

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051021\
 Data File : VN067067.D
 Acq On : 10 May 2021 13:10
 Operator : JC/MD
 Sample : VN0510MBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 11 01:45:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 07:24:52 2021
 Response via : Initial Calibration

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

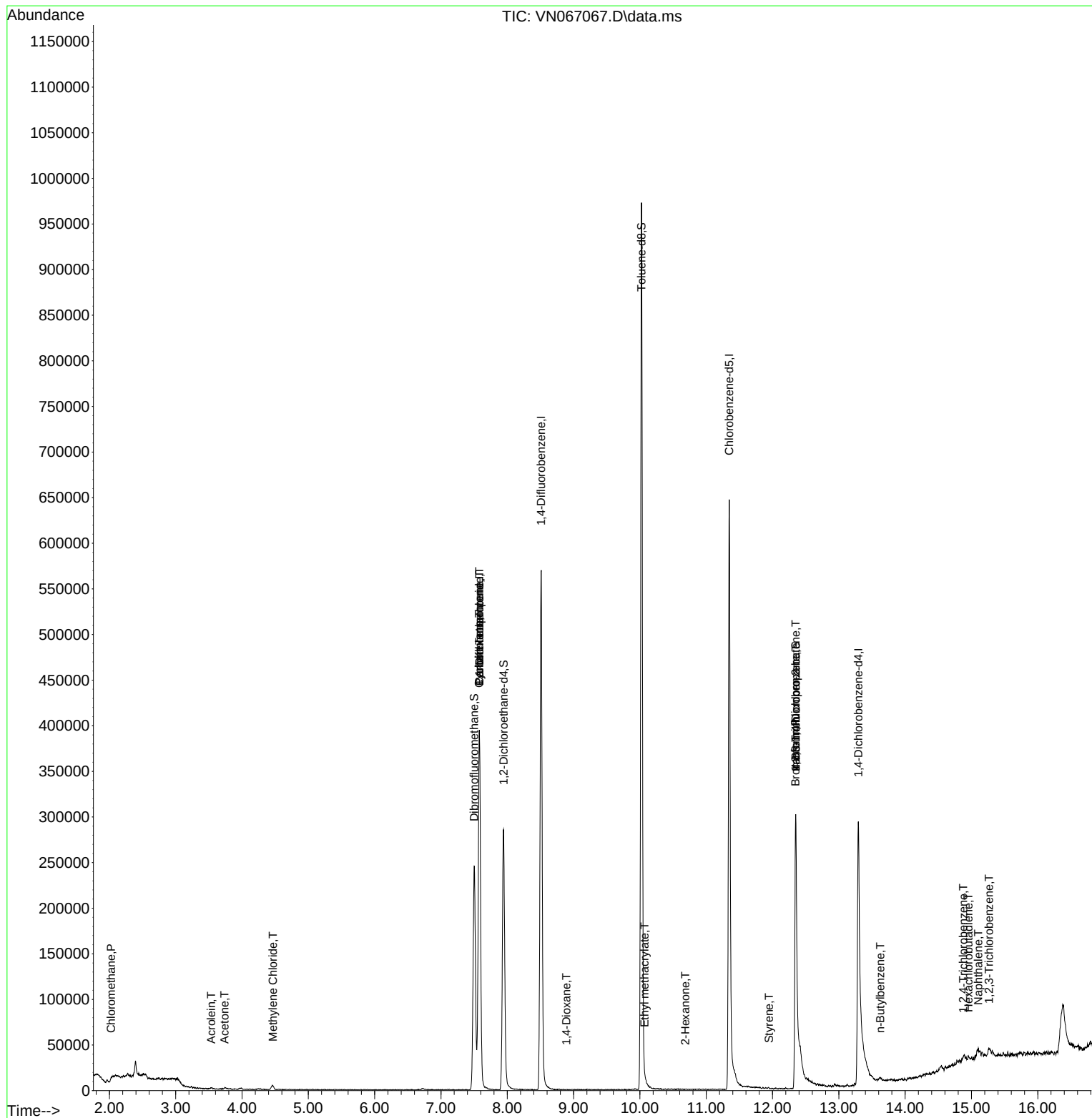
Internal Standards						
1) Pentafluorobenzene	7.579	168	305112	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.512	114	494260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	418673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	121138	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.943	65	267971	55.80	ug/l	-0.01
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.60%			
35) Dibromofluoromethane	7.501	113	188714	56.23	ug/l	-0.01
Spiked Amount 50.000	Range 69 - 133		Recovery = 112.46%			
50) Toluene-d8	10.025	98	676873	52.96	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.92%			
62) 4-Bromofluorobenzene	12.350	95	174337	40.28	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 80.56%			
Target Compounds					Qvalue	
3) Chloromethane	2.024	50	1611	0.27	ug/l	97
13) Acrolein	3.534	56	1292	2.29	ug/l #	41
16) Acetone	3.735	43	764	0.45	ug/l	98
20) Methylene Chloride	4.468	84	1757	0.41	ug/l #	81
31) Cyclohexane	7.576	56	7113	1.05	ug/l #	10
36) 1,1-Dichloropropene	7.579	75	26064	5.06	ug/l #	50
38) Carbon Tetrachloride	7.579	117	32089	5.98	ug/l #	18
49) 1,4-Dioxane	8.890	88	82	1.37	ug/l #	26
56) Ethyl methacrylate	10.070	69	58	5.20	ug/l #	1
59) 2-Hexanone	10.684	43	54	28.38	ug/l #	23
70) Styrene	11.948	104	173	4.73	ug/l #	26
71) Bromoform	12.345	173	517	0.21	ug/l #	1
76) 1,2,3-Trichloropropane	12.347	75	91189	31.60	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.347	75	91189	93.63	ug/l #	12
89) n-Butylbenzene	13.624	91	1655	5.46	ug/l #	44
93) 1,2,4-Trichlorobenzene	14.876	180	1193	0.59	ug/l #	26
94) Hexachlorobutadiene	14.957	225	425	0.34	ug/l #	50
95) Naphthalene	15.102	128	12341	2.32	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.263	180	2797	1.42	ug/l	59

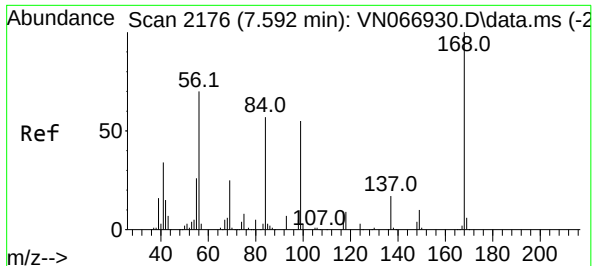
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampled :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
Quant Title : SW846 8260
QLast Update : Wed May 05 07:24:52 2021
Response via : Initial Calibration

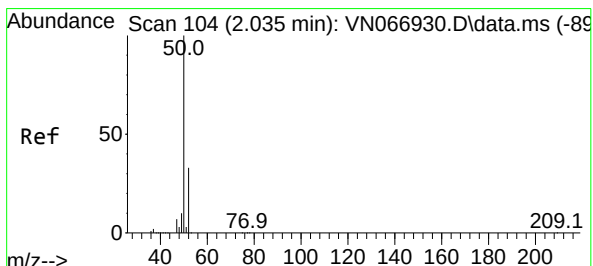
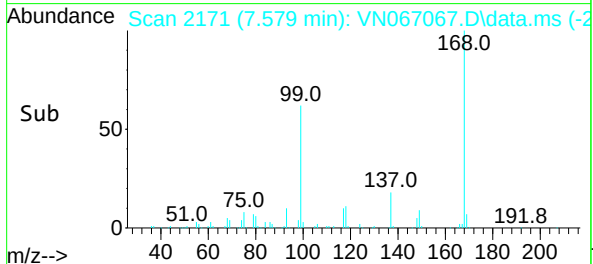
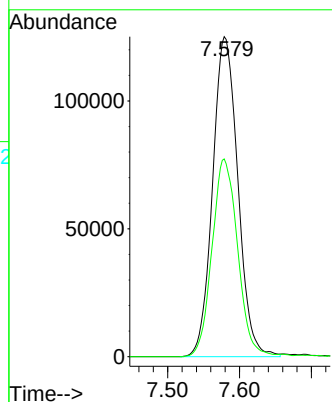
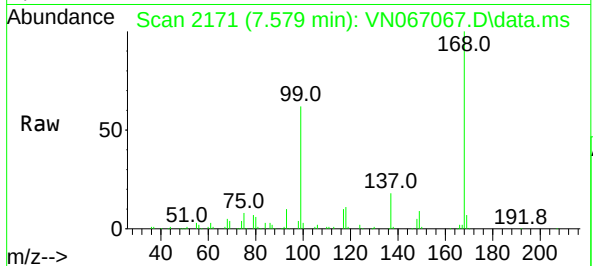




