

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072221\
 Data File : VN067860.D
 Acq On : 22 Jul 2021 14:14
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 07:13:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

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

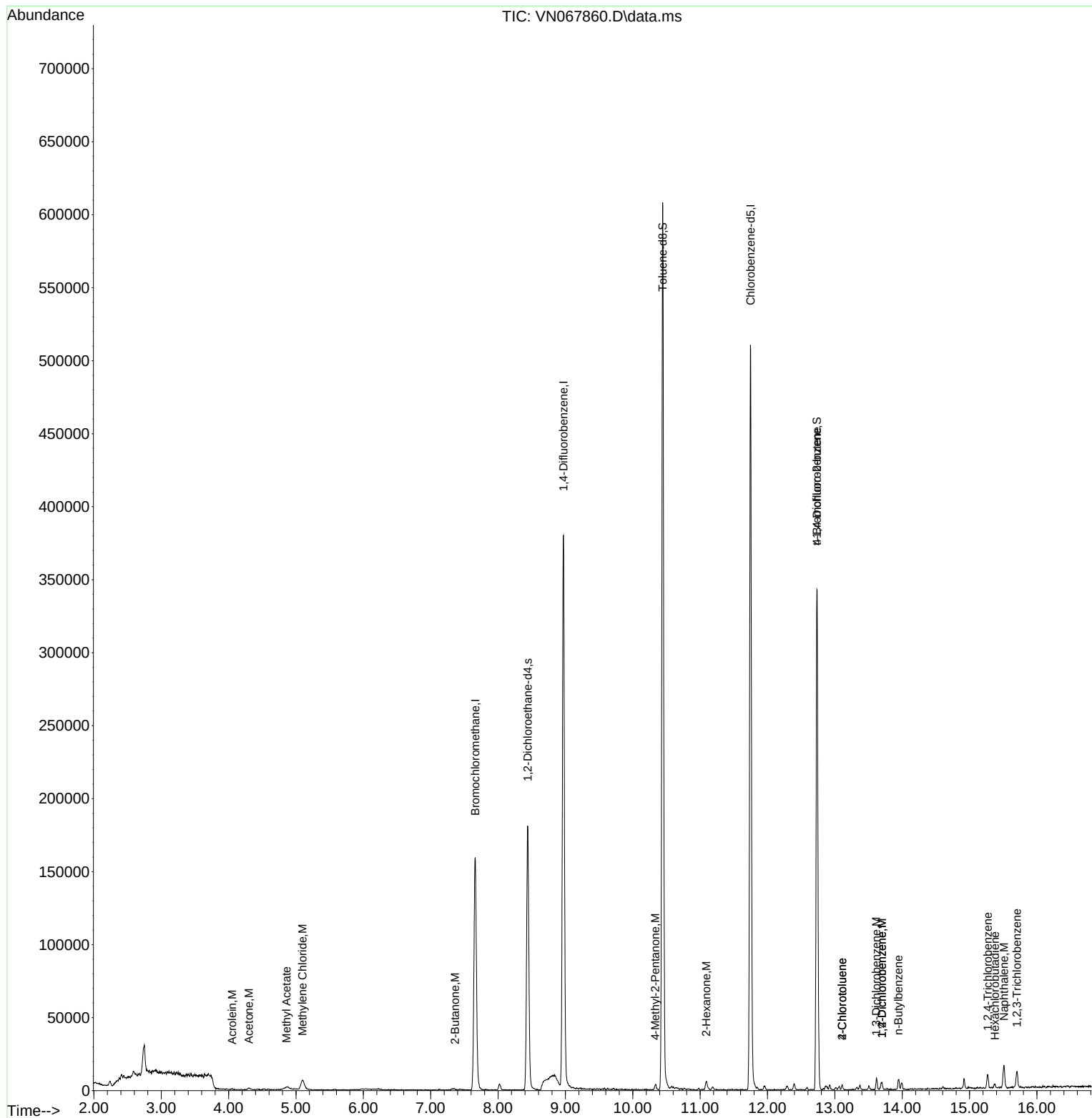
Internal Standards						
1) Bromochloromethane	7.662	128	58424	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	334241	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	292423	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	154261	32.682	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.933%
60) 4-Bromofluorobenzene	12.733	95	125972	26.526	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.433%
63) Toluene-d8	10.443	98	423859	31.514	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.033%
Target Compounds						
					Qvalue	
12) Methyl Acetate	4.859	43	1272	0.329	ug/l #	82
13) Acrolein	4.052	56	326	0.805	ug/l #	52
15) Acetone	4.299	58	242	0.574	ug/l #	1
18) Methylene Chloride	5.095	84	2903	0.740	ug/l #	87
30) 2-Butanone	7.359	43	794	0.327	ug/l #	54
58) 4-Methyl-2-Pentanone	10.336	43	2147	0.428	ug/l #	90
59) 2-Hexanone	11.092	43	4011	1.139	ug/l	98
75) 2-Chlorotoluene	13.109	91	2547	0.200	ug/l	72
77) t-1,4-Dichloro-2-butene	12.733	75	69648	47.279	ug/l #	4
78) 4-Chlorotoluene	13.109	91	2547	0.201	ug/l	72
83) 1,3-Dichlorobenzene	13.613	146	1804	0.227	ug/l	90
84) 1,4-Dichlorobenzene	13.699	146	2255	0.292	ug/l	88
85) n-Butylbenzene	13.946	91	4521	0.361	ug/l	92
87) 1,2-Dichlorobenzene	13.699	146	2255	0.298	ug/l	86
89) 1,2,4-Trichlorobenzene	15.271	180	3349	0.969	ug/l #	95
90) Hexachlorobutadiene	15.378	225	471	0.284	ug/l	76
91) Naphthalene	15.512	128	14424	1.469	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	4121	1.245	ug/l	91

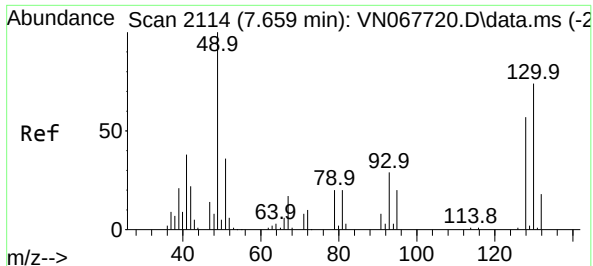
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072221\
Data File : VN067860.D
Acq On : 22 Jul 2021 14:14
Operator : JC/MD
Sample : IBLK
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 24 07:13:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 14 01:19:19 2021
Response via : Initial Calibration

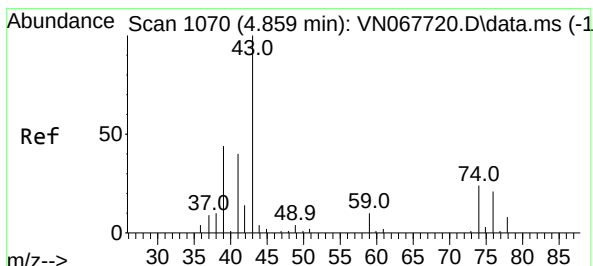
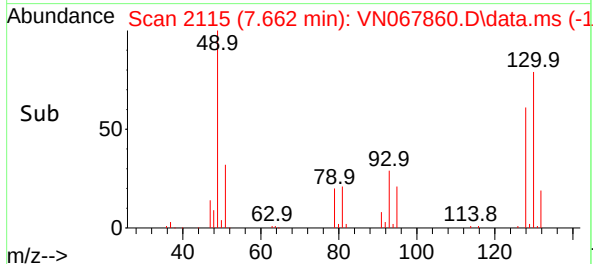
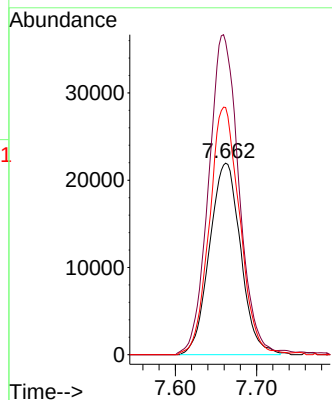
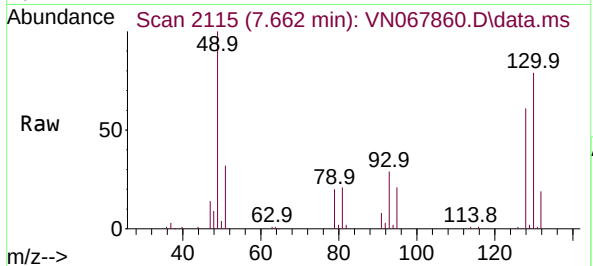




