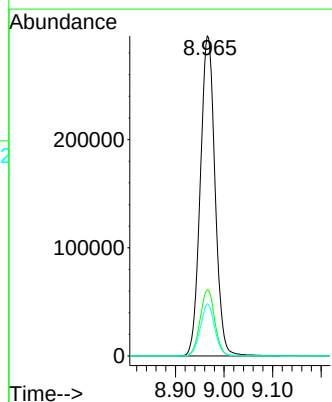
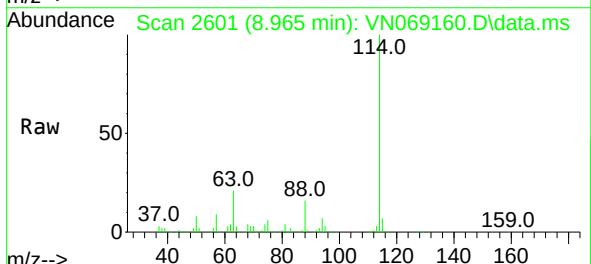
Instrument :
 MSVOA_N
 ClientSampleId :

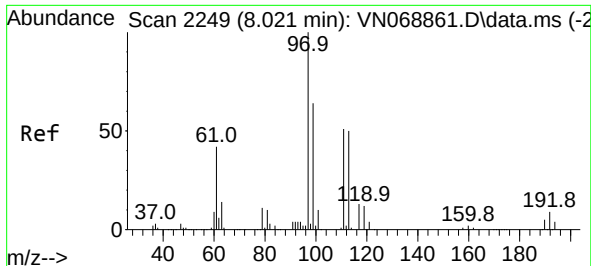
Tgt Ion: 65 Resp: 232211
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.965 min Scan# 2601
 Delta R.T. -0.003 min
 Lab File: VN069160.D
 Acq: 25 Oct 2021 18:59

Tgt Ion: 114 Resp: 623337
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.6
 88 16.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.944 ug/l

RT: 8.019 min Scan# 2248

Delta R.T. -0.003 min

Lab File: VN069160.D

Acq: 25 Oct 2021 18:59

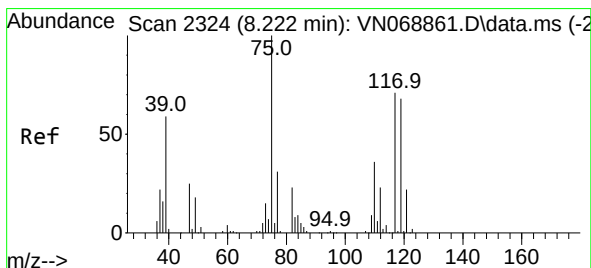
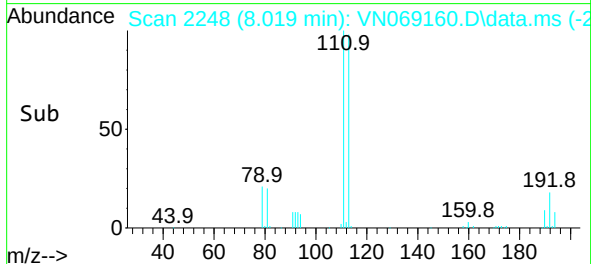
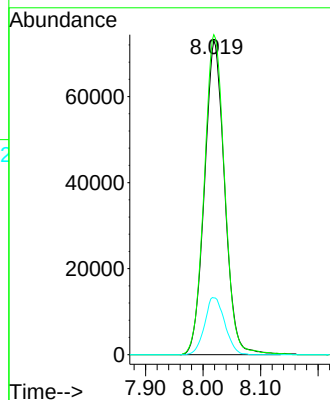
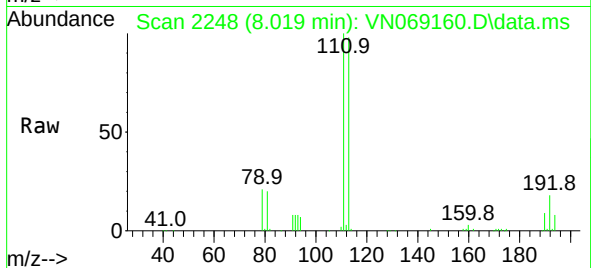
Tgt Ion:113 Resp: 177503

Ion Ratio Lower Upper

113 100

111 103.0 83.2 124.8

192 18.2 15.0 22.4



#36

1,1-Dichloropropene

Concen: 5.525 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.142 min

Lab File: VN069160.D

Acq: 25 Oct 2021 18:59

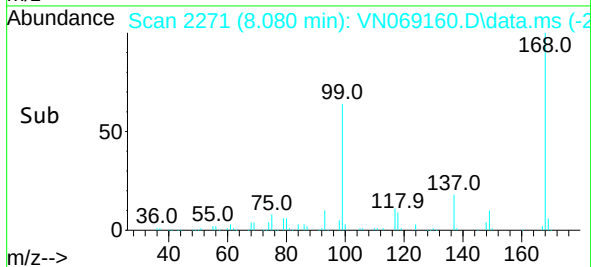
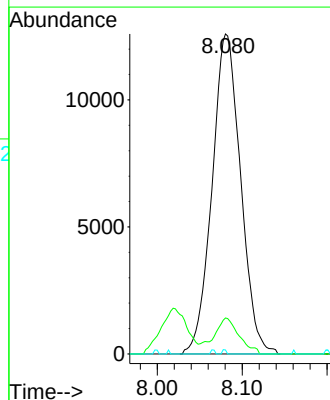
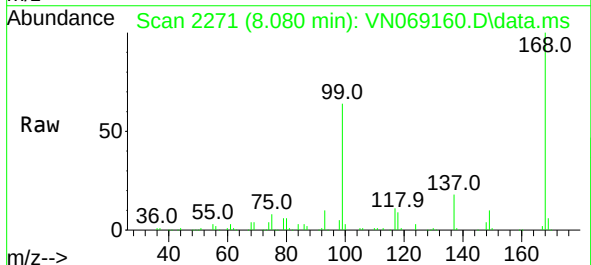
Tgt Ion: 75 Resp: 29414

