

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051021\
 Data File : VN067075.D
 Acq On : 10 May 2021 16:32
 Operator : JC/MD
 Sample : M2323-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 11 01:48:07 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

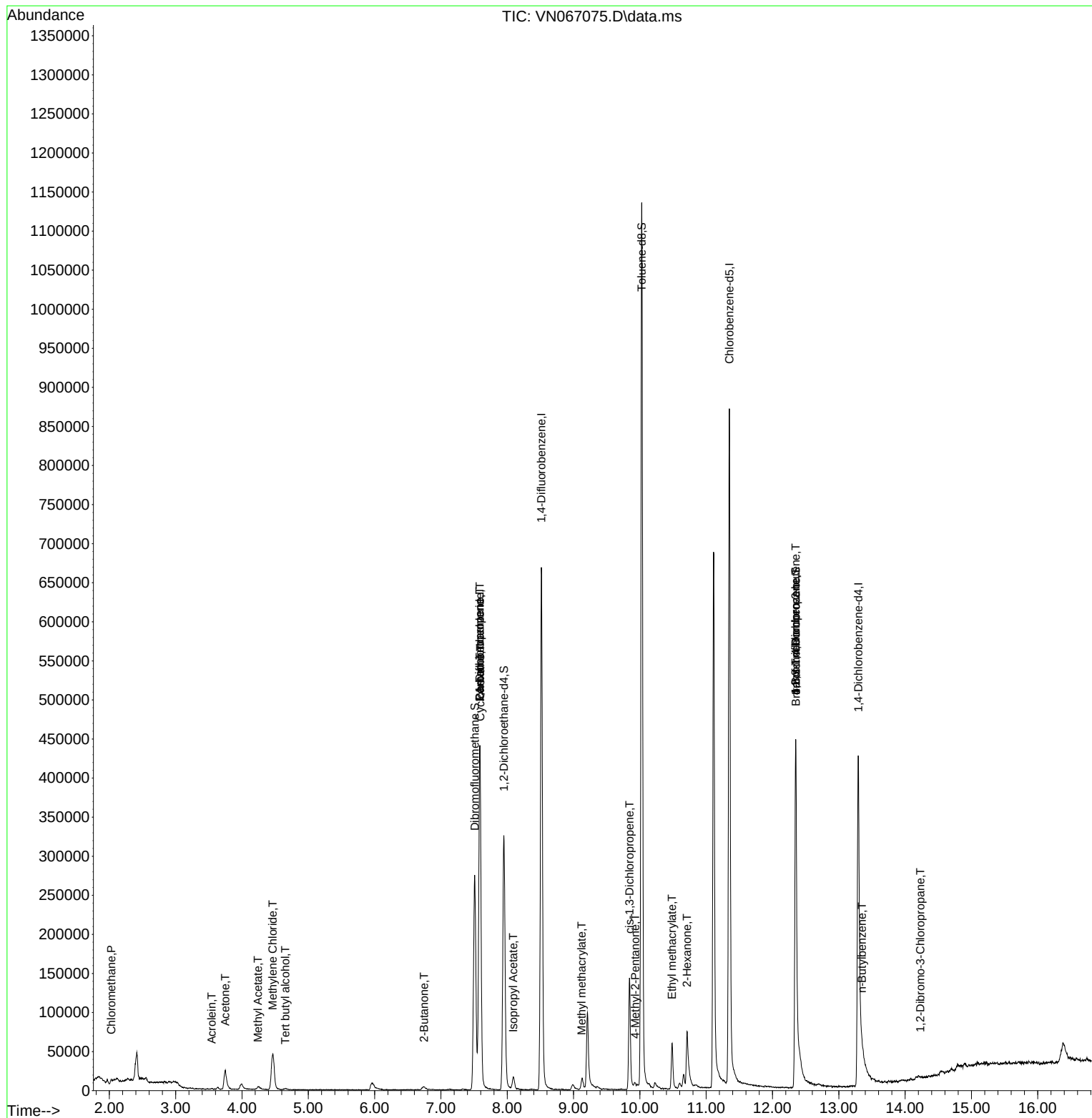
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.587	168	340607	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.515	114	570837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	505576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	166401	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	295340	55.09	ug/l	0.00
Spiked Amount 50.000	Range 61	- 141	Recovery	=	110.18%	
35) Dibromofluoromethane	7.509	113	213127	54.98	ug/l	0.00
Spiked Amount 50.000	Range 69	- 133	Recovery	=	109.96%	
50) Toluene-d8	10.027	98	787098	53.32	ug/l	0.00
Spiked Amount 50.000	Range 65	- 126	Recovery	=	106.64%	
62) 4-Bromofluorobenzene	12.350	95	221736	44.36	ug/l	0.00
Spiked Amount 50.000	Range 58	- 135	Recovery	=	88.72%	
Target Compounds						Qvalue
3) Chloromethane	2.027	50	3615	0.55	ug/l	94
11) Tert butyl alcohol	4.653	59	794	1.05	ug/l #	73
13) Acrolein	3.542	56	540	0.86	ug/l #	15
16) Acetone	3.746	43	38386	20.35	ug/l	95
18) Methyl Acetate	4.240	43	3914	0.73	ug/l	96
20) Methylene Chloride	4.462	84	34928	7.30	ug/l	96
25) 2-Butanone	6.745	43	678	0.24	ug/l #	89
31) Cyclohexane	7.592	56	8387	1.11	ug/l #	7
36) 1,1-Dichloropropene	7.584	75	30534	5.14	ug/l #	48
38) Carbon Tetrachloride	7.587	117	36209	5.84	ug/l #	17
43) Isopropyl Acetate	8.091	43	20248	2.06	ug/l #	86
48) Methyl methacrylate	9.124	41	6392	1.47	ug/l #	17
51) 4-Methyl-2-Pentanone	9.928	43	2330	0.41	ug/l #	20
54) cis-1,3-Dichloropropene	9.842	75	26527	3.39	ug/l #	66
56) Ethyl methacrylate	10.483	69	270	5.23	ug/l #	1
59) 2-Hexanone	10.711	43	13397	31.22	ug/l #	52
71) Bromoform	12.353	173	1743	0.57	ug/l #	1
76) 1,2,3-Trichloropropane	12.350	75	119030	30.03	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	119030	89.25	ug/l #	12
89) n-Butylbenzene	13.348	91	25	5.24	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.230	75	191	0.24	ug/l #	1

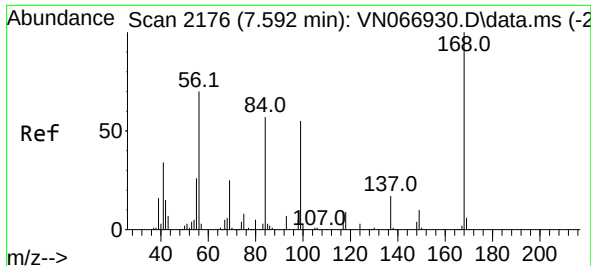
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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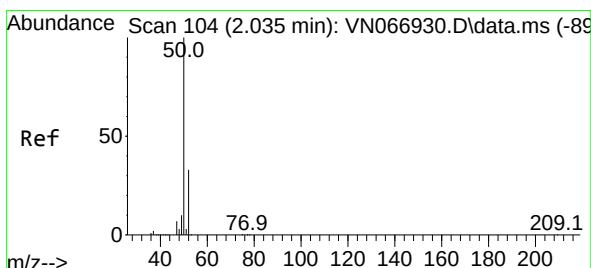
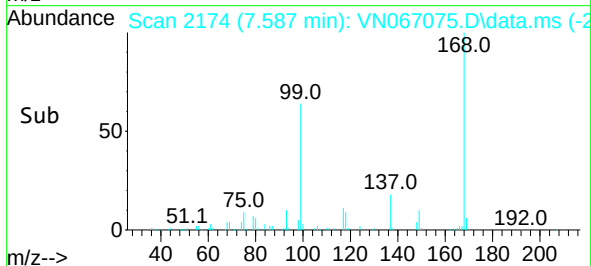
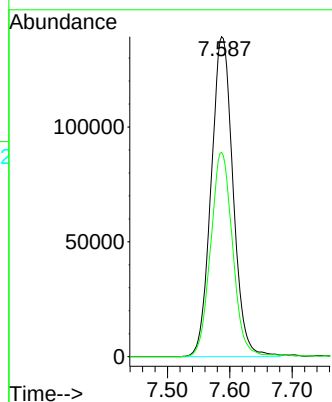
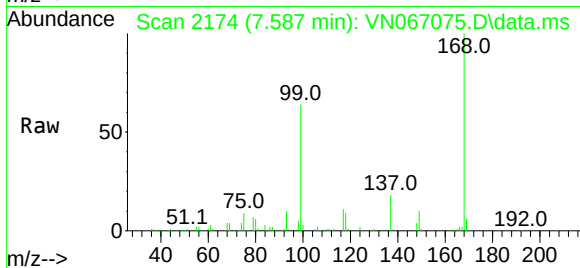




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. -0.005 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