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.579 min Scan# 2171
Delta R.T. -0.013 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

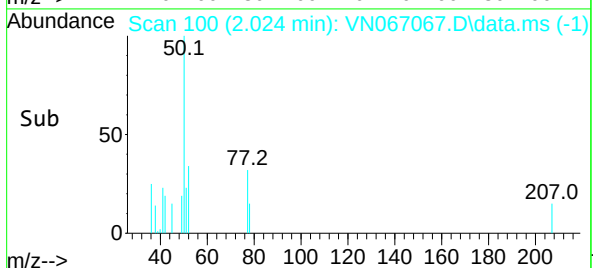
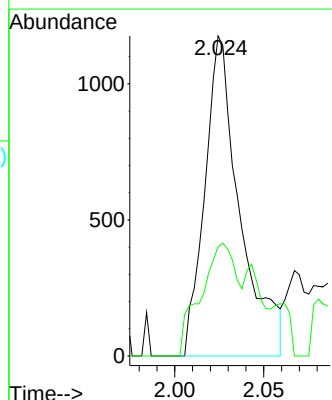
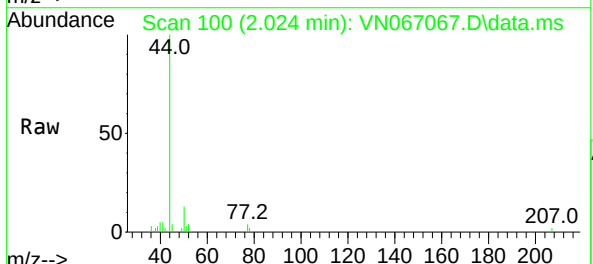
Instrument :
MSVOA_N
ClientSampleId :

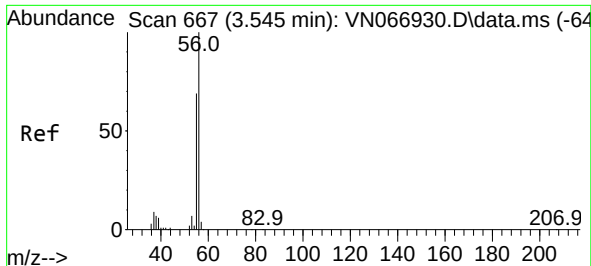
Tgt Ion:168 Resp: 305112
Ion Ratio Lower Upper
168 100
99 61.8 42.6 63.8



#3
Chloromethane
Concen: 0.27 ug/l
RT: 2.024 min Scan# 100
Delta R.T. -0.011 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

Tgt Ion: 50 Resp: 1611
Ion Ratio Lower Upper
50 100
52 34.1 25.8 38.8

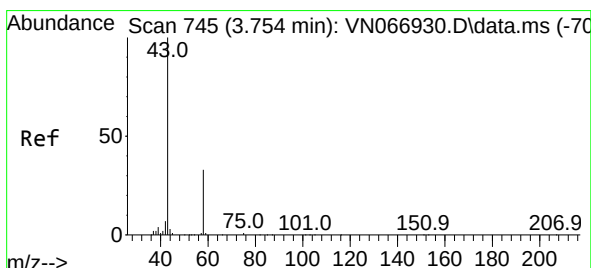
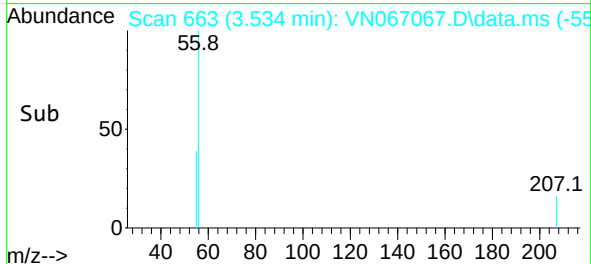
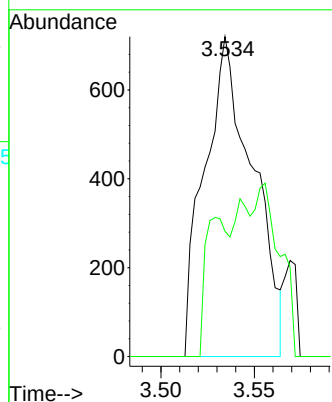
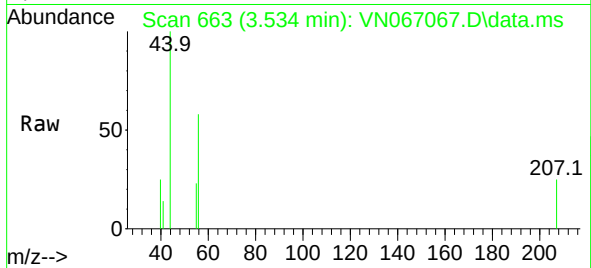




#13
Acrolein
Concen: 2.29 ug/l
RT: 3.534 min Scan# 663
Delta R.T. -0.011 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

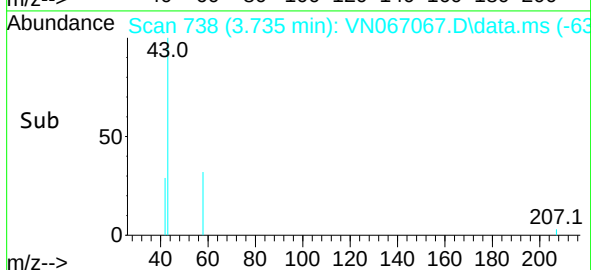
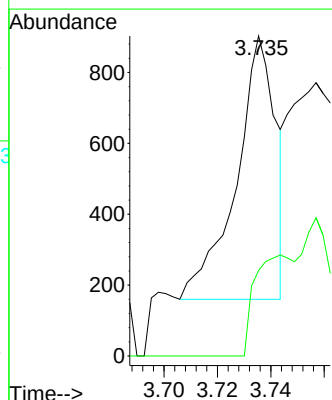
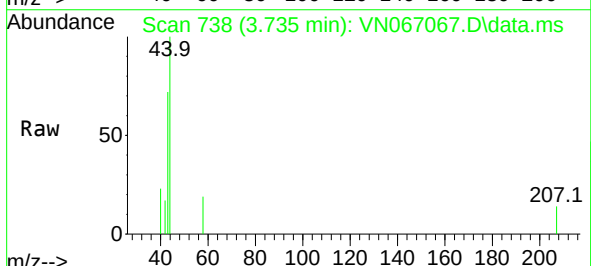
Instrument :
MSVOA_N
ClientSampled :

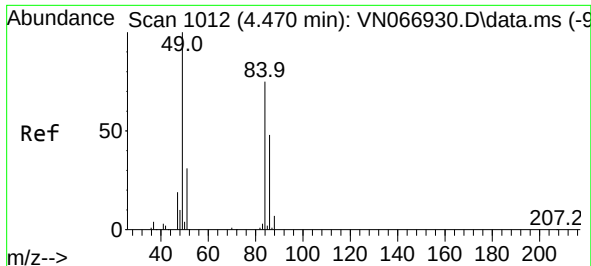
Tgt Ion: 56 Resp: 1292
Ion Ratio Lower Upper
56 100
55 21.6 56.0 84.0#



#16
Acetone
Concen: 0.45 ug/l
RT: 3.735 min Scan# 738
Delta R.T. -0.019 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

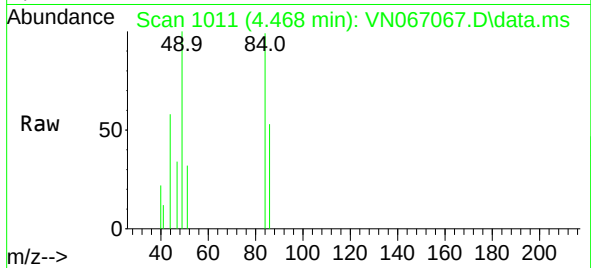
Tgt Ion: 43 Resp: 764
Ion Ratio Lower Upper
43 100
58 32.4 27.0 40.6



