

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051821\
 Data File : VN067128.D
 Acq On : 18 May 2021 15:39
 Operator : JC/MD
 Sample : M2388-12DL 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 19 02:50:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 18 04:00:15 2021
 Response via : Initial Calibration

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

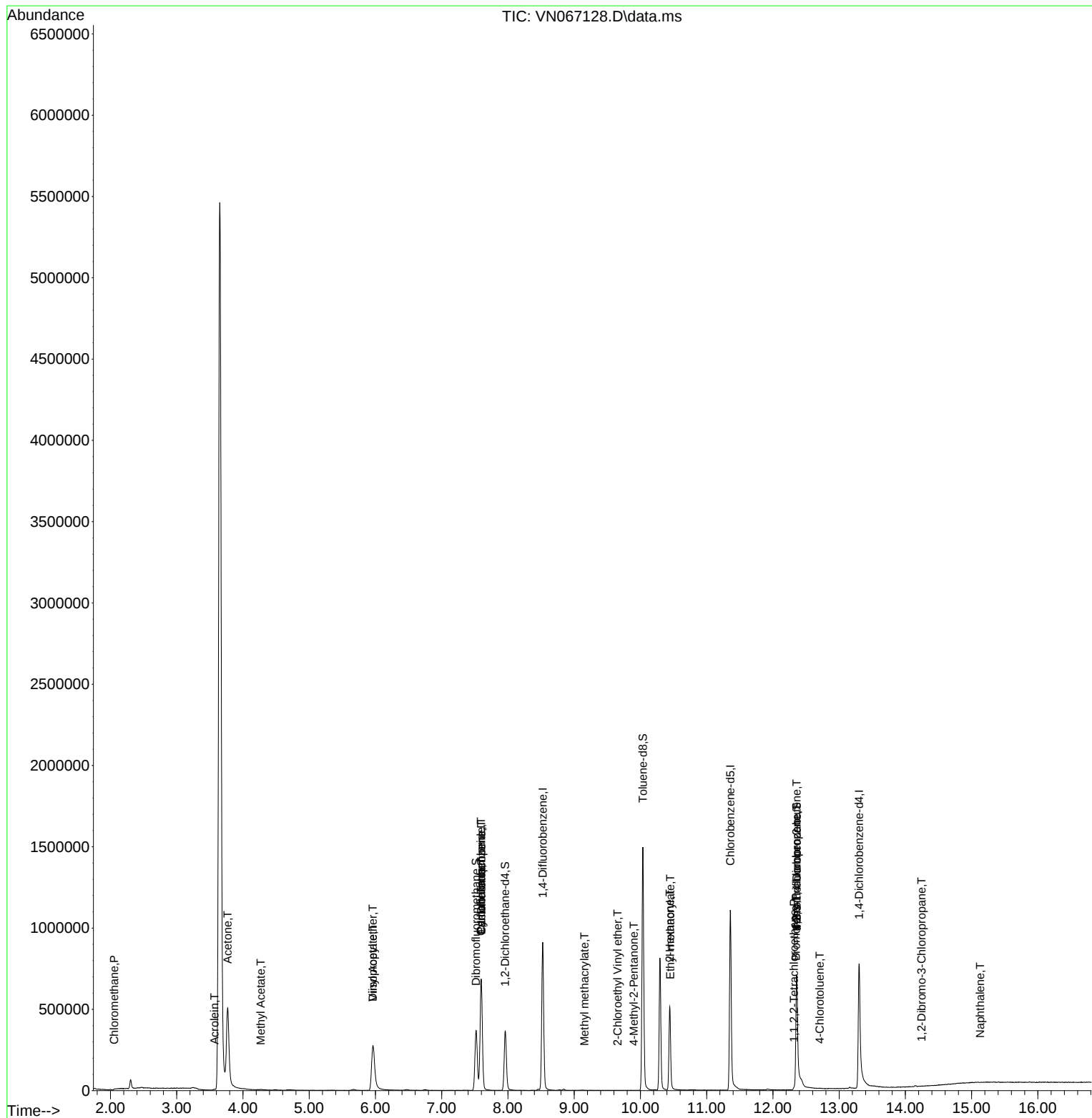
Internal Standards						
1) Pentafluorobenzene	7.597	168	656344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	905403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.357	117	773960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.302	152	330688	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	322244	45.45	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.90%		
35) Dibromofluoromethane	7.519	113	294101	49.47	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.94%		
50) Toluene-d8	10.038	98	1124930	49.92	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.84%		
62) 4-Bromofluorobenzene	12.358	95	343880	45.56	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.12%		
Target Compounds						Qvalue
3) Chloromethane	2.053	50	1691	0.23	ug/l	90
13) Acrolein	3.569	56	4242	4.20	ug/l #	16
16) Acetone	3.770	43	791269	359.05	ug/l #	87
18) Methyl Acetate	4.266	43	1493	0.23	ug/l #	21
22) Diisopropyl ether	5.961	45	25916	1.48	ug/l #	1
23) Vinyl Acetate	5.961	43	55530	3.62	ug/l #	69
31) Cyclohexane	7.597	56	9326	0.95	ug/l #	1
36) 1,1-Dichloropropene	7.597	75	37060	4.49	ug/l #	42
38) Carbon Tetrachloride	7.594	117	52986	6.03	ug/l #	15
48) Methyl methacrylate	9.155	41	36	1.95	ug/l #	1
51) 4-Methyl-2-Pentanone	9.901	43	236	5.43	ug/l #	33
56) Ethyl methacrylate	10.451	69	625	2.00	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.654	63	50	4.59	ug/l #	45
59) 2-Hexanone	10.443	43	35125	28.74	ug/l	96
71) Bromoform	12.349	173	483	1.84	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.320	83	10668	1.27	ug/l #	32
76) 1,2,3-Trichloropropane	12.358	75	141679	20.30	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.358	75	141679	61.34	ug/l #	15
82) 4-Chlorotoluene	12.709	91	117	1.19	ug/l #	39
92) 1,2-Dibromo-3-Chloropr...	14.246	75	445	0.36	ug/l #	1
95) Naphthalene	15.128	128	1257	3.34	ug/l #	69

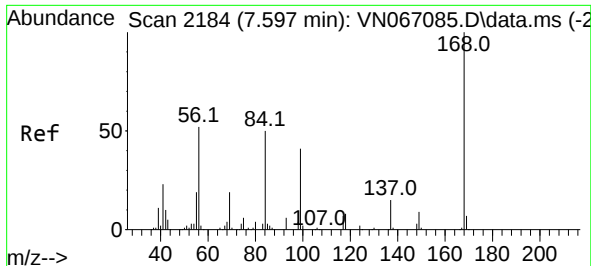
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051421W.M
Quant Title : SW846 8260
QLast Update : Tue May 18 04:00:15 2021
Response via : Initial Calibration

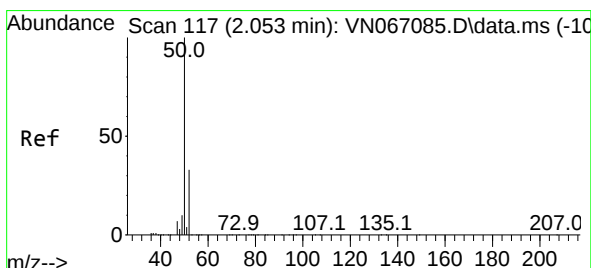
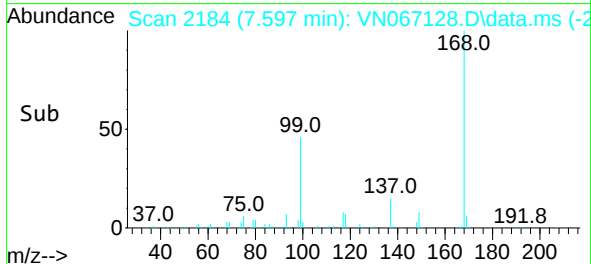
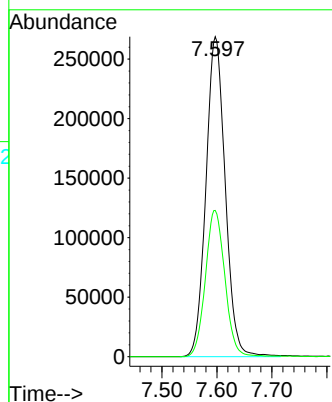
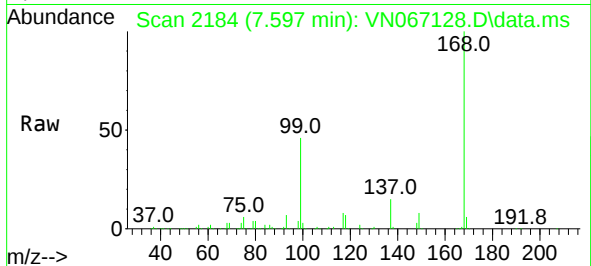