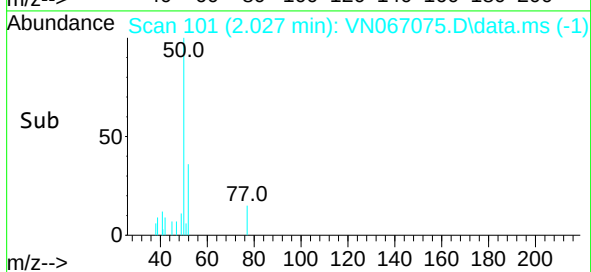
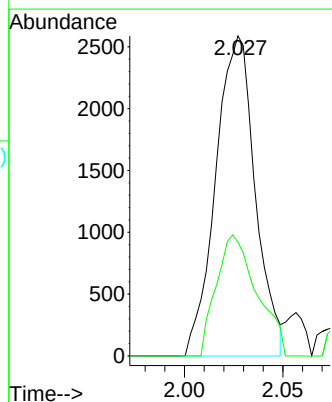
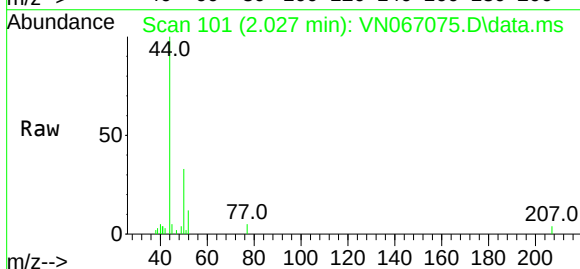
Instrument :
MSVOA_N
ClientSampleId :

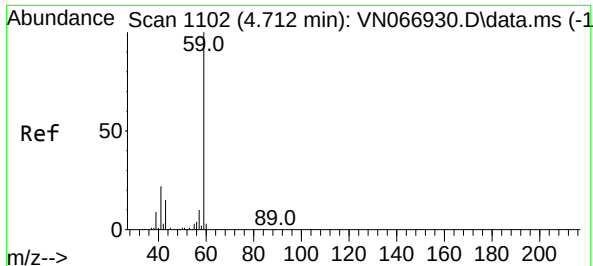
Tgt Ion:168 Resp: 340607
Ion Ratio Lower Upper
168 100
99 63.9 42.6 63.8#



#3
Chloromethane
Concen: 0.55 ug/l
RT: 2.027 min Scan# 101
Delta R.T. -0.008 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

Tgt Ion: 50 Resp: 3615
Ion Ratio Lower Upper
50 100
52 35.5 25.8 38.8

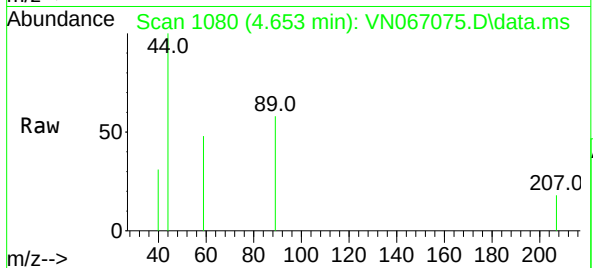




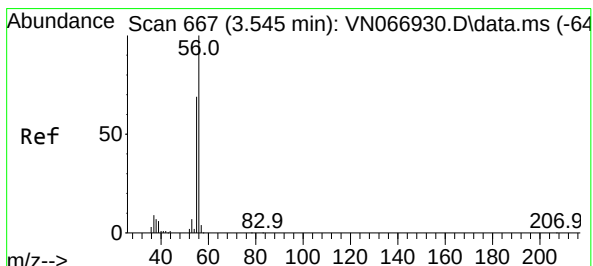
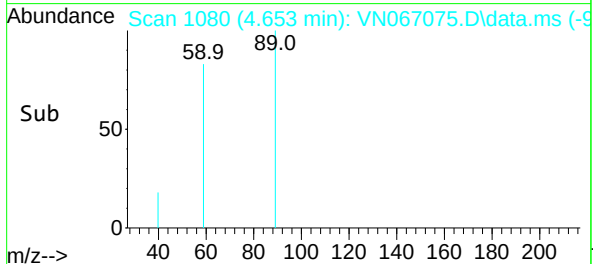
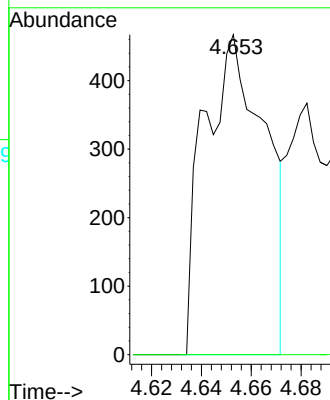
#11

Tert butyl alcohol
Concen: 1.05 ug/l
RT: 4.653 min Scan# 1080
Delta R.T. -0.059 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

Instrument :
MSVOA_N
ClientSampled :

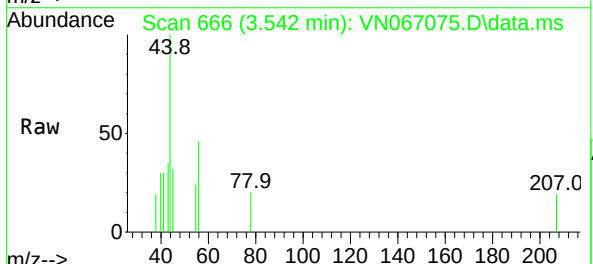


Tgt Ion: 59 Resp: 794
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

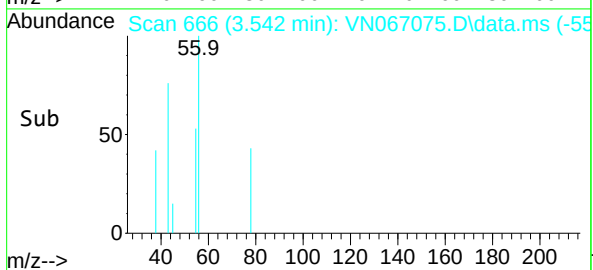
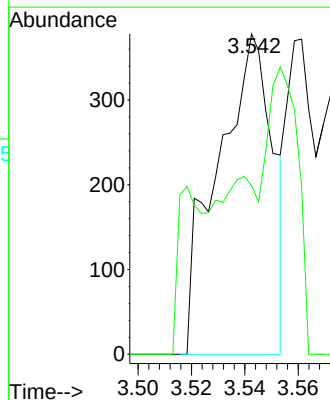


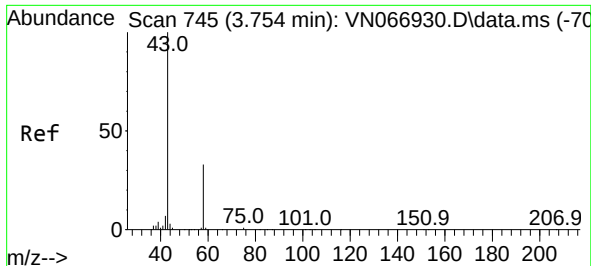
#13

Acrolein
Concen: 0.86 ug/l
RT: 3.542 min Scan# 666
Delta R.T. -0.003 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32



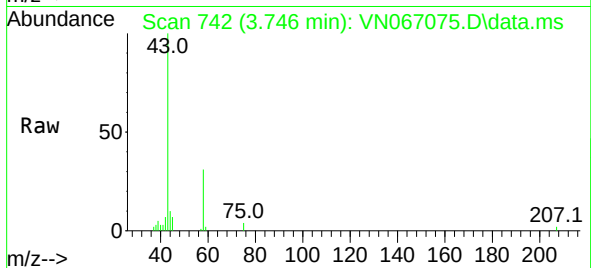
Tgt Ion: 56 Resp: 540
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#



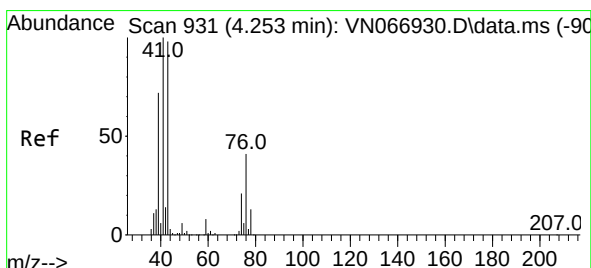
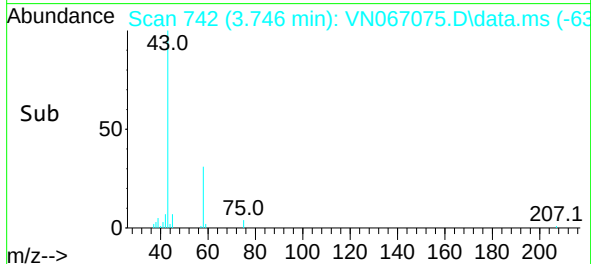
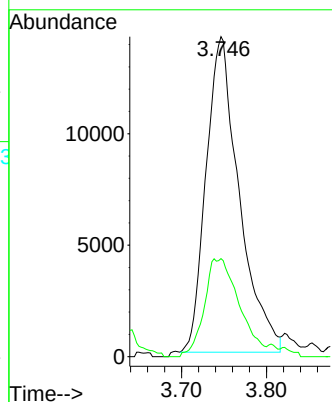


#16
Acetone
Concen: 20.35 ug/l
RT: 3.746 min Scan# 742
Delta R.T. -0.008 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

Instrument :
MSVOA_N
ClientSampleId :

