

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050621\
 Data File : VN067005.D
 Acq On : 6 May 2021 13:17
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 04:06:46 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	7.592	168	474180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	791730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.352	117	688378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	251883	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	397761	53.29	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	106.58%
35) Dibromofluoromethane	7.514	113	284805	52.97	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.94%
50) Toluene-d8	10.030	98	1080870	52.79	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.58%
62) 4-Bromofluorobenzene	12.350	95	316144	45.60	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.20%

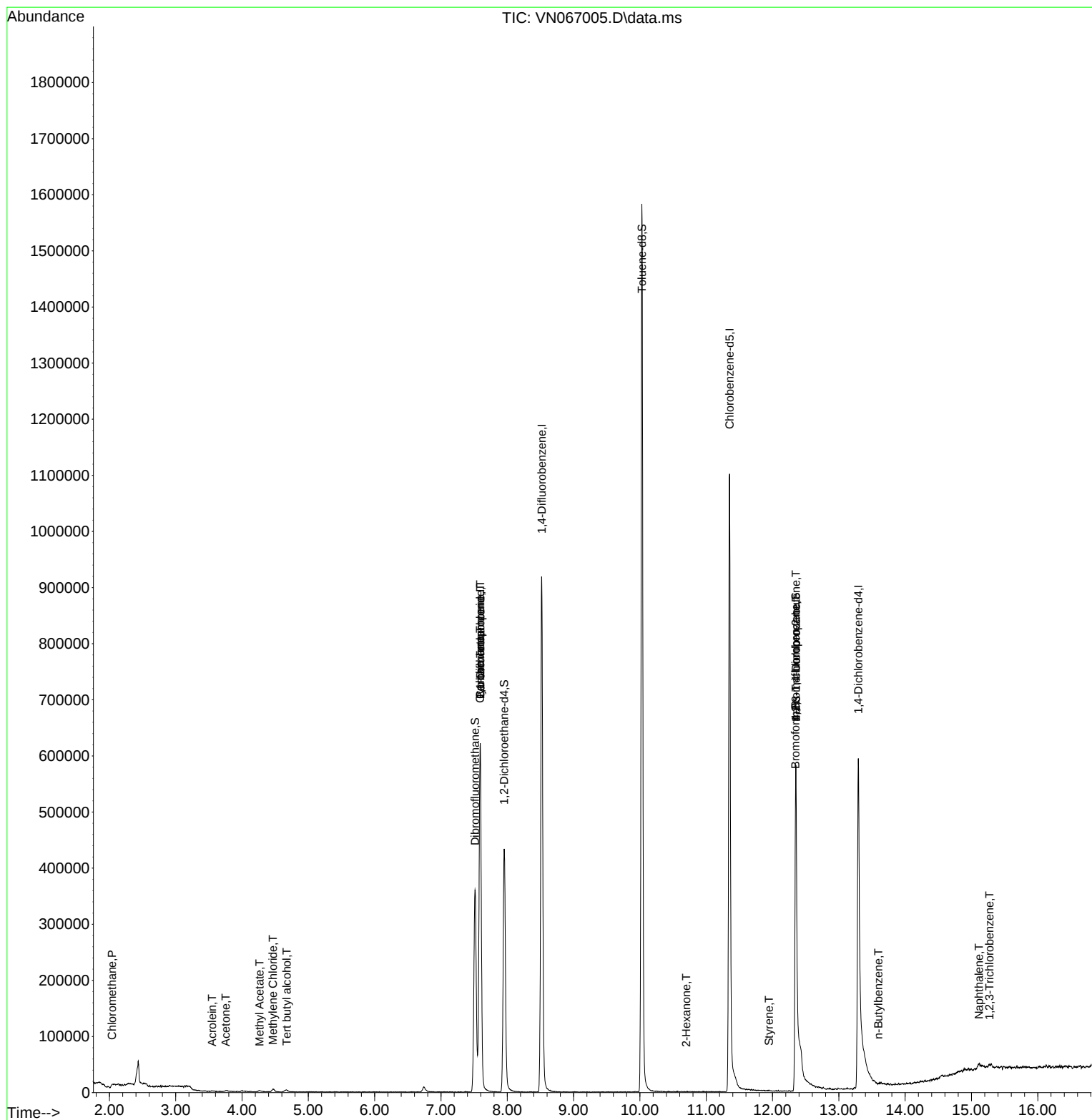
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.040	50	2073	0.23	ug/l	98
11) Tert butyl alcohol	4.674	59	867	0.82	ug/l #	73
13) Acrolein	3.550	56	635	0.72	ug/l #	53
16) Acetone	3.754	43	1584	0.60	ug/l #	83
18) Methyl Acetate	4.264	43	4390	0.58	ug/l #	75
20) Methylene Chloride	4.465	84	3300	0.50	ug/l #	74
31) Cyclohexane	7.589	56	10748	1.02	ug/l #	1
36) 1,1-Dichloropropene	7.592	75	40761	4.94	ug/l #	48
38) Carbon Tetrachloride	7.592	117	50697	5.90	ug/l #	17
59) 2-Hexanone	10.700	43	49	28.37	ug/l #	23
70) Styrene	11.948	104	238	4.72	ug/l #	42
71) Bromoform	12.344	173	1336	0.32	ug/l #	1
76) 1,2,3-Trichloropropane	12.352	75	137774	22.96	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.352	75	137774	69.55	ug/l #	12
89) n-Butylbenzene	13.597	91	57	5.24	ug/l #	34
95) Naphthalene	15.115	128	6422	0.58	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.270	180	1795	0.44	ug/l #	80

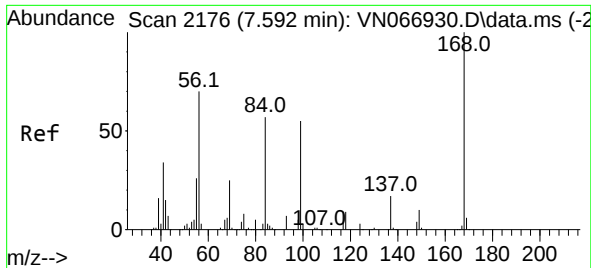
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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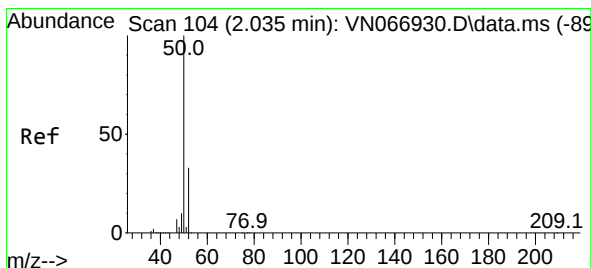
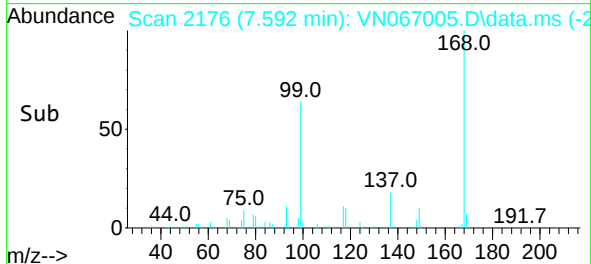
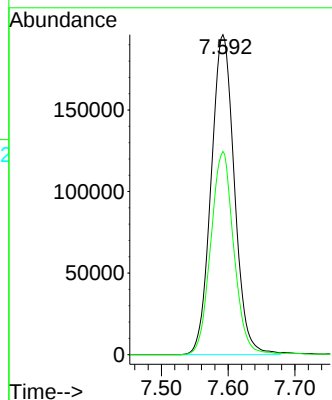
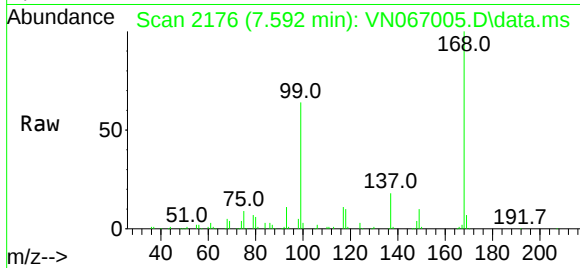