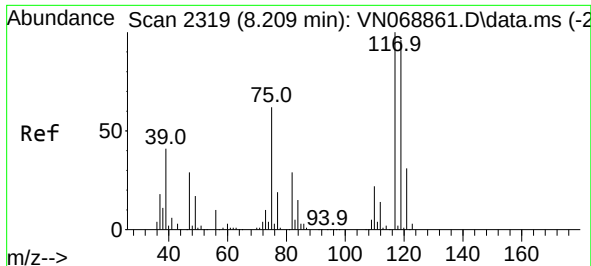
Ion Ratio Lower Upper

75 100

110 9.8 17.9 53.8#

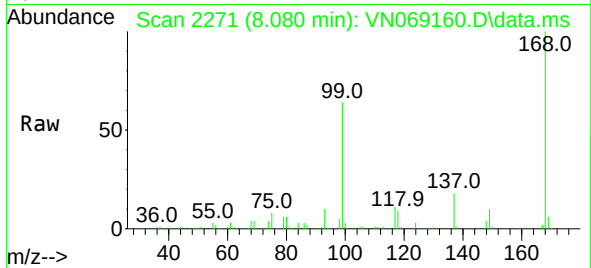
77 0.2 24.7 37.1#



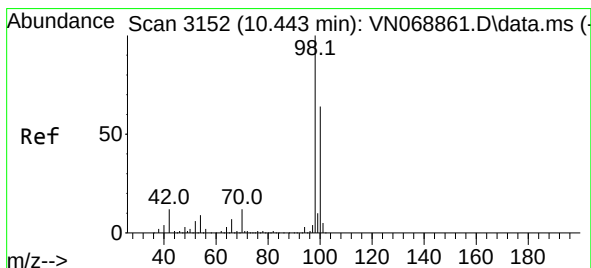
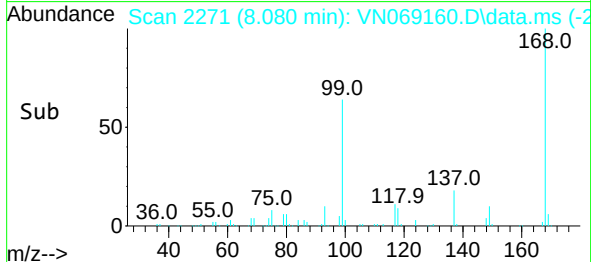
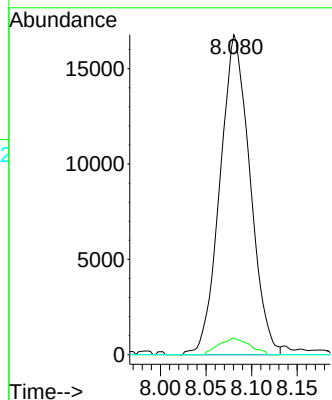


#38
Carbon Tetrachloride
Concen: 6.570 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.129 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

Instrument :
MSVOA_N
ClientSampled :

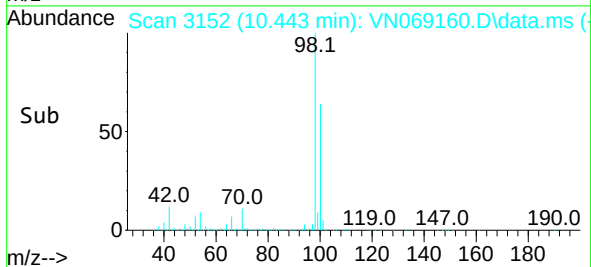
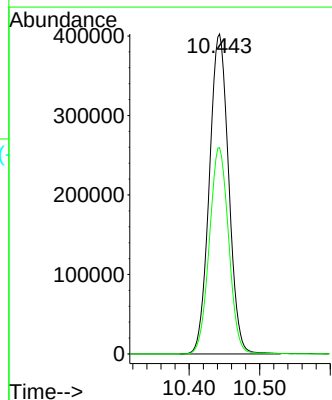
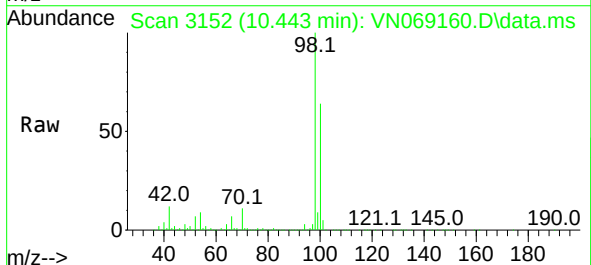


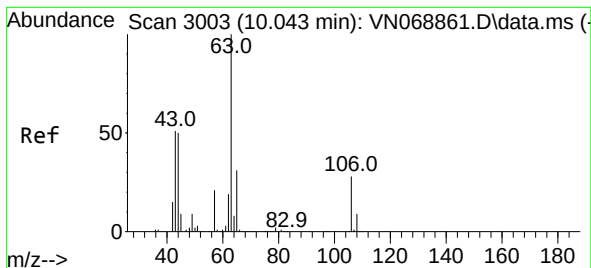
Tgt Ion:117 Resp: 38415
Ion Ratio Lower Upper
117 100
119 5.2 76.9 115.3#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 52.840 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

Tgt Ion: 98 Resp: 766743
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3

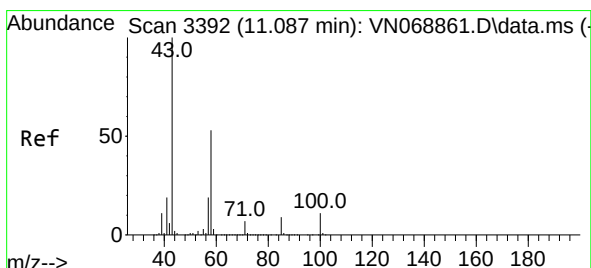
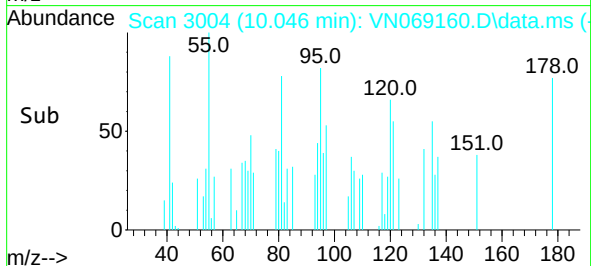
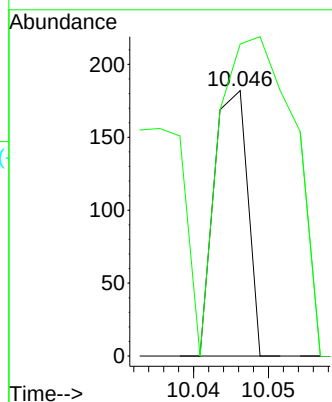
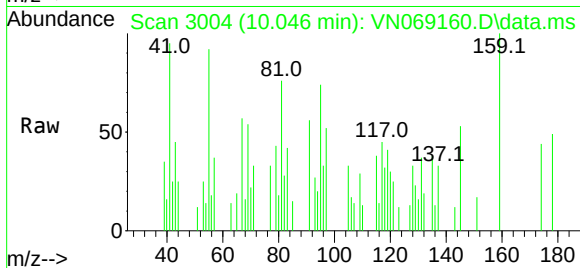




#58
2-Chloroethyl Vinyl ether
Concen: 18.784 ug/l
RT: 10.046 min Scan# 3004
Delta R.T. 0.003 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