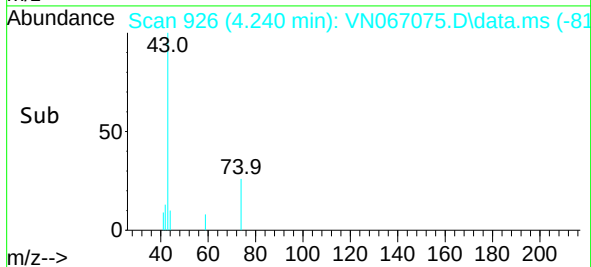
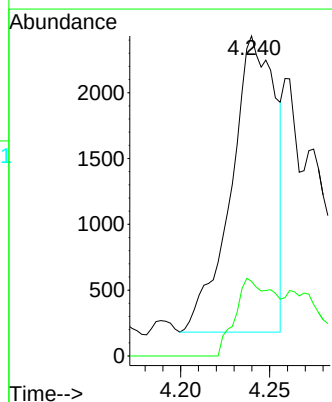
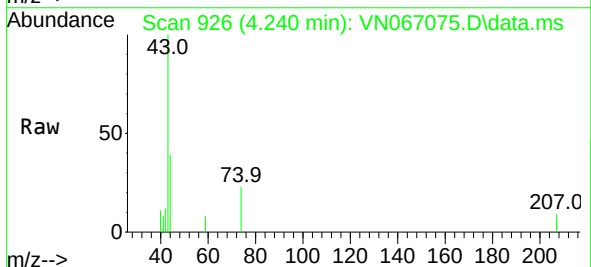


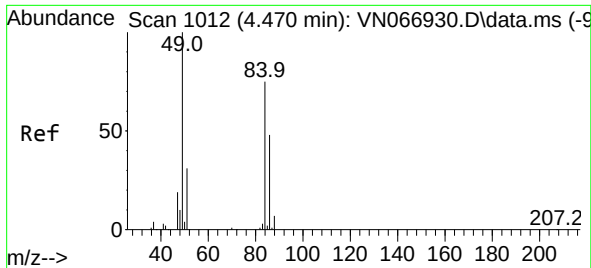
Tgt Ion: 43 Resp: 38386
Ion Ratio Lower Upper
43 100
58 31.1 27.0 40.6



#18
Methyl Acetate
Concen: 0.73 ug/l
RT: 4.240 min Scan# 926
Delta R.T. -0.013 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

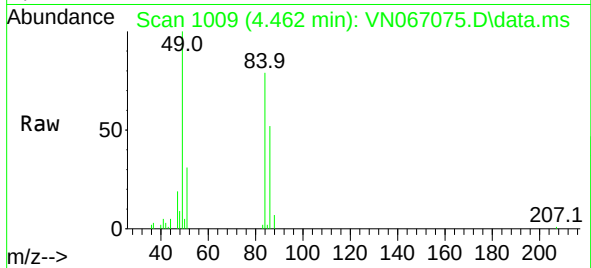
Tgt Ion: 43 Resp: 3914
Ion Ratio Lower Upper
43 100
74 22.6 19.5 29.3



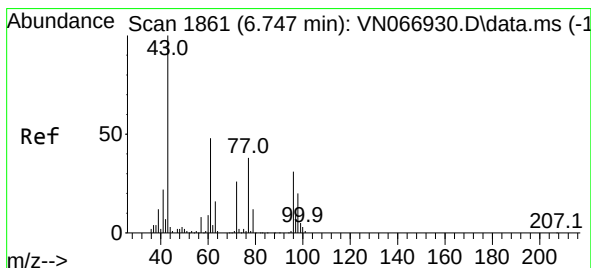
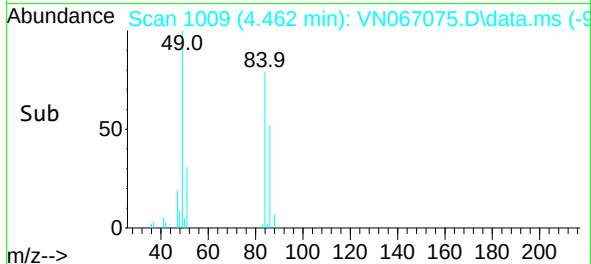
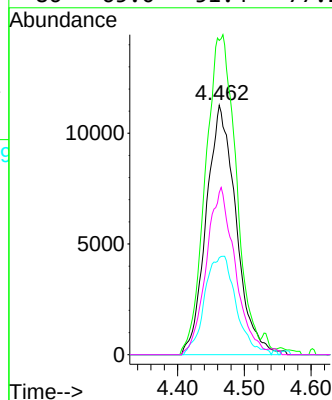


#20
Methylene Chloride
Concen: 7.30 ug/l
RT: 4.462 min Scan# 1009
Delta R.T. -0.008 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

Instrument :
MSVOA_N
ClientSampleId :

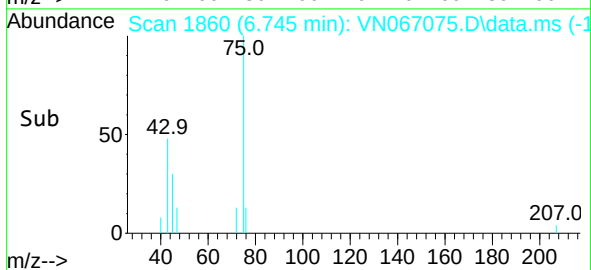
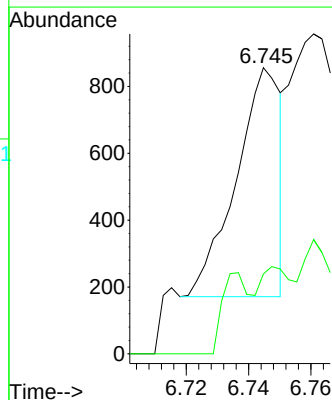
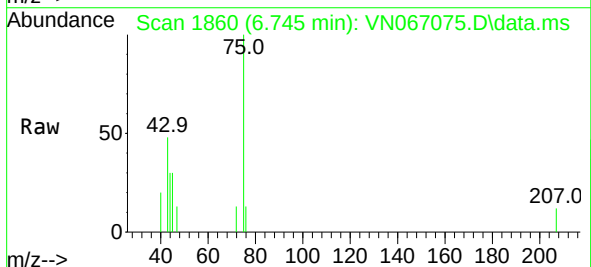


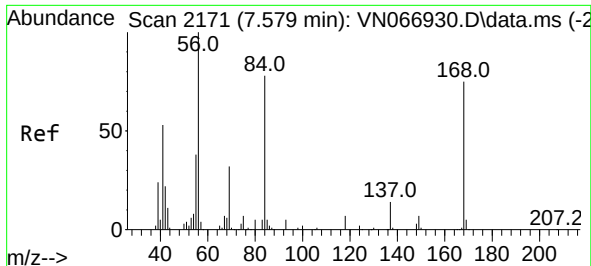
Tgt Ion:	84	Resp:	34928
Ion	Ratio	Lower	Upper
84	100		
49	125.9	94.6	141.8
51	38.8	29.9	44.9
86	65.0	51.4	77.2



#25
2-Butanone
Concen: 0.24 ug/l
RT: 6.745 min Scan# 1860
Delta R.T. -0.002 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

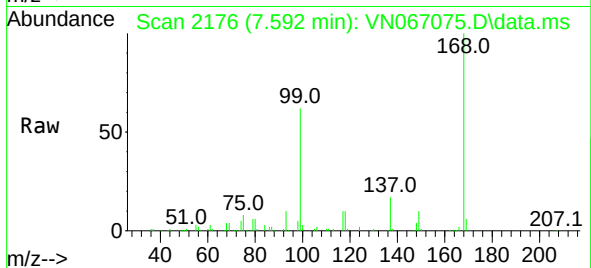
Tgt Ion:	43	Resp:	678
Ion	Ratio	Lower	Upper
43	100		
72	34.9	23.1	34.7#



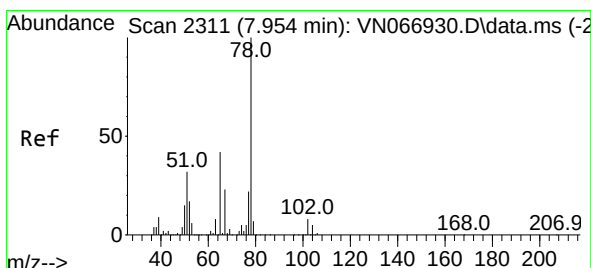
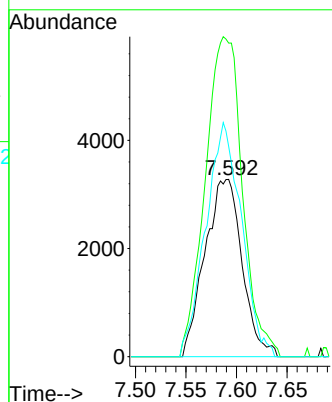
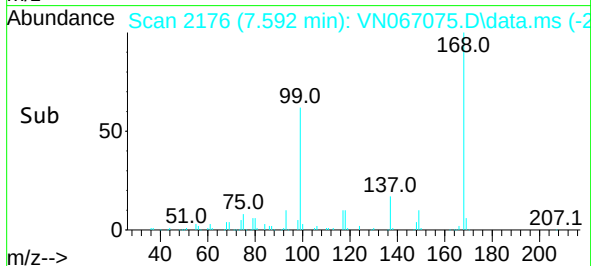