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.000 min
Lab File: VN067005.D
Acq: 6 May 2021 13:17

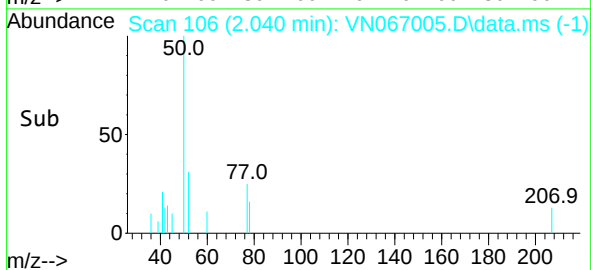
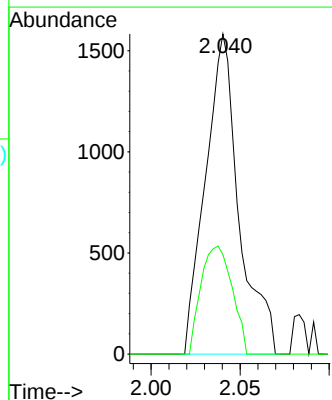
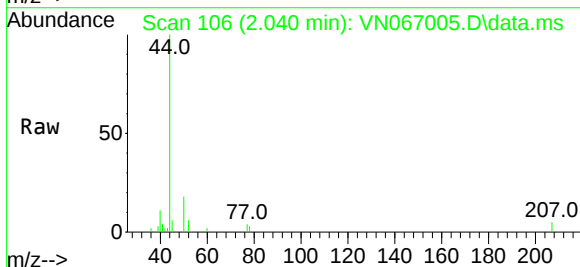
Instrument :
MSVOA_N
ClientSampled :

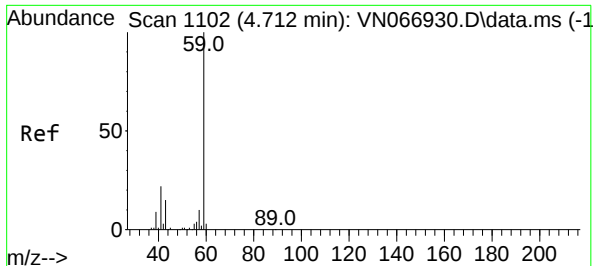
Tgt Ion:168 Resp: 474180
Ion Ratio Lower Upper
168 100
99 63.5 42.6 63.8



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.040 min Scan# 106
Delta R.T. 0.005 min
Lab File: VN067005.D
Acq: 6 May 2021 13:17

Tgt Ion: 50 Resp: 2073
Ion Ratio Lower Upper
50 100
52 31.1 25.8 38.8



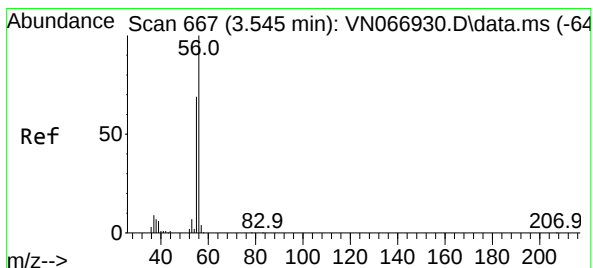
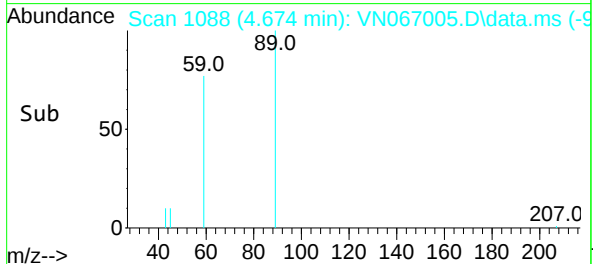
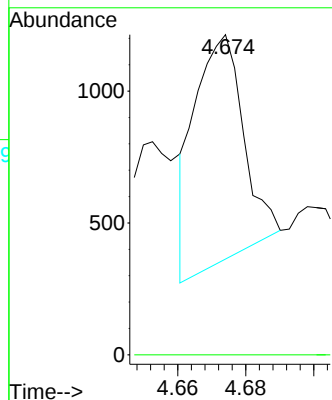
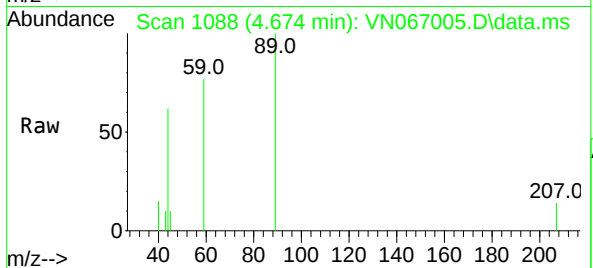


#11

Tert butyl alcohol
Concen: 0.82 ug/l
RT: 4.674 min Scan# 1088
Delta R.T. -0.038 min
Lab File: VN067005.D
Acq: 6 May 2021 13:17

Instrument :
MSVOA_N
ClientSampled :

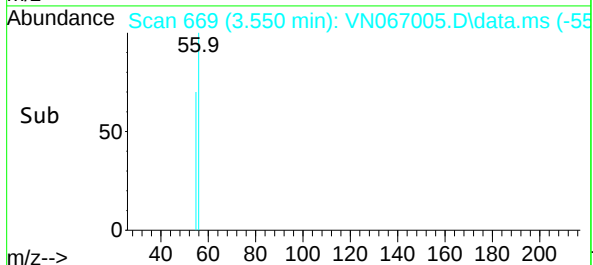
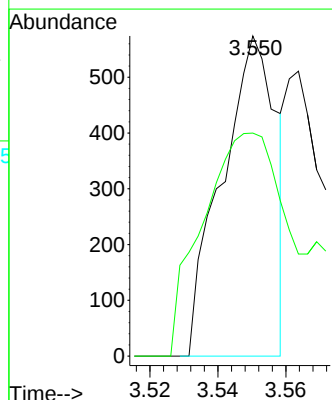
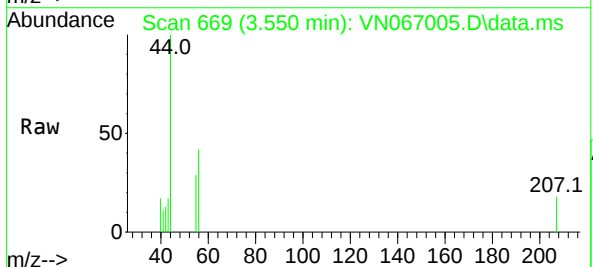
Tgt Ion: 59 Resp: 867
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

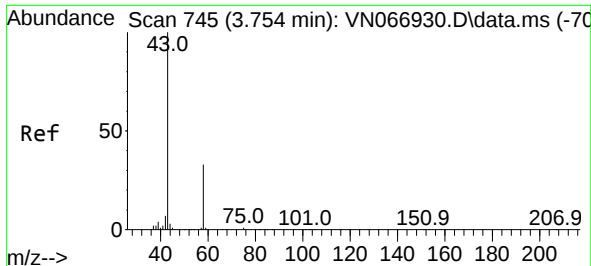


#13

Acrolein
Concen: 0.72 ug/l
RT: 3.550 min Scan# 669
Delta R.T. 0.005 min
Lab File: VN067005.D
Acq: 6 May 2021 13:17

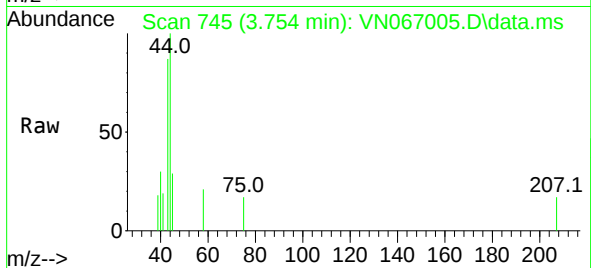
Tgt Ion: 56 Resp: 635
Ion Ratio Lower Upper
56 100
55 108.3 56.0 84.0#