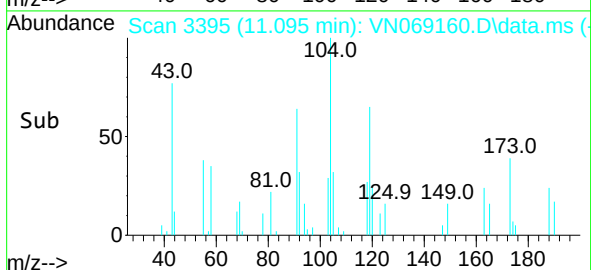
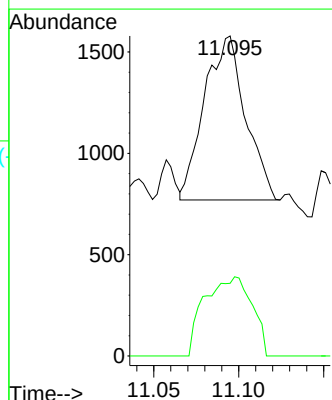
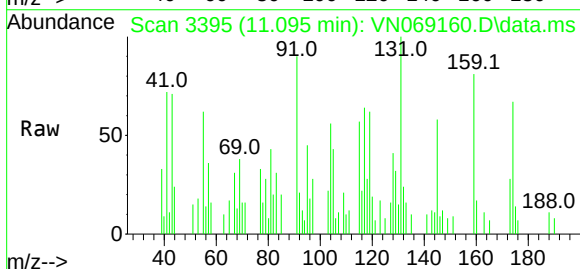
Instrument :
MSVOA_N
ClientSampleId :

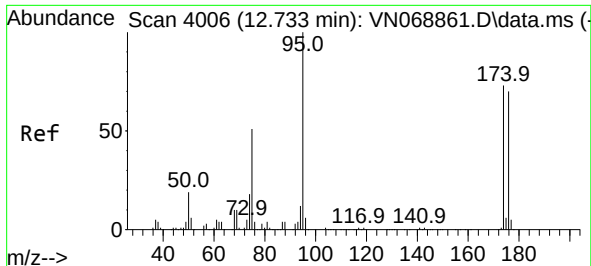
Tgt Ion: 63 Resp: 56
Ion Ratio Lower Upper
63 100
106 269.6 22.2 33.2#



#59
2-Hexanone
Concen: 0.338 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

Tgt Ion: 43 Resp: 1362
Ion Ratio Lower Upper
43 100
58 55.5 26.9 80.7

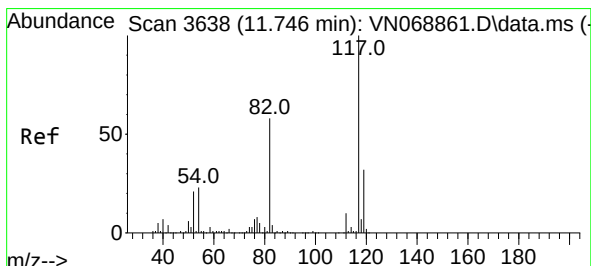
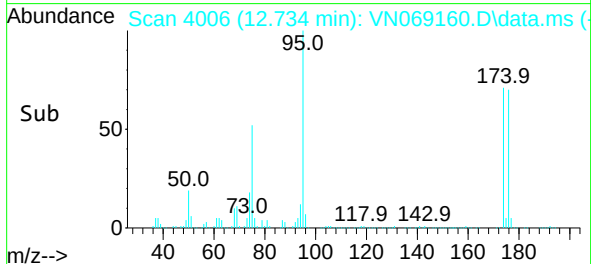
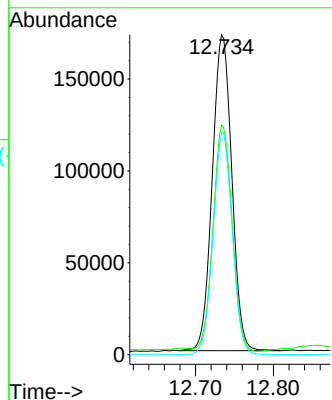
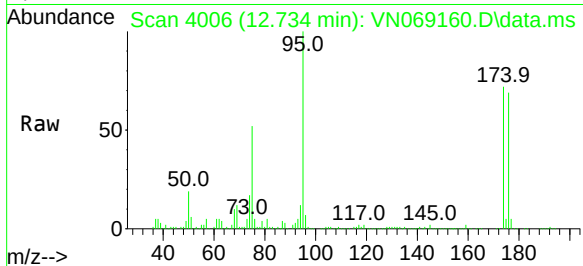




#62
4-Bromofluorobenzene
Concen: 54.544 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

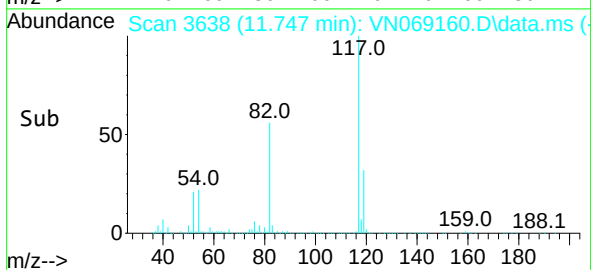
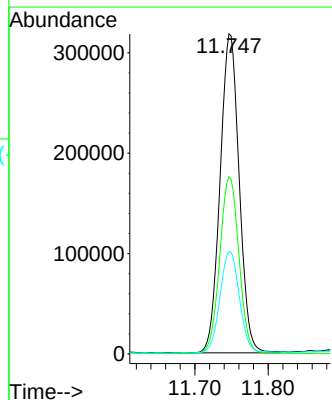
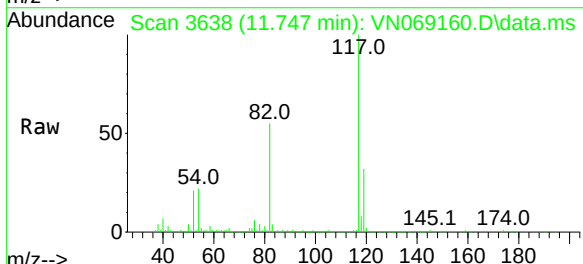
Instrument :
MSVOA_N
ClientSampleId :

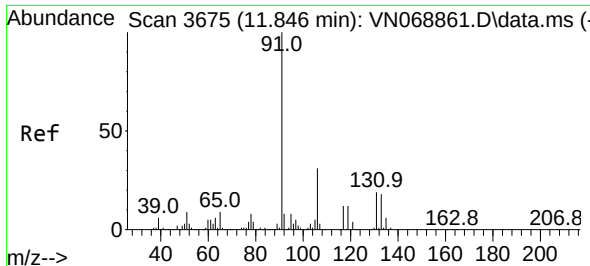
Tgt Ion: 95 Resp: 298614
Ion Ratio Lower Upper
95 100
174 70.5 0.0 144.8
176 69.3 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

Tgt Ion: 117 Resp: 574466
Ion Ratio Lower Upper
117 100
82 55.4 46.4 69.6
119 31.8 26.0 39.0