#31
Cyclohexane
Concen: 1.11 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.013 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

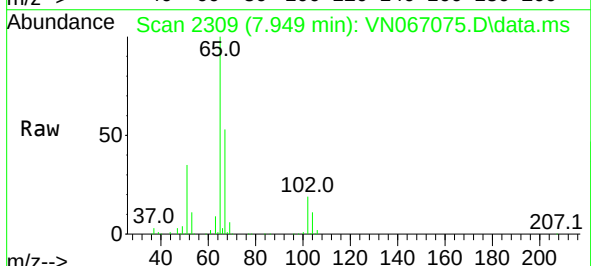
Instrument :
MSVOA_N
ClientSampleId :



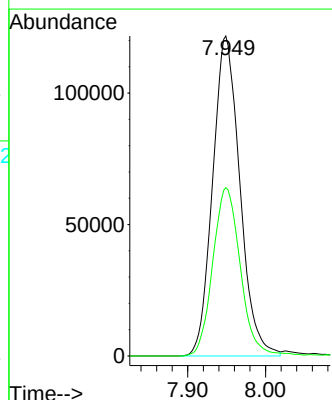
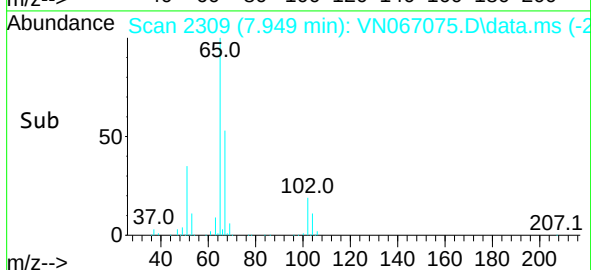
Tgt Ion: 56 Resp: 8387
Ion Ratio Lower Upper
56 100
69 177.0 26.6 39.8#
84 118.6 70.4 105.6#

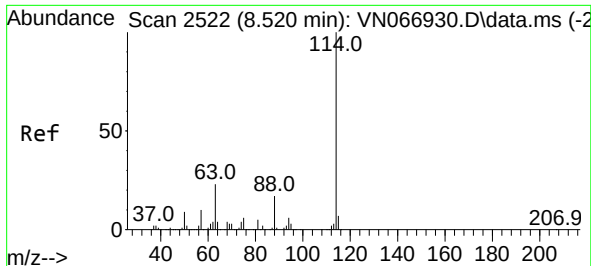


#33
1,2-Dichloroethane-d4
Concen: 55.09 ug/l
RT: 7.949 min Scan# 2309
Delta R.T. -0.005 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32



Tgt Ion: 65 Resp: 295340
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.515 min Scan# 2520

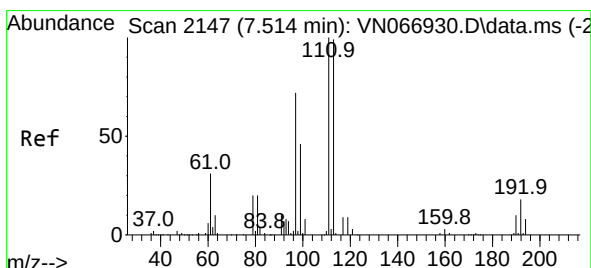
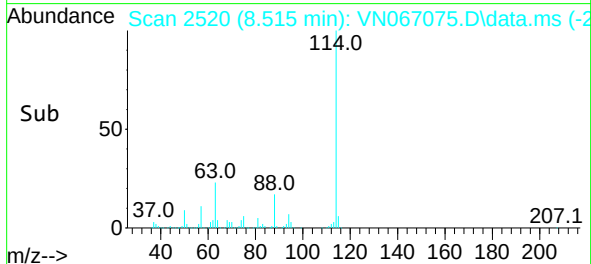
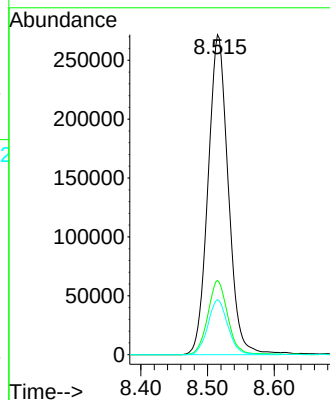
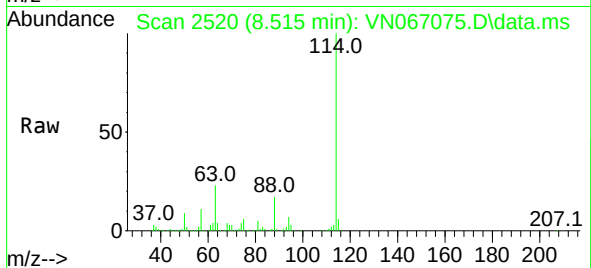
Delta R.T. -0.005 min

Lab File: VN067075.D

Acq: 10 May 2021 16:32

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:114	Resp: 570837
Ion Ratio	Lower Upper
114 100	
63 23.2	0.0 38.6
88 17.2	0.0 30.6



#35

Dibromofluoromethane

Concen: 54.98 ug/l

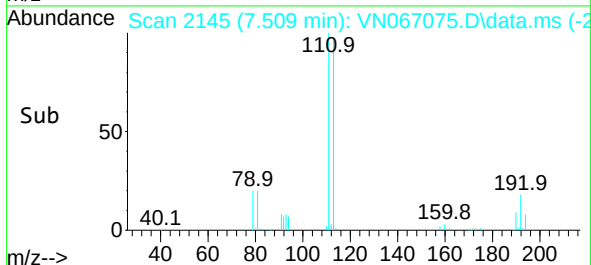
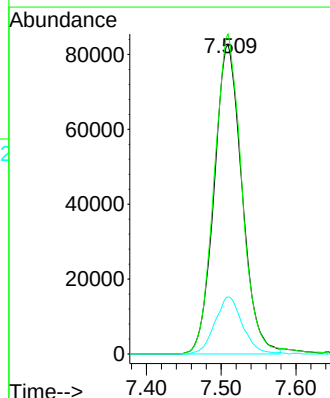
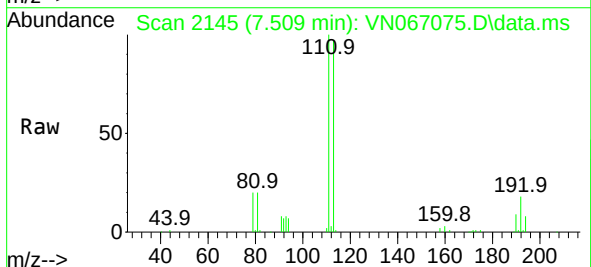
RT: 7.509 min Scan# 2145

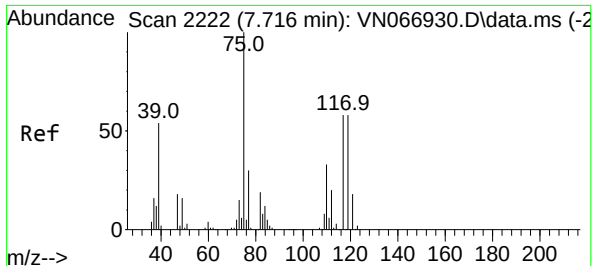
Delta R.T. -0.005 min

Lab File: VN067075.D

Acq: 10 May 2021 16:32

Tgt Ion:113	Resp: 213127
Ion Ratio	Lower Upper
113 100	
111 103.1	82.2 123.2
192 18.3	15.4 23.0

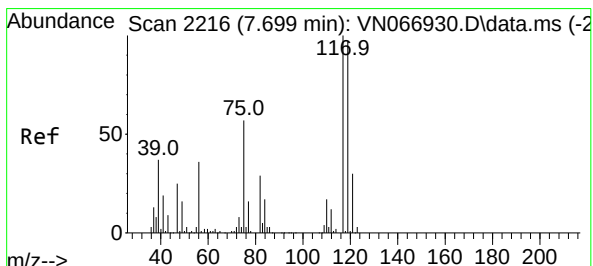
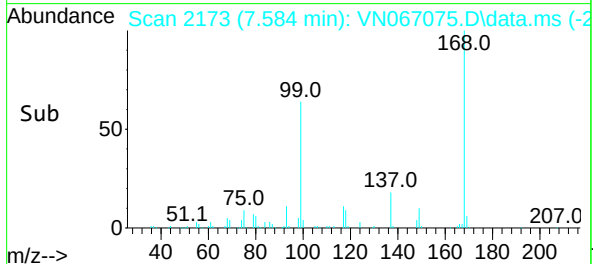
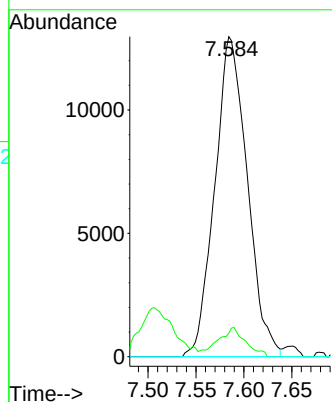
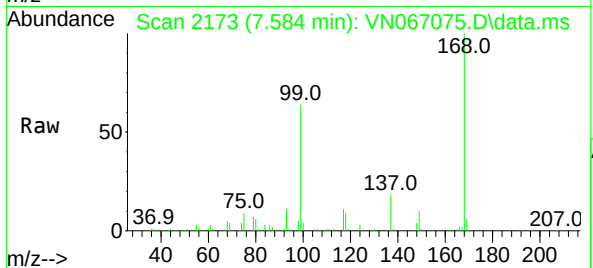




