

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066944.D
 Acq On : 4 May 2021 18:41
 Operator : JC/MD
 Sample : PB136139ZHE#07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 05:26:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 04 13:11:03 2021
 Response via : Initial Calibration

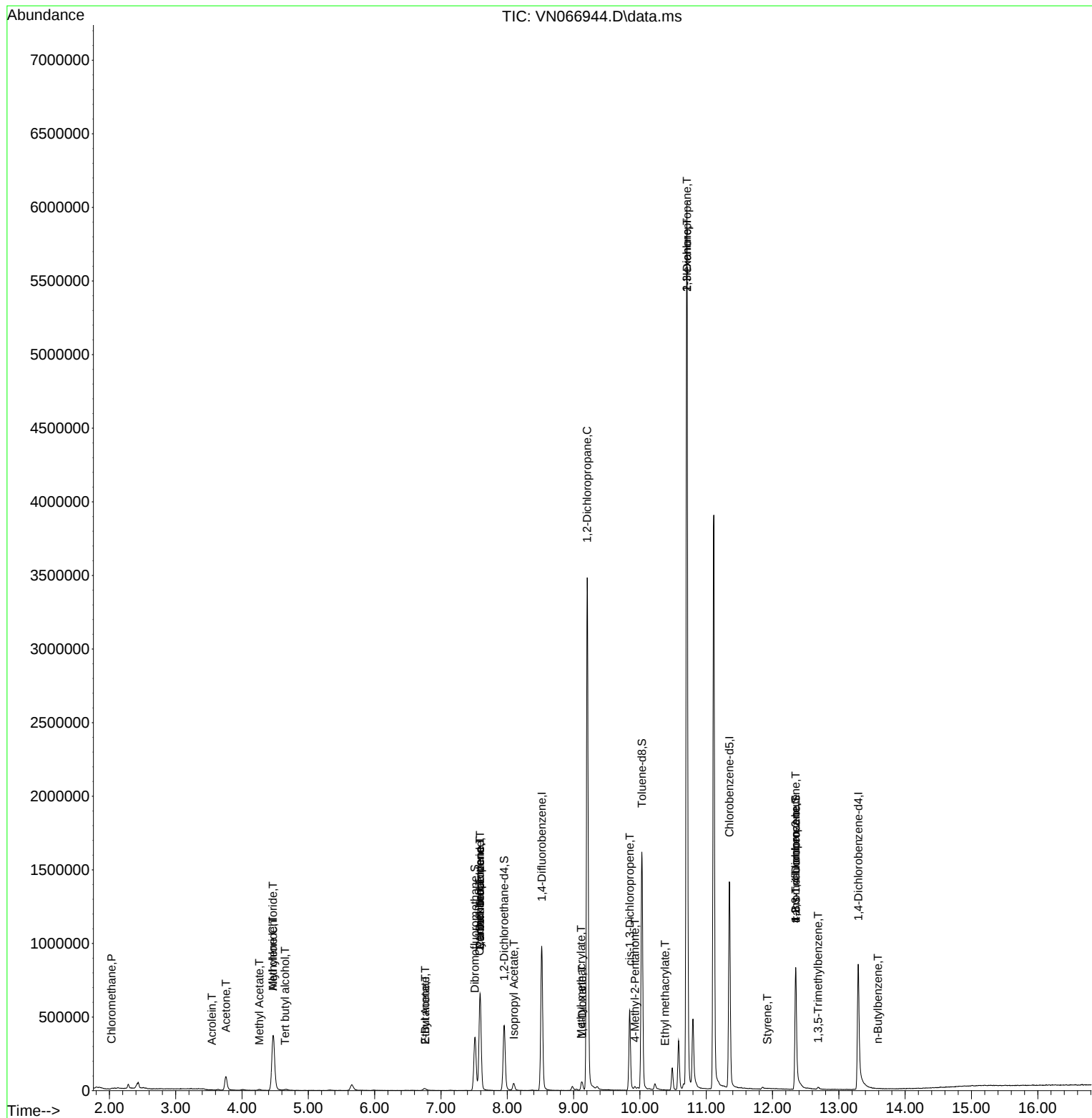
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.589	168	499811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	832489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	804877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	298402	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	392119	49.84	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 99.68%			
35) Dibromofluoromethane	7.512	113	283168	50.09	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.18%			
50) Toluene-d8	10.030	98	1108443	51.49	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.98%			
62) 4-Bromofluorobenzene	12.350	95	354424	48.62	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.24%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.032	50	2631	0.27	ug/l	100
11) Tert butyl alcohol	4.650	59	2413	2.17	ug/l #	76
13) Acrolein	3.545	56	1626	1.76	ug/l	96
14) Allyl chloride	4.468	41	11803	1.08	ug/l #	25
16) Acetone	3.757	43	157012	56.73	ug/l	95
18) Methyl Acetate	4.261	43	11538	1.46	ug/l	95
20) Methylene Chloride	4.468	84	277401	39.52	ug/l	93
25) 2-Butanone	6.763	43	9883	2.42	ug/l	91
31) Cyclohexane	7.584	56	12100	1.09	ug/l #	16
36) 1,1-Dichloropropene	7.587	75	42755	4.93	ug/l #	49
37) Ethyl Acetate	6.763	43	9883	1.12	ug/l #	69
38) Carbon Tetrachloride	7.589	117	52097	5.76	ug/l #	18
43) Isopropyl Acetate	8.099	43	59795	4.17	ug/l #	87
45) 1,2-Dichloropropane	9.204	63	4625	0.61	ug/l #	44
48) Methyl methacrylate	9.115	41	14505	2.28	ug/l #	10
49) 1,4-Dioxane	9.129	88	24	0.24	ug/l #	1
51) 4-Methyl-2-Pentanone	9.925	43	13459	1.62	ug/l	94
54) cis-1,3-Dichloropropene	9.845	75	96874	8.49	ug/l #	64
56) Ethyl methacrylate	10.379	69	145	5.20	ug/l #	27
57) 1,3-Dichloropropane	10.708	76	63076	5.61	ug/l #	43
59) 2-Hexanone	10.708	43	881477	157.34	ug/l #	50
70) Styrene	11.921	104	52	4.71	ug/l #	26
76) 1,2,3-Trichloropropane	12.350	75	185171	26.05	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.685	105	8666	0.43	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.350	75	185171	78.16	ug/l #	12
89) n-Butylbenzene	13.589	91	24	5.24	ug/l #	34