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

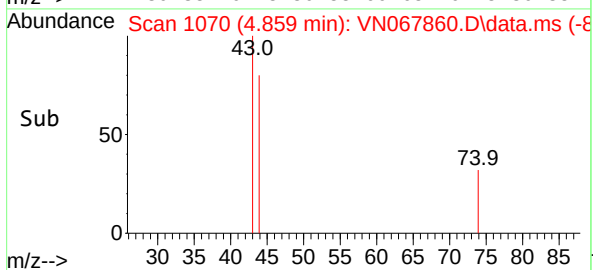
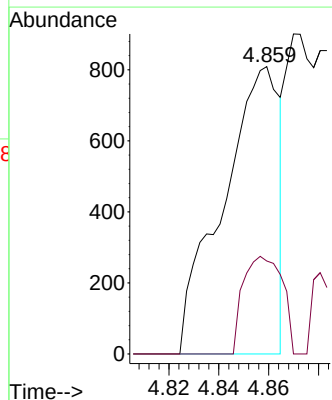
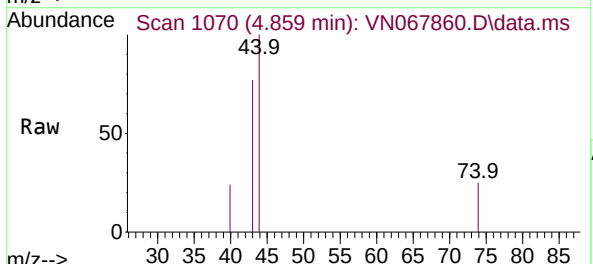
Instrument :
MSVOA_N
ClientSampled :

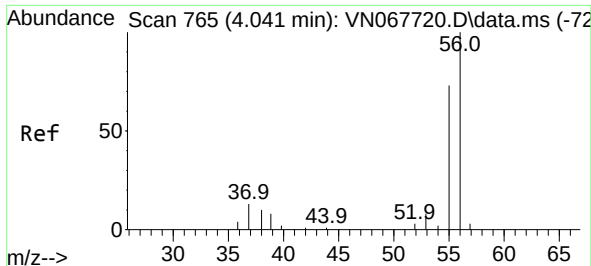
Tgt Ion:128 Resp: 58424
Ion Ratio Lower Upper
128 100
49 162.1 0.0 433.0
130 125.1 0.0 323.8



#12
Methyl Acetate
Concen: 0.329 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

Tgt Ion: 43 Resp: 1272
Ion Ratio Lower Upper
43 100
74 33.5 19.8 29.6#

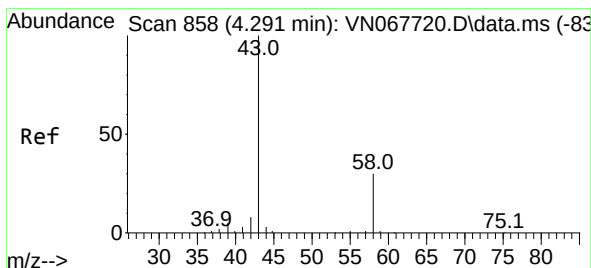
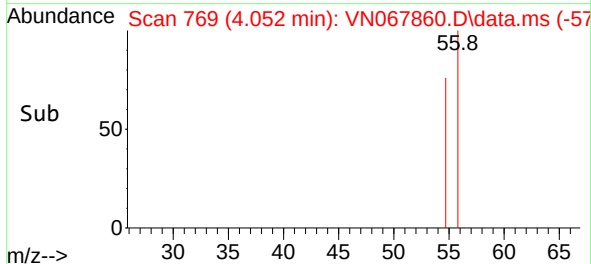
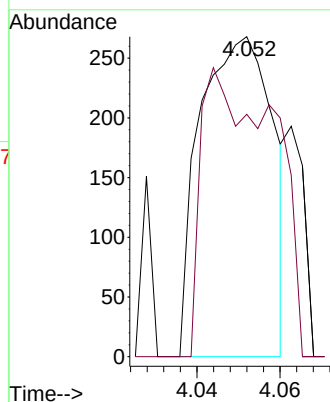
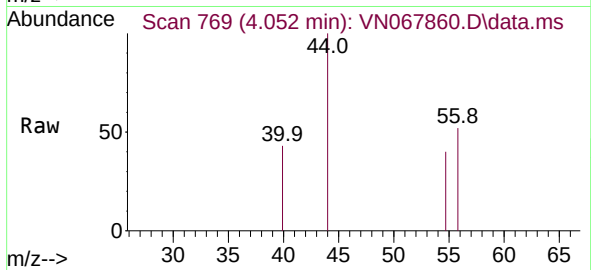




#13
Acrolein
Concen: 0.805 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.011 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

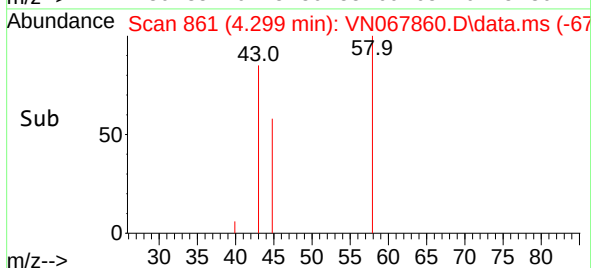
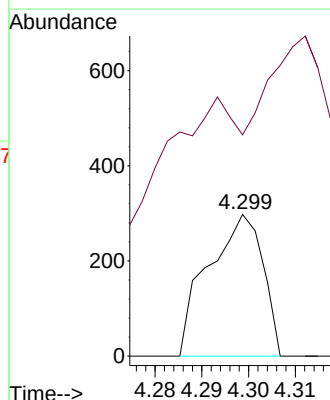
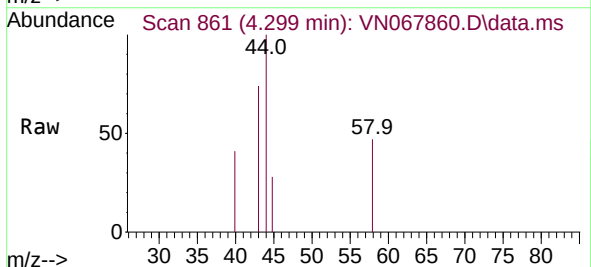
Instrument :
MSVOA_N
ClientSampled :