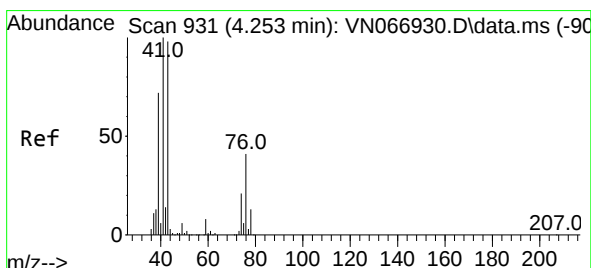
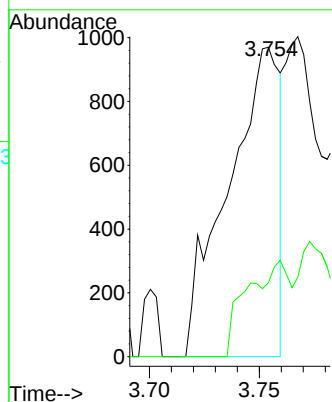
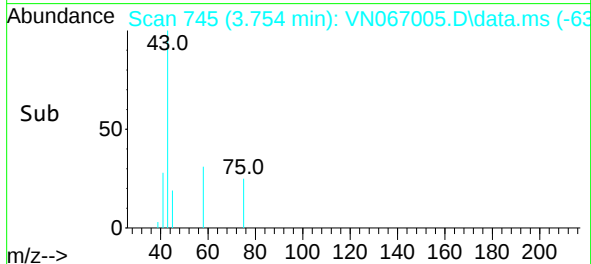


#16
Acetone
Concen: 0.60 ug/l
RT: 3.754 min Scan# 745
Delta R.T. 0.000 min
Lab File: VN067005.D
Acq: 6 May 2021 13:17

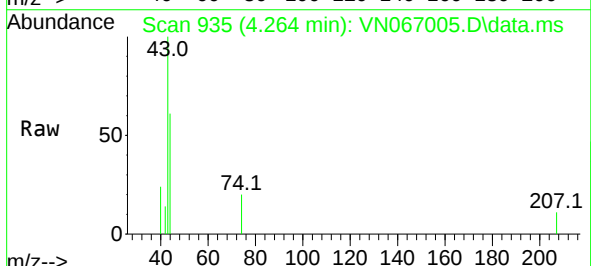
Instrument :
MSVOA_N
ClientSampled :



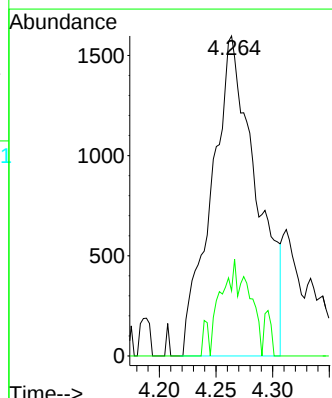
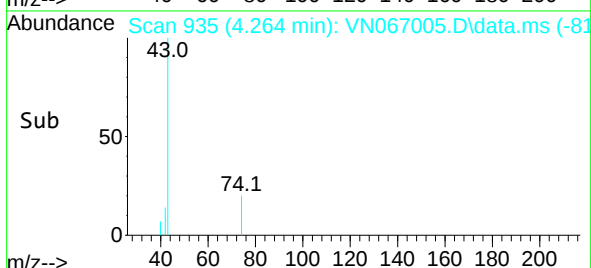
Tgt Ion: 43 Resp: 1584
Ion Ratio Lower Upper
43 100
58 23.9 27.0 40.6#

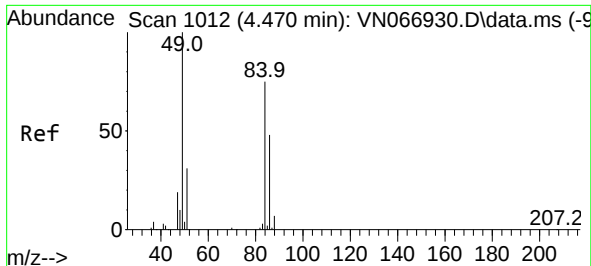


#18
Methyl Acetate
Concen: 0.58 ug/l
RT: 4.264 min Scan# 935
Delta R.T. 0.011 min
Lab File: VN067005.D
Acq: 6 May 2021 13:17



Tgt Ion: 43 Resp: 4390
Ion Ratio Lower Upper
43 100
74 12.1 19.5 29.3#





#20

Methylene Chloride

Concen: 0.50 ug/l

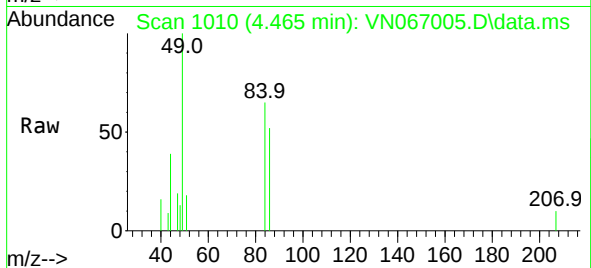
RT: 4.465 min Scan# 1010

Delta R.T. -0.005 min

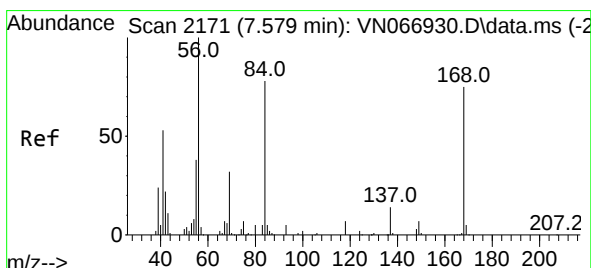
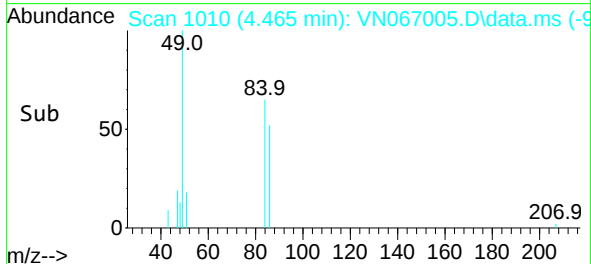
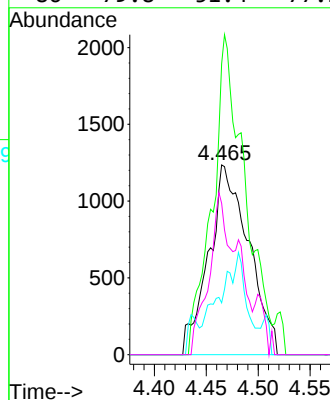
Lab File: VN067005.D

Acq: 6 May 2021 13:17

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	84	Resp:	3300
Ion	Ratio	Lower	Upper
84	100		
49	153.2	94.6	141.8#
51	27.3	29.9	44.9#
86	79.8	51.4	77.2#



#31

Cyclohexane

Concen: 1.02 ug/l

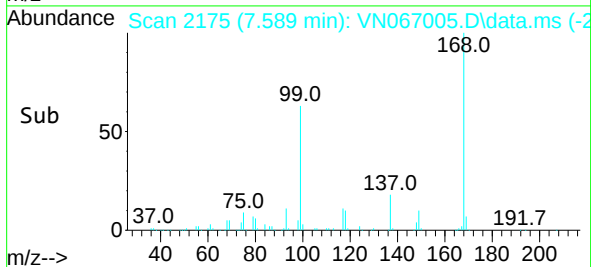
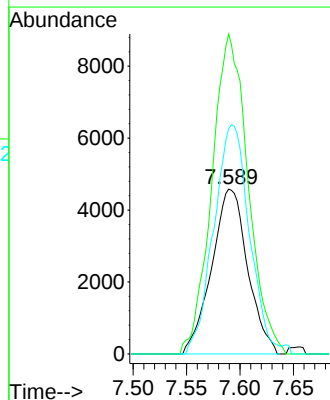
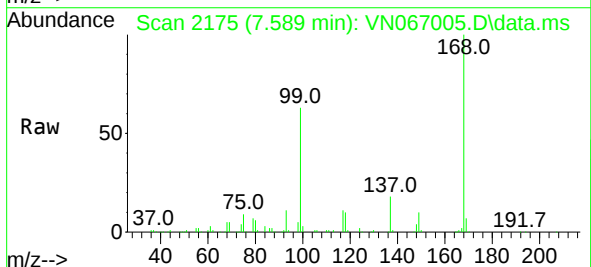
RT: 7.589 min Scan# 2175