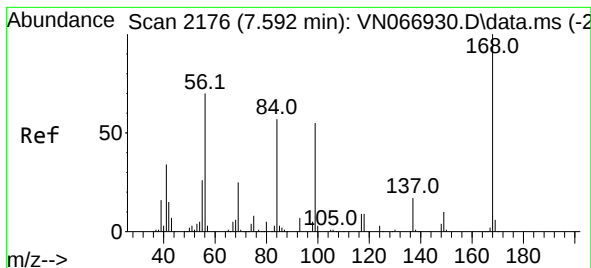
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.589 min Scan# 2175

Delta R.T. -0.003 min

Lab File: VN066944.D

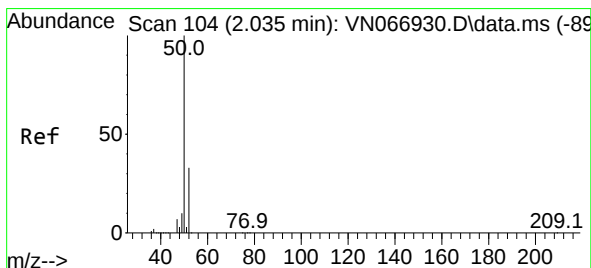
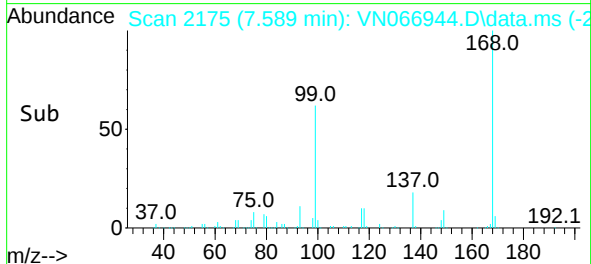
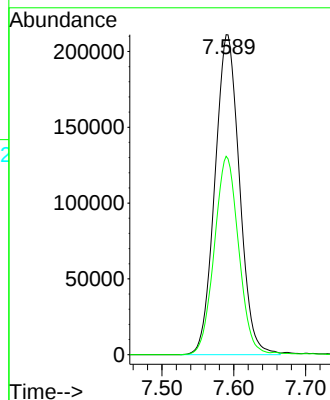
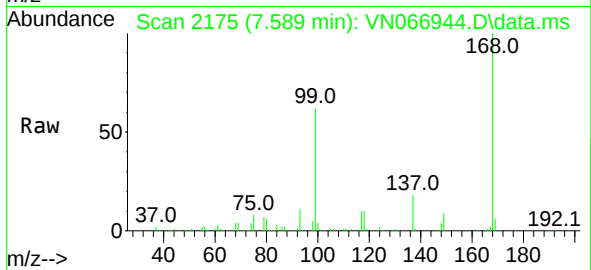
Acq: 4 May 2021 18:41