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

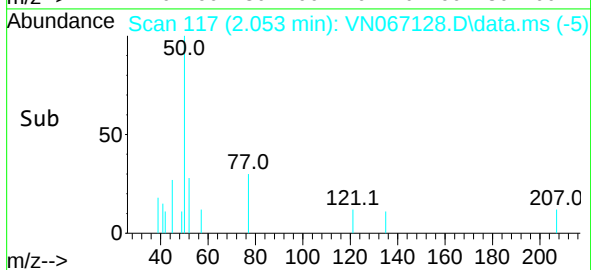
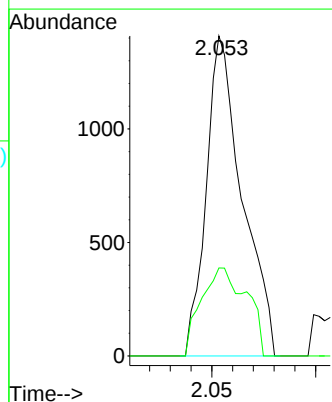
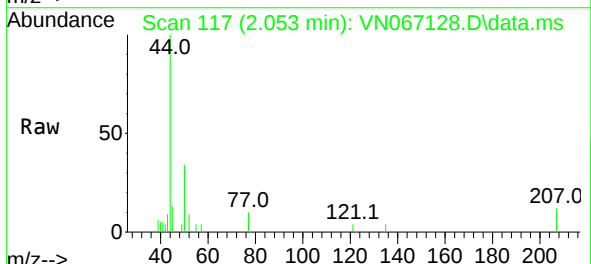
Instrument :
MSVOA_N
ClientSampled :

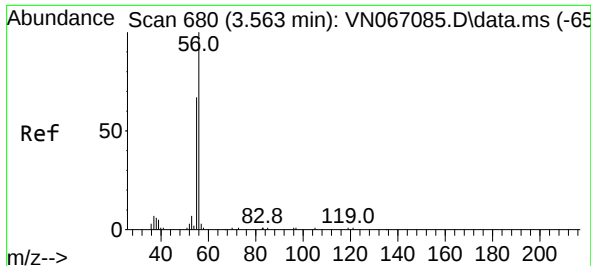
Tgt Ion:168 Resp: 656344
Ion Ratio Lower Upper
168 100
99 45.7 38.5 57.7



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.053 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

Tgt Ion: 50 Resp: 1691
Ion Ratio Lower Upper
50 100
52 27.5 26.5 39.7

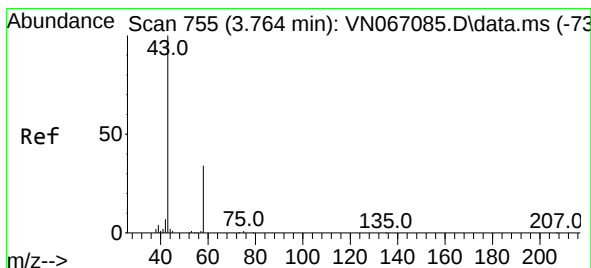
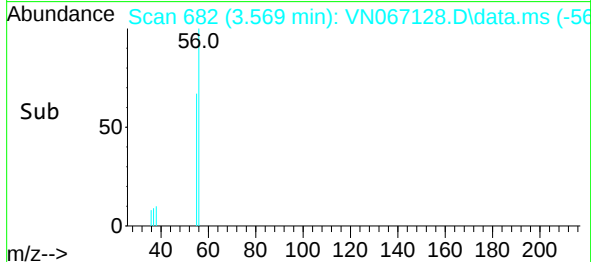
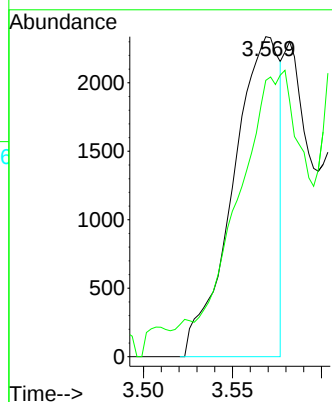
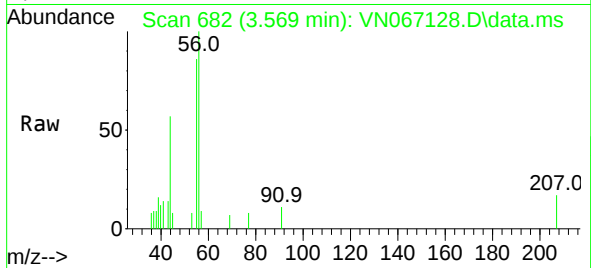




#13
Acrolein
Concen: 4.20 ug/l
RT: 3.569 min Scan# 682
Delta R.T. 0.006 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

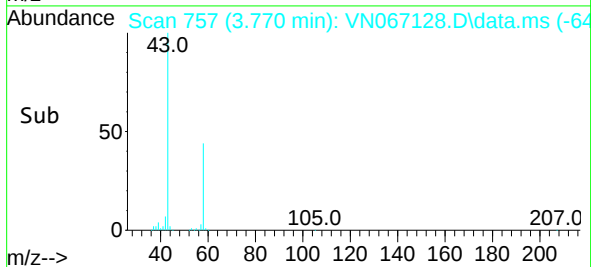
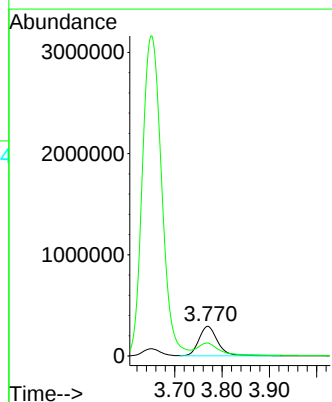
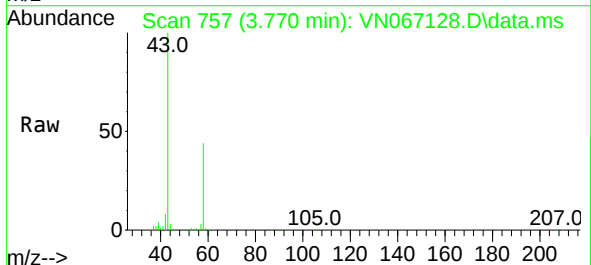
Instrument :
MSVOA_N
ClientSampled :

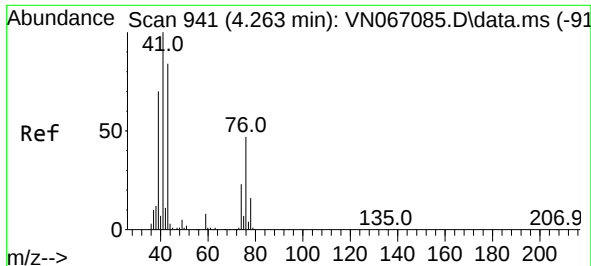
Tgt Ion: 56 Resp: 4242
Ion Ratio Lower Upper
56 100
55 0.0 53.8 80.6#



#16
Acetone
Concen: 359.05 ug/l
RT: 3.770 min Scan# 757
Delta R.T. 0.006 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

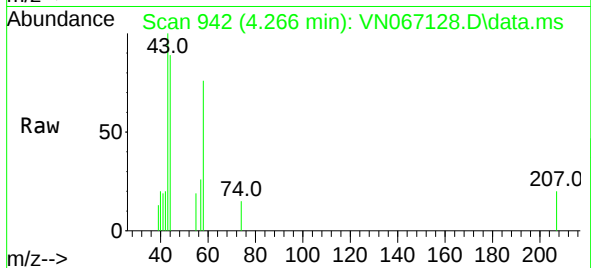
Tgt Ion: 43 Resp: 791269
Ion Ratio Lower Upper
43 100
58 41.3 27.2 40.8#



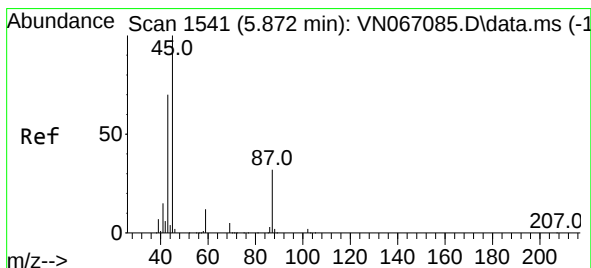
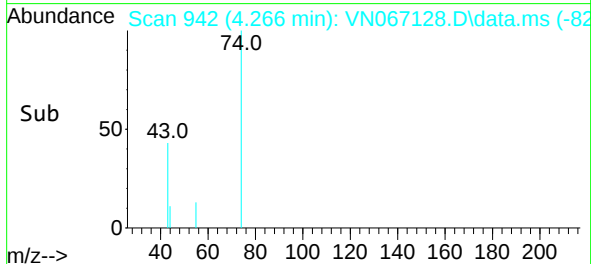
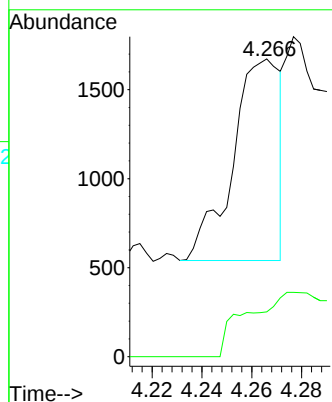


#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 4.266 min Scan# 942
Delta R.T. 0.003 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