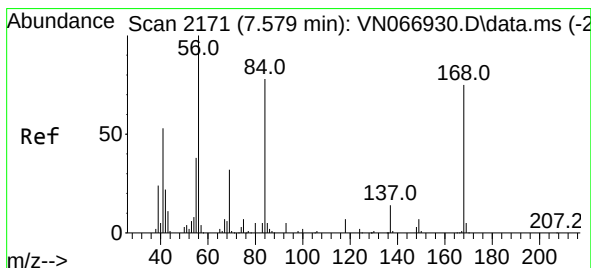
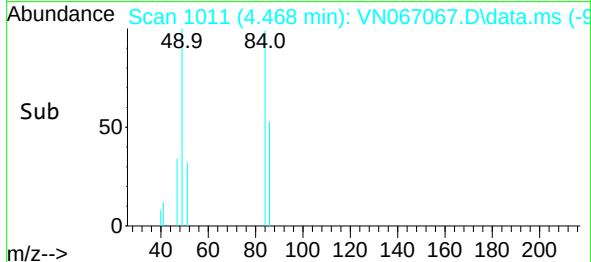
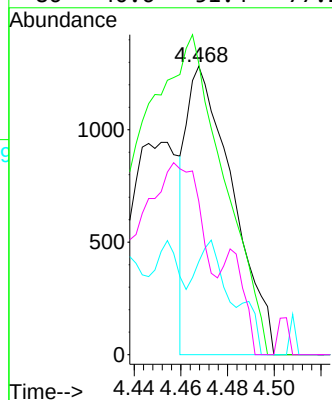


#20
Methylene Chloride
Concen: 0.41 ug/l
RT: 4.468 min Scan# 1011
Delta R.T. -0.002 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

Instrument :
MSVOA_N
ClientSampleId :

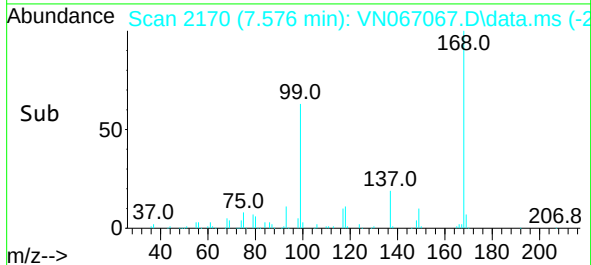
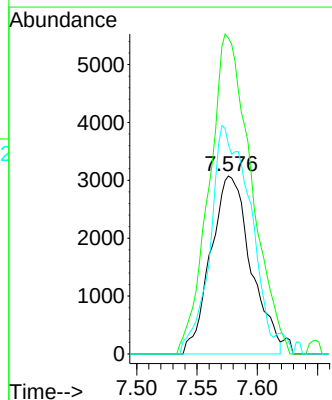
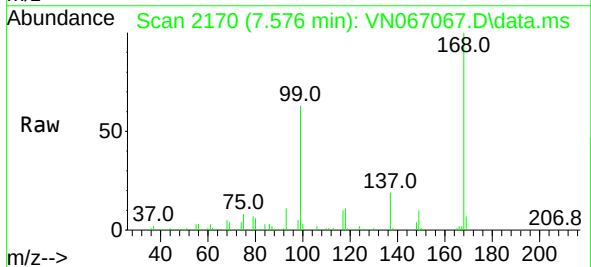


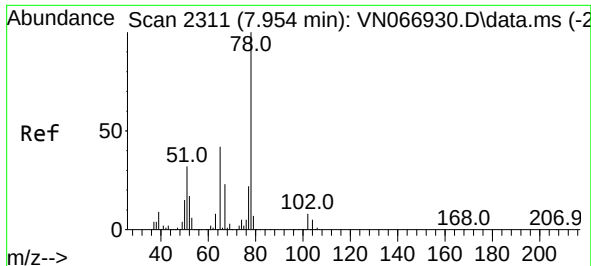
Tgt Ion:	84	Resp:	1757
Ion	Ratio	Lower	Upper
84	100		
49	101.1	94.6	141.8
51	32.2	29.9	44.9
86	40.6	51.4	77.2#



#31
Cyclohexane
Concen: 1.05 ug/l
RT: 7.576 min Scan# 2170
Delta R.T. -0.003 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

Tgt Ion:	56	Resp:	7113
Ion	Ratio	Lower	Upper
56	100		
69	172.0	26.6	39.8#
84	117.6	70.4	105.6#



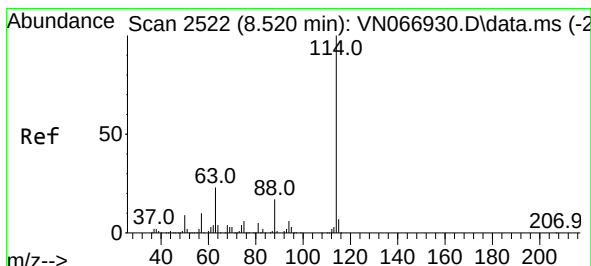
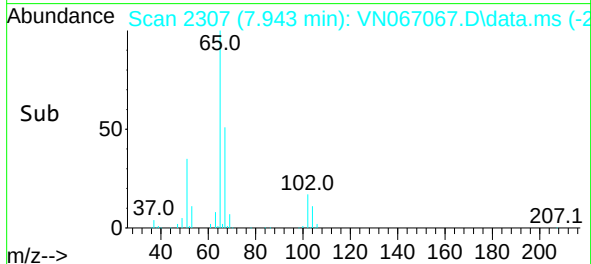
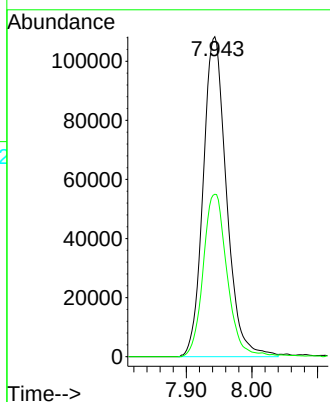
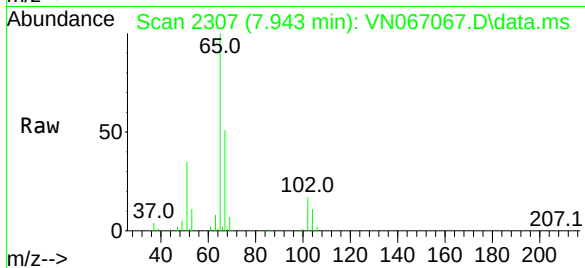


#33

1,2-Dichloroethane-d4
Concen: 55.80 ug/l
RT: 7.943 min Scan# 2307
Delta R.T. -0.011 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

Instrument :
MSVOA_N
ClientSampleId :

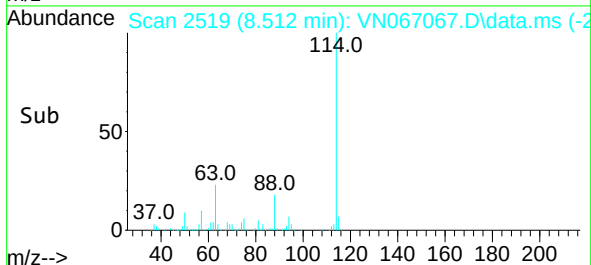
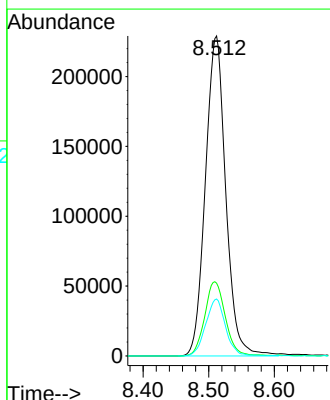
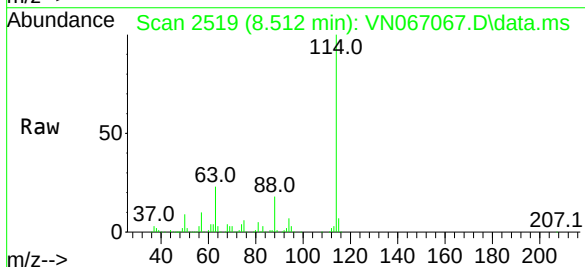
Tgt Ion: 65 Resp: 267971
Ion Ratio Lower Upper
65 100
67 51.4 0.0 107.2

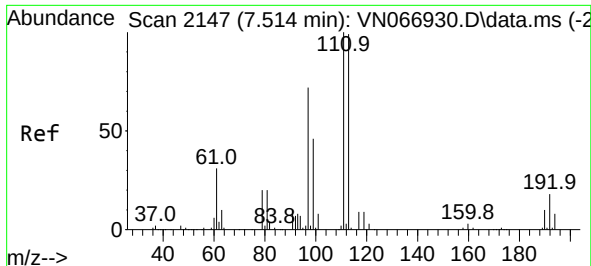


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.512 min Scan# 2519
Delta R.T. -0.008 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

Tgt Ion: 114 Resp: 494260
Ion Ratio Lower Upper
114 100
63 22.7 0.0 38.6
88 17.8 0.0 30.6