Tgt Ion:168 Resp: 499811

Ion Ratio Lower Upper

168 100

99 62.0 42.6 63.8



#3

Chloromethane

Concen: 0.27 ug/l

RT: 2.032 min Scan# 103

Delta R.T. -0.003 min

Lab File: VN066944.D

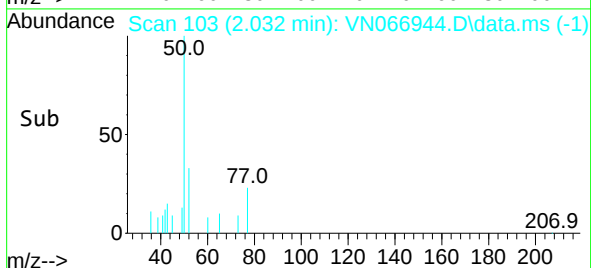
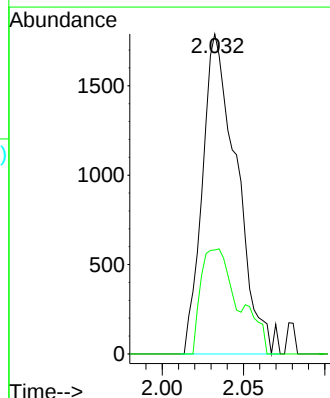
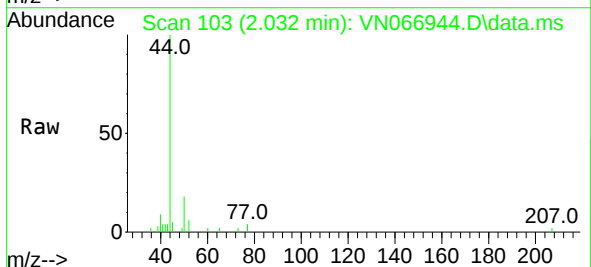
Acq: 4 May 2021 18:41