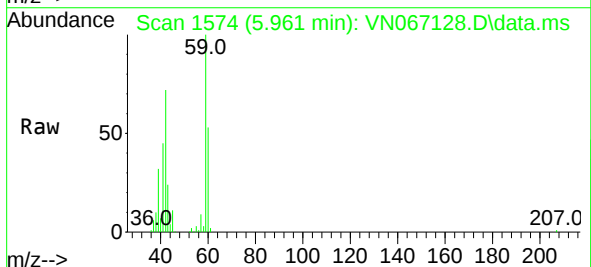
Instrument :
MSVOA_N
ClientSampled :



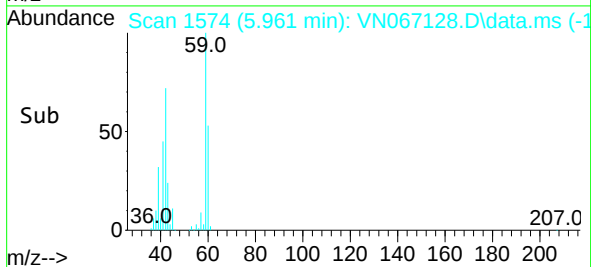
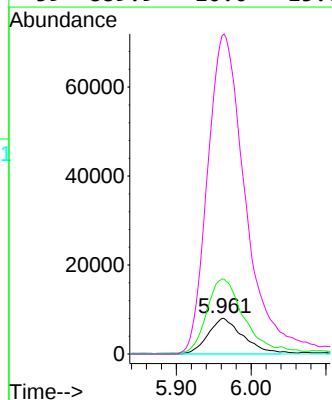
Tgt Ion: 43 Resp: 1493
Ion Ratio Lower Upper
43 100
74 67.5 21.4 32.2#

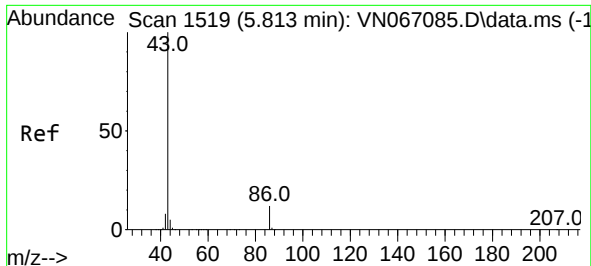


#22
Diisopropyl ether
Concen: 1.48 ug/l
RT: 5.961 min Scan# 1574
Delta R.T. 0.089 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39



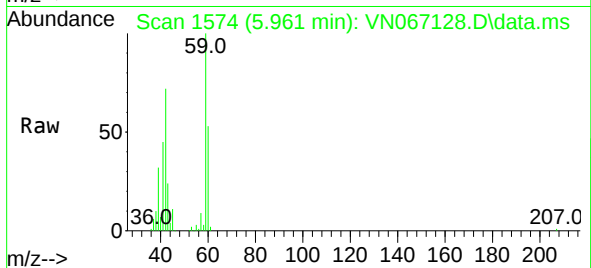
Tgt Ion: 45 Resp: 25916
Ion Ratio Lower Upper
45 100
43 207.1 55.6 83.4#
87 0.0 26.5 39.7#
59 889.9 10.0 15.0#



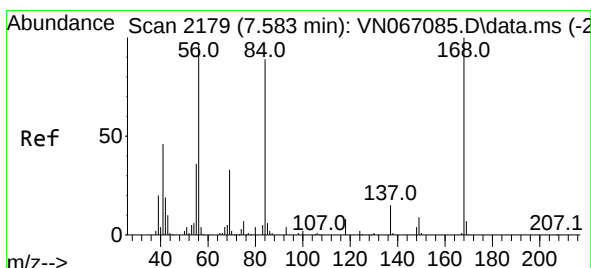
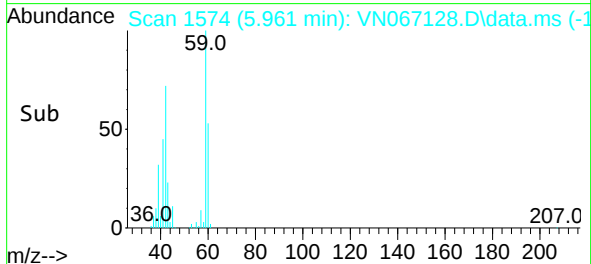
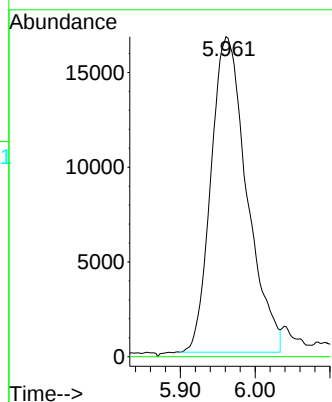


#23
 Vinyl Acetate
 Concen: 3.62 ug/l
 RT: 5.961 min Scan# 1574
 Delta R.T. 0.148 min
 Lab File: VN067128.D
 Acq: 18 May 2021 15:39

Instrument :
 MSVOA_N
 ClientSampled :

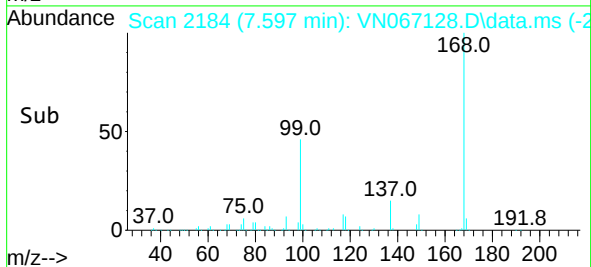
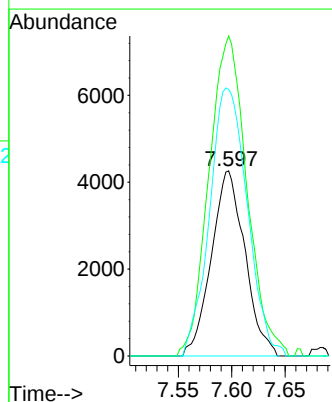
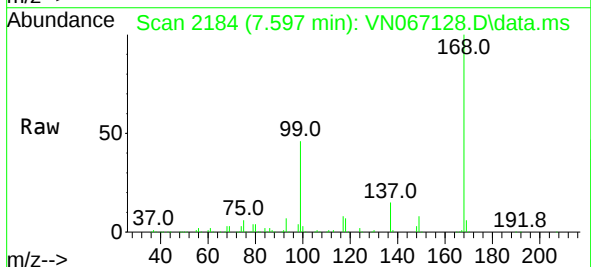


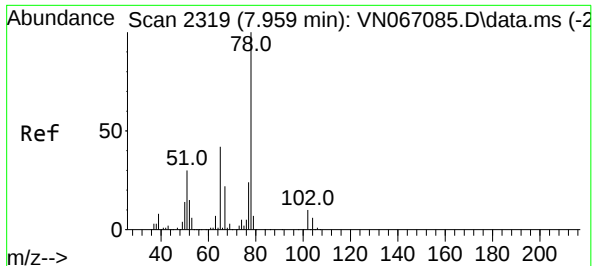
Tgt Ion: 43 Resp: 55530
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.5 14.3#



#31
 Cyclohexane
 Concen: 0.95 ug/l
 RT: 7.597 min Scan# 2184
 Delta R.T. 0.014 min
 Lab File: VN067128.D
 Acq: 18 May 2021 15:39

Tgt Ion: 56 Resp: 9326
 Ion Ratio Lower Upper
 56 100
 69 169.0 28.0 42.0#
 84 151.8 74.2 111.2#





#33

1,2-Dichloroethane-d4

Concen: 45.45 ug/l

RT: 7.959 min Scan# 2319

Delta R.T. 0.000 min

Lab File: VN067128.D

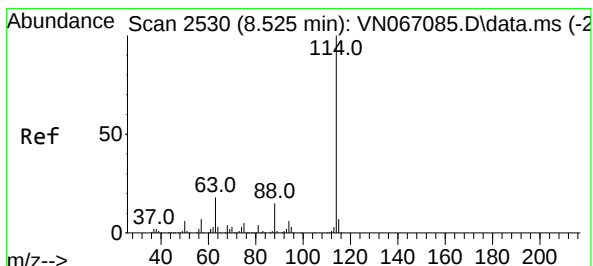
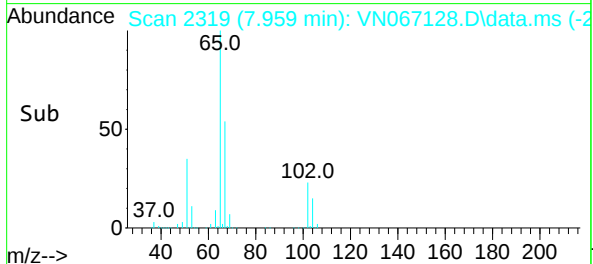
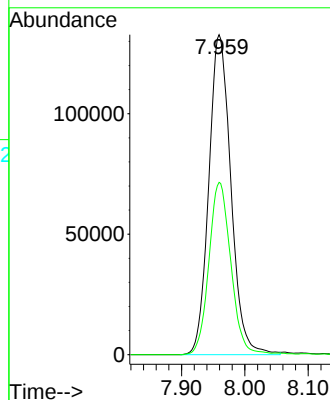
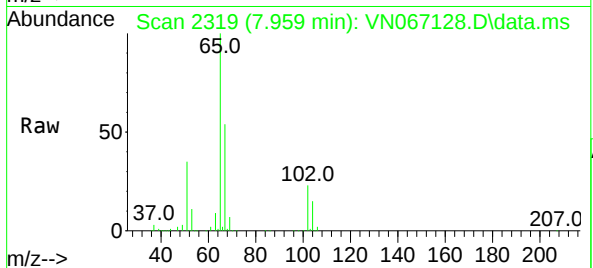
Acq: 18 May 2021 15:39