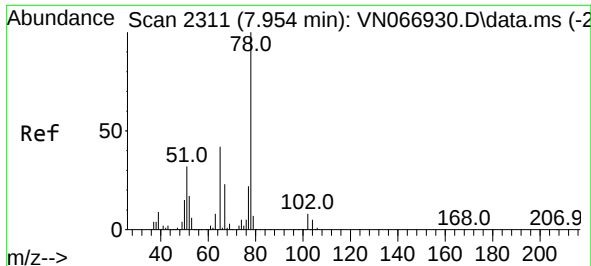
Delta R.T. 0.010 min

Lab File: VN067005.D

Acq: 6 May 2021 13:17

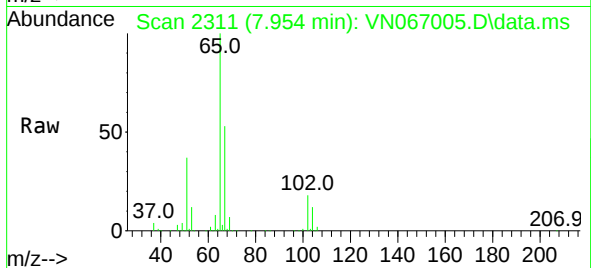
Tgt Ion:	56	Resp:	10748
Ion	Ratio	Lower	Upper
56	100		
69	194.2	26.6	39.8#
84	136.6	70.4	105.6#





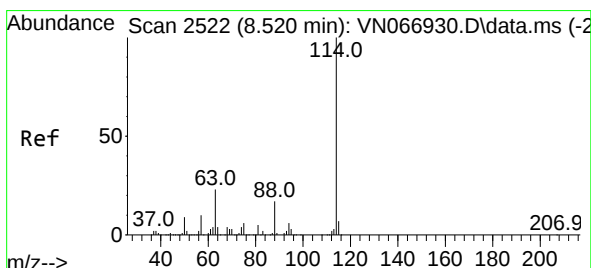
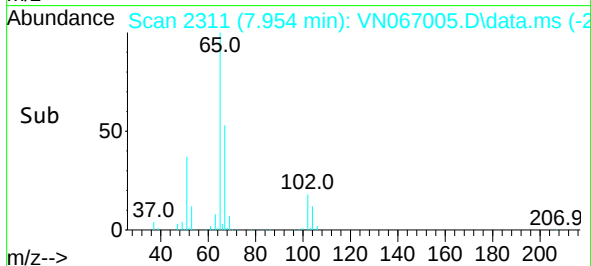
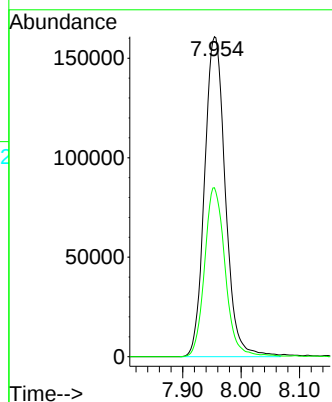
#33
 1,2-Dichloroethane-d4
 Concen: 53.29 ug/l
 RT: 7.954 min Scan# 2311
 Delta R.T. 0.000 min
 Lab File: VN067005.D
 Acq: 6 May 2021 13:17

Instrument :
 MSVOA_N
 ClientSampled :



Tgt Ion: 65 Resp: 397761

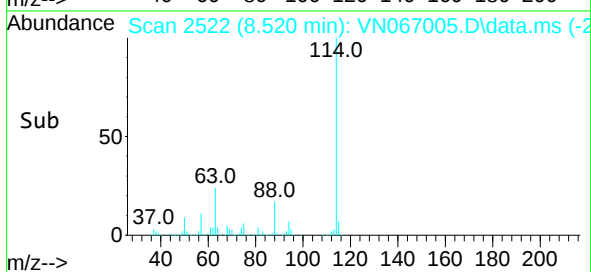
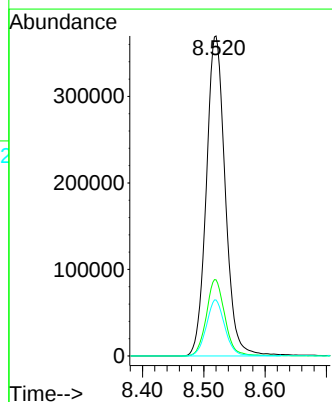
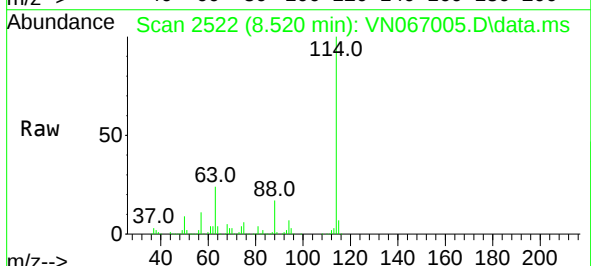
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	107.2

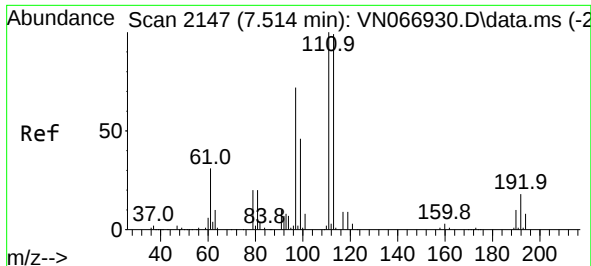


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.520 min Scan# 2522
 Delta R.T. -0.000 min
 Lab File: VN067005.D
 Acq: 6 May 2021 13:17

Tgt Ion: 114 Resp: 791730

Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	38.6
88	17.5	0.0	30.6

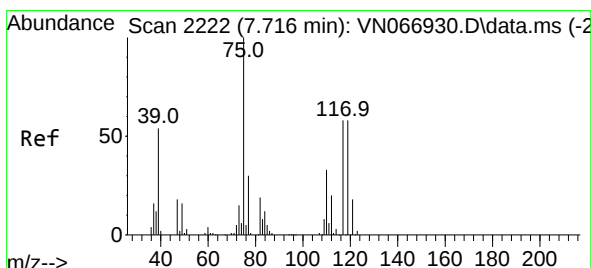
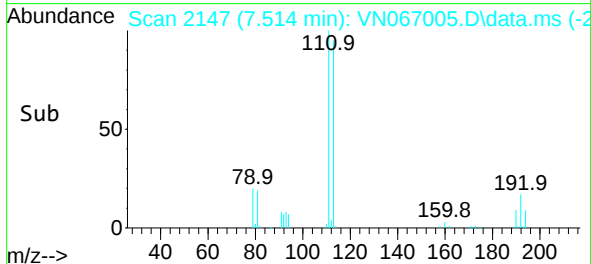
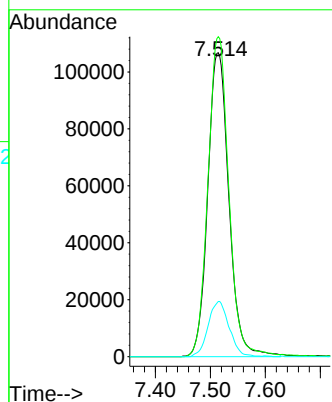
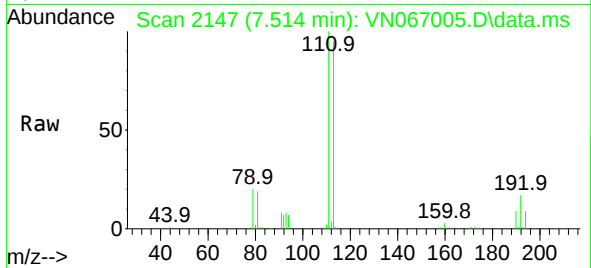