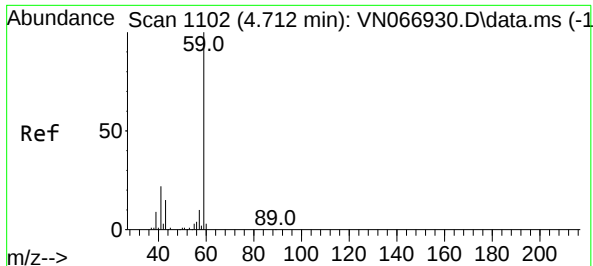
Tgt Ion: 50 Resp: 2631

Ion Ratio Lower Upper

50 100

52 32.5 25.8 38.8

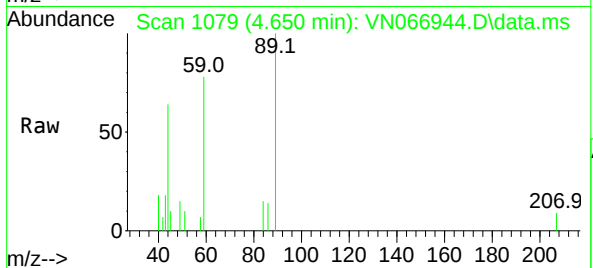




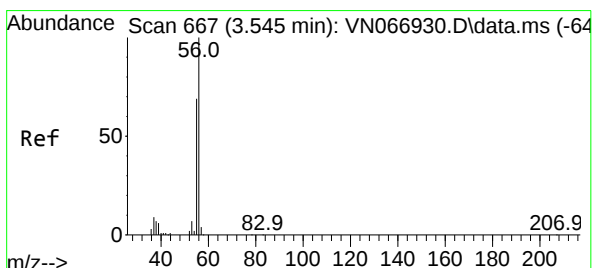
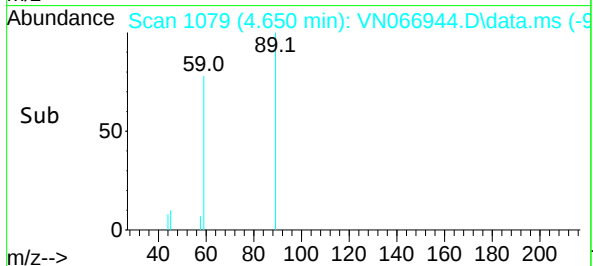
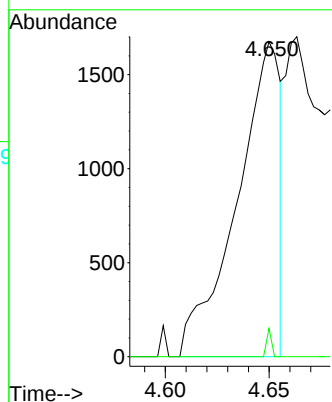
#11

Tert butyl alcohol
Concen: 2.17 ug/l
RT: 4.650 min Scan# 1079
Delta R.T. -0.062 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

Instrument :
MSVOA_N
ClientSampled :



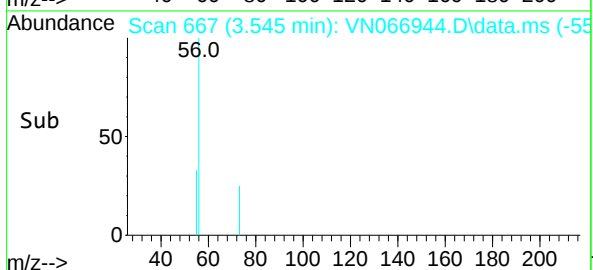
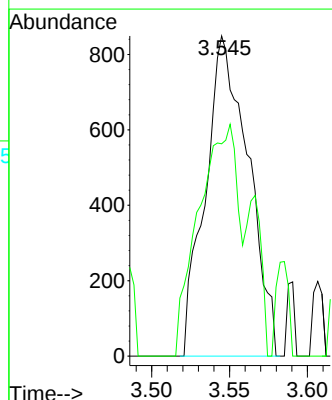
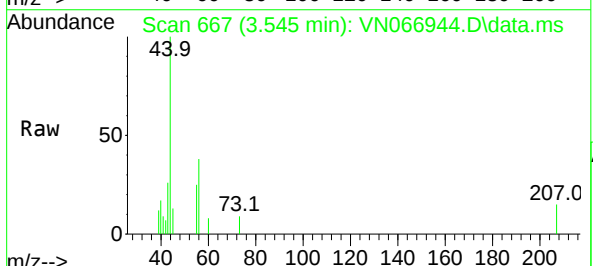
Tgt Ion: 59 Resp: 2413
Ion Ratio Lower Upper
59 100
57 1.0 8.0 12.0#

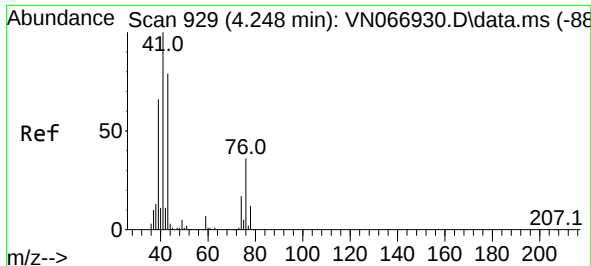


#13

Acrolein
Concen: 1.76 ug/l
RT: 3.545 min Scan# 667
Delta R.T. -0.000 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

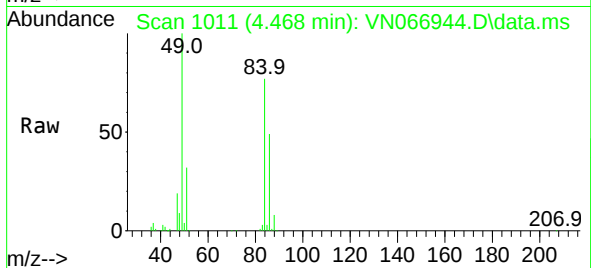
Tgt Ion: 56 Resp: 1626
Ion Ratio Lower Upper
56 100
55 66.4 56.0 84.0