Tgt Ion: 65 Resp: 322244

Ion Ratio Lower Upper

65 100

67 53.3 0.0 110.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.525 min Scan# 2530

Delta R.T. 0.000 min

Lab File: VN067128.D

Acq: 18 May 2021 15:39

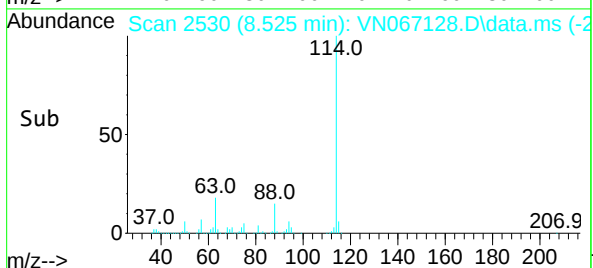
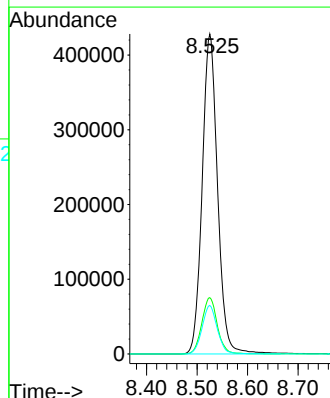
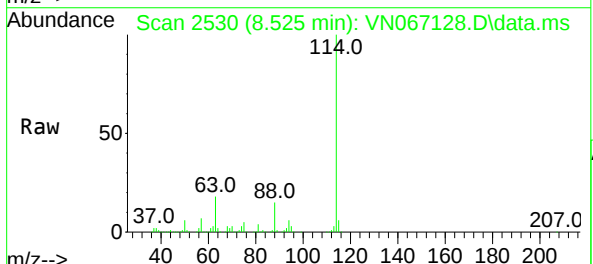
Tgt Ion: 114 Resp: 905403

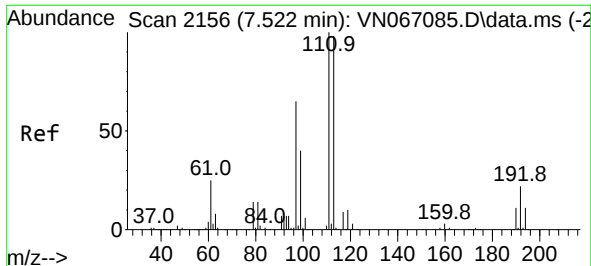
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.8

88 15.2 0.0 30.4

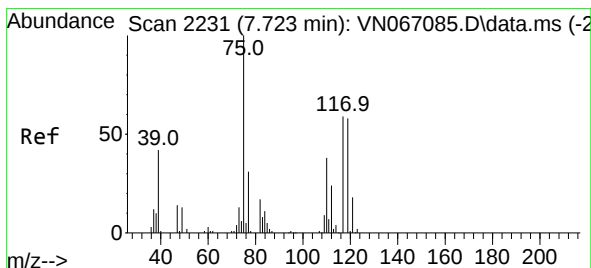
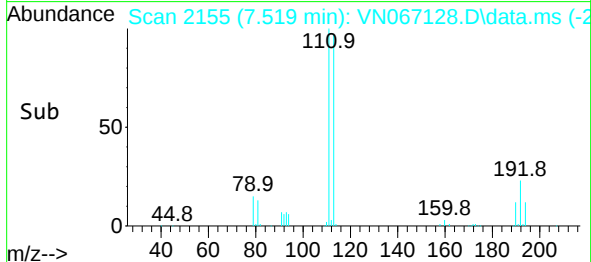
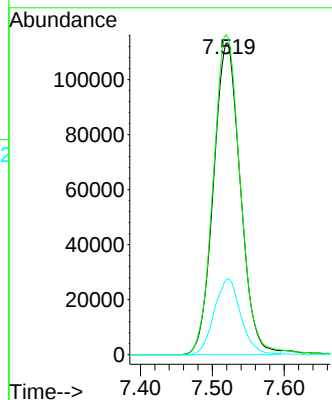
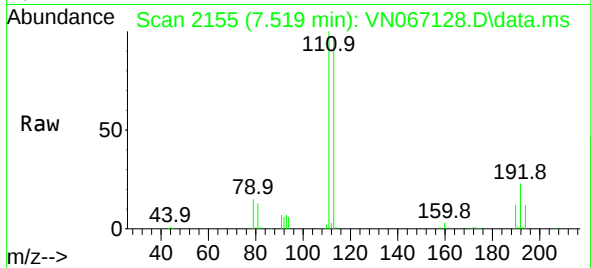




#35
Dibromofluoromethane
Concen: 49.47 ug/l
RT: 7.519 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

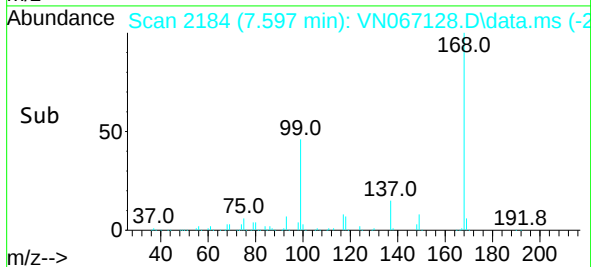
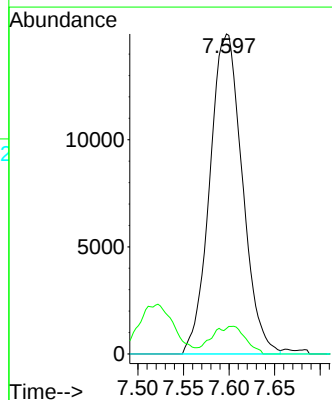
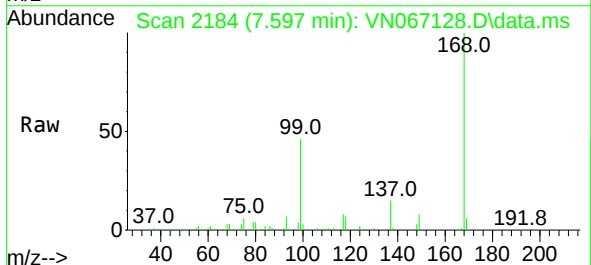
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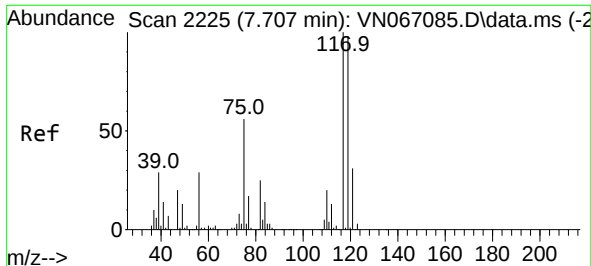
Tgt Ion:113 Resp: 294101
Ion Ratio Lower Upper
113 100
111 104.2 82.6 124.0
192 24.2 18.2 27.4



#36
1,1-Dichloropropene
Concen: 4.49 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.126 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

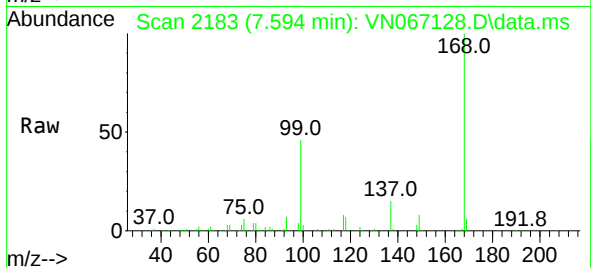
Tgt Ion: 75 Resp: 37060
Ion Ratio Lower Upper
75 100
110 2.4 19.1 57.3#
77 0.0 24.8 37.2#



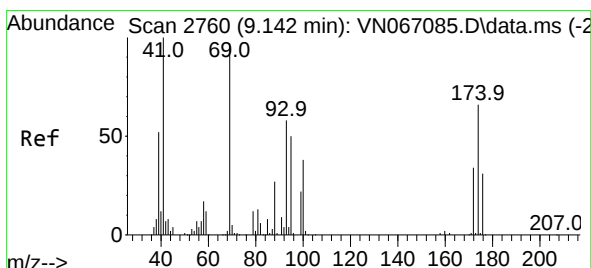
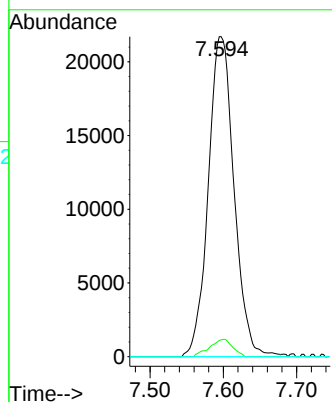
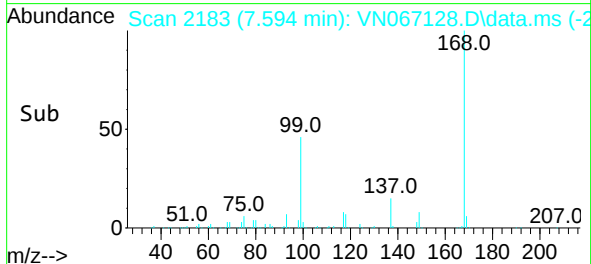