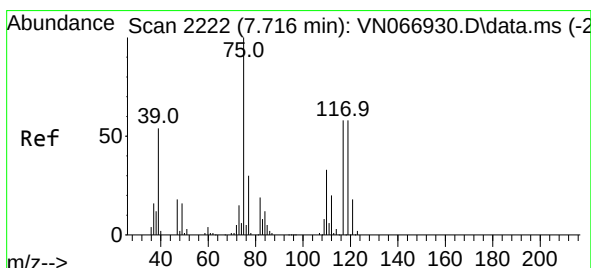
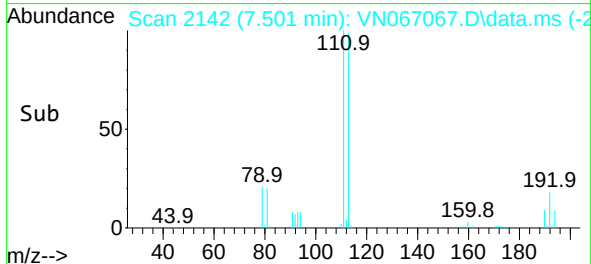
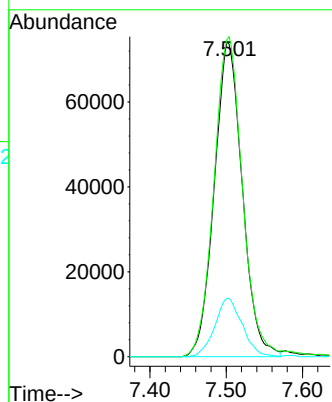
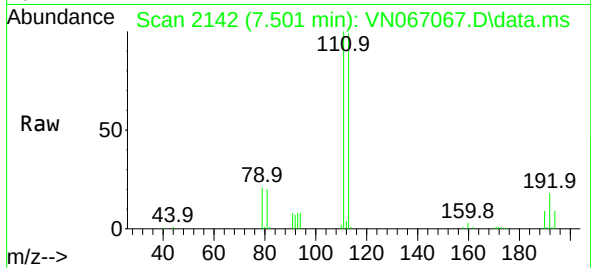




#35
Dibromofluoromethane
Concen: 56.23 ug/l
RT: 7.501 min Scan# 2142
Delta R.T. -0.013 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

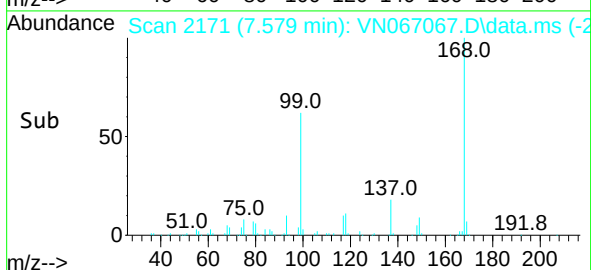
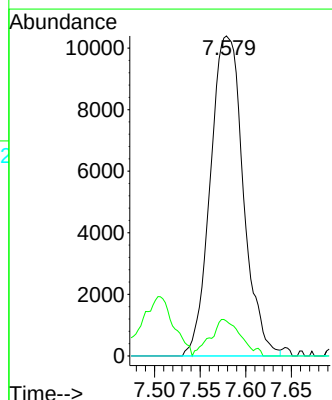
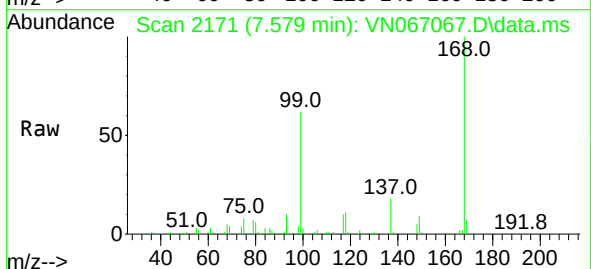
Instrument :
MSVOA_N
ClientSampleId :

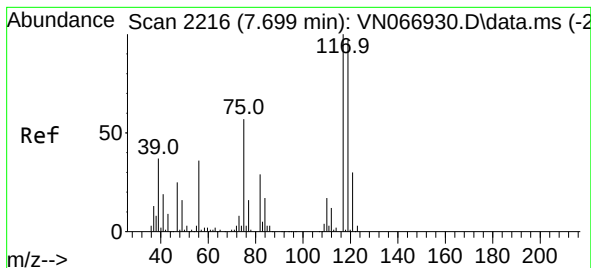
Tgt Ion:113 Resp: 188714
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 18.2 15.4 23.0



#36
1,1-Dichloropropene
Concen: 5.06 ug/l
RT: 7.579 min Scan# 2171
Delta R.T. -0.137 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

Tgt Ion: 75 Resp: 26064
Ion Ratio Lower Upper
75 100
110 10.1 18.2 54.6#
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.98 ug/l

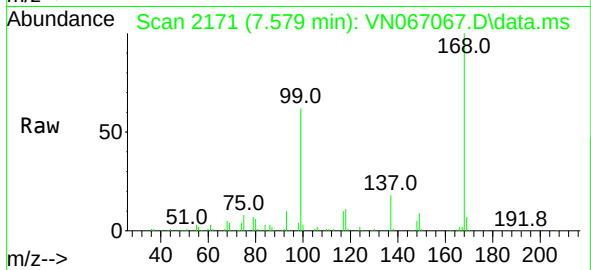
RT: 7.579 min Scan# 2171

Delta R.T. -0.120 min

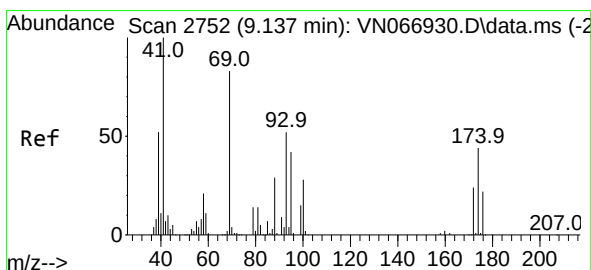
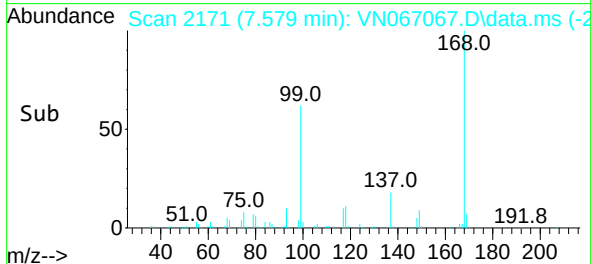
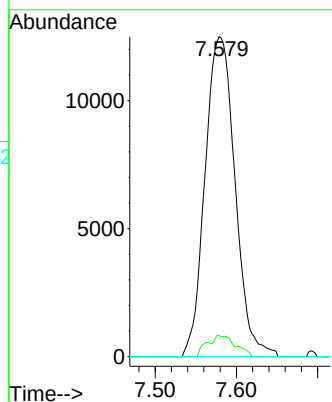
Lab File: VN067067.D

Acq: 10 May 2021 13:10

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	117	Resp:	32089
Ion	Ratio	Lower	Upper
117	100		
119	6.6	76.0	114.0#
121	0.0	24.5	36.7#



#49

1,4-Dioxane

Concen: 1.37 ug/l

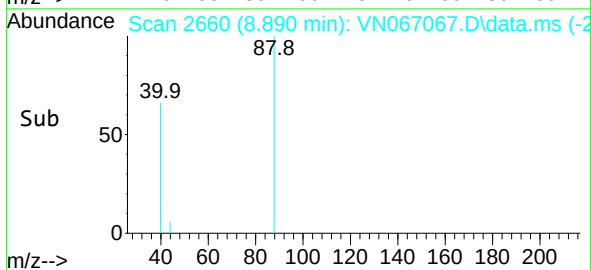
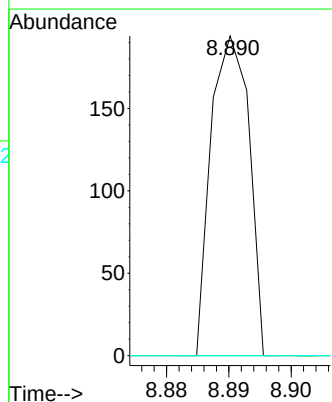
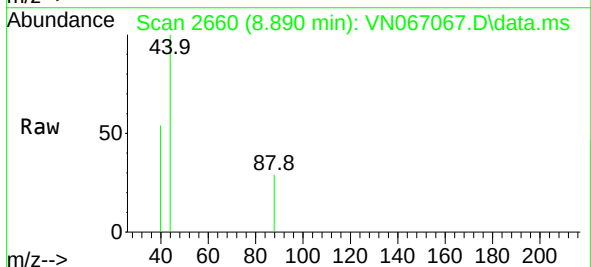
RT: 8.890 min Scan# 2660