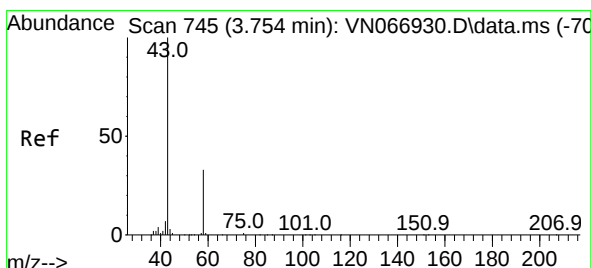
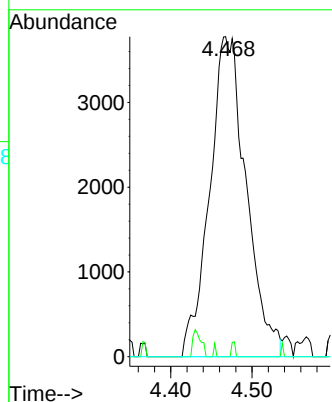
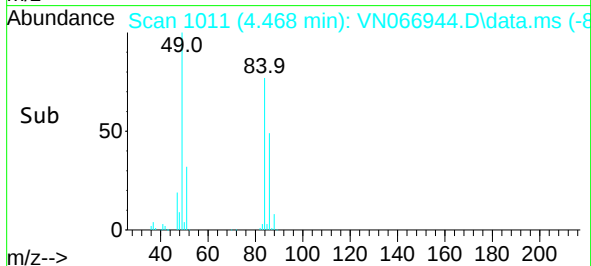


#14
Allyl chloride
Concen: 1.08 ug/l
RT: 4.468 min Scan# 1011
Delta R.T. 0.220 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

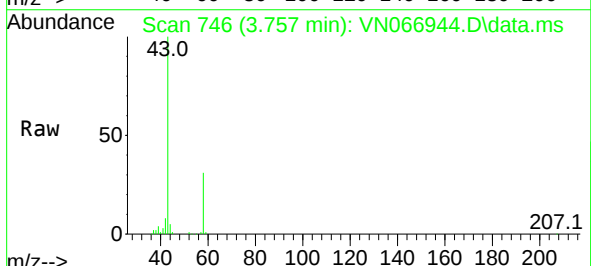
Instrument :
MSVOA_N
ClientSampled :



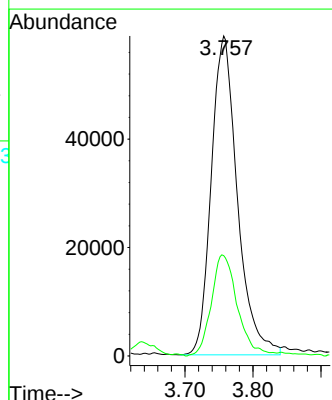
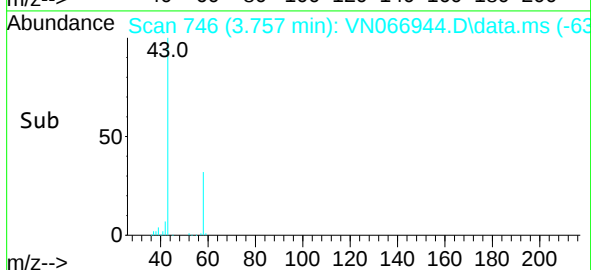
Tgt Ion: 41 Resp: 11803
Ion Ratio Lower Upper
41 100
39 0.5 53.0 79.4#
76 0.0 28.9 43.3#

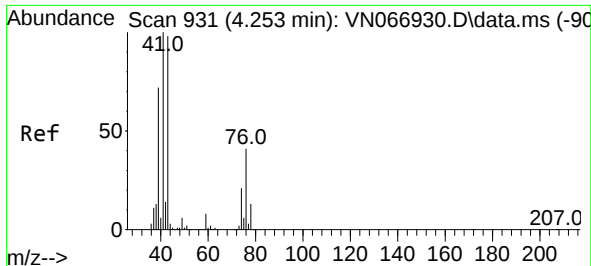


#16
Acetone
Concen: 56.73 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41