#36
1,1-Dichloropropene
Concen: 5.14 ug/l
RT: 7.584 min Scan# 2173
Delta R.T. -0.132 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

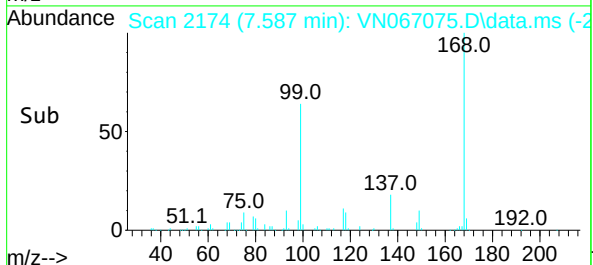
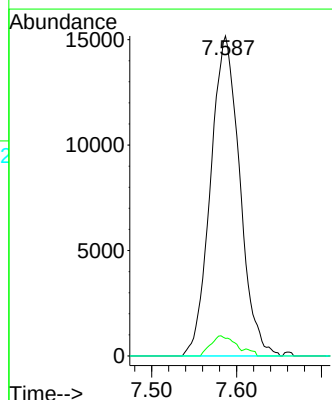
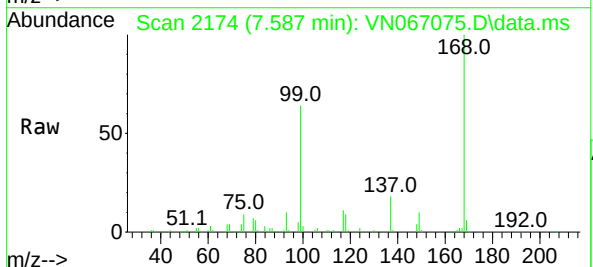
Instrument :
MSVOA_N
ClientSampleId :

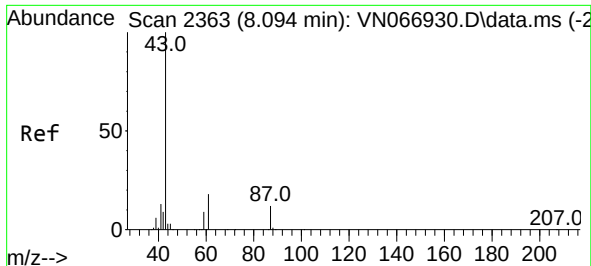
Tgt Ion: 75 Resp: 30534
Ion Ratio Lower Upper
75 100
110 7.7 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.84 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. -0.112 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

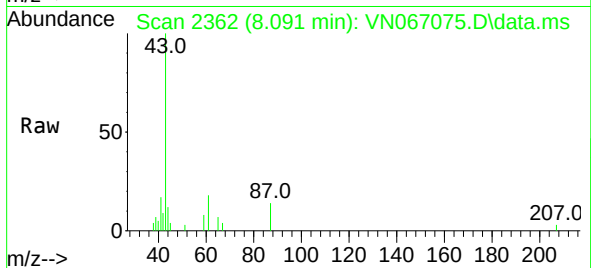
Tgt Ion: 117 Resp: 36209
Ion Ratio Lower Upper
117 100
119 5.5 76.0 114.0#
121 0.0 24.5 36.7#



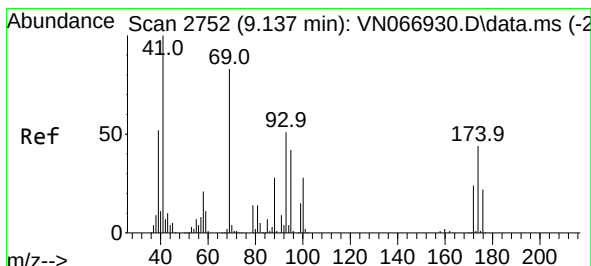
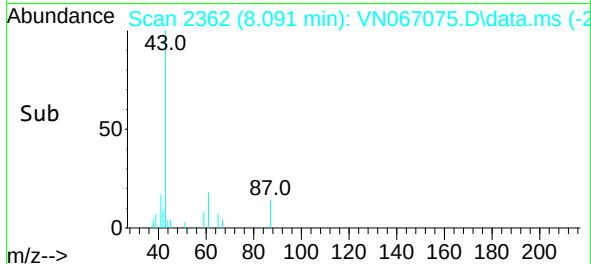
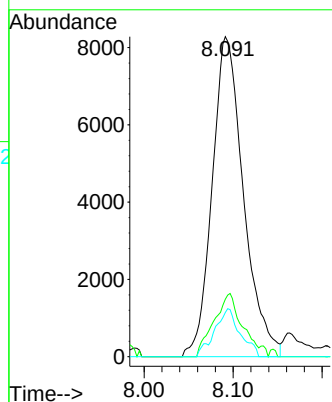


#43
Isopropyl Acetate
Concen: 2.06 ug/l
RT: 8.091 min Scan# 2362
Delta R.T. -0.003 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

Instrument :
MSVOA_N
ClientSampled :

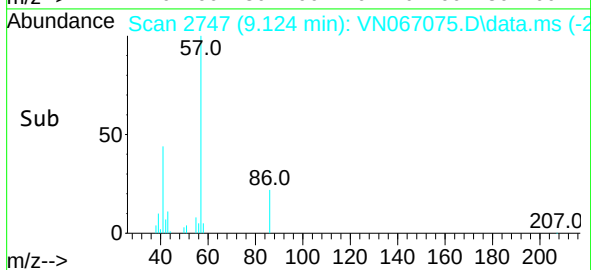
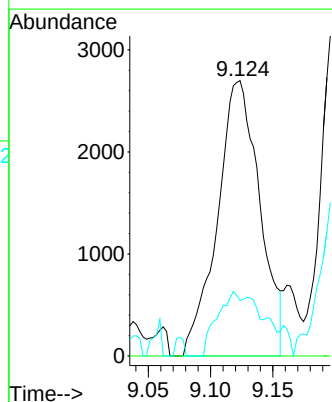
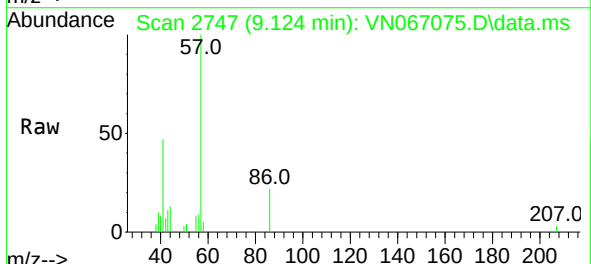


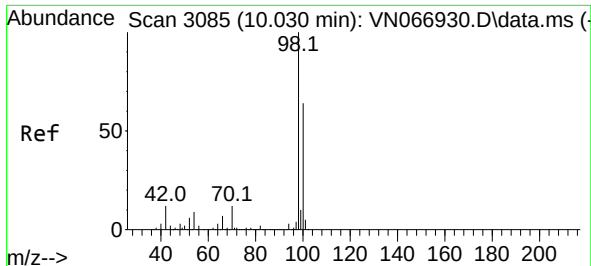
Tgt Ion: 43 Resp: 20248
Ion Ratio Lower Upper
43 100
61 18.2 22.5 33.7#
87 12.1 11.1 16.7



#48
Methyl methacrylate
Concen: 1.47 ug/l
RT: 9.124 min Scan# 2747
Delta R.T. -0.013 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

Tgt Ion: 41 Resp: 6392
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 13.9 46.6 69.8#

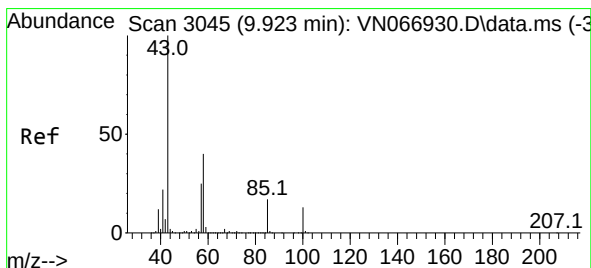
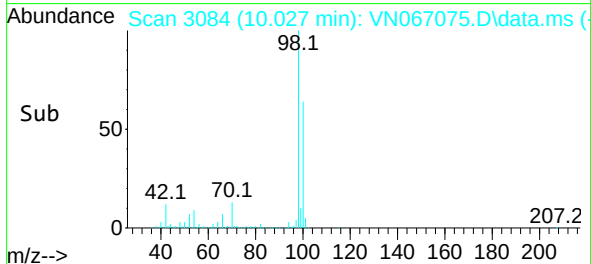
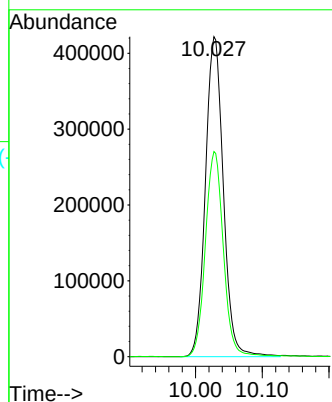
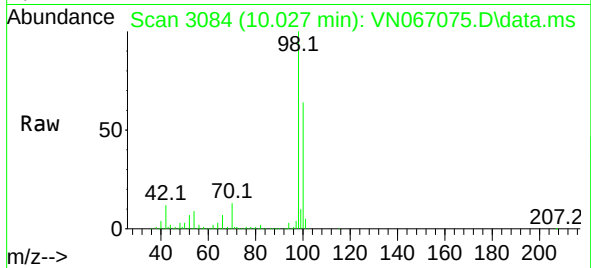