#35
Dibromofluoromethane
Concen: 52.97 ug/l
RT: 7.514 min Scan# 2147
Delta R.T. 0.000 min
Lab File: VN067005.D
Acq: 6 May 2021 13:17

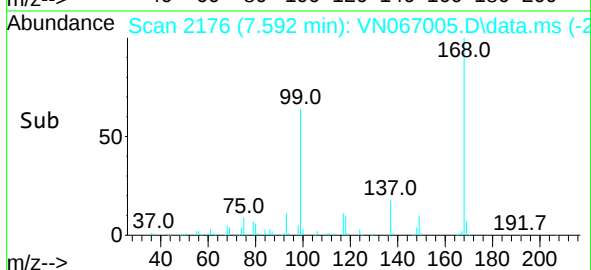
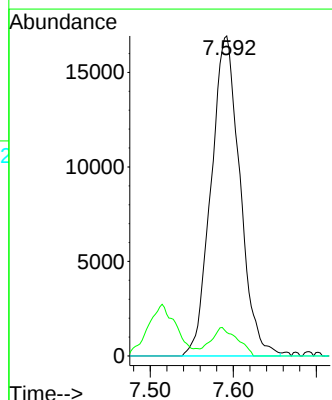
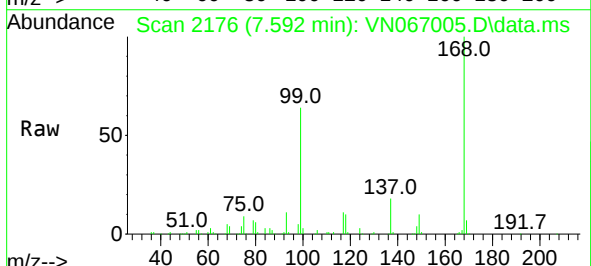
Instrument :
MSVOA_N
ClientSampled :

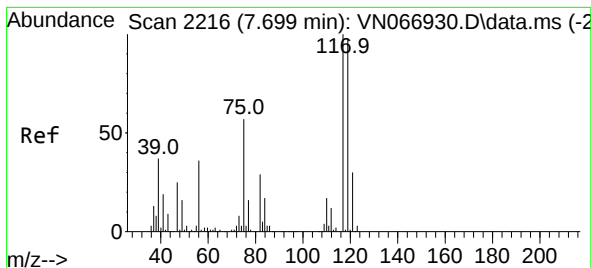
Tgt Ion:113 Resp: 284805
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 18.1 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.94 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.124 min
Lab File: VN067005.D
Acq: 6 May 2021 13:17

Tgt Ion: 75 Resp: 40761
Ion Ratio Lower Upper
75 100
110 8.1 18.2 54.6#
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.90 ug/l

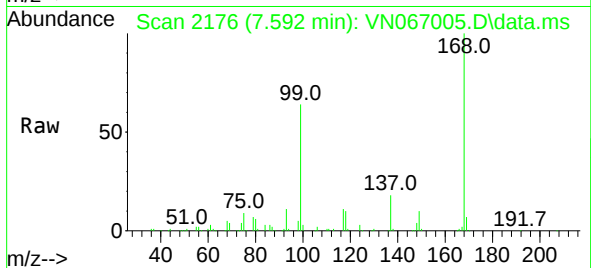
RT: 7.592 min Scan# 2176

Delta R.T. -0.107 min

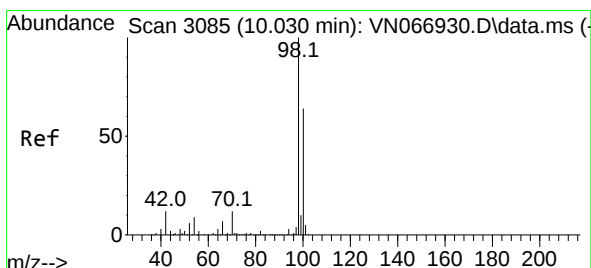
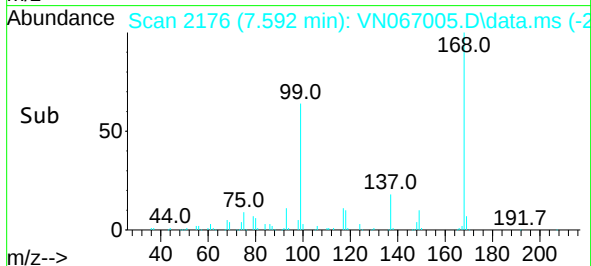
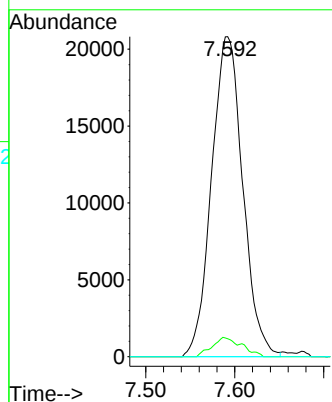
Lab File: VN067005.D

Acq: 6 May 2021 13:17

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	117	Resp:	50697
Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.0	114.0#
121	0.0	24.5	36.7#



#50

Toluene-d8

Concen: 52.79 ug/l

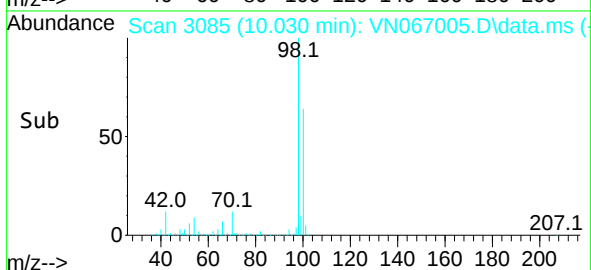
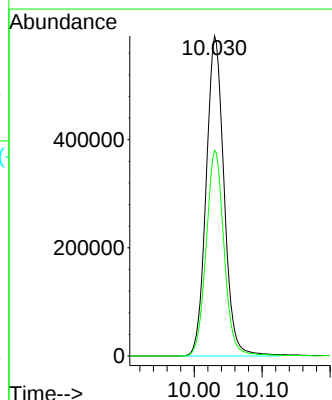
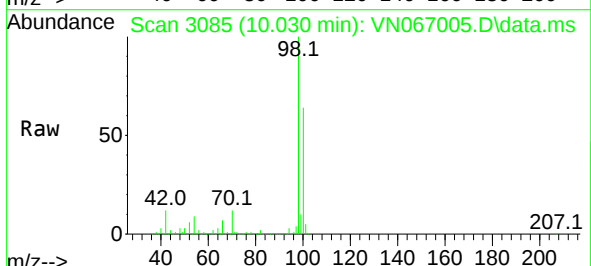
RT: 10.030 min Scan# 3085