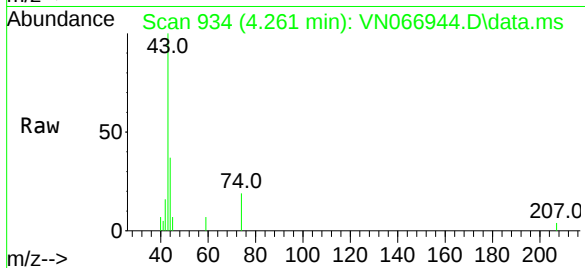
Tgt Ion: 43 Resp: 157012
Ion Ratio Lower Upper
43 100
58 31.0 27.0 40.6



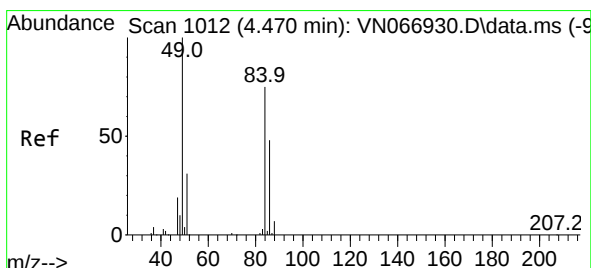
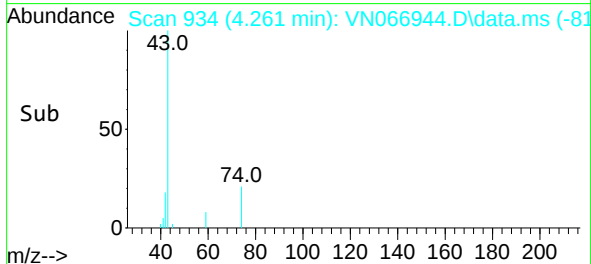
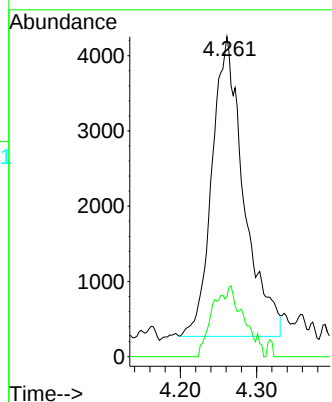


#18
Methyl Acetate
Concen: 1.46 ug/l
RT: 4.261 min Scan# 934
Delta R.T. 0.008 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

Instrument :
MSVOA_N
ClientSampleId :

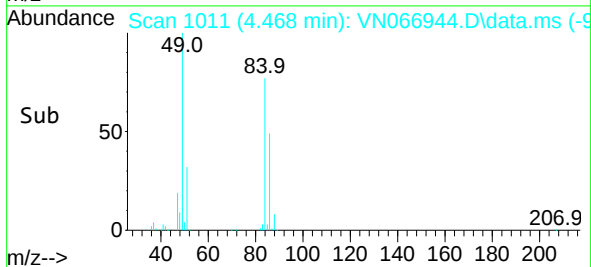
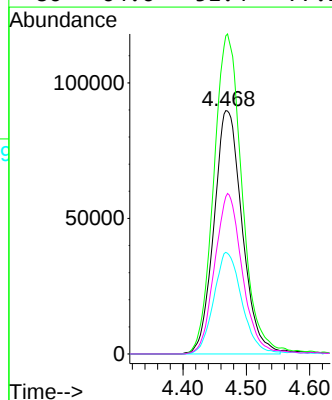
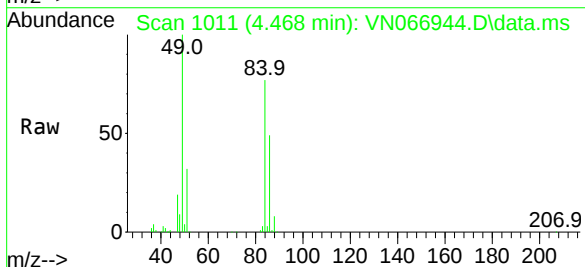


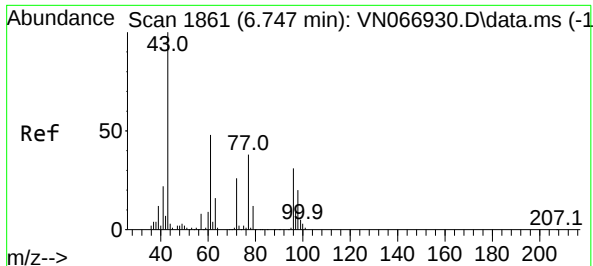
Tgt Ion: 43 Resp: 11538
Ion Ratio Lower Upper
43 100
74 22.1 19.5 29.3