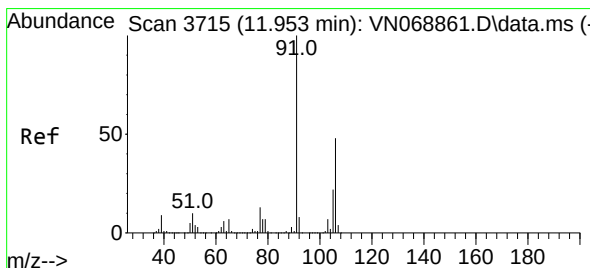
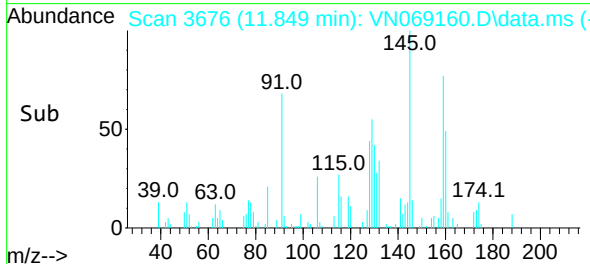
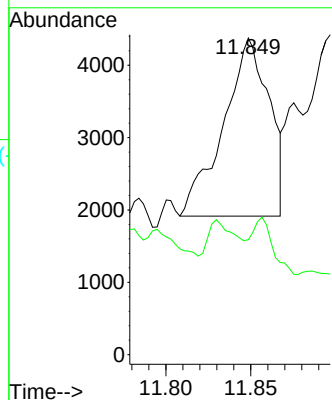
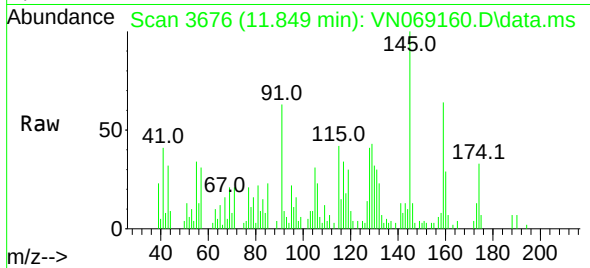




#67
Ethyl Benzene
Concen: 0.229 ug/l
RT: 11.849 min Scan# 3676
Delta R.T. 0.003 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

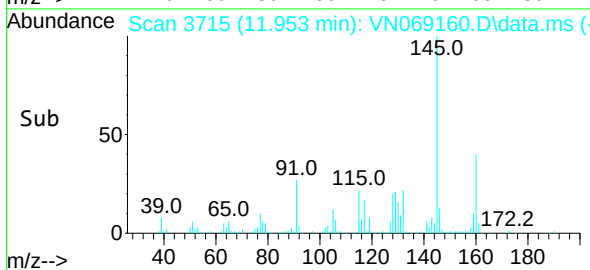
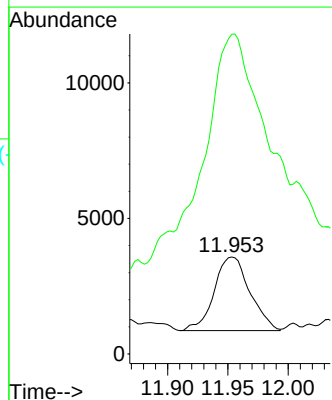
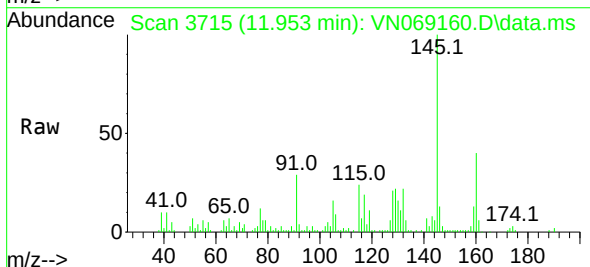
Instrument :
MSVOA_N
ClientSampled :

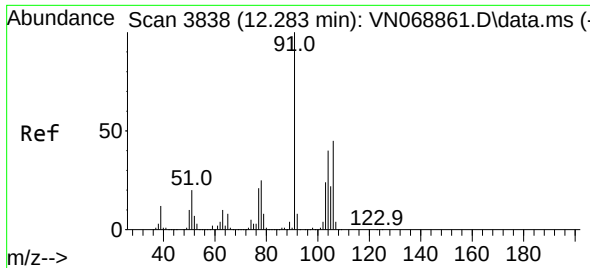
Tgt Ion: 91 Resp: 4633
Ion Ratio Lower Upper
91 100
106 12.9 24.8 37.2#



#68
m/p-Xylenes
Concen: 0.732 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

Tgt Ion:106 Resp: 5605
Ion Ratio Lower Upper
106 100
91 539.9 166.8 250.2#

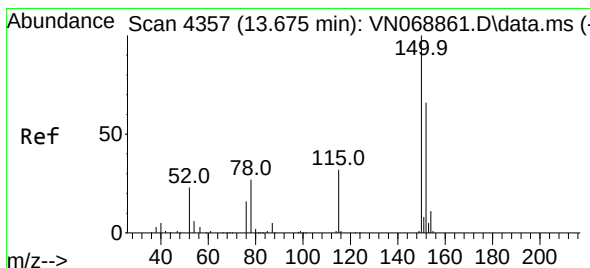
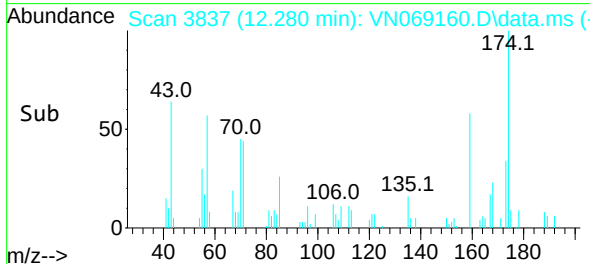
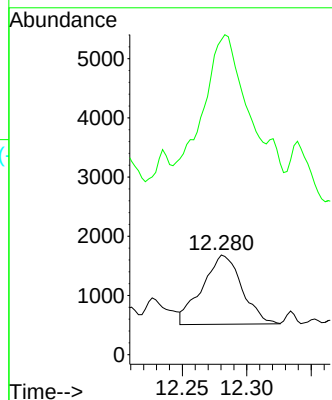
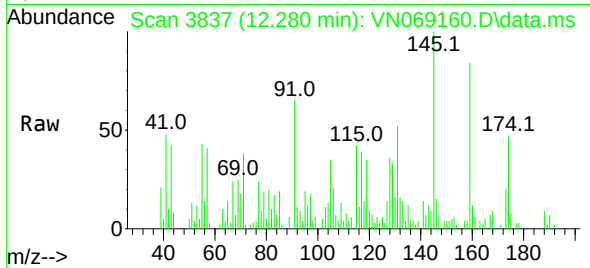