#50
Toluene-d8
Concen: 53.32 ug/l
RT: 10.027 min Scan# 3084
Delta R.T. -0.003 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

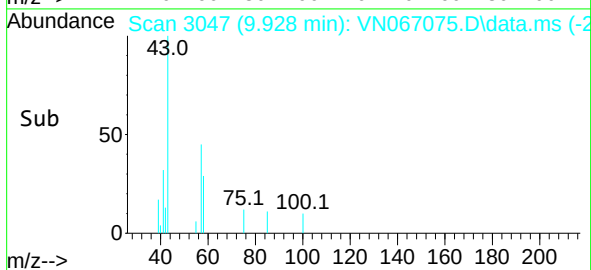
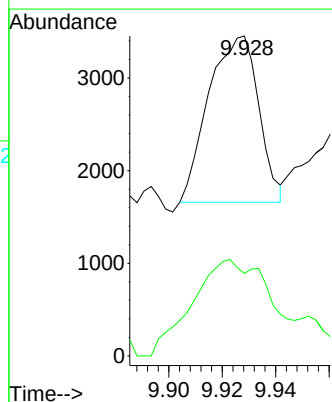
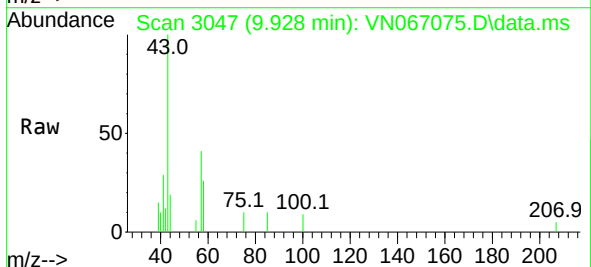
Instrument :
MSVOA_N
ClientSampled :

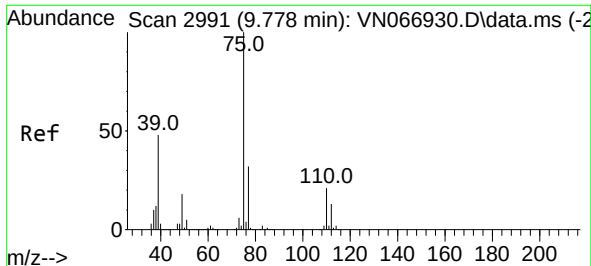
Tgt Ion: 98 Resp: 787098
Ion Ratio Lower Upper
98 100
100 64.3 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.41 ug/l
RT: 9.928 min Scan# 3047
Delta R.T. 0.005 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

Tgt Ion: 43 Resp: 2330
Ion Ratio Lower Upper
43 100
58 90.5 32.5 48.7#

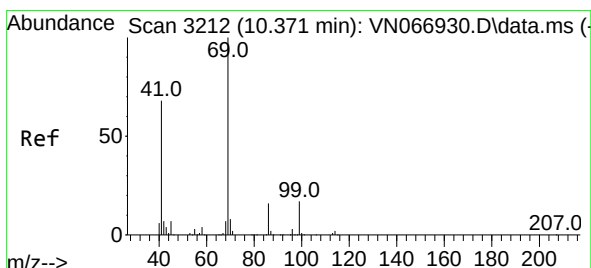
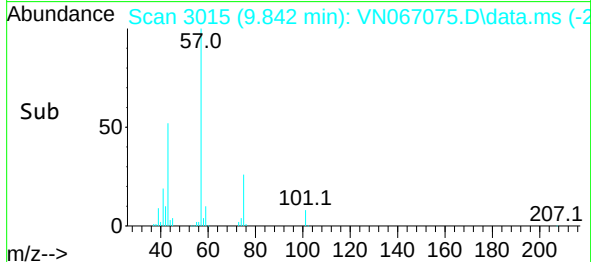
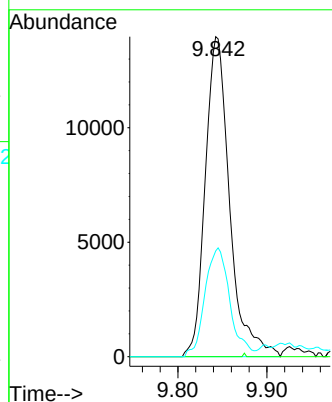
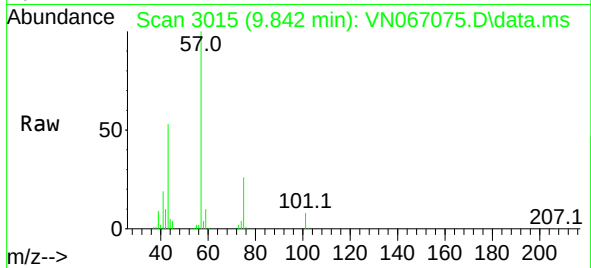




#54
cis-1,3-Dichloropropene
Concen: 3.39 ug/l
RT: 9.842 min Scan# 3015
Delta R.T. 0.064 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

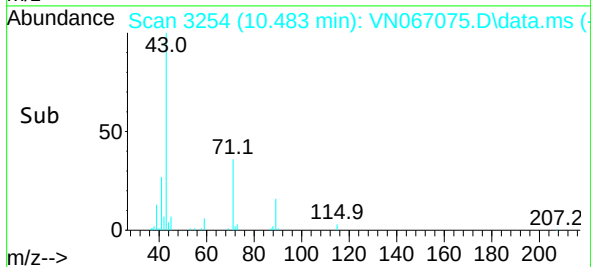
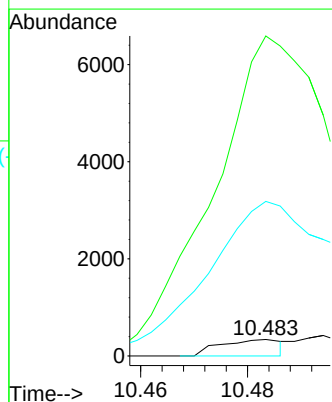
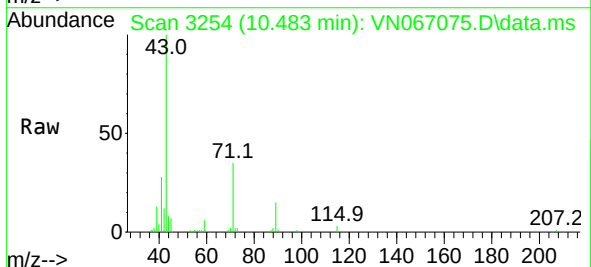
Instrument :
MSVOA_N
ClientSampled :

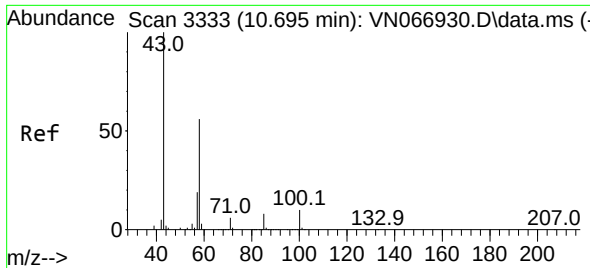
Tgt Ion: 75 Resp: 26527
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 33.1 36.2 54.4#



#56
Ethyl methacrylate
Concen: 5.23 ug/l
RT: 10.483 min Scan# 3254
Delta R.T. 0.112 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

Tgt Ion: 69 Resp: 270
Ion Ratio Lower Upper
69 100
41 4593.3 49.6 74.4#
39 2379.6 28.0 42.0#