#20
Methylene Chloride
Concen: 39.52 ug/l
RT: 4.468 min Scan# 1011
Delta R.T. -0.002 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

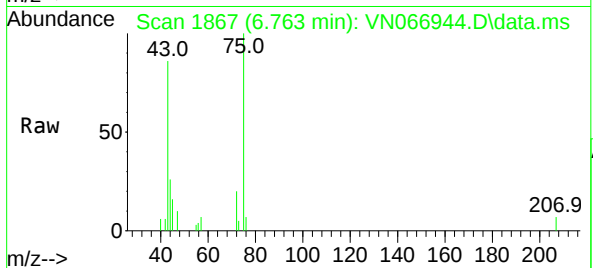
Tgt Ion: 84 Resp: 277401
Ion Ratio Lower Upper
84 100
49 130.7 94.6 141.8
51 41.7 29.9 44.9
86 64.6 51.4 77.2



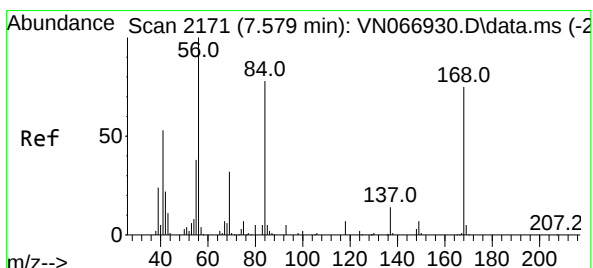
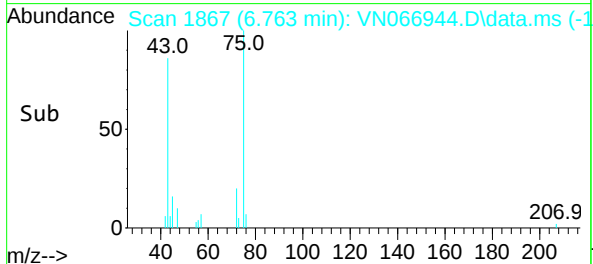
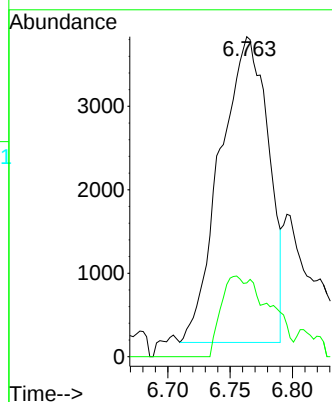


#25
2-Butanone
Concen: 2.42 ug/l
RT: 6.763 min Scan# 1867
Delta R.T. 0.016 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

Instrument :
MSVOA_N
ClientSampled :

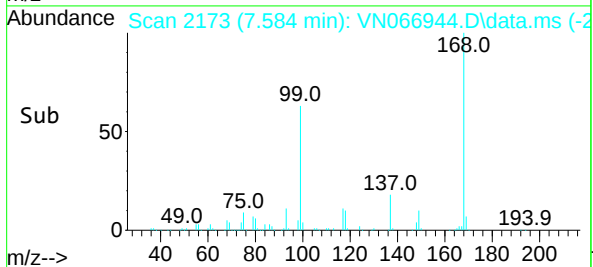
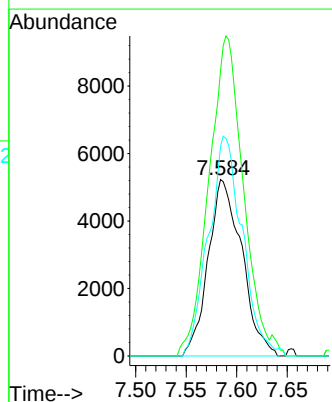
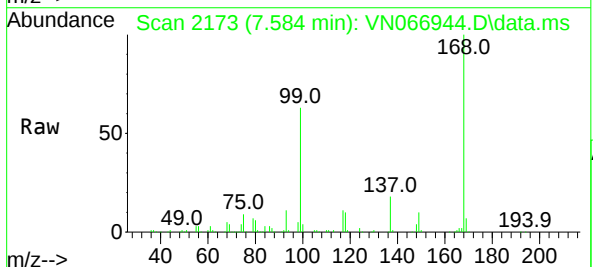