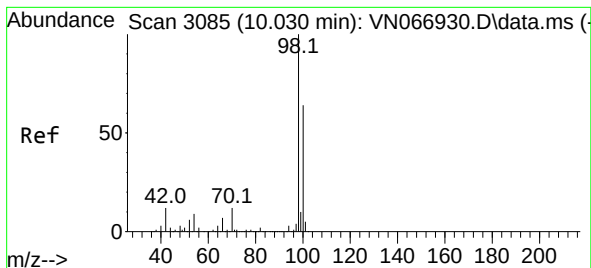
Delta R.T. -0.247 min

Lab File: VN067067.D

Acq: 10 May 2021 13:10

Tgt Ion:	88	Resp:	82
Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.7	37.1#
58	0.0	52.6	78.8#

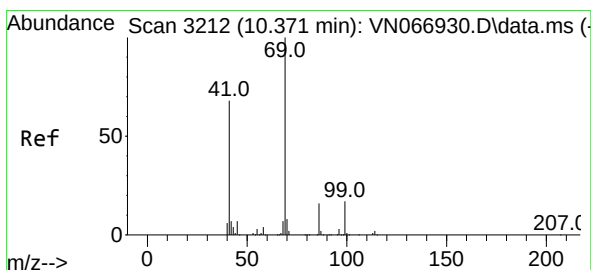
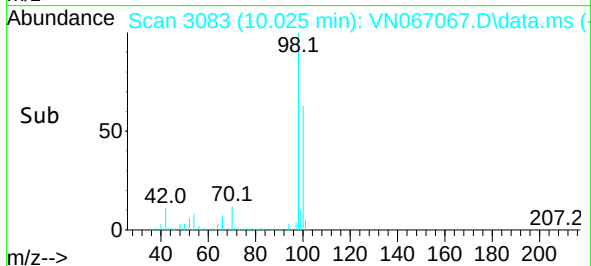
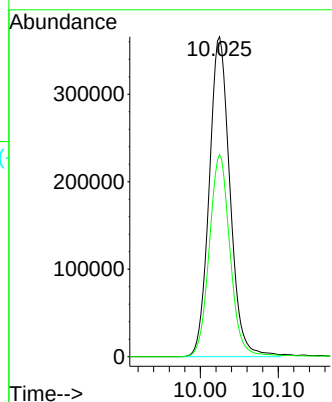
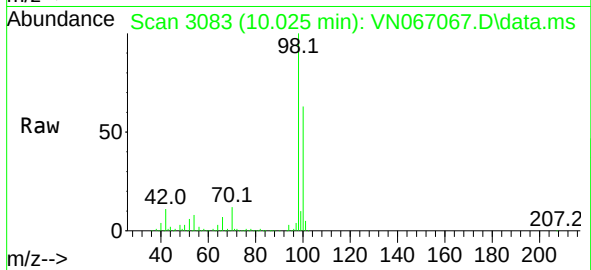




#50
Toluene-d8
Concen: 52.96 ug/l
RT: 10.025 min Scan# 3083
Delta R.T. -0.005 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

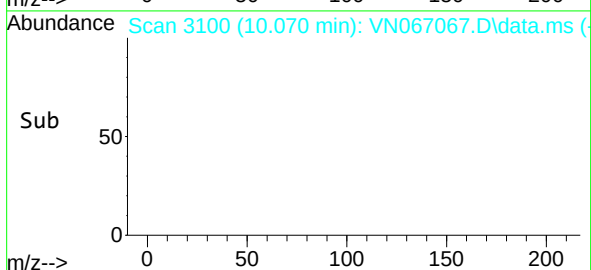
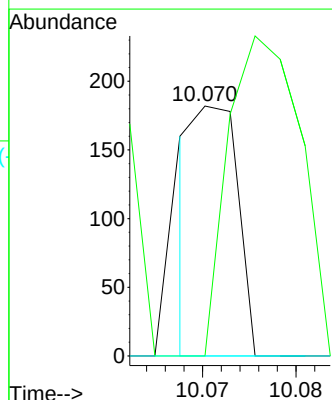
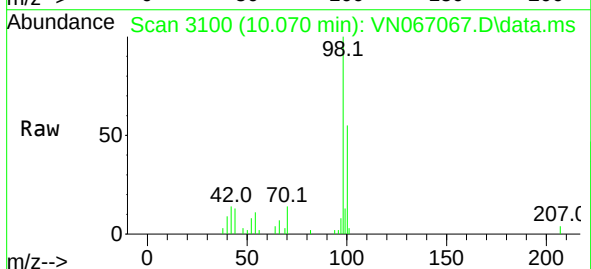
Instrument :
MSVOA_N
ClientSampleId :

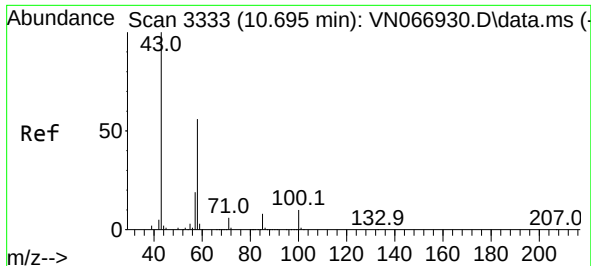
Tgt Ion: 98 Resp: 676873
Ion Ratio Lower Upper
98 100
100 63.1 50.5 75.7



#56
Ethyl methacrylate
Concen: 5.20 ug/l
RT: 10.070 min Scan# 3100
Delta R.T. -0.301 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

Tgt Ion: 69 Resp: 58
Ion Ratio Lower Upper
69 100
41 215.5 49.6 74.4#
39 0.0 28.0 42.0#

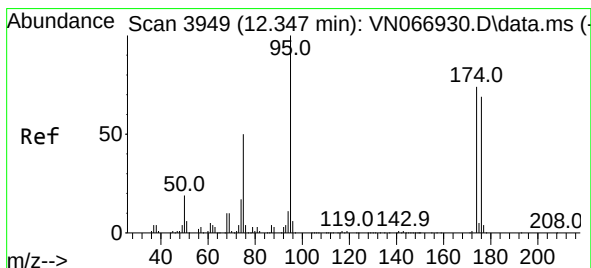
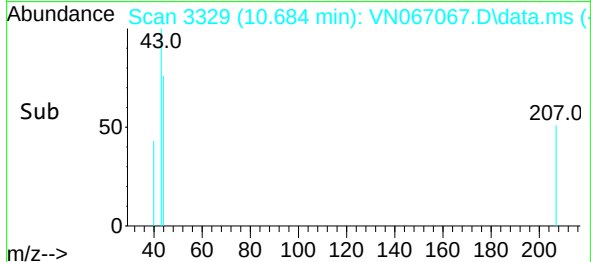
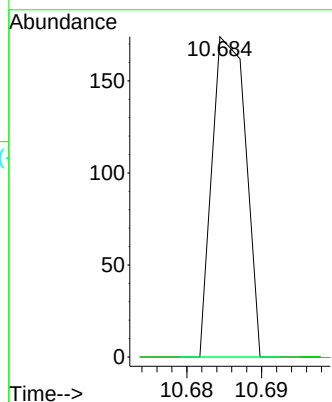
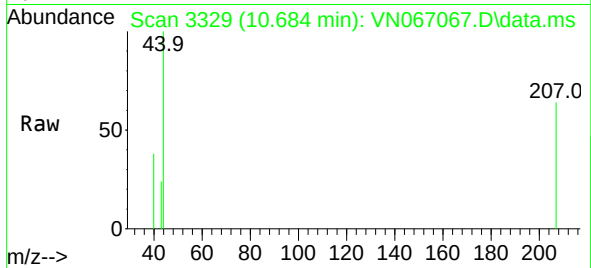




#59
2-Hexanone
Concen: 28.38 ug/l
RT: 10.684 min Scan# 3329
Delta R.T. -0.011 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