#69
o-Xylene
Concen: 0.326 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

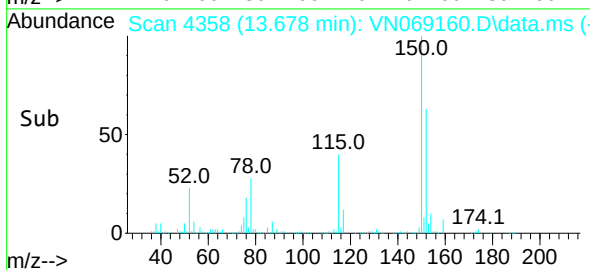
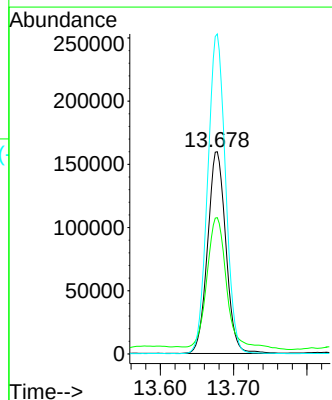
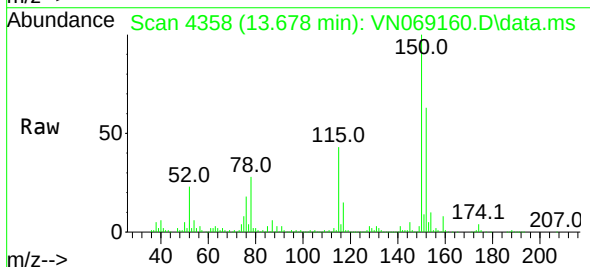
Instrument :
MSVOA_N
ClientSampleId :

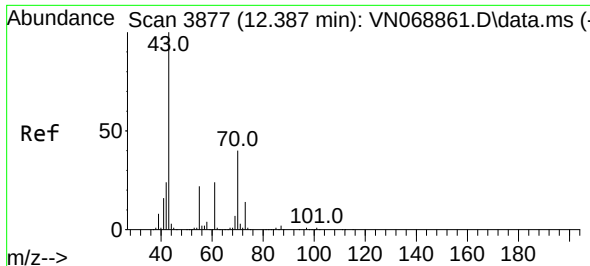
Tgt Ion:106 Resp: 2496
Ion Ratio Lower Upper
106 100
91 118.4 109.6 328.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

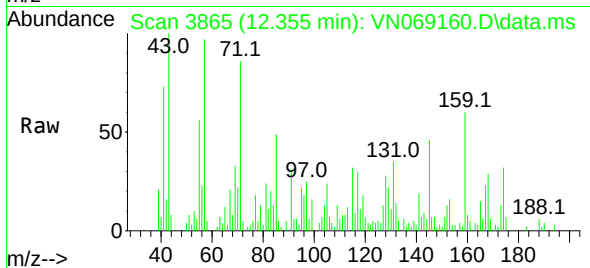
Tgt Ion:152 Resp: 275706
Ion Ratio Lower Upper
152 100
115 71.9 31.4 94.3
150 155.2 0.0 351.0



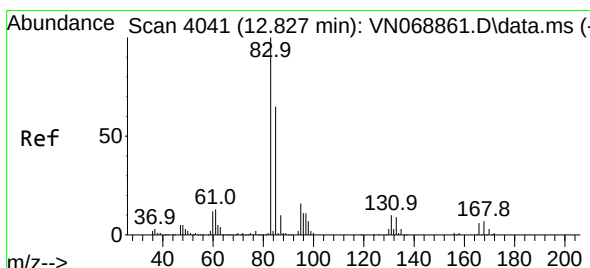
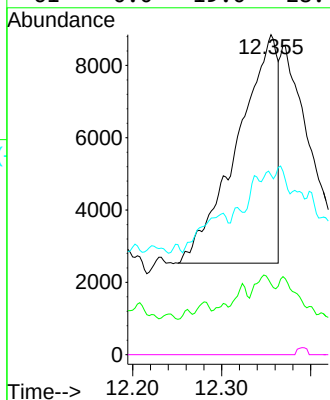
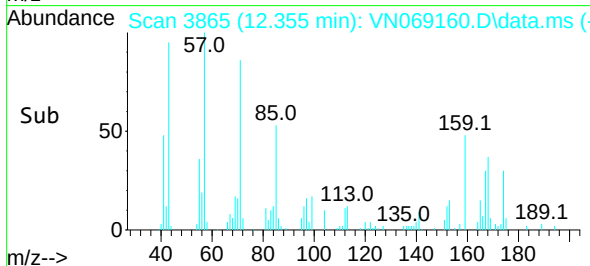


#74
N-amy1 acetate
Concen: 2.285 ug/l
RT: 12.355 min Scan# 3865
Delta R.T. -0.032 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

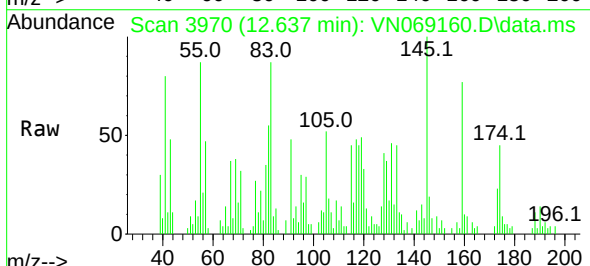
Instrument :
MSVOA_N
ClientSampleId :



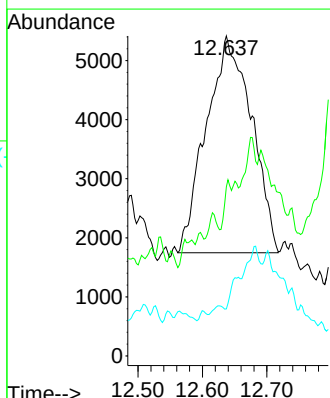
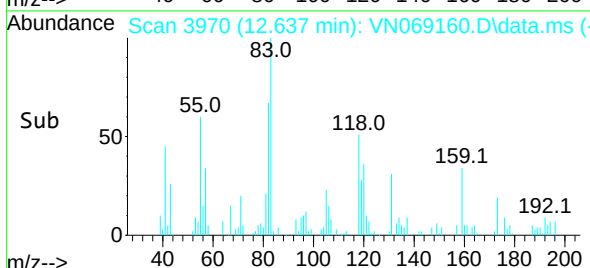
Tgt Ion: 43 Resp: 19867
Ion Ratio Lower Upper
43 100
70 6.5 32.2 48.2#
55 4.0 18.0 27.0#
61 0.0 19.0 28.4#

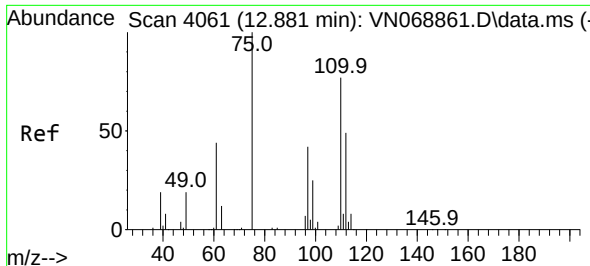


#75
1,1,2,2-Tetrachloroethane
Concen: 2.704 ug/l
RT: 12.637 min Scan# 3970
Delta R.T. -0.190 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59



Tgt Ion: 83 Resp: 17931
Ion Ratio Lower Upper
83 100
131 3.2 5.1 15.2#
85 3.0 32.3 96.8#