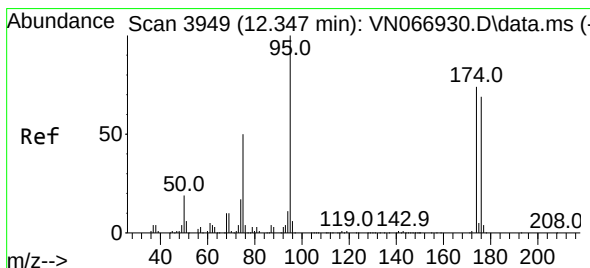
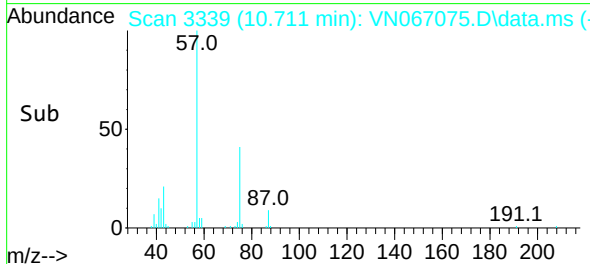
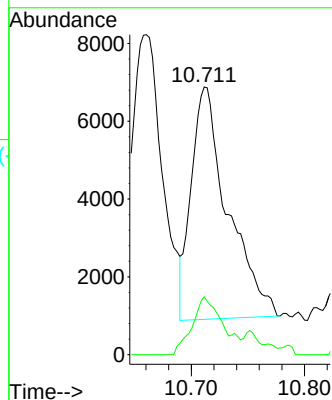
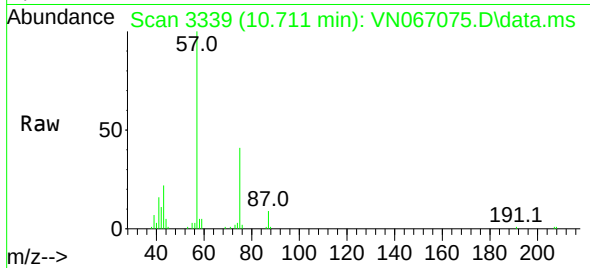




#59
2-Hexanone
Concen: 31.22 ug/l
RT: 10.711 min Scan# 3339
Delta R.T. 0.016 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

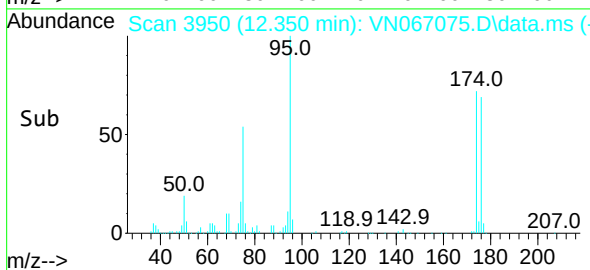
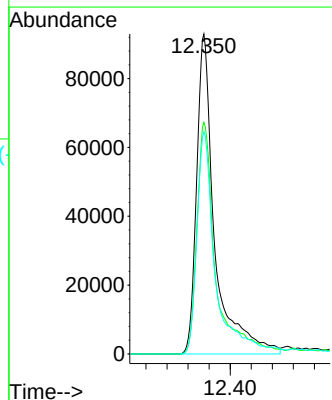
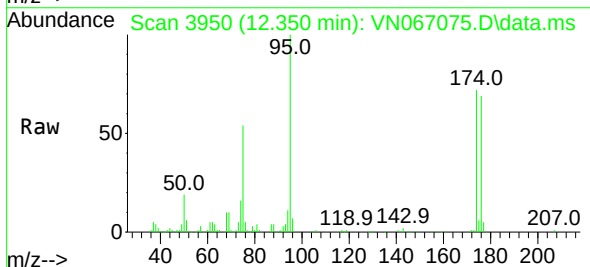
Instrument :
MSVOA_N
ClientSampled :

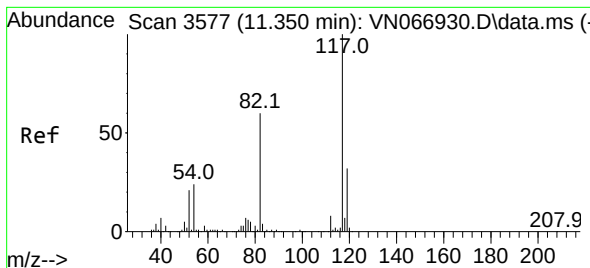
Tgt Ion: 43 Resp: 13397
Ion Ratio Lower Upper
43 100
58 20.8 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 44.36 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

Tgt Ion: 95 Resp: 221736
Ion Ratio Lower Upper
95 100
174 75.1 0.0 169.0
176 70.4 0.0 162.4

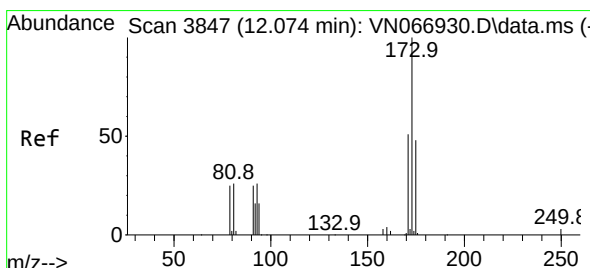
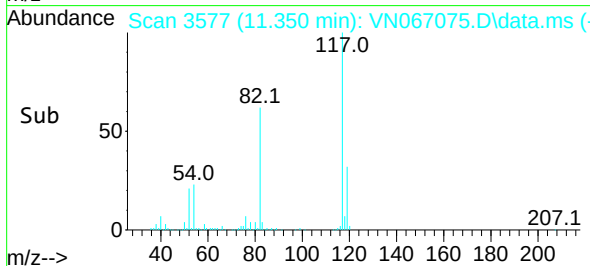
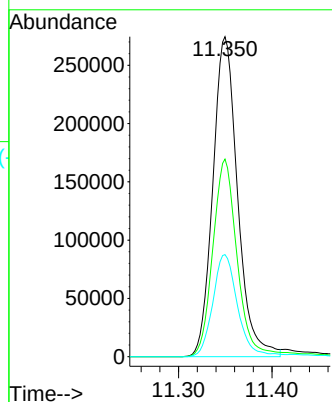
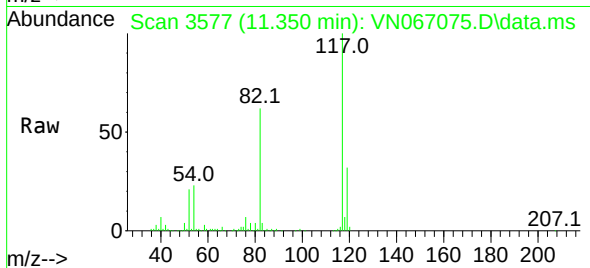




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

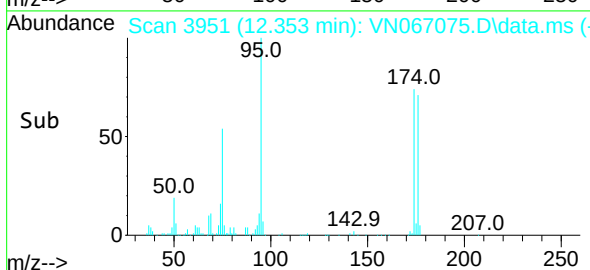
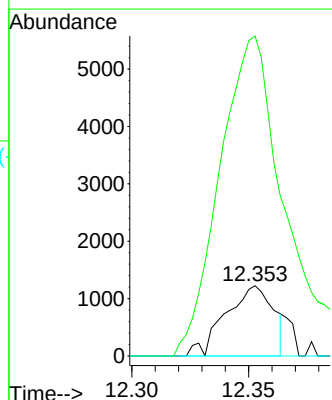
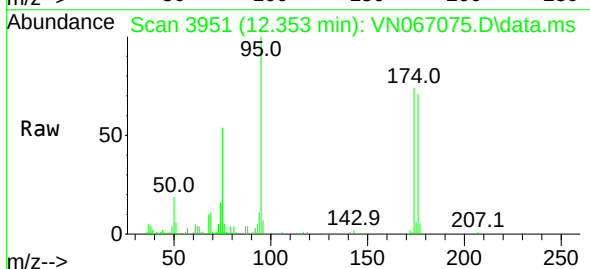
Instrument :
MSVOA_N
ClientSampleId :

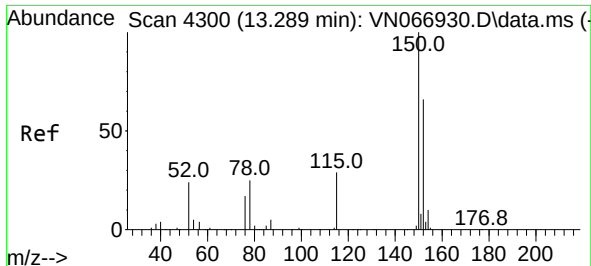
Tgt Ion:117 Resp: 505576
Ion Ratio Lower Upper
117 100
82 61.8 43.7 65.5
119 31.9 26.1 39.1



#71
Bromoform
Concen: 0.57 ug/l
RT: 12.353 min Scan# 3951
Delta R.T. 0.279 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

Tgt Ion:173 Resp: 1743
Ion Ratio Lower Upper
173 100
175 497.6 23.8 71.2#
254 0.0 0.0 0.0