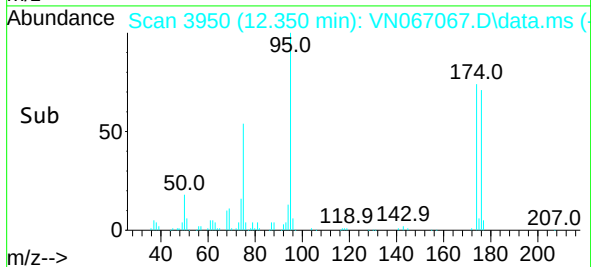
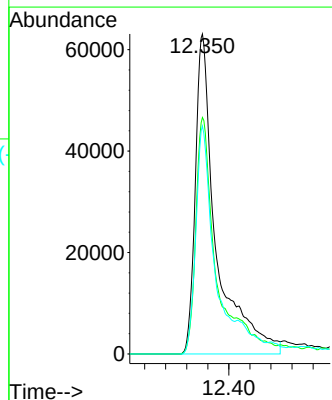
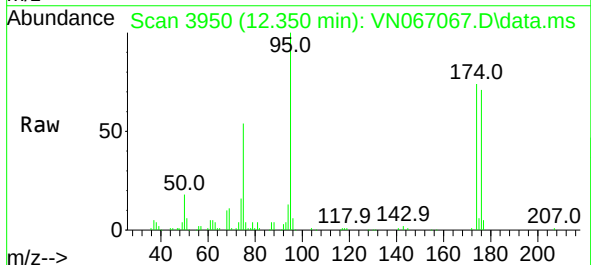
Instrument :
MSVOA_N
ClientSampleId :

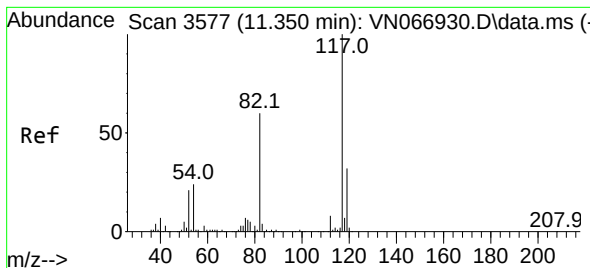
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 40.28 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

Tgt Ion: 95 Resp: 174337
Ion Ratio Lower Upper
95 100
174 73.4 0.0 169.0
176 59.4 0.0 162.4

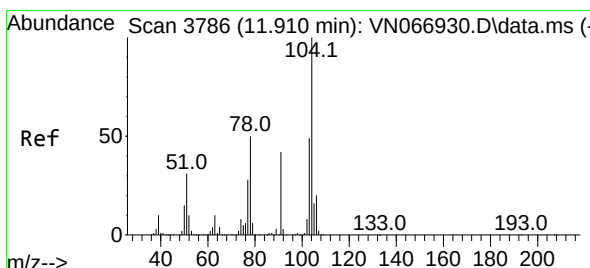
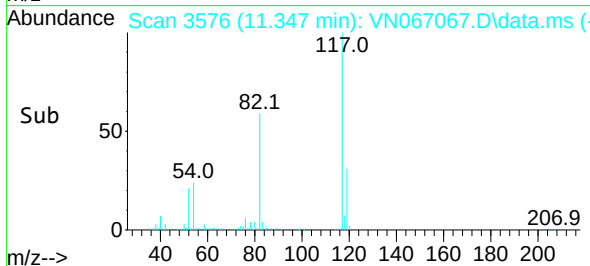
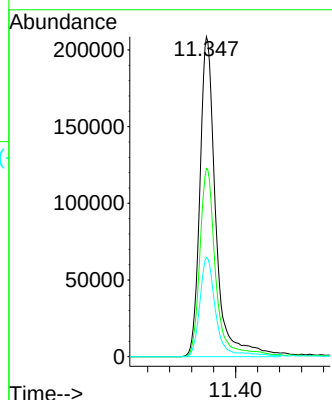
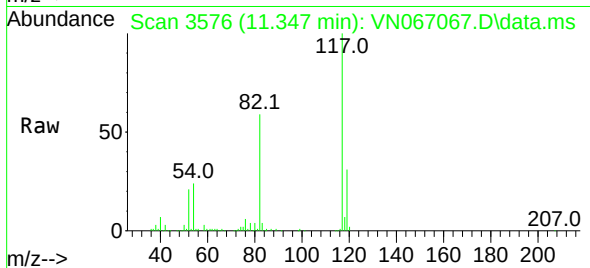




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3576
Delta R.T. -0.003 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

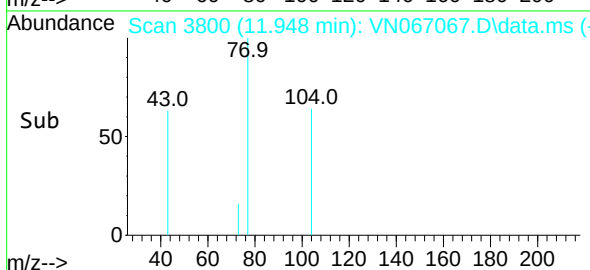
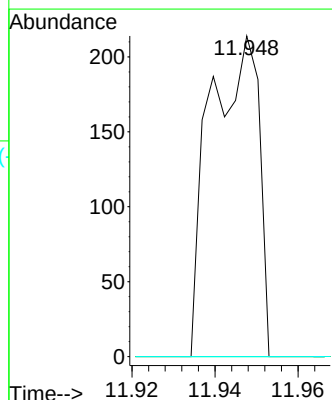
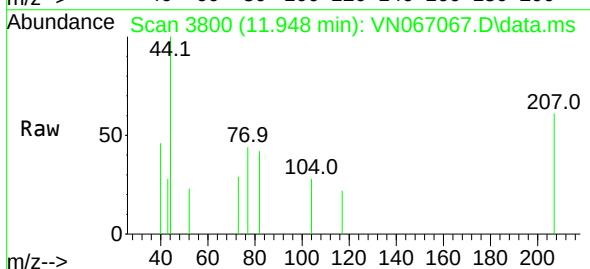
Instrument :
MSVOA_N
ClientSampleId :

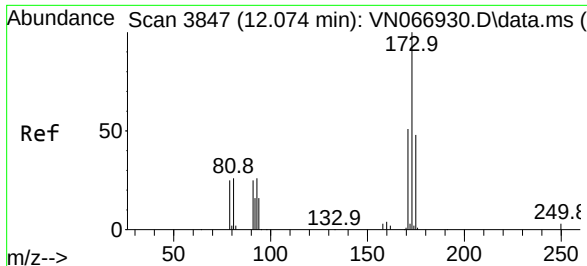
Tgt Ion:117 Resp: 418673
Ion Ratio Lower Upper
117 100
82 58.8 43.7 65.5
119 31.0 26.1 39.1



#70
Styrene
Concen: 4.73 ug/l
RT: 11.948 min Scan# 3800
Delta R.T. 0.038 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

Tgt Ion:104 Resp: 173
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 0.0 44.5 66.7#

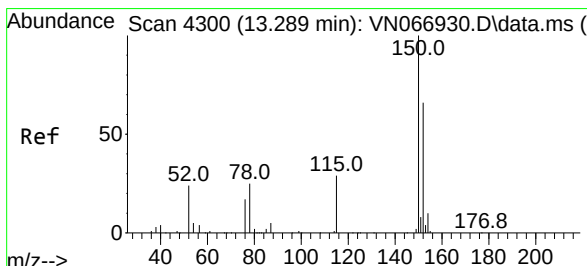
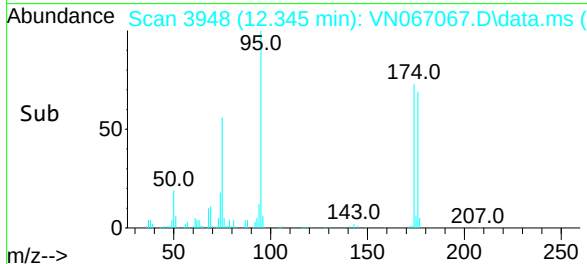
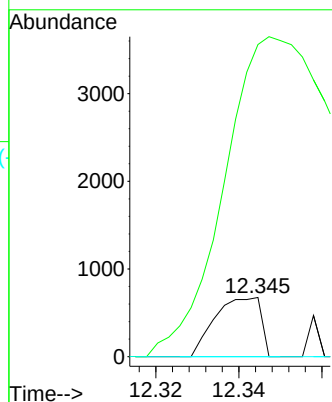
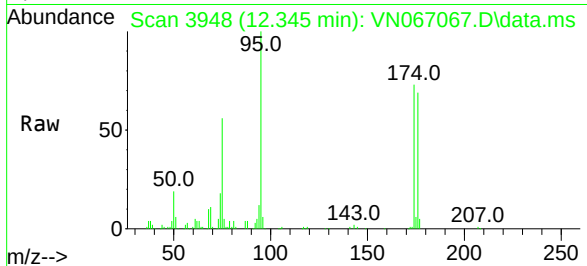




#71
Bromoform
Concen: 0.21 ug/l
RT: 12.345 min Scan# 3948
Delta R.T. 0.271 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