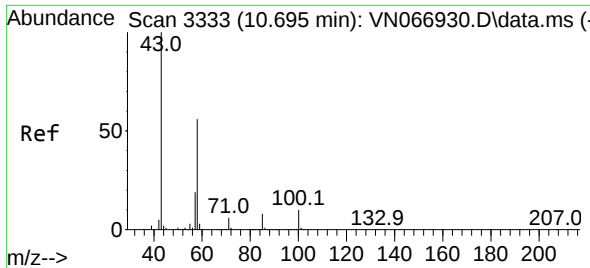
Delta R.T. -0.000 min

Lab File: VN067005.D

Acq: 6 May 2021 13:17

Tgt Ion:	98	Resp:	1080870
Ion	Ratio	Lower	Upper
98	100		
100	64.6	50.5	75.7

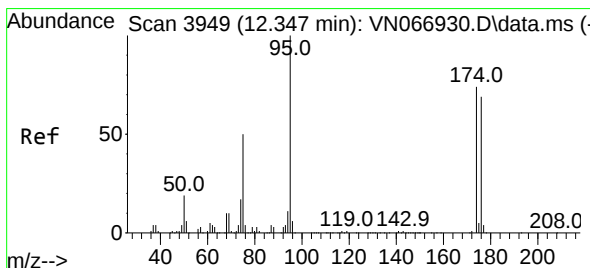
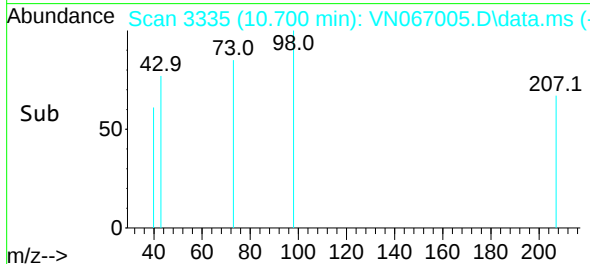
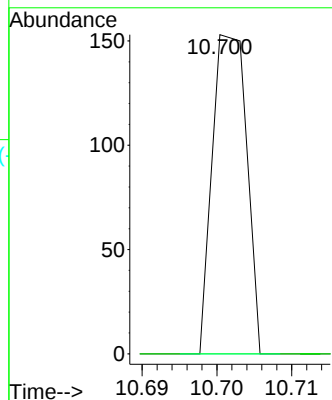
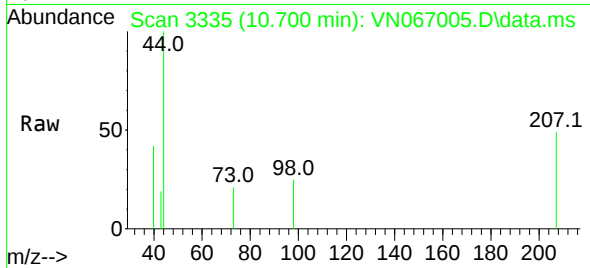




#59
2-Hexanone
Concen: 28.37 ug/l
RT: 10.700 min Scan# 3335
Delta R.T. 0.005 min
Lab File: VN067005.D
Acq: 6 May 2021 13:17

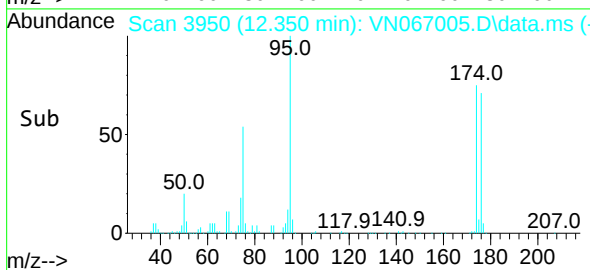
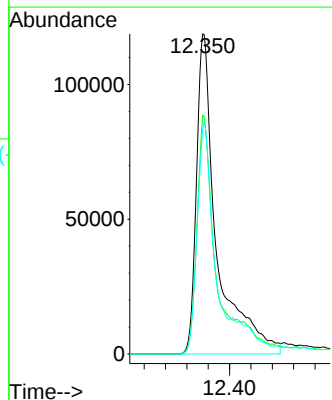
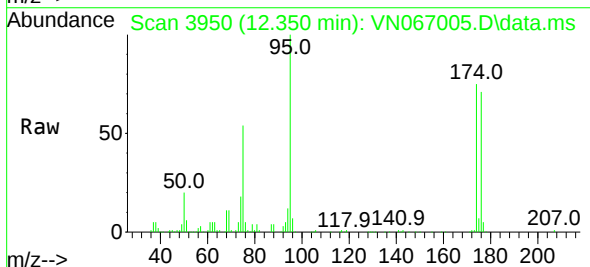
Instrument :
MSVOA_N
ClientSampled :

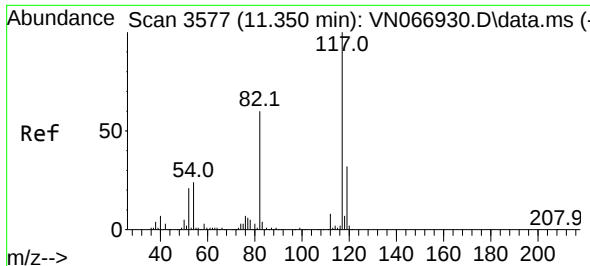
Tgt Ion: 43 Resp: 49
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 45.60 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN067005.D
Acq: 6 May 2021 13:17

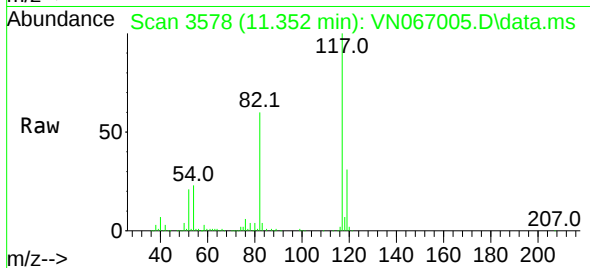
Tgt Ion: 95 Resp: 316144
Ion Ratio Lower Upper
95 100
174 61.3 0.0 169.0
176 56.9 0.0 162.4



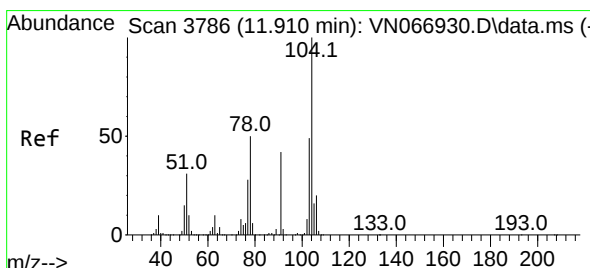
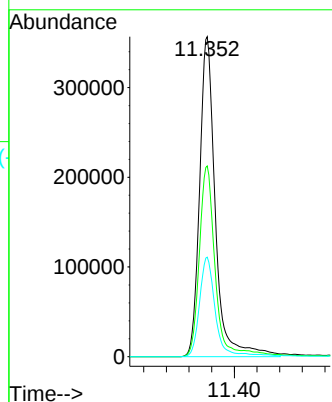
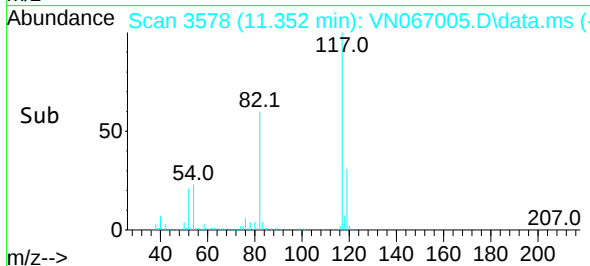


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.002 min
Lab File: VN067005.D
Acq: 6 May 2021 13:17

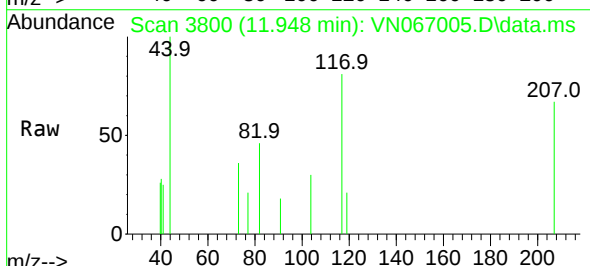
Instrument :
MSVOA_N
ClientSampled :



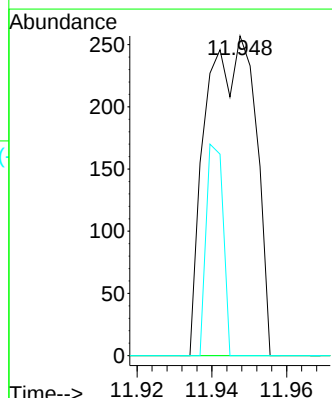
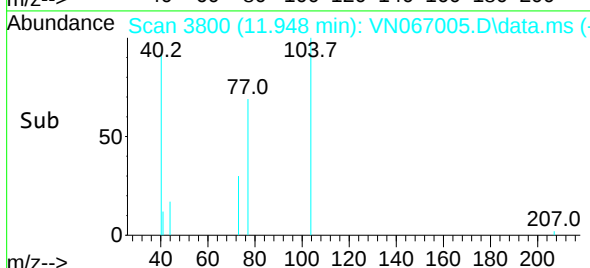
Tgt Ion:117 Resp: 688378
Ion Ratio Lower Upper
117 100
82 59.6 43.7 65.5
119 31.1 26.1 39.1