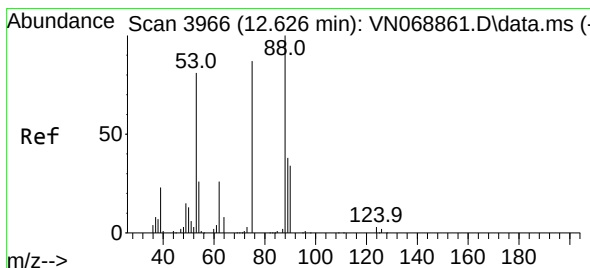
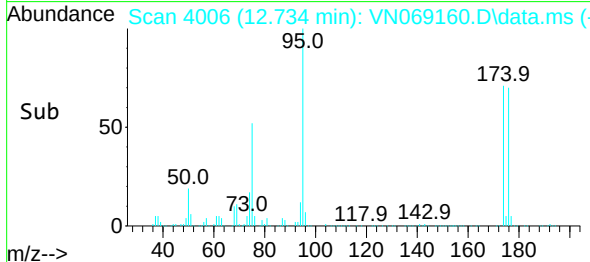
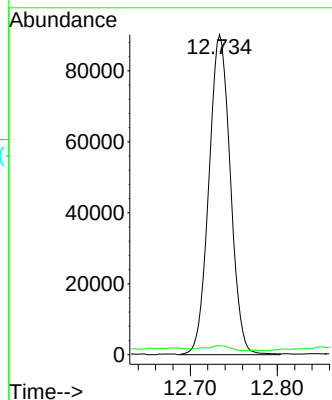
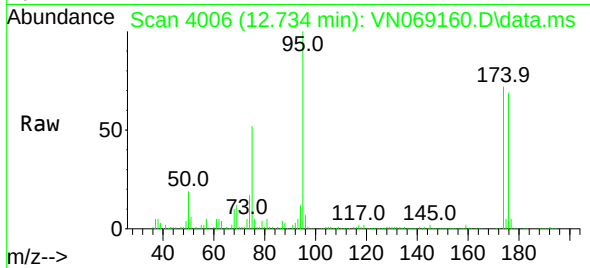




#76
1,2,3-Trichloropropane
Concen: 26.354 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

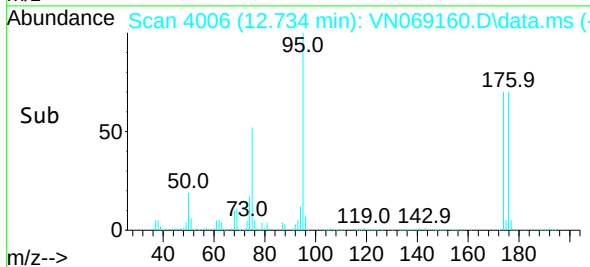
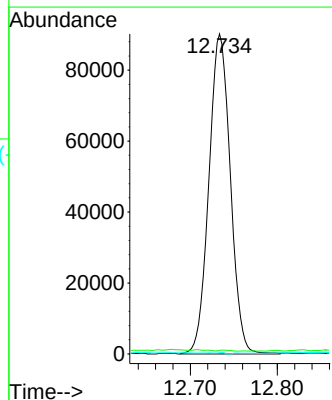
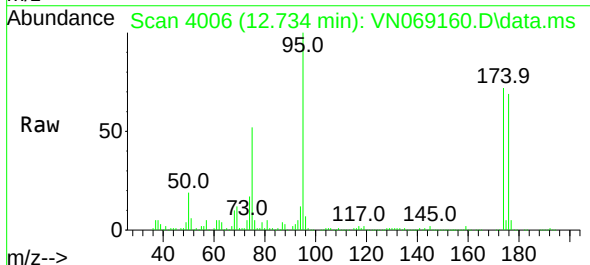
Instrument :
MSVOA_N
ClientSampleId :

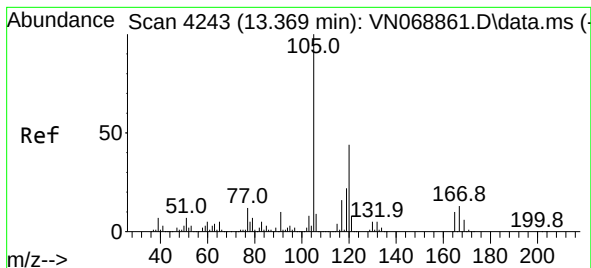
Tgt Ion: 75 Resp: 154597
Ion Ratio Lower Upper
75 100
77 1.3 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.050 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

Tgt Ion: 75 Resp: 154597
Ion Ratio Lower Upper
75 100
53 0.2 75.4 113.2#
89 0.2 36.9 55.3#

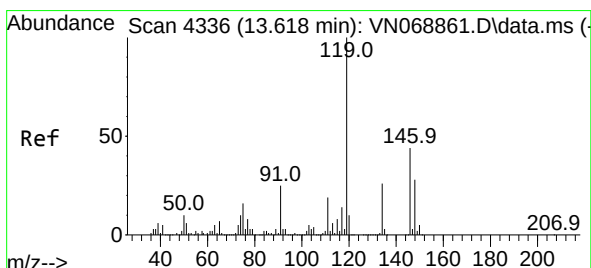
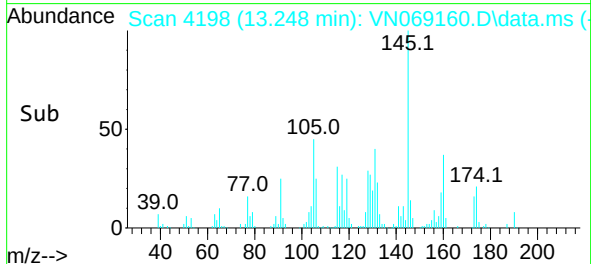
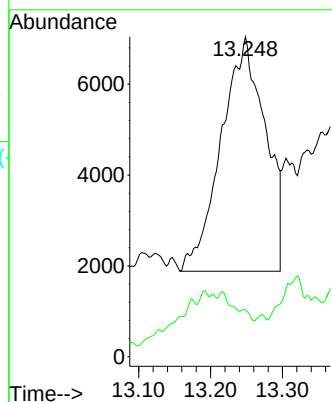
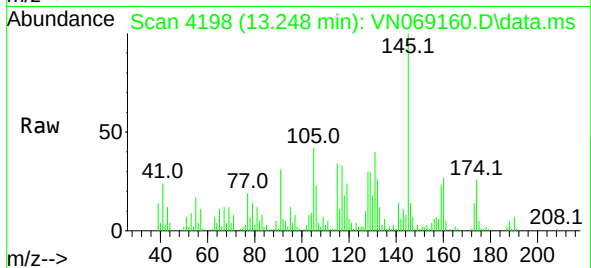




#84
1,2,4-Trimethylbenzene
Concen: 1.197 ug/l
RT: 13.248 min Scan# 4198
Delta R.T. -0.121 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