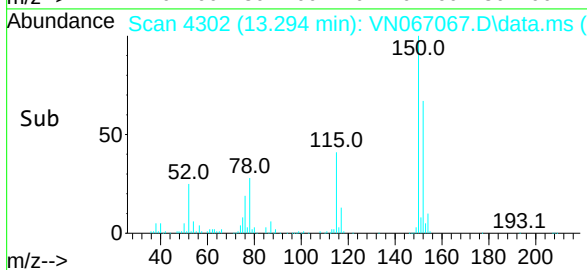
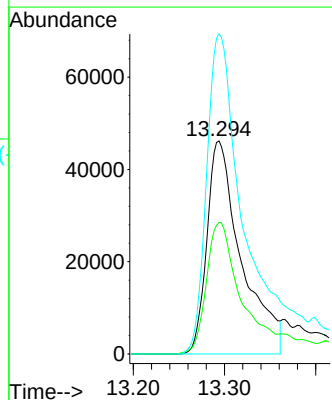
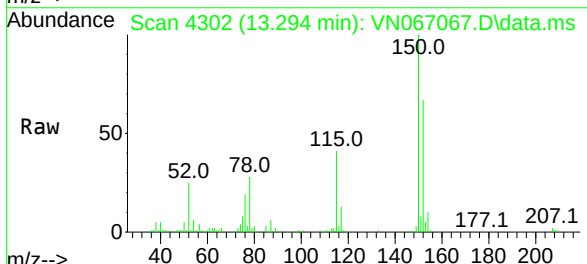
Instrument :
MSVOA_N
ClientSampled :

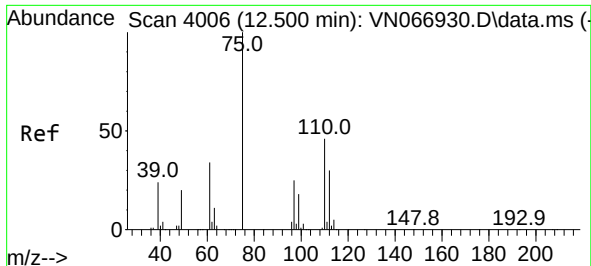
Tgt Ion:173 Resp: 517
Ion Ratio Lower Upper
173 100
175 1181.4 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

Tgt Ion:152 Resp: 121138
Ion Ratio Lower Upper
152 100
115 61.6 28.5 85.6
150 167.0 0.0 347.6

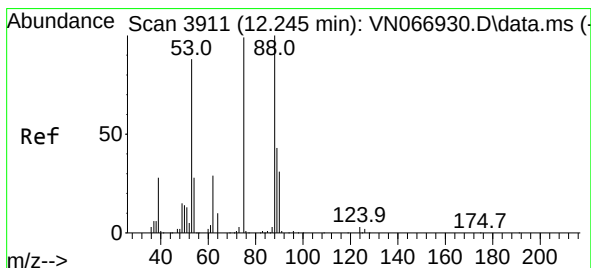
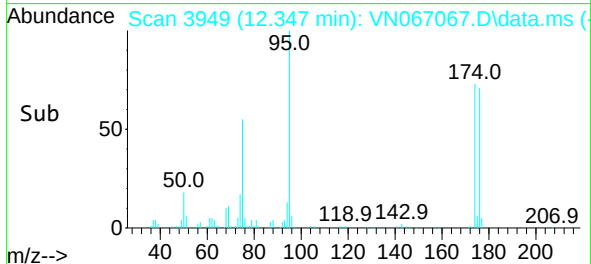
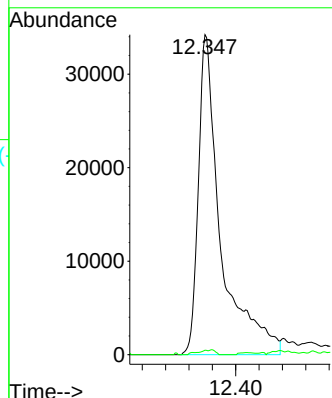
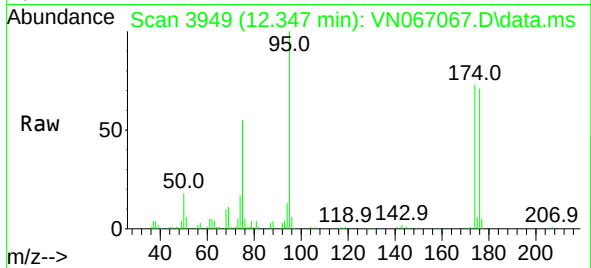




#76
1,2,3-Trichloropropane
Concen: 31.60 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. -0.153 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

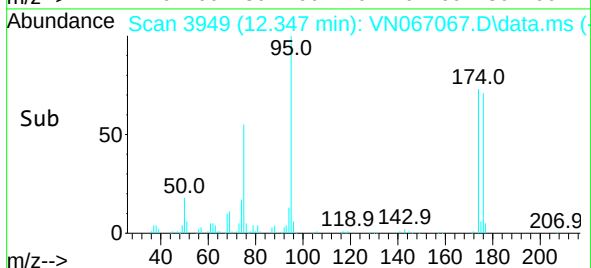
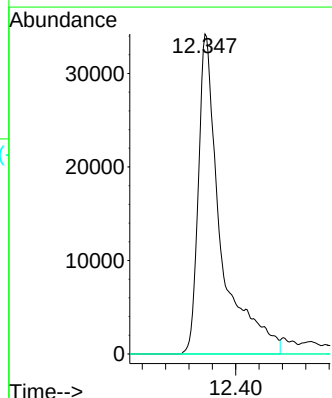
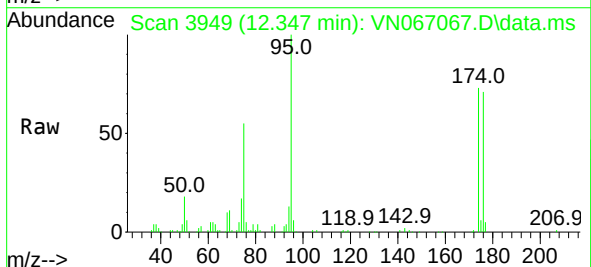
Instrument :
MSVOA_N
ClientSampleId :

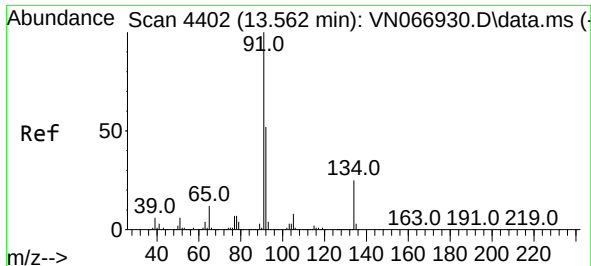
Tgt Ion: 75 Resp: 91189
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.63 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. 0.102 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

Tgt Ion: 75 Resp: 91189
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

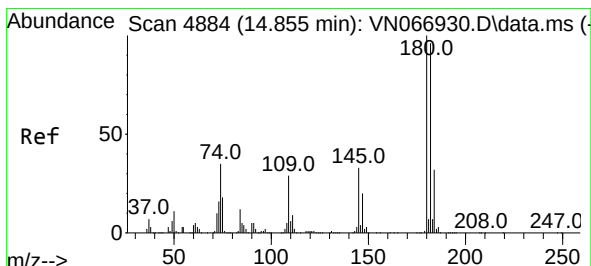
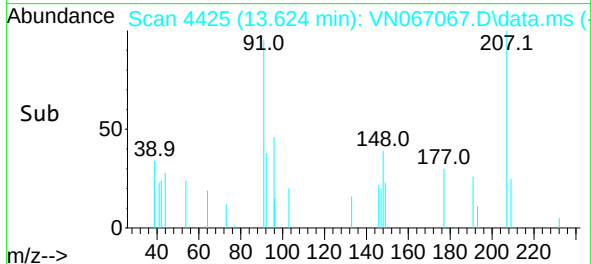
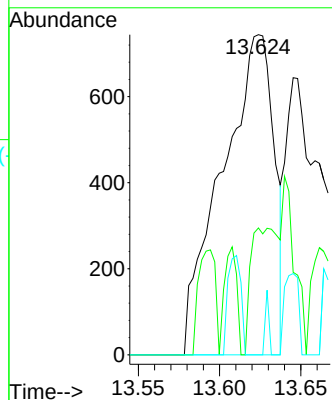
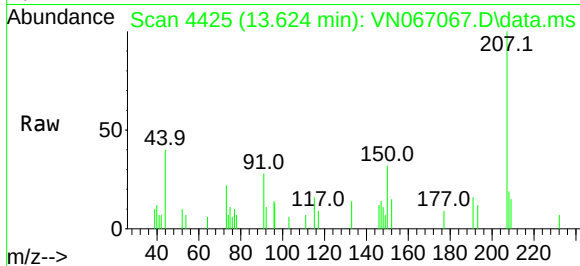