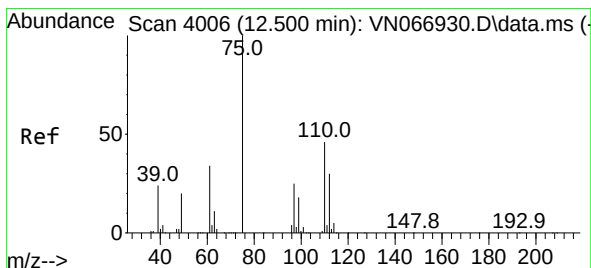
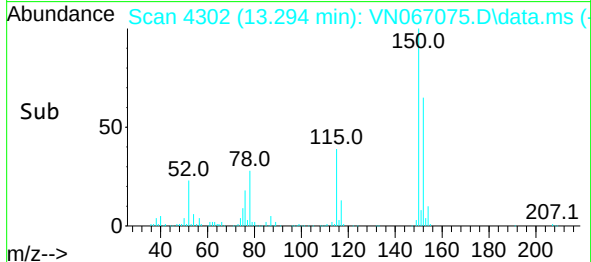
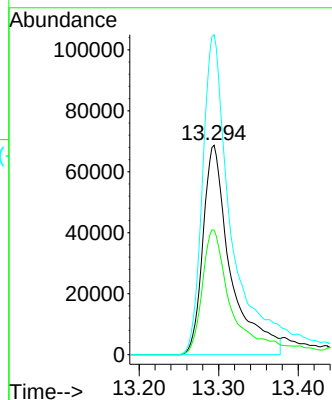
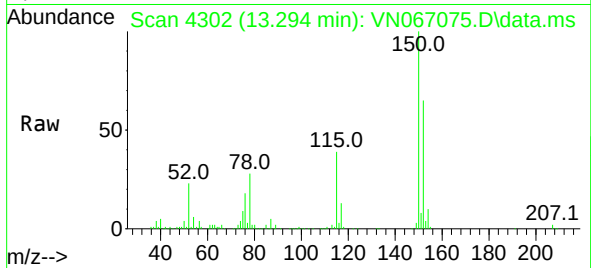




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

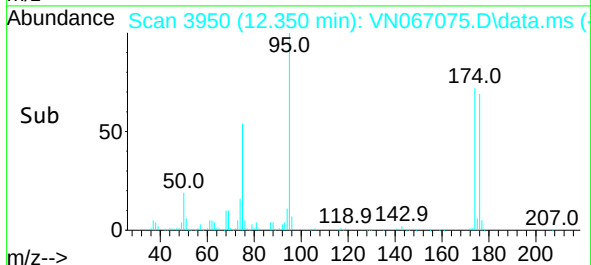
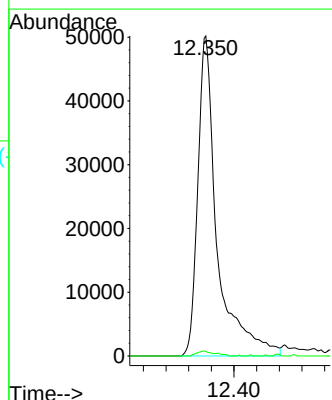
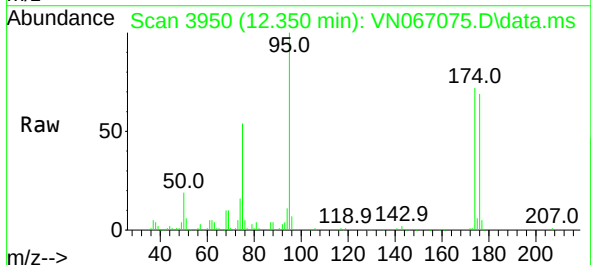
Instrument :
MSVOA_N
ClientSampleId :

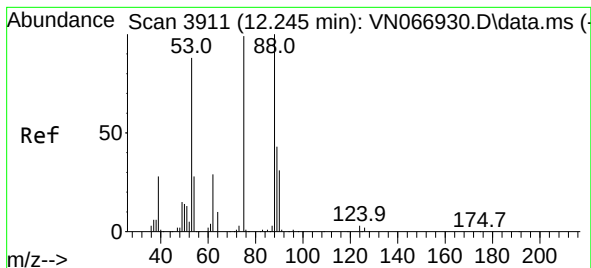
Tgt Ion:152 Resp: 166401
Ion Ratio Lower Upper
152 100
115 63.7 28.5 85.6
150 161.2 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 30.03 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

Tgt Ion: 75 Resp: 119030
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

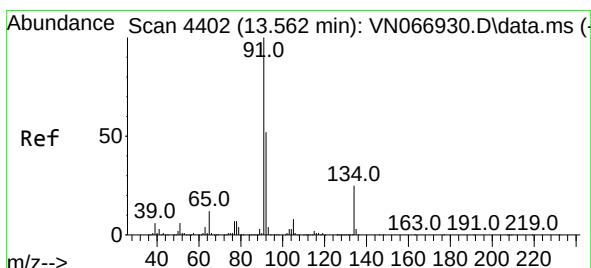
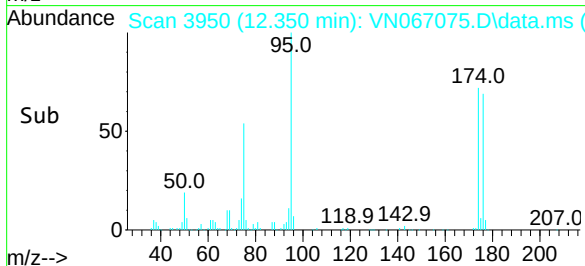
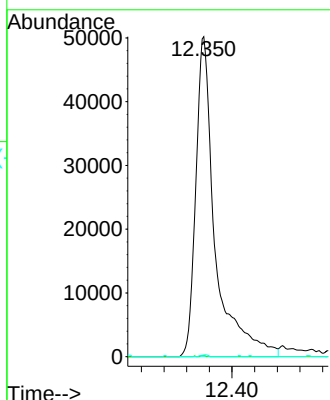
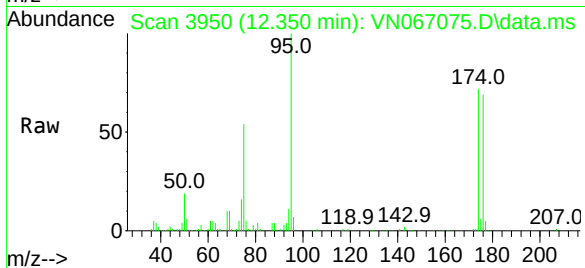




#81
trans-1,4-Dichloro-2-butene
Concen: 89.25 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

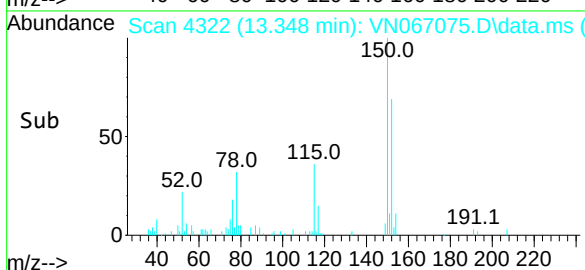
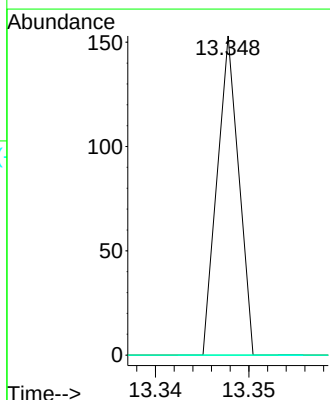
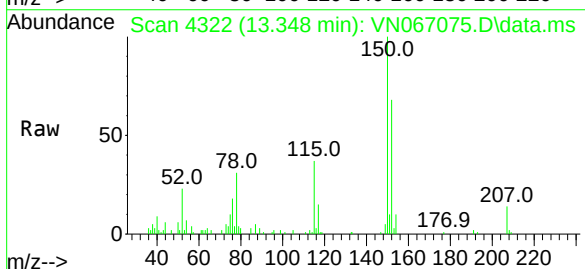
Instrument :
MSVOA_N
ClientSampleId :

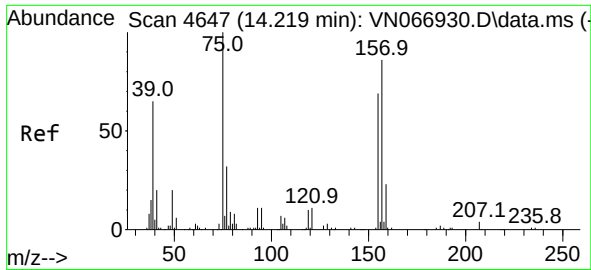
Tgt Ion: 75 Resp: 119030
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 0.2 35.8 53.8#



#89
n-Butylbenzene
Concen: 5.24 ug/l
RT: 13.348 min Scan# 4322
Delta R.T. -0.214 min
Lab File: VN067075.D
Acq: 10 May 2021 16:32

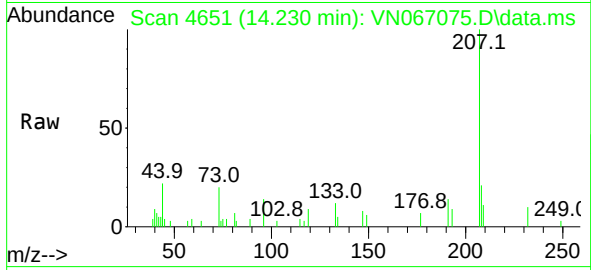
Tgt Ion: 91 Resp: 25
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 0.0 13.0 38.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.24 ug/l
 RT: 14.230 min Scan# 4651
 Delta R.T. 0.011 min
 Lab File: VN067075.D
 Acq: 10 May 2021 16:32

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75	Resp:	191
Ion Ratio	Lower	Upper
75	100	
155	0.0	44.1 132.4#
157	0.0	56.0 168.2#