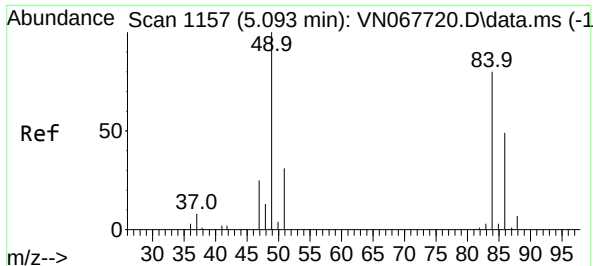
Tgt Ion: 56 Resp: 326
Ion Ratio Lower Upper
56 100
55 62.0 0.2 0.2#



#15
Acetone
Concen: 0.574 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

Tgt Ion: 58 Resp: 242
Ion Ratio Lower Upper
58 100
43 0.0 268.2 402.4#





#18

Methylene Chloride

Concen: 0.740 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.003 min

Lab File: VN067860.D

Acq: 22 Jul 2021 14:14

Tgt Ion: 84 Resp: 2903

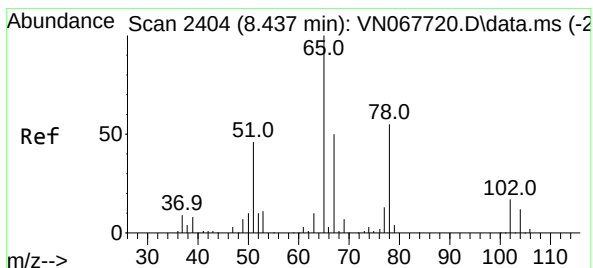
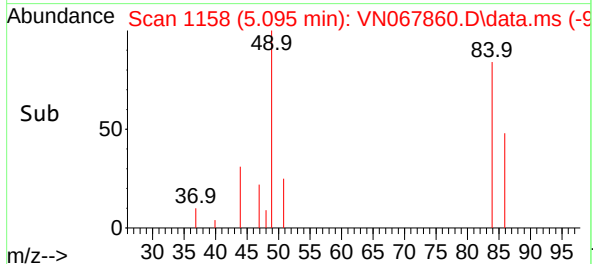
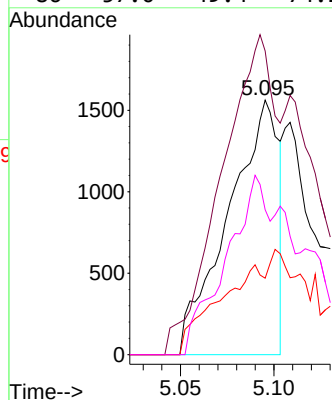
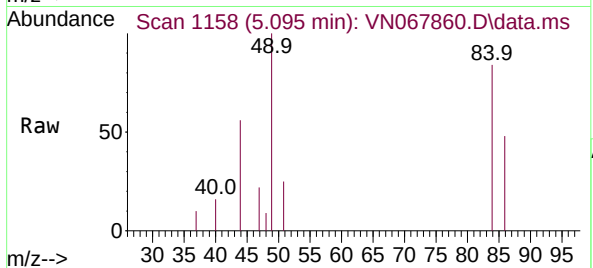
Ion Ratio Lower Upper

84 100

49 106.7 100.5 150.7

51 30.0 30.7 46.1#

86 57.0 49.4 74.2



#27

1,2-Dichloroethane-d4

Concen: 32.682 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VN067860.D

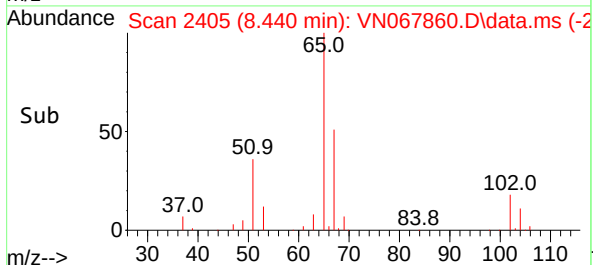
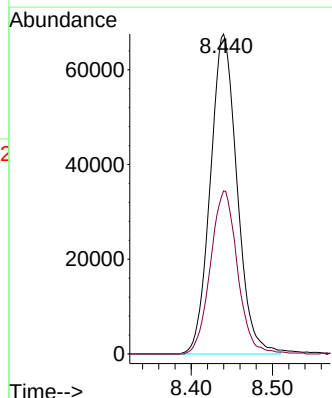
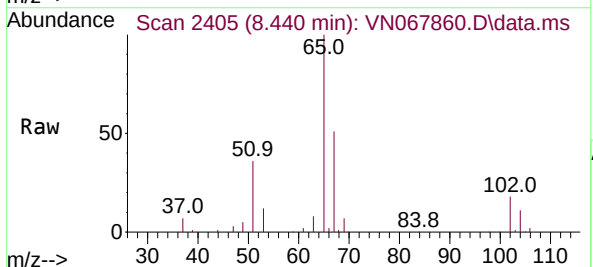
Acq: 22 Jul 2021 14:14

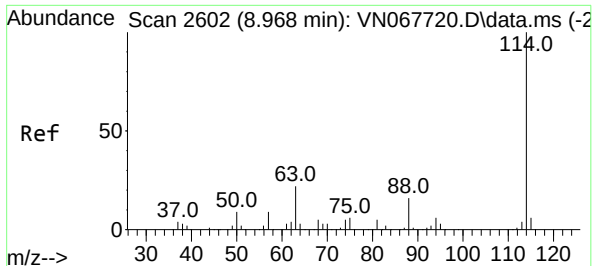
Tgt Ion: 65 Resp: 154261

Ion Ratio Lower Upper

65 100

67 51.5 40.6 60.8

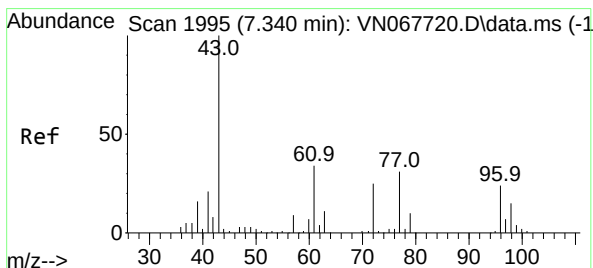
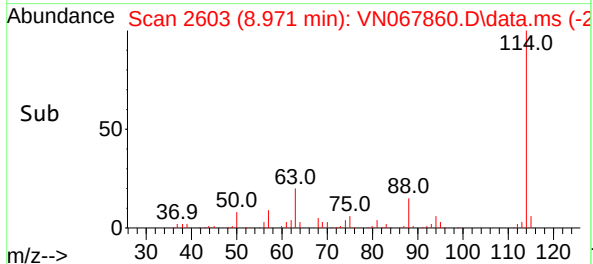
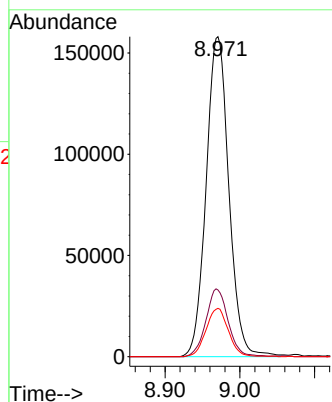
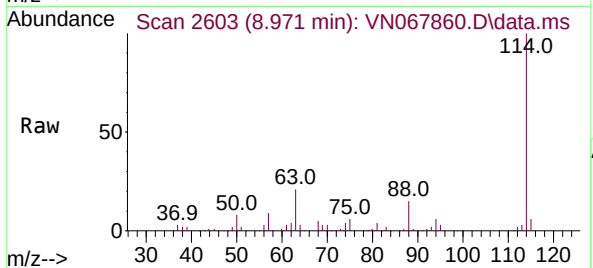