#89
n-Butylbenzene
Concen: 5.46 ug/l
RT: 13.624 min Scan# 4425
Delta R.T. 0.062 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

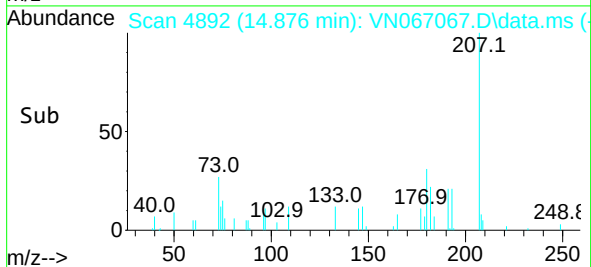
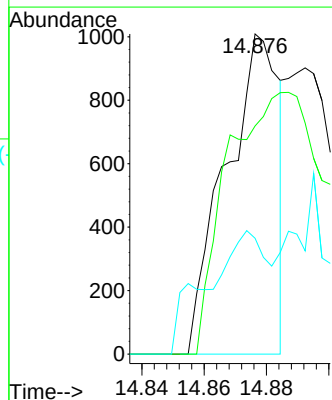
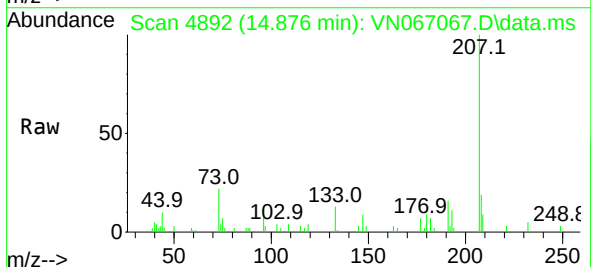
Instrument :
MSVOA_N
ClientSampled :

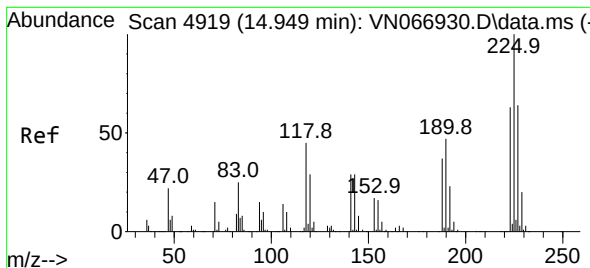
Tgt Ion: 91 Resp: 1655
Ion Ratio Lower Upper
91 100
92 10.3 26.1 78.3#
134 1.5 13.0 38.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.59 ug/l
RT: 14.876 min Scan# 4892
Delta R.T. 0.021 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

Tgt Ion:180 Resp: 1193
Ion Ratio Lower Upper
180 100
182 0.0 47.3 142.0#
145 33.0 15.6 46.8

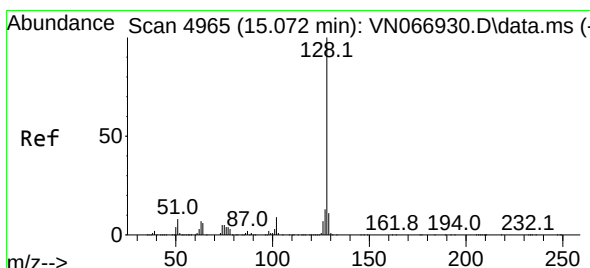
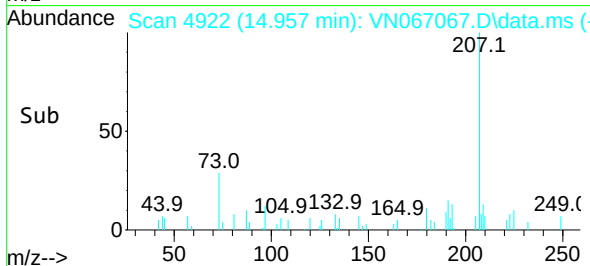
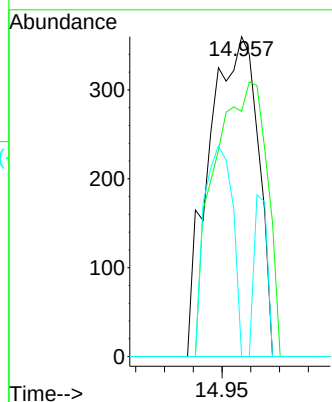
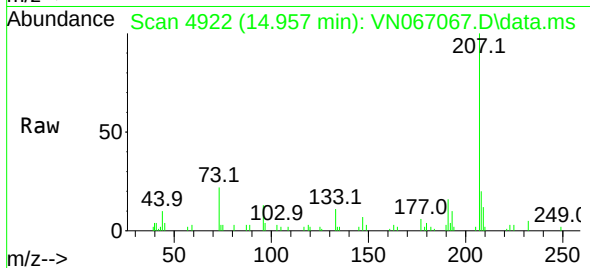




#94
Hexachlorobutadiene
Concen: 0.34 ug/l
RT: 14.957 min Scan# 4922
Delta R.T. 0.008 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

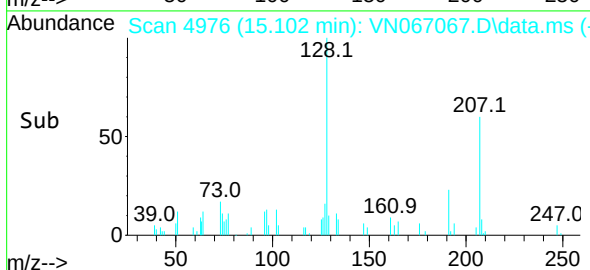
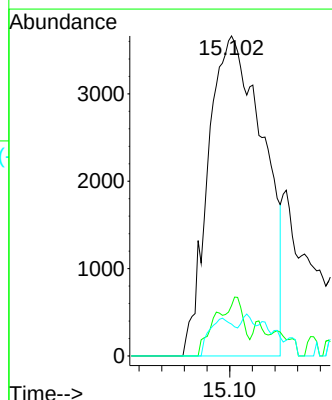
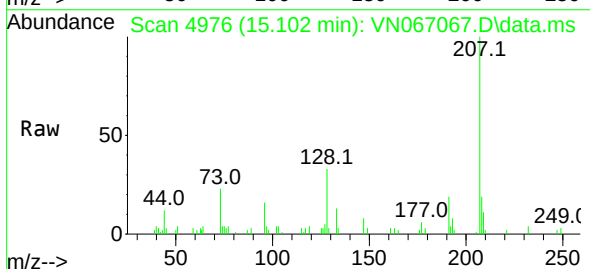
Instrument :
MSVOA_N
ClientSampleId :

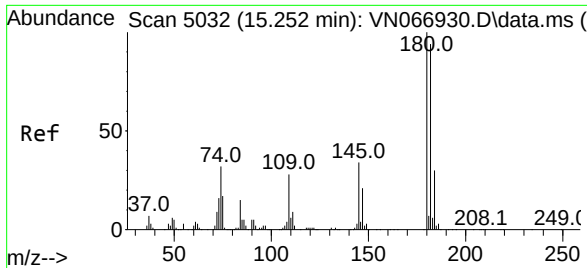
Tgt Ion:225 Resp: 425
Ion Ratio Lower Upper
225 100
223 91.8 31.9 95.9
227 13.4 31.6 95.0#



#95
Naphthalene
Concen: 2.32 ug/l
RT: 15.102 min Scan# 4976
Delta R.T. 0.030 min
Lab File: VN067067.D
Acq: 10 May 2021 13:10

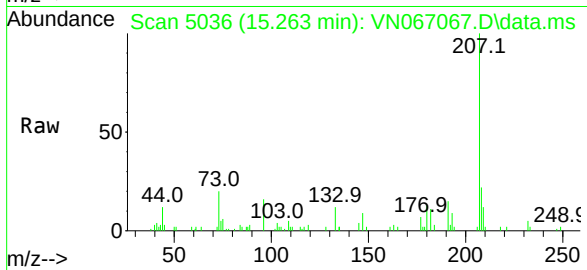
Tgt Ion:128 Resp: 12341
Ion Ratio Lower Upper
128 100
127 3.5 10.2 15.2#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.42 ug/l
 RT: 15.263 min Scan# 5036
 Delta R.T. 0.011 min
 Lab File: VN067067.D
 Acq: 10 May 2021 13:10

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 2797

Ion	Ratio	Lower	Upper
180	100		
182	49.7	47.4	142.3
145	47.9	16.5	49.5