#38
Carbon Tetrachloride
Concen: 6.03 ug/l
RT: 7.594 min Scan# 2183
Delta R.T. -0.113 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

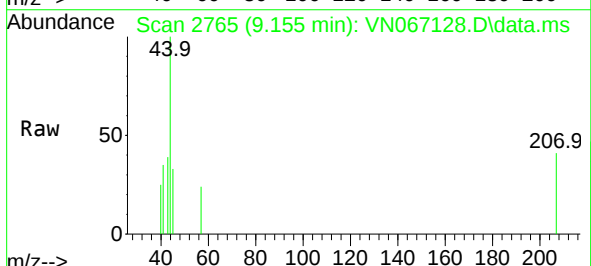
Instrument :
MSVOA_N
ClientSampleId :



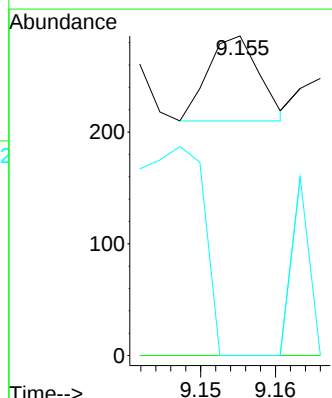
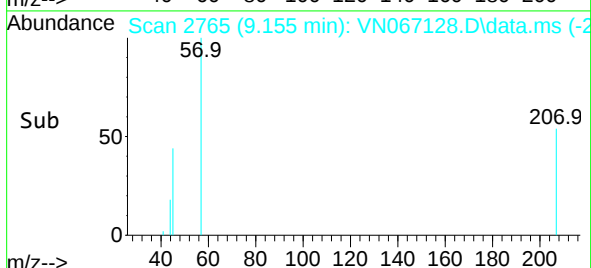
Tgt Ion: 117 Resp: 52986
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.7 37.1#

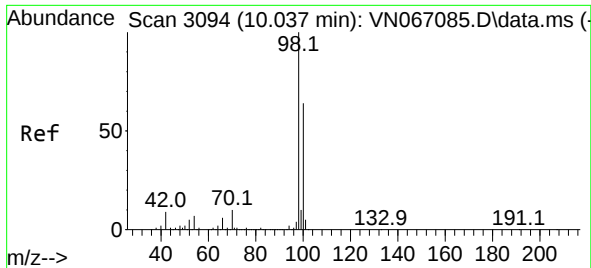


#48
Methyl methacrylate
Concen: 1.95 ug/l
RT: 9.155 min Scan# 2765
Delta R.T. 0.013 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39



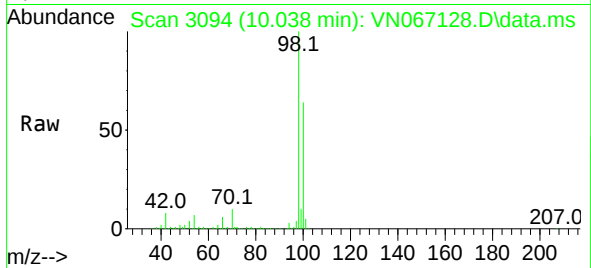
Tgt Ion: 41 Resp: 36
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 383.3 41.4 62.0#



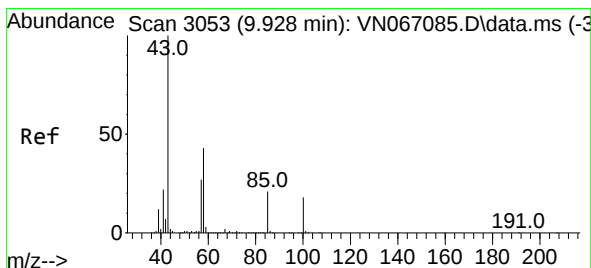
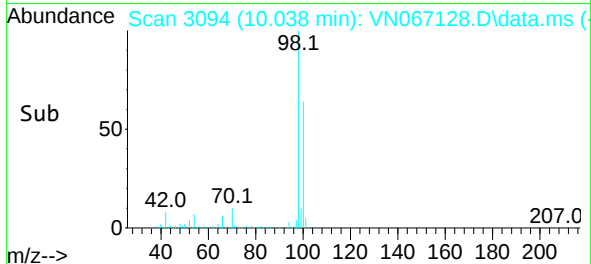
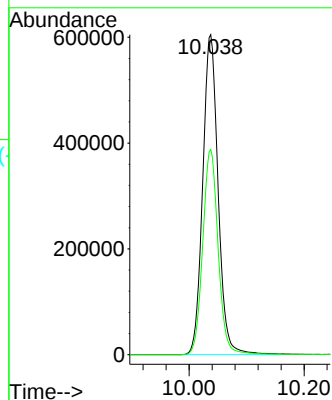


#50
Toluene-d8
Concen: 49.92 ug/l
RT: 10.038 min Scan# 3094
Delta R.T. 0.001 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

Instrument :
MSVOA_N
ClientSampled :

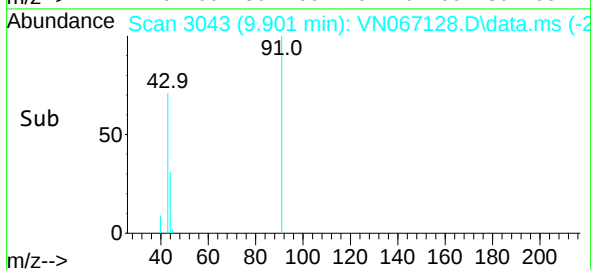
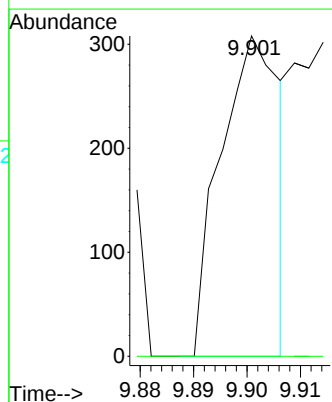
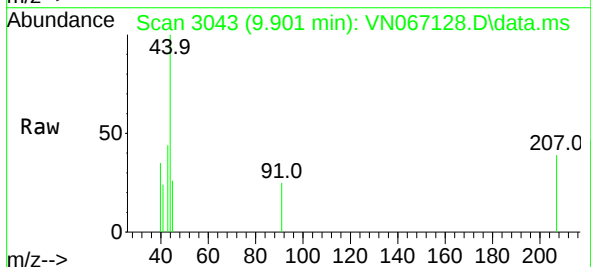


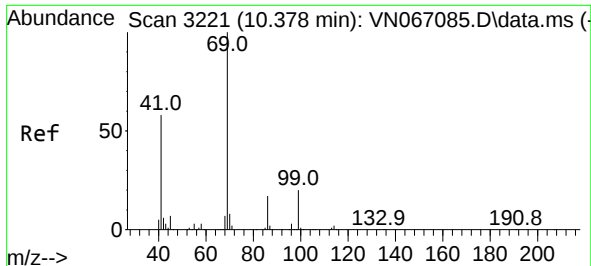
Tgt Ion: 98 Resp: 1124930
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 5.43 ug/l
RT: 9.901 min Scan# 3043
Delta R.T. -0.027 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

Tgt Ion: 43 Resp: 236
Ion Ratio Lower Upper
43 100
58 0.0 34.5 51.7#

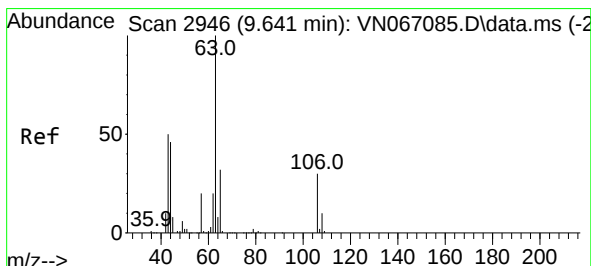
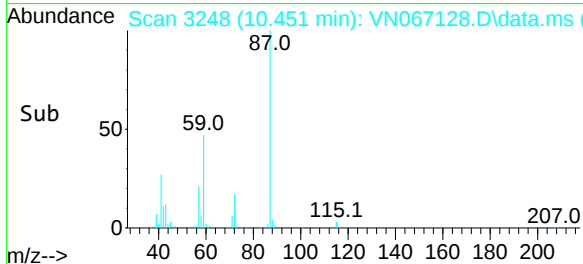
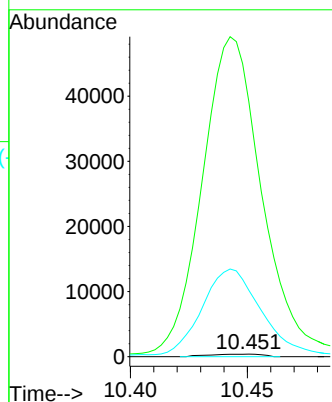
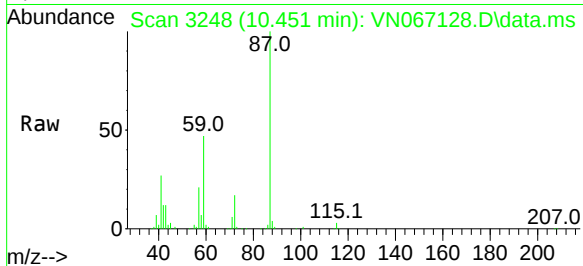