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

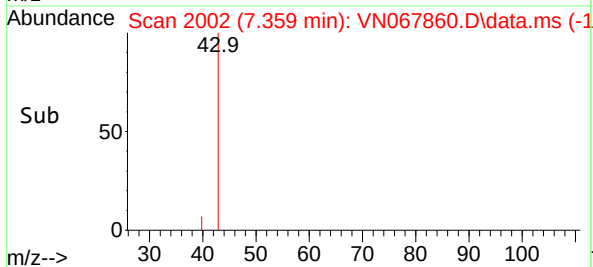
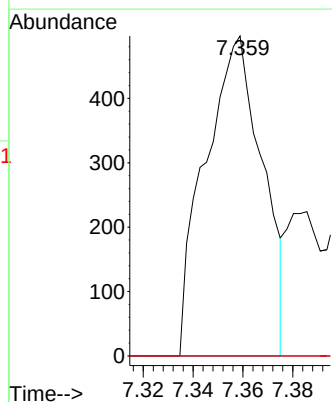
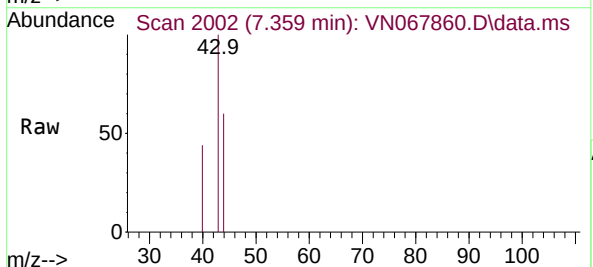
Instrument :
MSVOA_N
ClientSampleId :

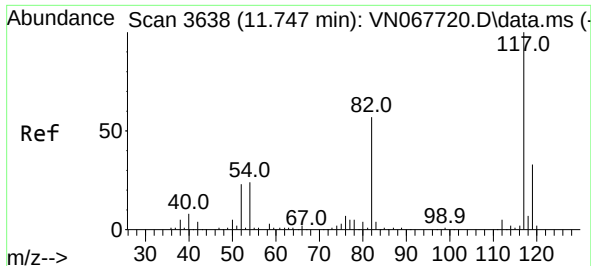
Tgt Ion:114 Resp: 334241
Ion Ratio Lower Upper
114 100
63 20.7 17.2 25.8
88 14.8 12.4 18.6



#30
2-Butanone
Concen: 0.327 ug/l
RT: 7.359 min Scan# 2002
Delta R.T. 0.019 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

Tgt Ion: 43 Resp: 794
Ion Ratio Lower Upper
43 100
57 0.0 6.6 9.8#
72 0.0 21.8 32.6#

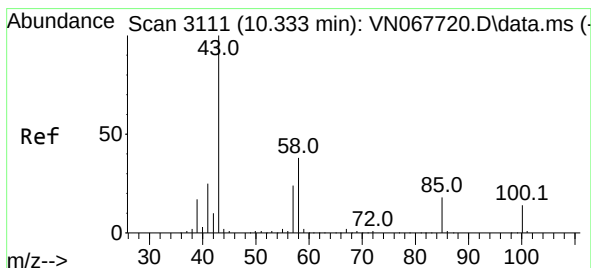
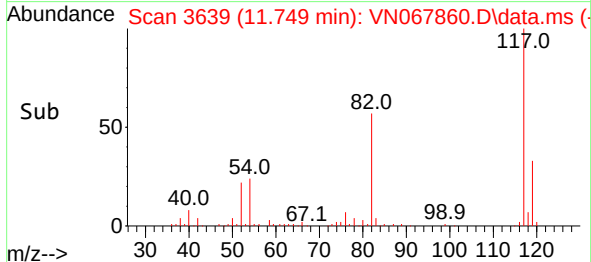
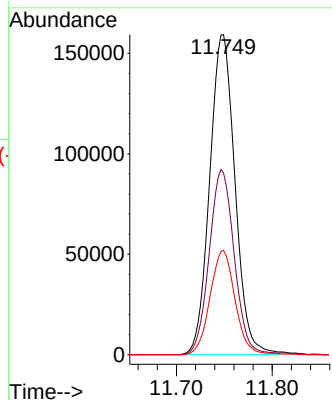
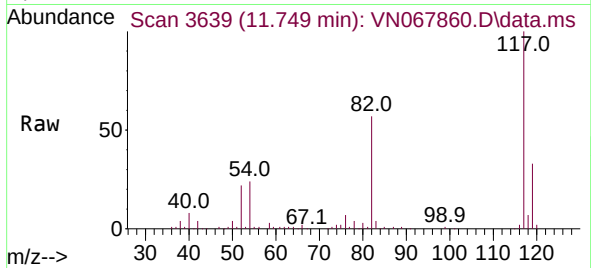




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

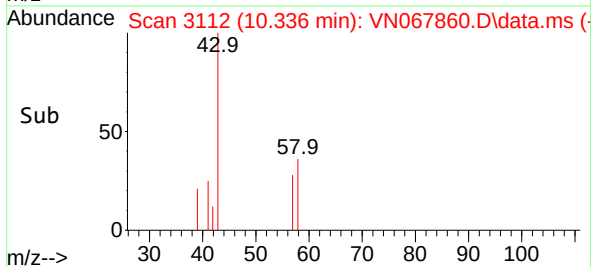
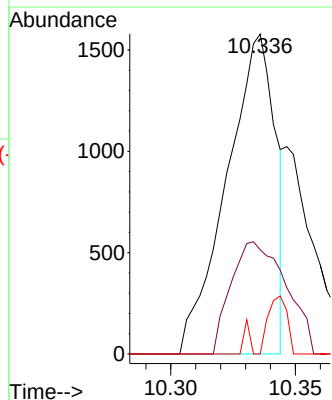
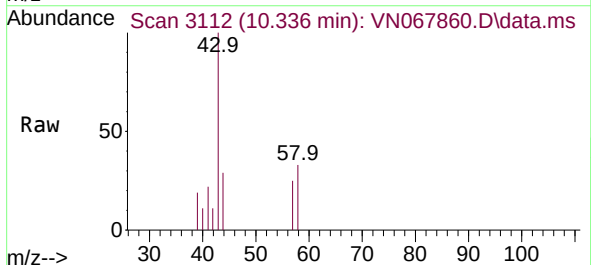
Instrument :
MSVOA_N
ClientSampled :

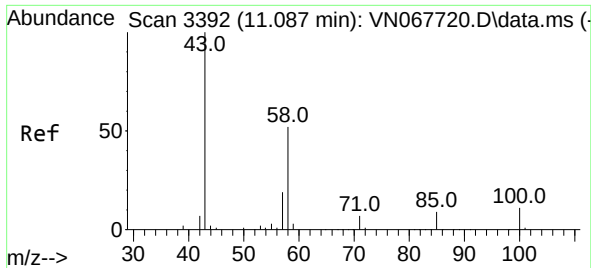
Tgt Ion:117 Resp: 292423
Ion Ratio Lower Upper
117 100
82 57.2 45.4 68.0
119 32.3 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 0.428 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

Tgt Ion: 43 Resp: 2147
Ion Ratio Lower Upper
43 100
58 39.7 29.9 44.9
85 7.0 14.1 21.1#