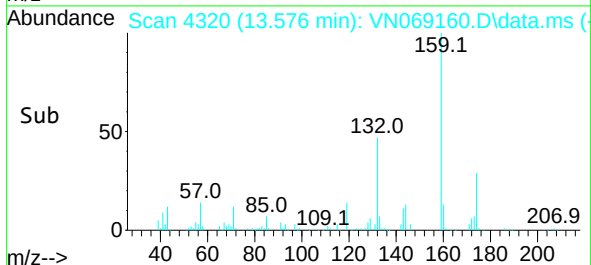
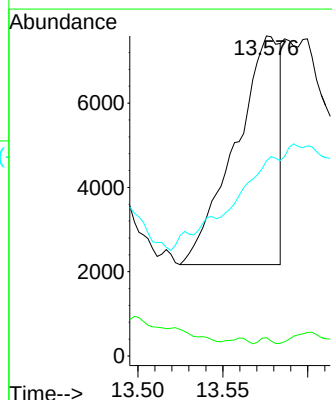
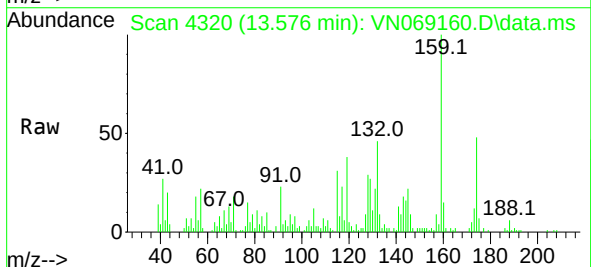
Instrument :
MSVOA_N
ClientSampled :

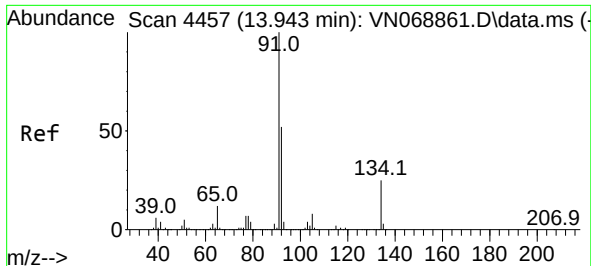
Tgt Ion:105 Resp: 22050
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.5#



#86
p-Isopropyltoluene
Concen: 0.537 ug/l
RT: 13.576 min Scan# 4320
Delta R.T. -0.043 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

Tgt Ion:119 Resp: 9926
Ion Ratio Lower Upper
119 100
134 0.6 12.9 38.6#
91 30.4 12.8 38.4

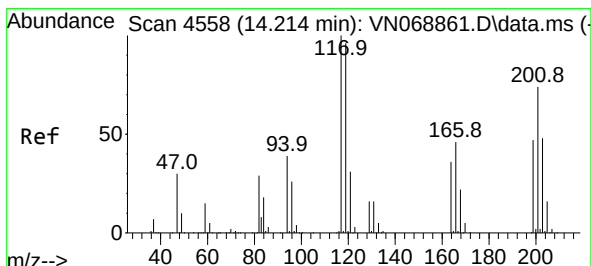
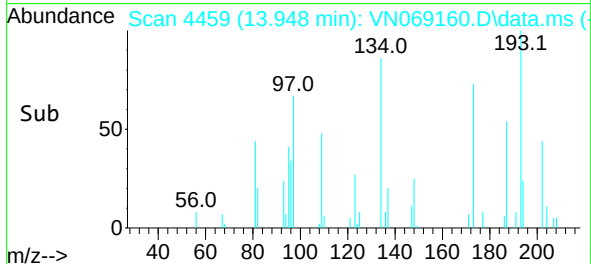
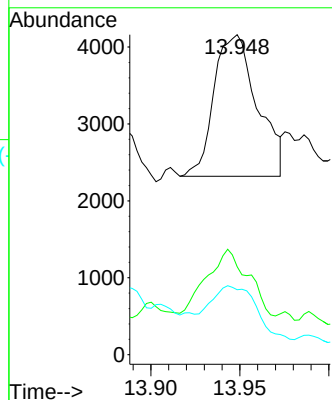
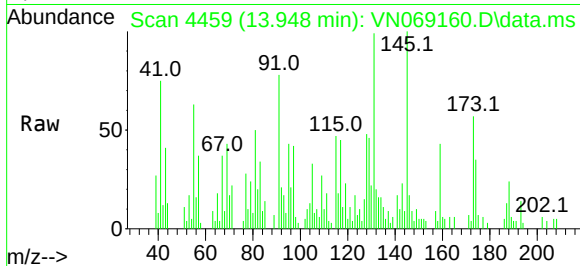




#89
n-Butylbenzene
Concen: 0.203 ug/l
RT: 13.948 min Scan# 4459
Delta R.T. 0.005 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

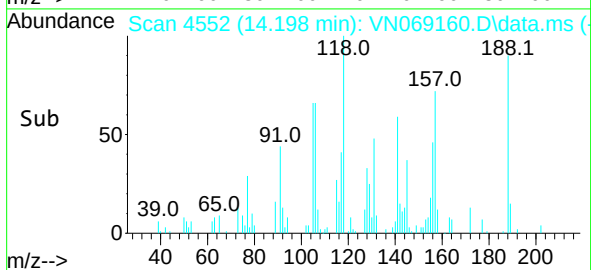
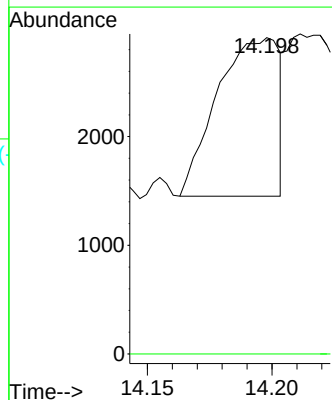
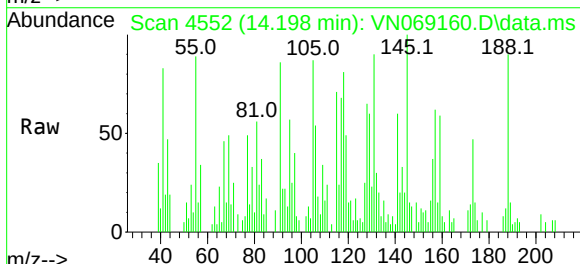
Instrument :
MSVOA_N
ClientSampled :

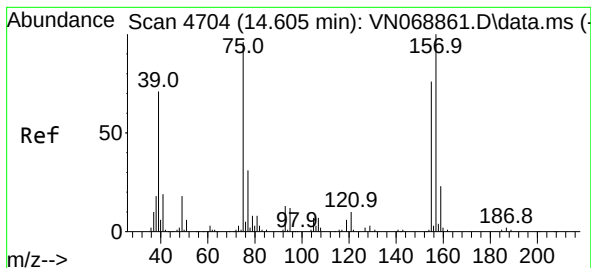
Tgt Ion: 91 Resp: 3124
Ion Ratio Lower Upper
91 100
92 52.9 26.0 78.0
134 39.8 12.5 37.5#



#90
Hexachloroethane
Concen: 0.647 ug/l
RT: 14.198 min Scan# 4552
Delta R.T. -0.016 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