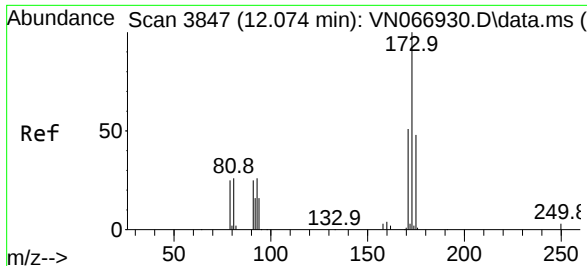


#70
Styrene
Concen: 4.72 ug/l
RT: 11.948 min Scan# 3800
Delta R.T. 0.038 min
Lab File: VN067005.D
Acq: 6 May 2021 13:17



Tgt Ion:104 Resp: 238
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 22.3 44.5 66.7#

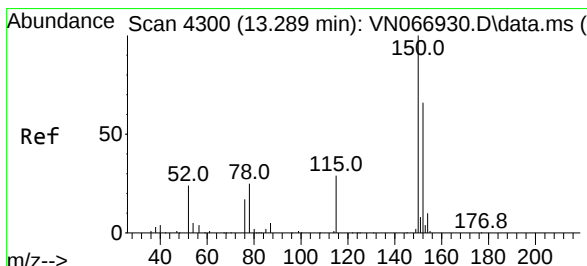
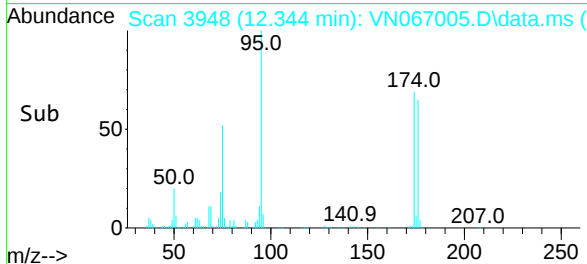
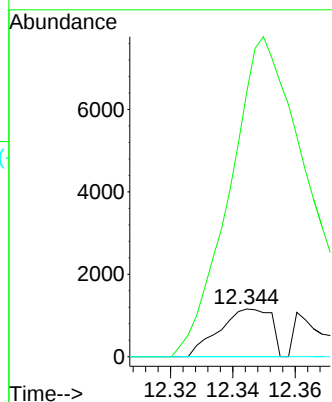
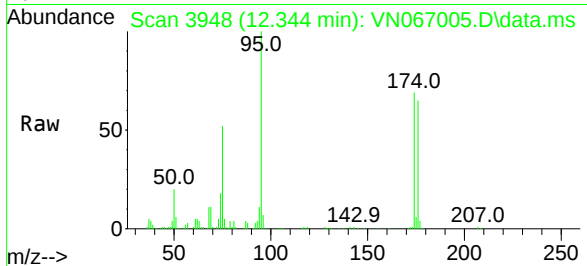




#71
Bromoform
Concen: 0.32 ug/l
RT: 12.344 min Scan# 3948
Delta R.T. 0.270 min
Lab File: VN067005.D
Acq: 6 May 2021 13:17

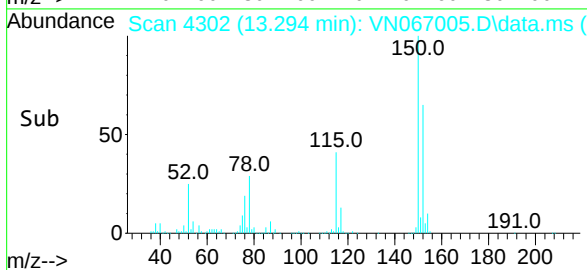
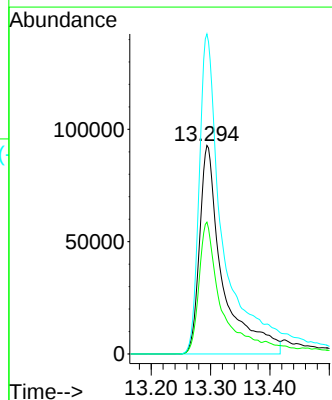
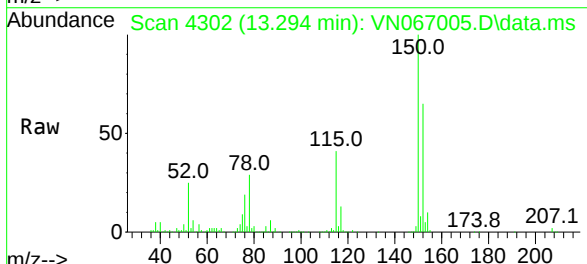
Instrument :
MSVOA_N
ClientSampled :

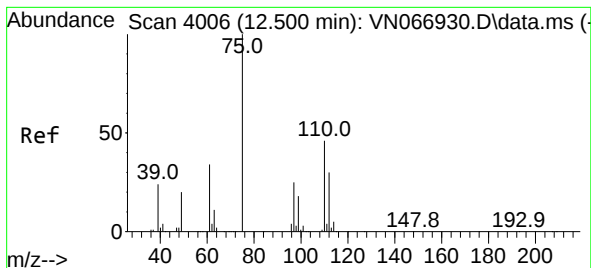
Tgt Ion:173 Resp: 1336
Ion Ratio Lower Upper
173 100
175 841.1 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN067005.D
Acq: 6 May 2021 13:17

Tgt Ion:152 Resp: 251883
Ion Ratio Lower Upper
152 100
115 59.4 28.5 85.6
150 165.0 0.0 347.6

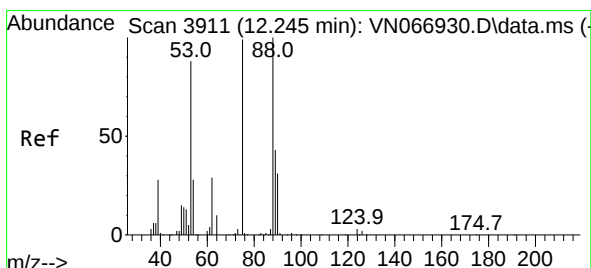
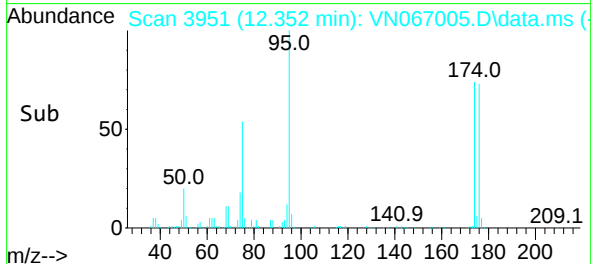
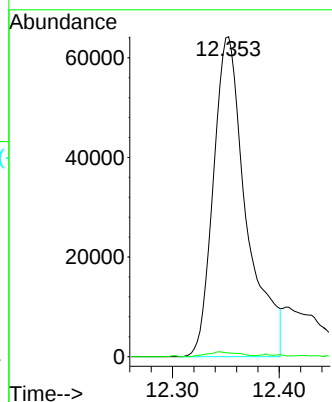
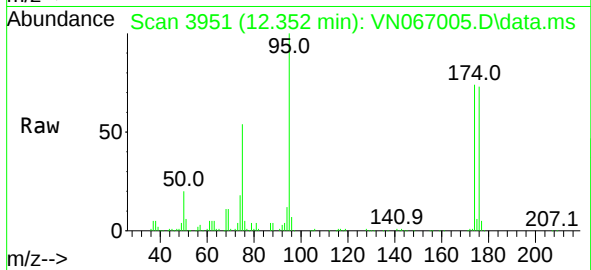




#76
1,2,3-Trichloropropane
Concen: 22.96 ug/l
RT: 12.352 min Scan# 3951
Delta R.T. -0.148 min
Lab File: VN067005.D
Acq: 6 May 2021 13:17