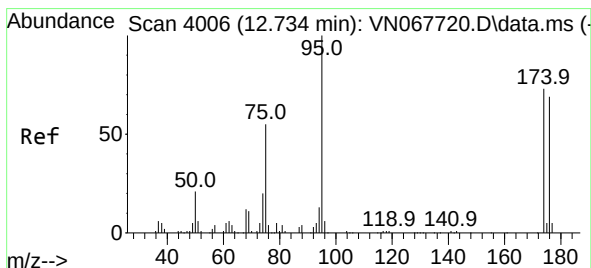
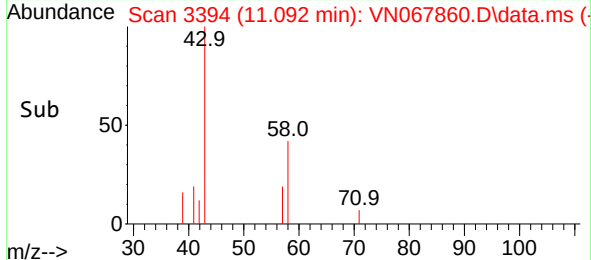
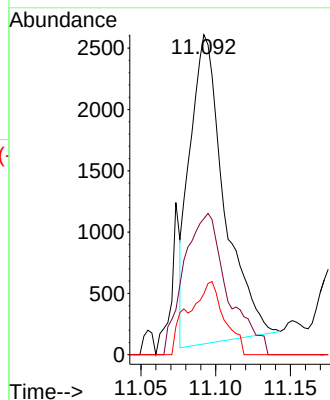
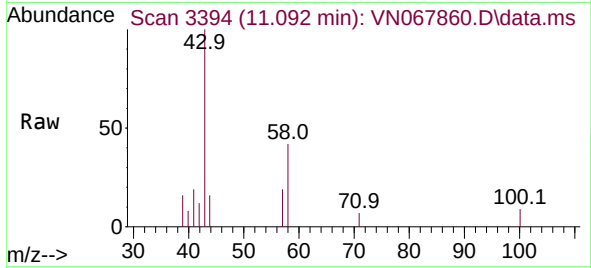




#59
2-Hexanone
Concen: 1.139 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

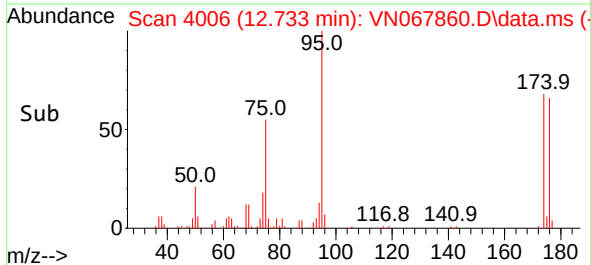
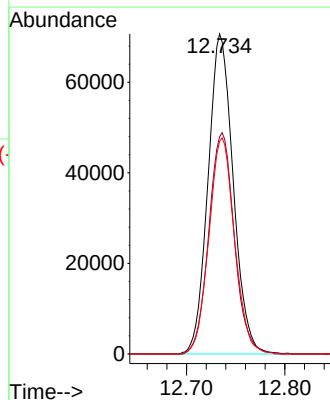
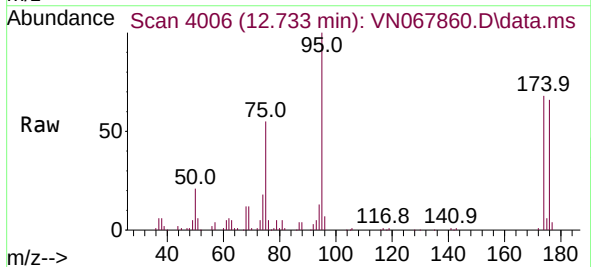
Instrument :
MSVOA_N
ClientSampled :

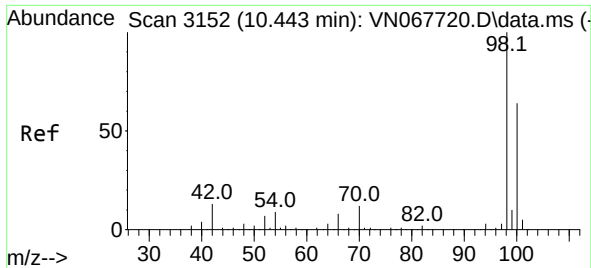
Tgt Ion: 43 Resp: 4011
Ion Ratio Lower Upper
43 100
58 50.3 41.5 62.3
57 19.4 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 26.526 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

Tgt Ion: 95 Resp: 125972
Ion Ratio Lower Upper
95 100
174 70.0 57.1 85.7
176 68.5 54.6 81.8

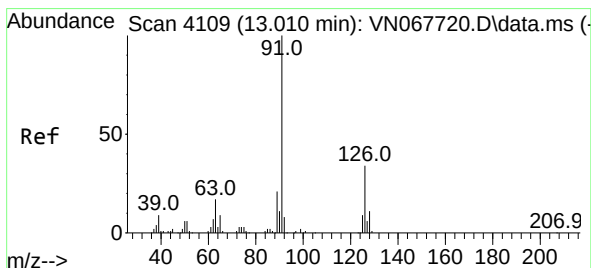
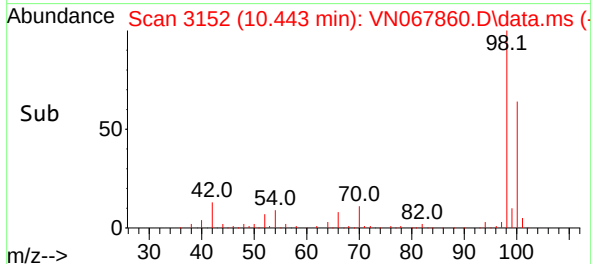
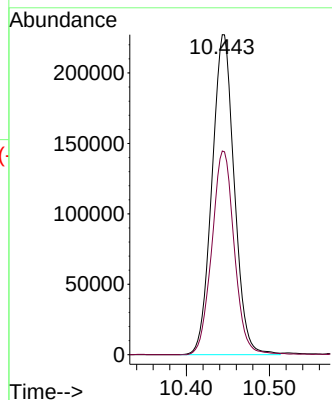
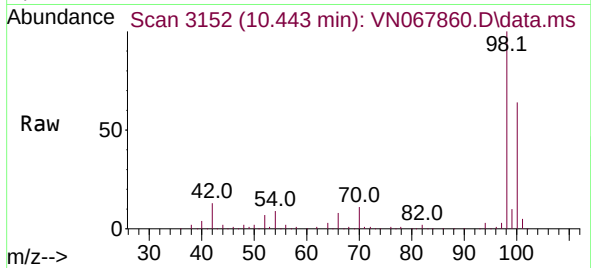




#63
Toluene-d8
Concen: 31.514 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

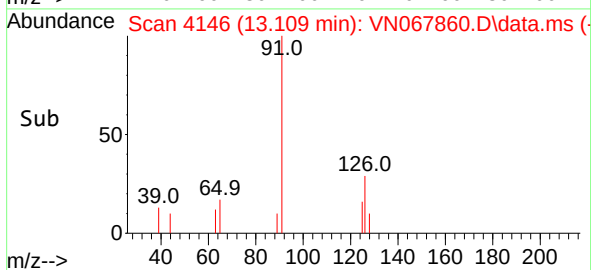
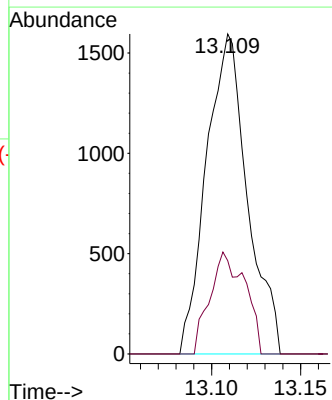
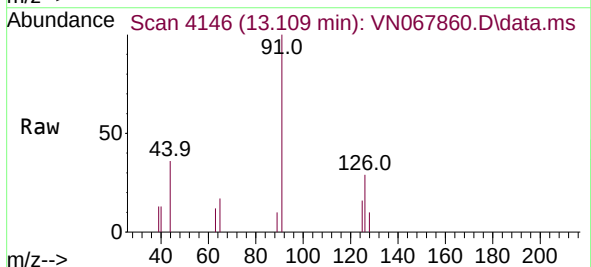
Instrument :
MSVOA_N
ClientSampled :