#56
Ethyl methacrylate
Concen: 2.00 ug/l
RT: 10.451 min Scan# 3248
Delta R.T. 0.073 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

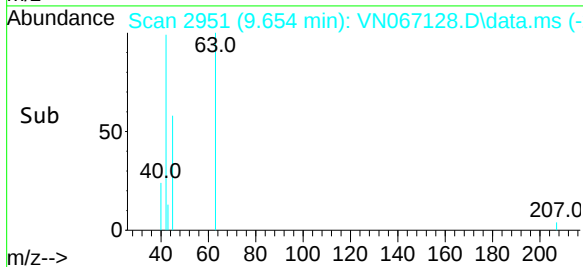
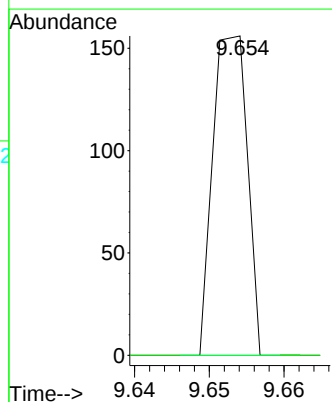
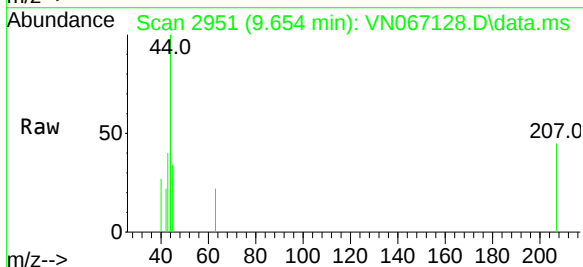
Instrument :
MSVOA_N
ClientSampled :

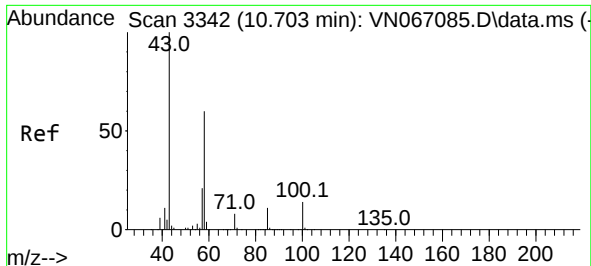
Tgt Ion: 69 Resp: 625
Ion Ratio Lower Upper
69 100
41 13911.8 45.5 68.3#
39 3748.0 22.9 34.3#



#58
2-Chloroethyl Vinyl ether
Concen: 4.59 ug/l
RT: 9.654 min Scan# 2951
Delta R.T. 0.013 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

Tgt Ion: 63 Resp: 50
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

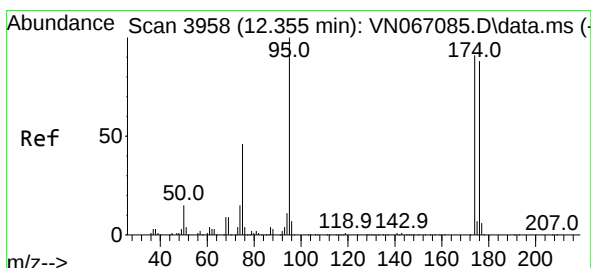
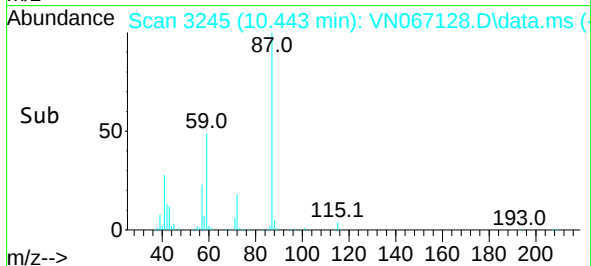
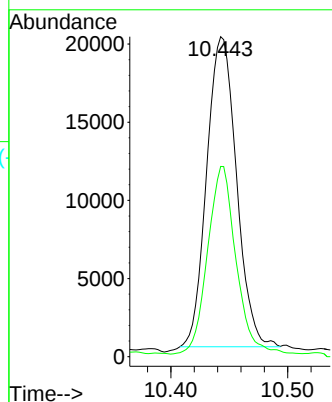
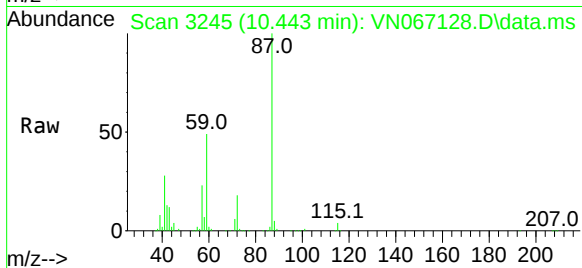




#59
2-Hexanone
Concen: 28.74 ug/l
RT: 10.443 min Scan# 3245
Delta R.T. -0.260 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

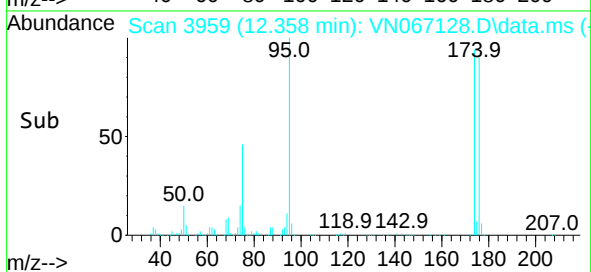
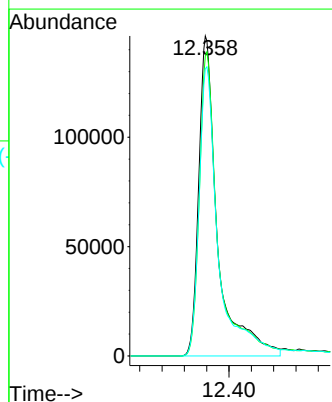
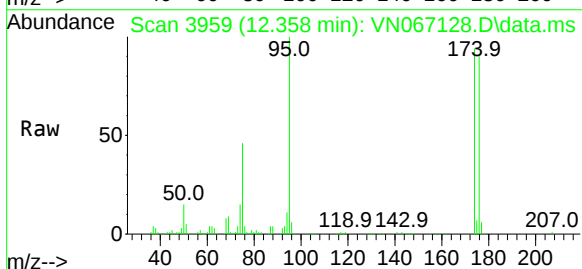
Instrument :
MSVOA_N
ClientSampleId :

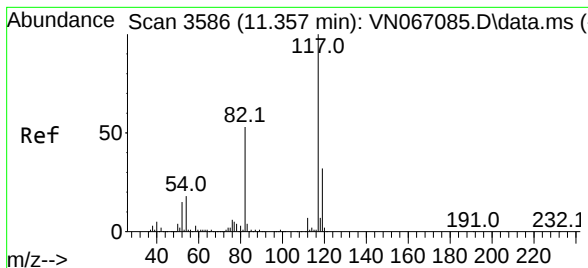
Tgt Ion: 43 Resp: 35125
Ion Ratio Lower Upper
43 100
58 57.0 29.8 89.5



#62
4-Bromofluorobenzene
Concen: 45.56 ug/l
RT: 12.358 min Scan# 3959
Delta R.T. 0.003 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

Tgt Ion: 95 Resp: 343880
Ion Ratio Lower Upper
95 100
174 94.5 0.0 182.8
176 92.7 0.0 176.6