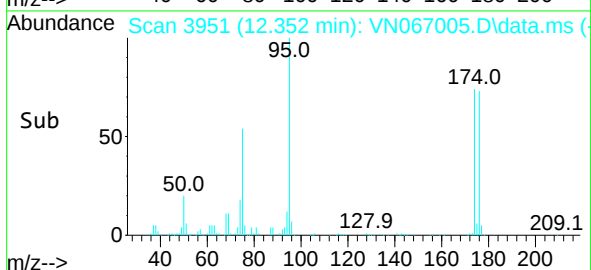
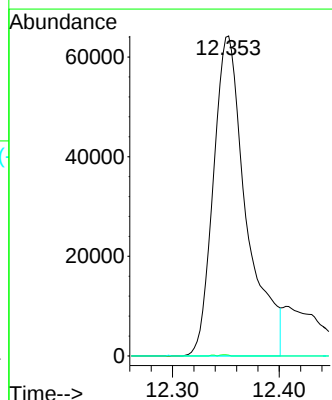
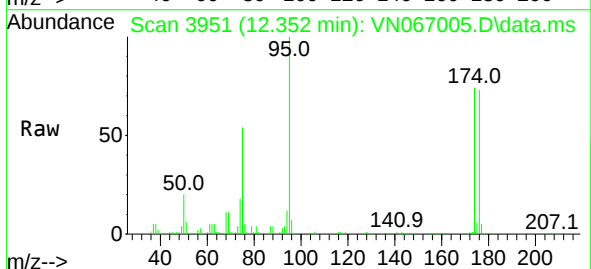
Instrument :
MSVOA_N
ClientSampleId :

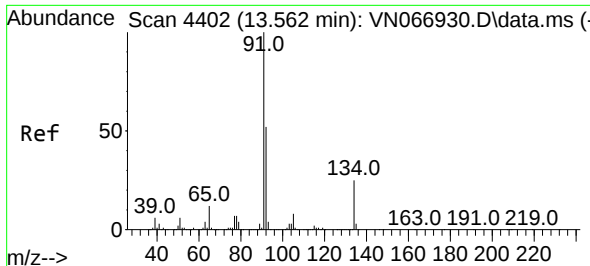
Tgt Ion: 75 Resp: 137774
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.55 ug/l
RT: 12.352 min Scan# 3951
Delta R.T. 0.107 min
Lab File: VN067005.D
Acq: 6 May 2021 13:17

Tgt Ion: 75 Resp: 137774
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 0.0 35.8 53.8#

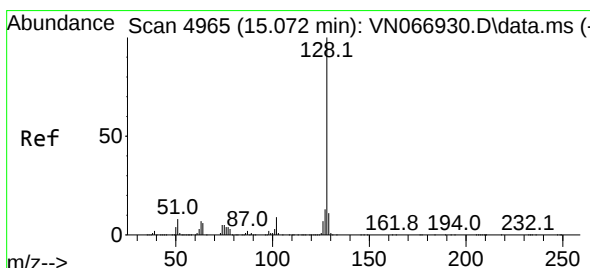
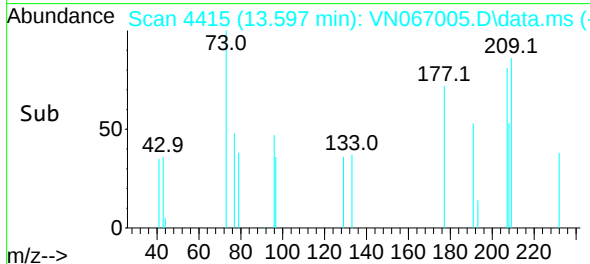
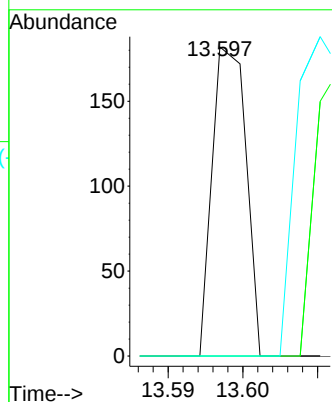
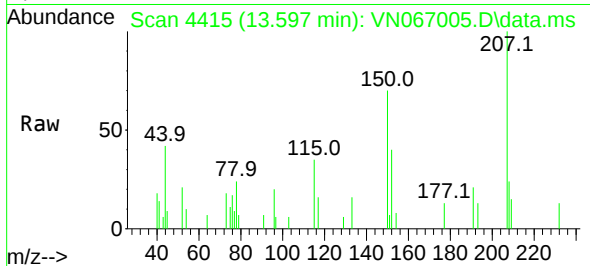




#89
n-Butylbenzene
Concen: 5.24 ug/l
RT: 13.597 min Scan# 4415
Delta R.T. 0.035 min
Lab File: VN067005.D
Acq: 6 May 2021 13:17

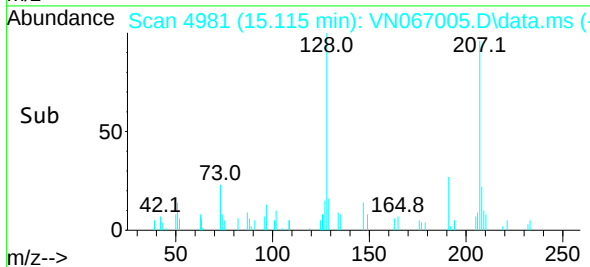
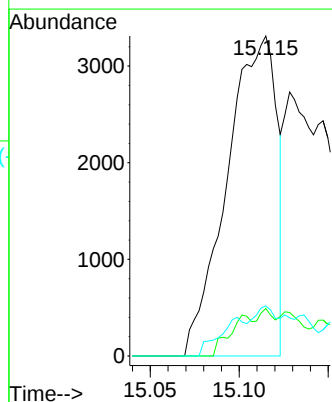
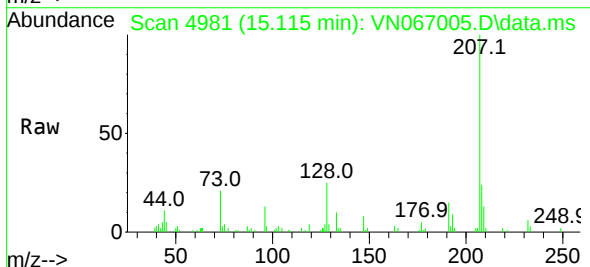
Instrument :
MSVOA_N
ClientSampled :

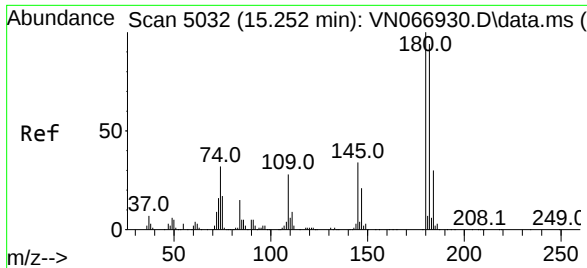
Tgt Ion: 91 Resp: 57
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 0.0 13.0 38.9#



#95
Naphthalene
Concen: 0.58 ug/l
RT: 15.115 min Scan# 4981
Delta R.T. 0.043 min
Lab File: VN067005.D
Acq: 6 May 2021 13:17

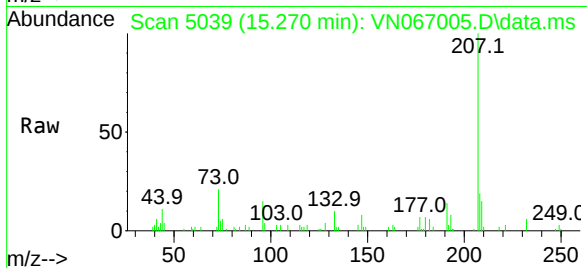
Tgt Ion: 128 Resp: 6422
Ion Ratio Lower Upper
128 100
127 1.2 10.2 15.2#
129 2.7 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.44 ug/l
 RT: 15.270 min Scan# 5039
 Delta R.T. 0.018 min
 Lab File: VN067005.D
 Acq: 6 May 2021 13:17

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1795
 Ion Ratio Lower Upper
 180 100
 182 108.6 47.4 142.3
 145 54.5 16.5 49.5#