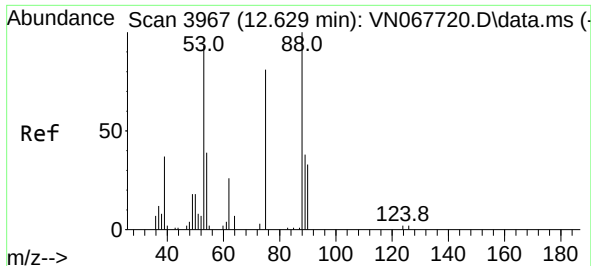
Tgt Ion: 98 Resp: 423859
Ion Ratio Lower Upper
98 100
100 63.9 51.0 76.4



#75
2-Chlorotoluene
Concen: 0.200 ug/l
RT: 13.109 min Scan# 4146
Delta R.T. 0.099 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

Tgt Ion: 91 Resp: 2547
Ion Ratio Lower Upper
91 100
126 17.4 0.0 66.2

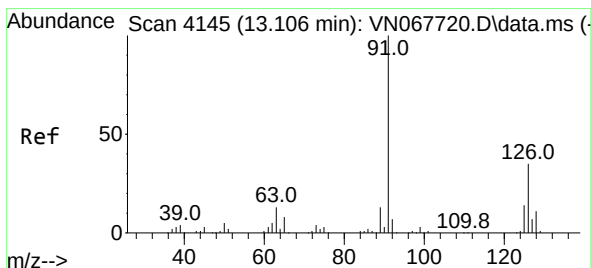
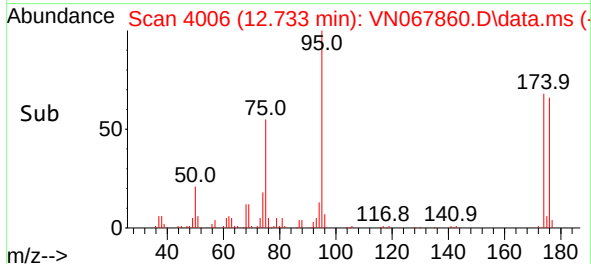
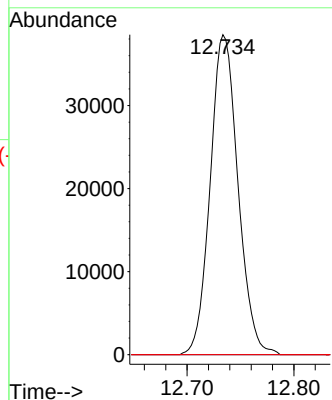
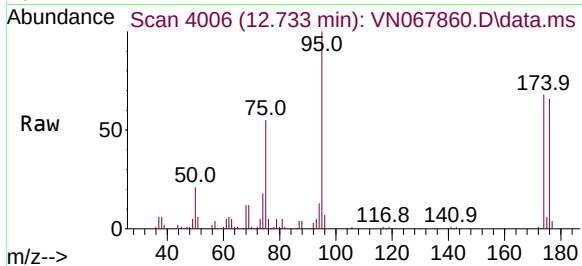




#77
t-1,4-Dichloro-2-butene
Concen: 47.279 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

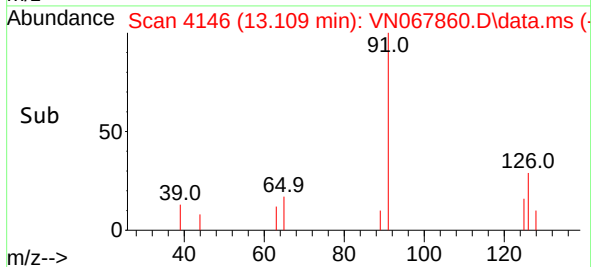
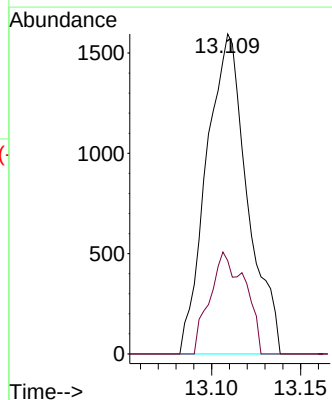
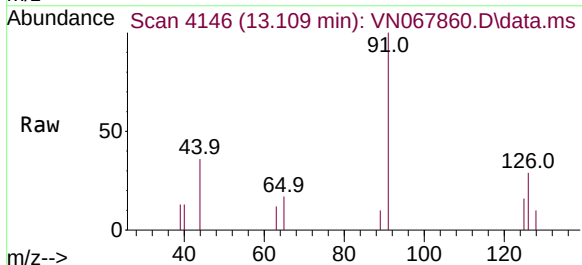
Instrument :
MSVOA_N
ClientSampled :

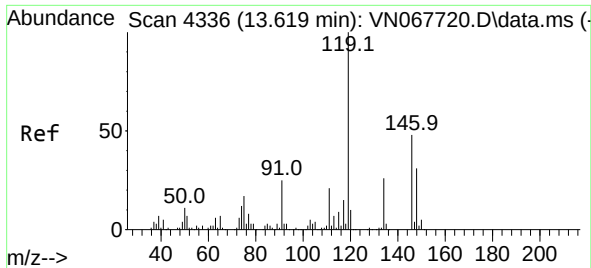
Tgt Ion: 75 Resp: 69648
Ion Ratio Lower Upper
75 100
53 0.0 57.0 171.0#
89 0.0 24.7 74.1#



#78
4-Chlorotoluene
Concen: 0.201 ug/l
RT: 13.109 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

Tgt Ion: 91 Resp: 2547
Ion Ratio Lower Upper
91 100
126 17.4 0.0 66.4

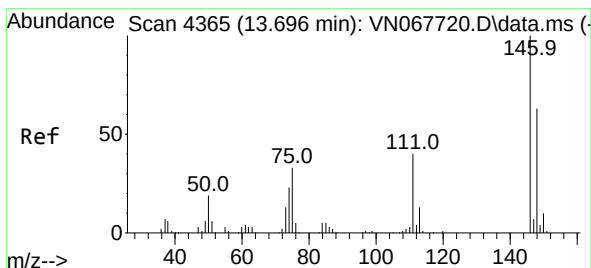
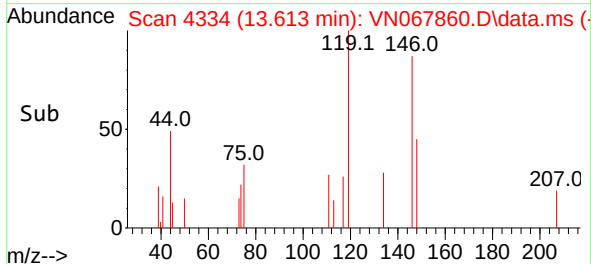
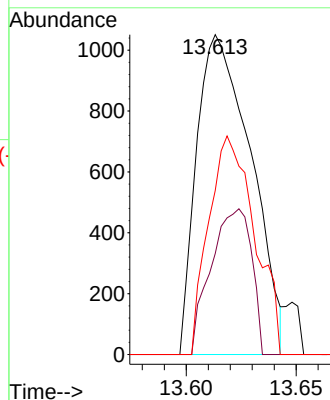
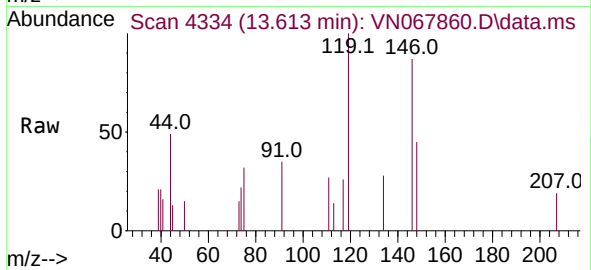