Tgt Ion: 117 Resp: 2514
Ion Ratio Lower Upper
117 100
201 0.0 37.1 111.5#

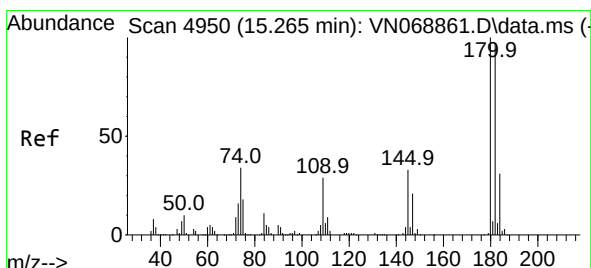
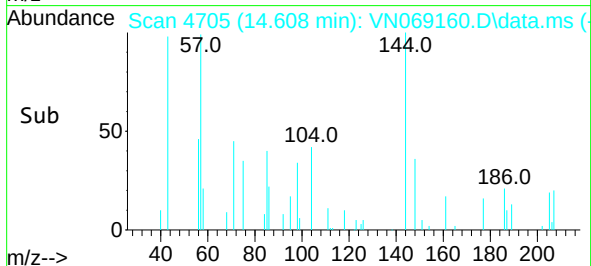
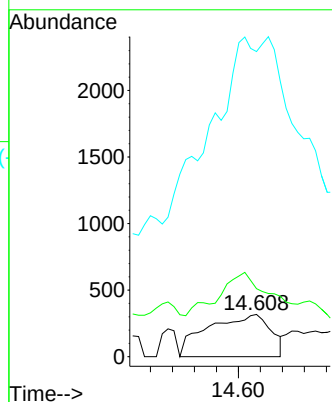
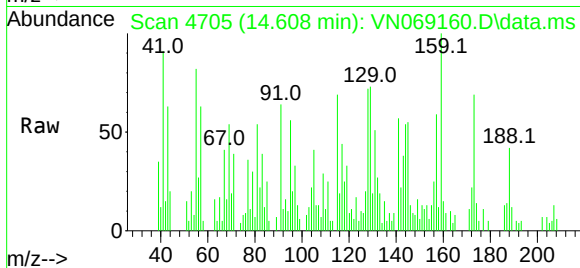




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.496 ug/l
 RT: 14.608 min Scan# 4705
 Delta R.T. 0.003 min
 Lab File: VN069160.D
 Acq: 25 Oct 2021 18:59

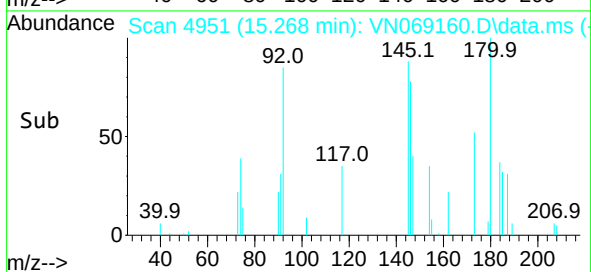
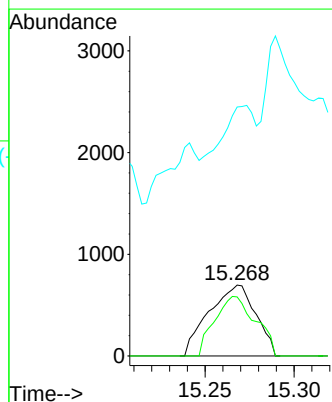
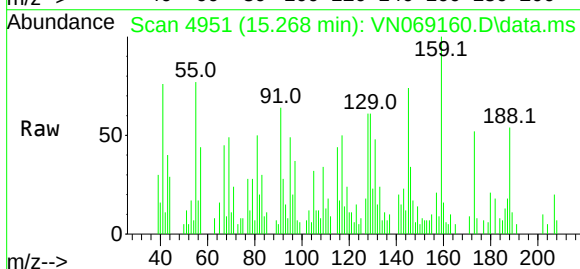
Instrument :
 MSVOA_N
 ClientSampleId :

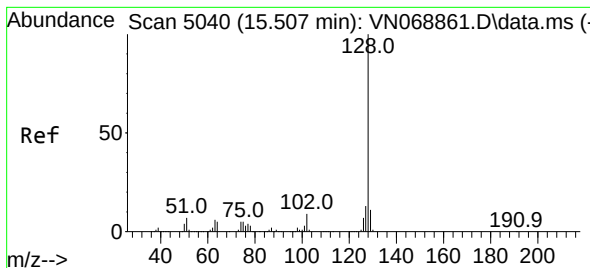
Tgt Ion: 75 Resp: 634
 Ion Ratio Lower Upper
 75 100
 155 87.5 38.8 116.4
 157 314.4 50.2 150.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.863 ug/l
 RT: 15.268 min Scan# 4951
 Delta R.T. 0.003 min
 Lab File: VN069160.D
 Acq: 25 Oct 2021 18:59

Tgt Ion:180 Resp: 1277
 Ion Ratio Lower Upper
 180 100
 182 73.2 47.9 143.7
 145 0.0 16.4 49.2#

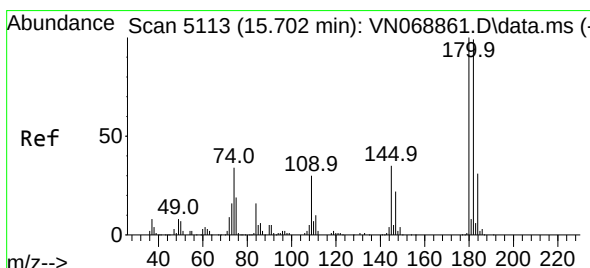
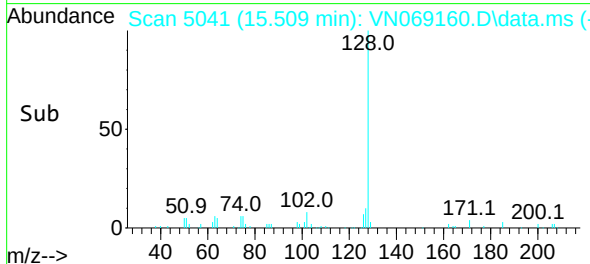
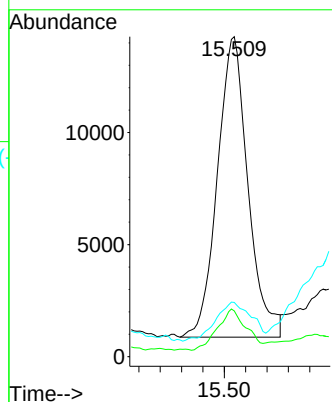
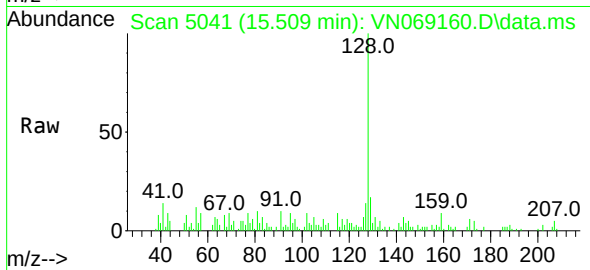




#95
Naphthalene
Concen: 5.736 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 26654
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 15.3 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.837 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069160.D
Acq: 25 Oct 2021 18:59

Tgt Ion:180 Resp: 1501
Ion Ratio Lower Upper
180 100
182 88.9 48.1 144.3
145 0.0 17.4 52.2#