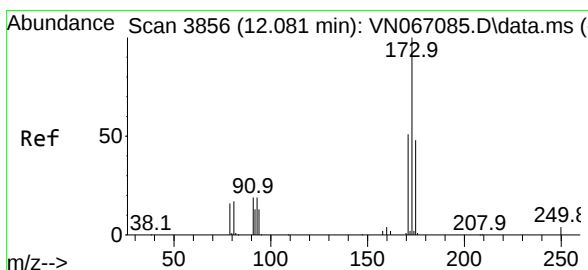
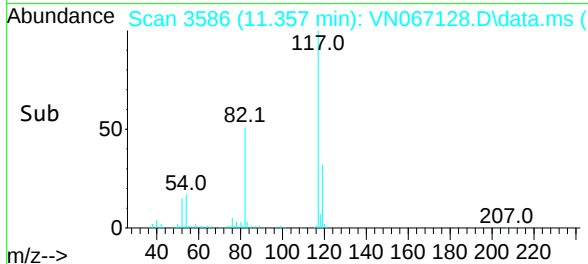
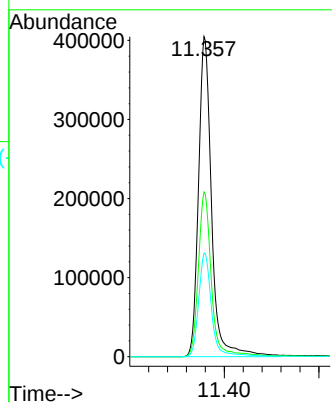
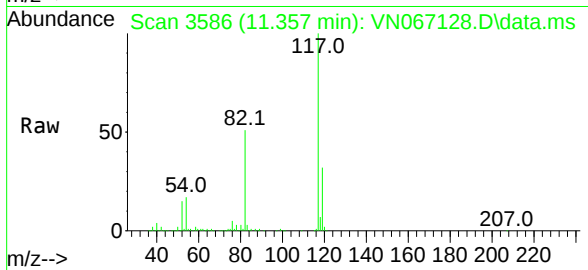




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.357 min Scan# 3586
Delta R.T. 0.000 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

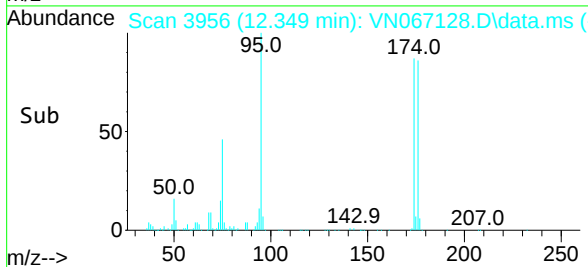
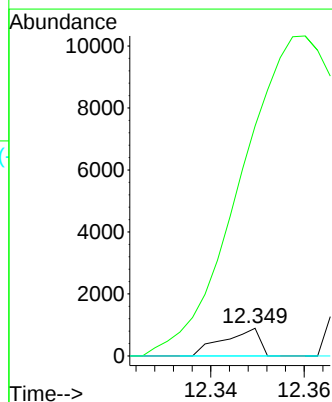
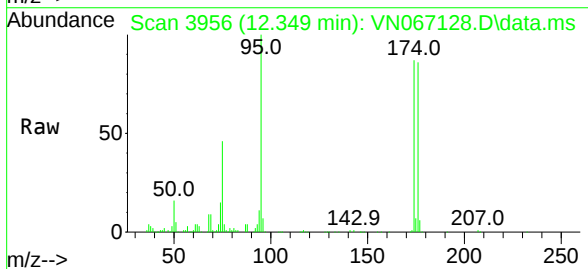
Instrument :
MSVOA_N
ClientSampleId :

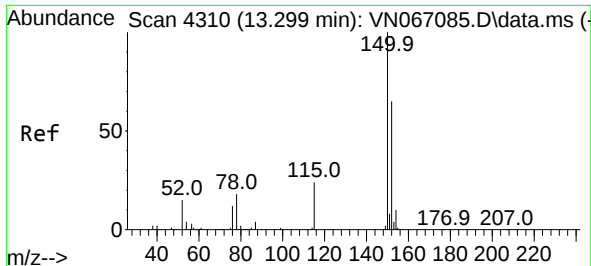
Tgt Ion:117 Resp: 773960
Ion Ratio Lower Upper
117 100
82 51.5 42.2 63.2
119 32.4 25.8 38.6



#71
Bromoform
Concen: 1.84 ug/l
RT: 12.349 min Scan# 3956
Delta R.T. 0.268 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

Tgt Ion:173 Resp: 483
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

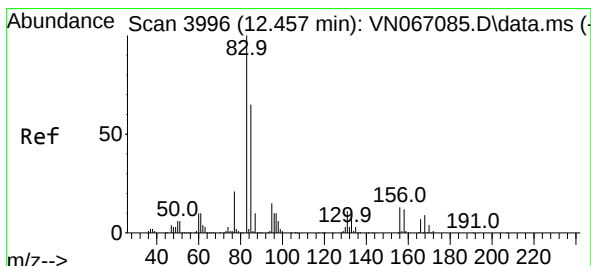
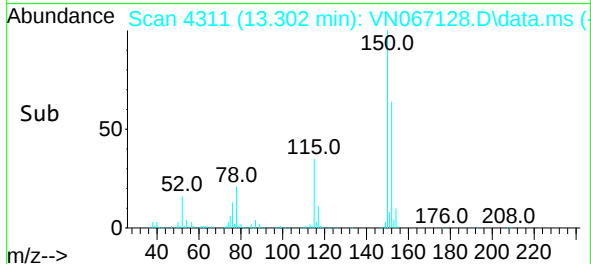
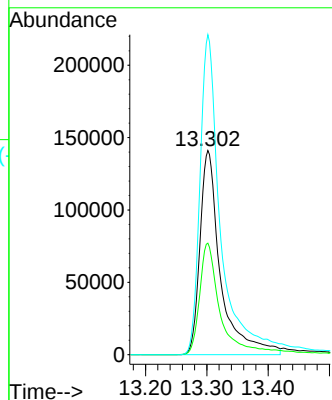
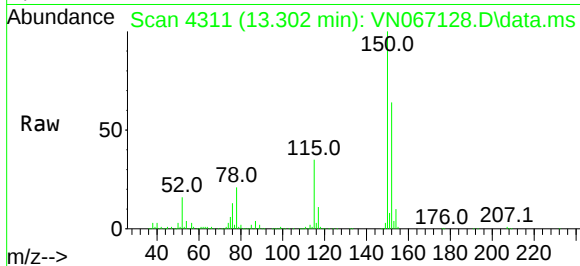




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.302 min Scan# 4311
Delta R.T. 0.003 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

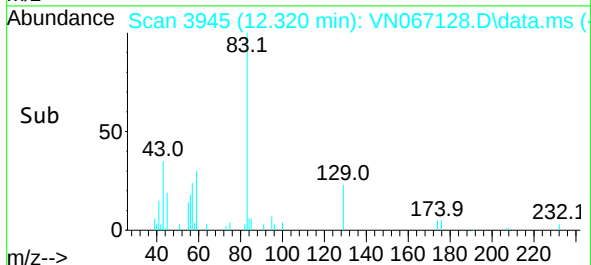
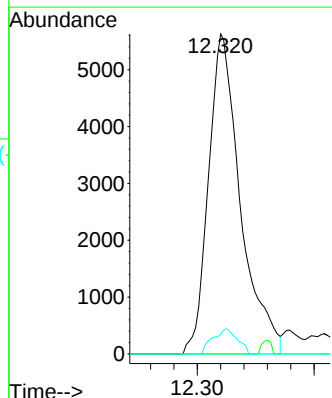
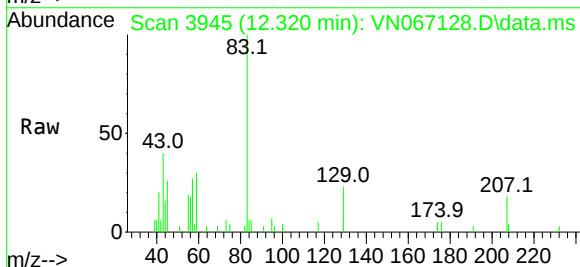
Instrument :
MSVOA_N
ClientSampleId :

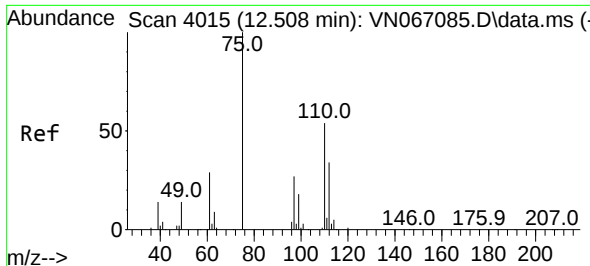
Tgt Ion:152 Resp: 330688
Ion Ratio Lower Upper
152 100
115 56.6 27.0 80.8
150 164.2 0.0 350.2



#75
1,1,2,2-Tetrachloroethane
Concen: 1.27 ug/l
RT: 12.320 min Scan# 3945
Delta R.T. -0.137 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

Tgt Ion: 83 Resp: 10668
Ion Ratio Lower Upper
83 100
131 0.0 5.3 16.1#
85 6.0 32.6 97.8#