#83
1,3-Dichlorobenzene
Concen: 0.227 ug/l
RT: 13.613 min Scan# 4334
Delta R.T. -0.005 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

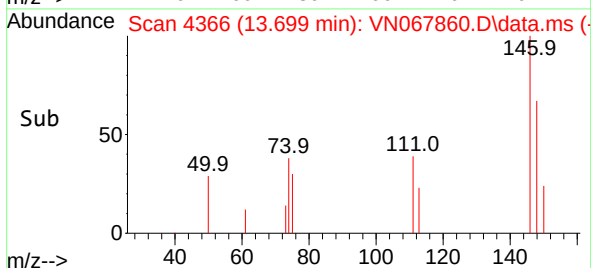
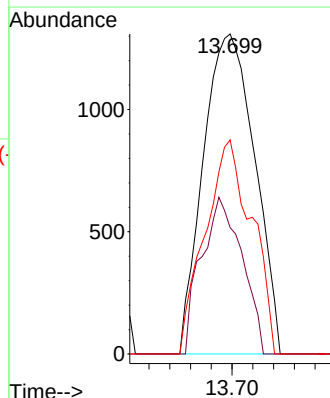
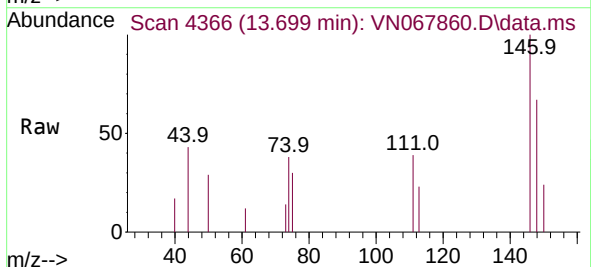
Instrument :
MSVOA_N
ClientSampleId :

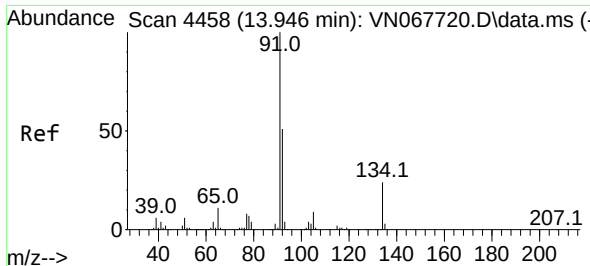
Tgt Ion:146 Resp: 1804
Ion Ratio Lower Upper
146 100
111 34.1 21.1 63.1
148 57.6 31.9 95.7



#84
1,4-Dichlorobenzene
Concen: 0.292 ug/l
RT: 13.699 min Scan# 4366
Delta R.T. 0.003 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

Tgt Ion:146 Resp: 2255
Ion Ratio Lower Upper
146 100
111 38.7 20.0 59.9
148 48.8 31.8 95.3

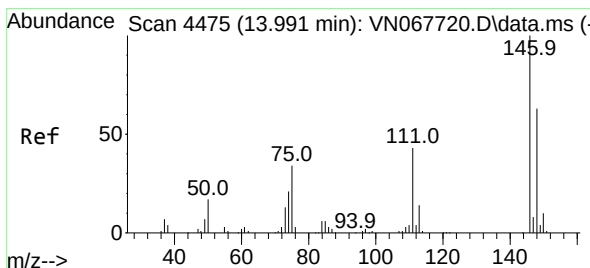
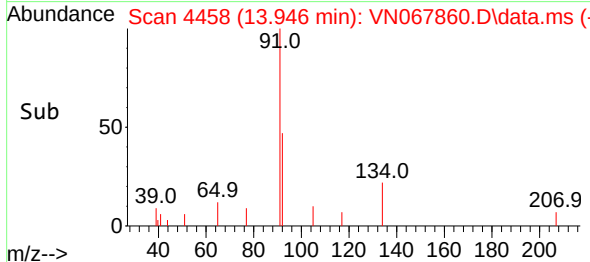
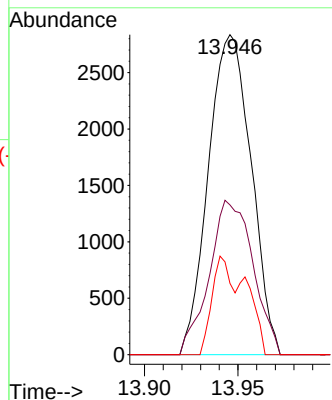
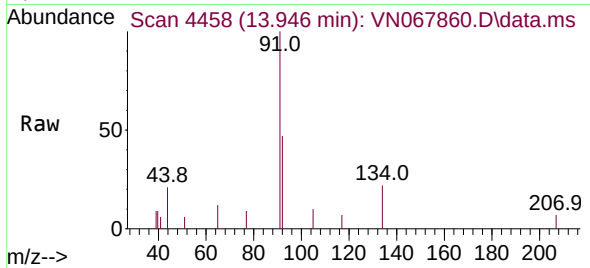




#85
n-Butylbenzene
Concen: 0.361 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

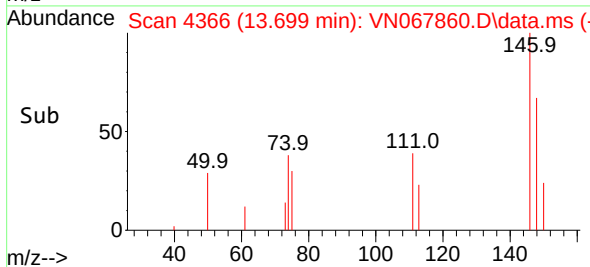
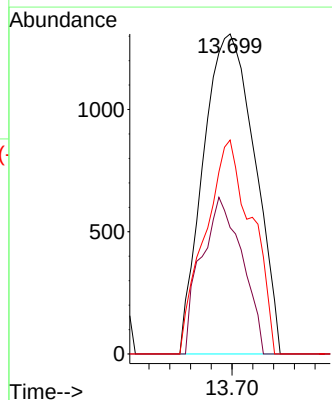
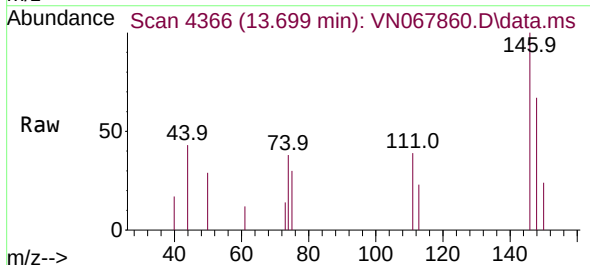
Instrument :
MSVOA_N
ClientSampleId :

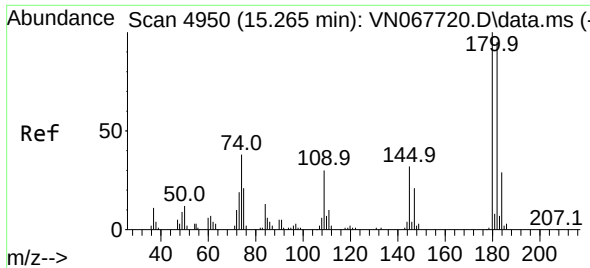
Tgt Ion: 91	Resp: 4521
Ion Ratio	Lower Upper
91 100	
92 49.3	0.0 102.6
134 14.7	0.0 48.6



#87
1,2-Dichlorobenzene
Concen: 0.298 ug/l
RT: 13.699 min Scan# 4366
Delta R.T. -0.292 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

Tgt Ion: 146	Resp: 2255
Ion Ratio	Lower Upper
146 100	
111 38.7	22.0 66.0
148 48.8	31.7 95.1

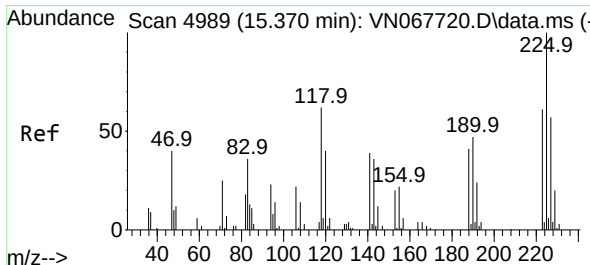
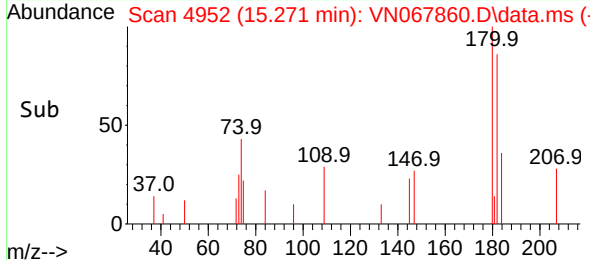
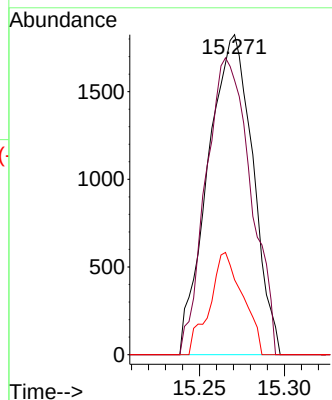
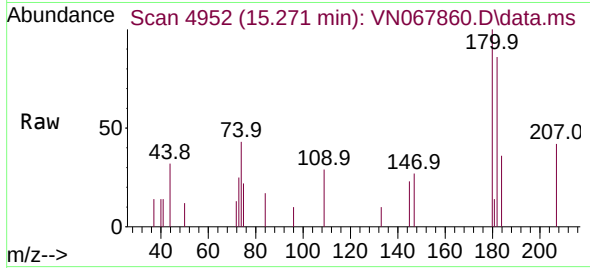




#89
1,2,4-Trichlorobenzene
Concen: 0.969 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.005 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

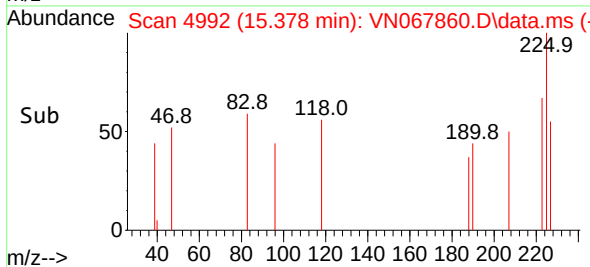
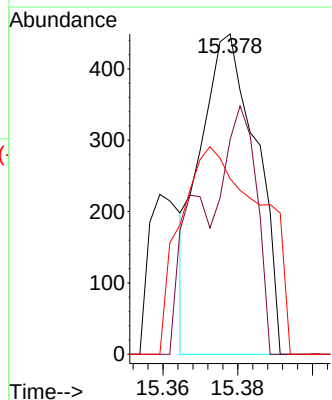
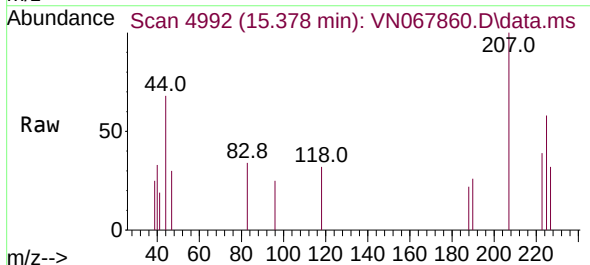
Instrument :
MSVOA_N
ClientSampled :

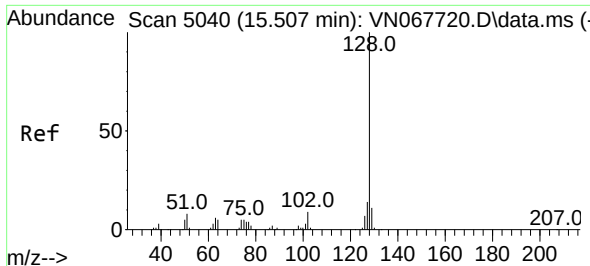
Tgt Ion:180 Resp: 3349
Ion Ratio Lower Upper
180 100
182 92.5 74.5 111.7
145 21.1 25.4 38.0#



#90
Hexachlorobutadiene
Concen: 0.284 ug/l
RT: 15.378 min Scan# 4992
Delta R.T. 0.008 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

Tgt Ion:225 Resp: 471
Ion Ratio Lower Upper
225 100
223 46.7 0.0 124.6
227 79.0 0.0 115.6

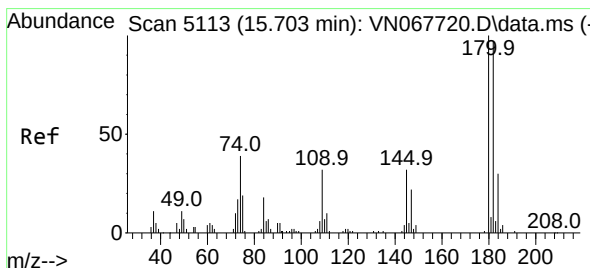
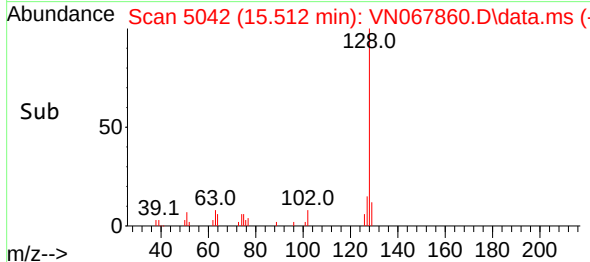
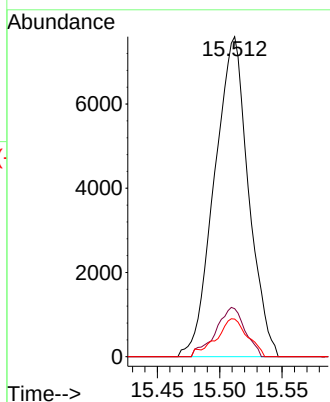
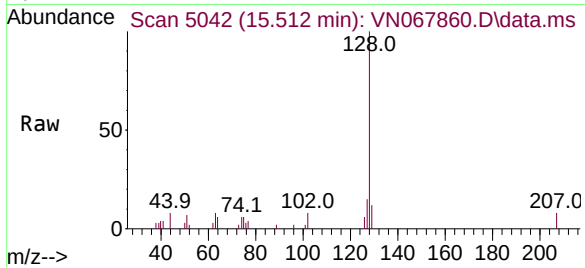




#91
Naphthalene
Concen: 1.469 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.9	16.3
129	10.3	8.7	13.1



#92
1,2,3-Trichlorobenzene
Concen: 1.245 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. -0.000 min
Lab File: VN067860.D
Acq: 22 Jul 2021 14:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	0.0	190.8
145	20.9	0.0	68.2