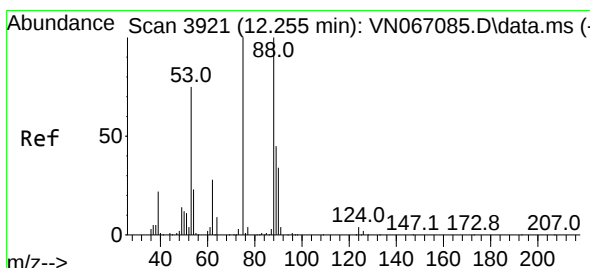
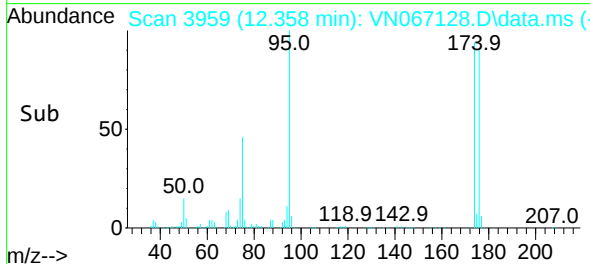
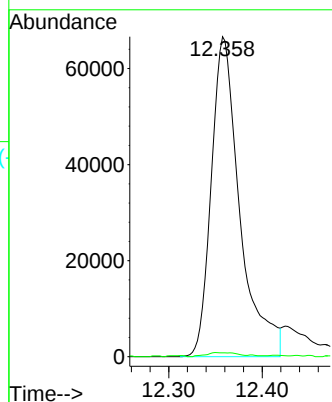
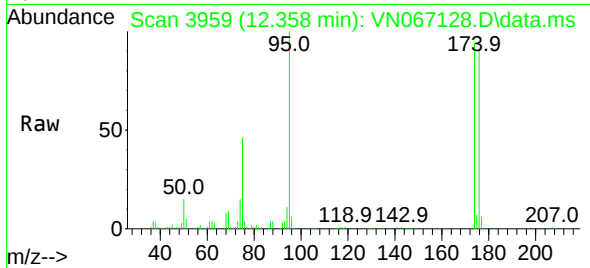




#76
1,2,3-Trichloropropane
Concen: 20.30 ug/l
RT: 12.358 min Scan# 3959
Delta R.T. -0.150 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

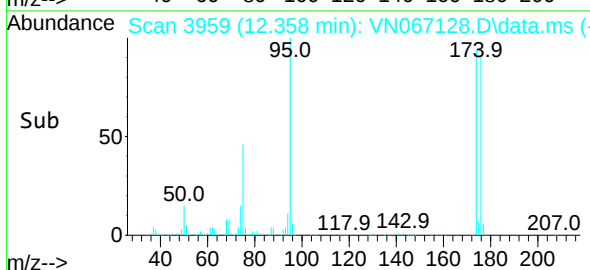
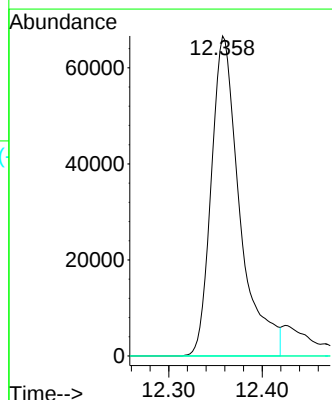
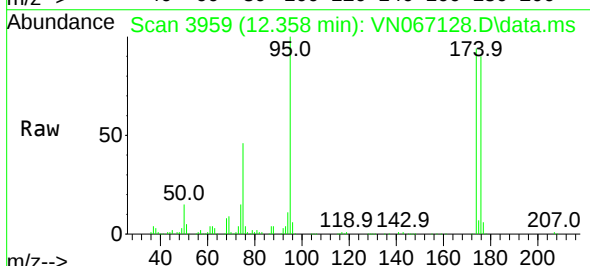
Instrument :
MSVOA_N
ClientSampled :

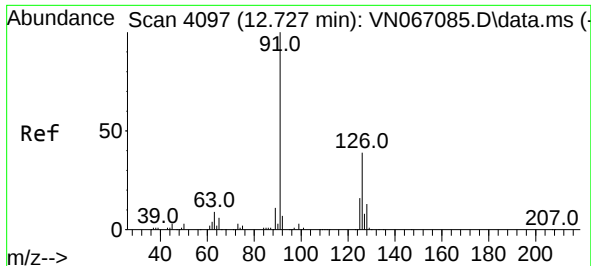
Tgt Ion: 75 Resp: 141679
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.34 ug/l
RT: 12.358 min Scan# 3959
Delta R.T. 0.103 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

Tgt Ion: 75 Resp: 141679
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#

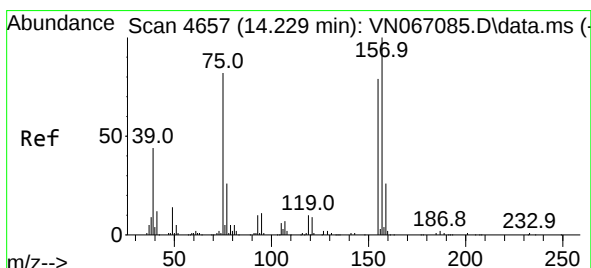
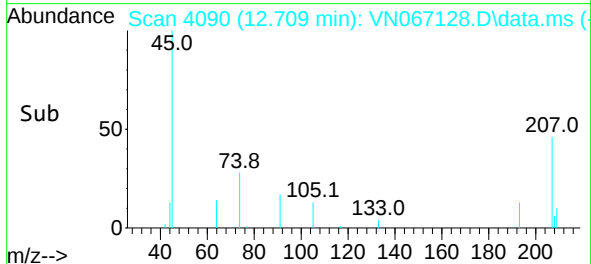
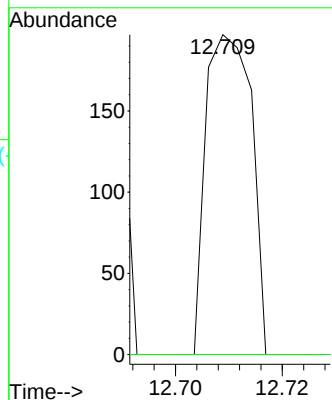
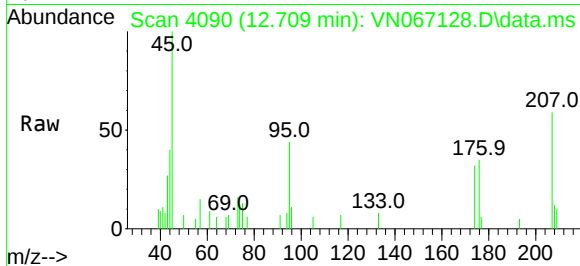




#82
4-Chlorotoluene
Concen: 1.19 ug/l
RT: 12.709 min Scan# 4090
Delta R.T. -0.018 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

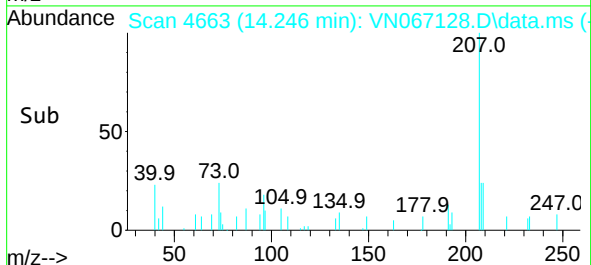
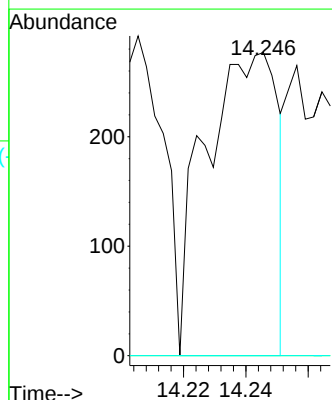
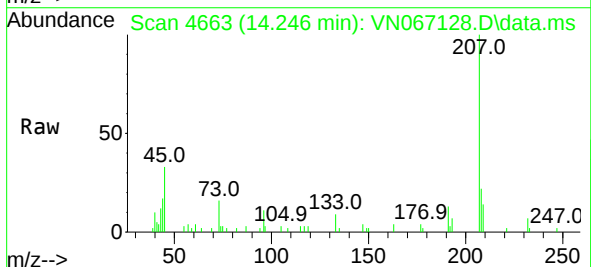
Instrument :
MSVOA_N
ClientSampled :

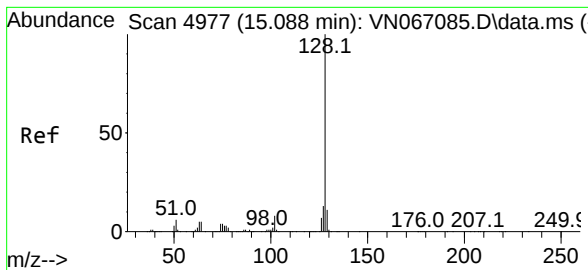
Tgt Ion: 91 Resp: 117
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.36 ug/l
RT: 14.246 min Scan# 4663
Delta R.T. 0.017 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

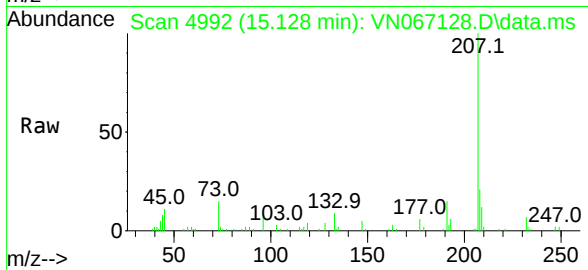
Tgt Ion: 75 Resp: 445
Ion Ratio Lower Upper
75 100
155 0.0 49.9 149.7#
157 0.0 63.8 191.4#





#95
Naphthalene
Concen: 3.34 ug/l
RT: 15.128 min Scan# 4992
Delta R.T. 0.040 min
Lab File: VN067128.D
Acq: 18 May 2021 15:39

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	13.0#