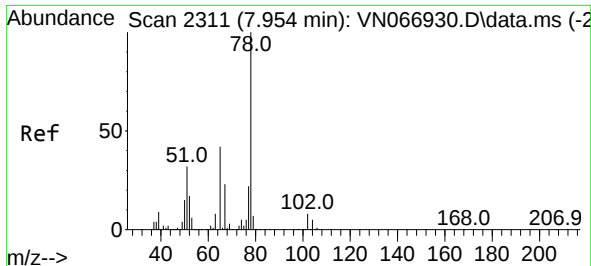
Tgt Ion: 43 Resp: 9883
Ion Ratio Lower Upper
43 100
72 24.1 23.1 34.7



#31
Cyclohexane
Concen: 1.09 ug/l
RT: 7.584 min Scan# 2173
Delta R.T. 0.005 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

Tgt Ion: 56 Resp: 12100
Ion Ratio Lower Upper
56 100
69 158.2 26.6 39.8#
84 118.7 70.4 105.6#

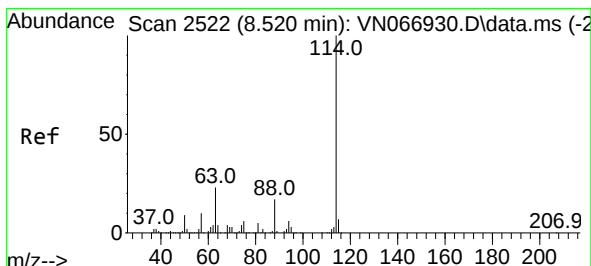
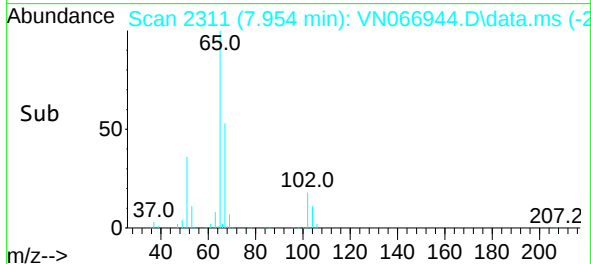
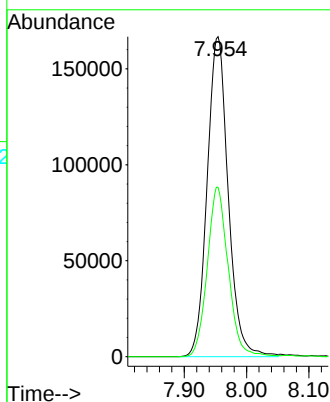
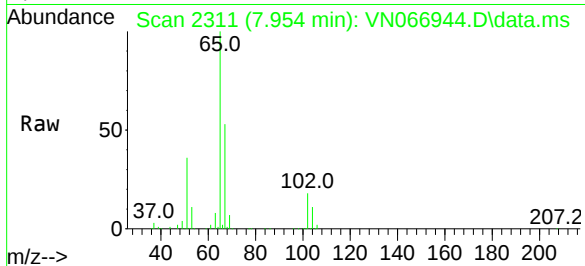




#33
 1,2-Dichloroethane-d4
 Concen: 49.84 ug/l
 RT: 7.954 min Scan# 2311
 Delta R.T. 0.000 min
 Lab File: VN066944.D
 Acq: 4 May 2021 18:41

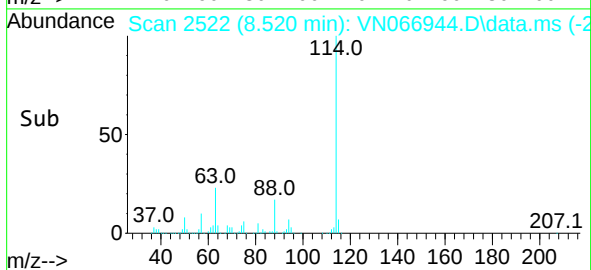
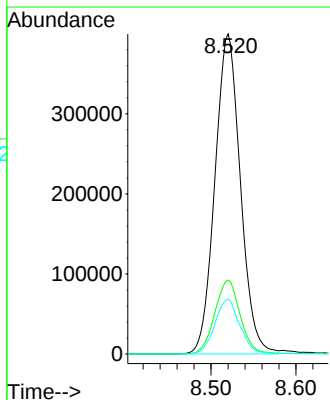
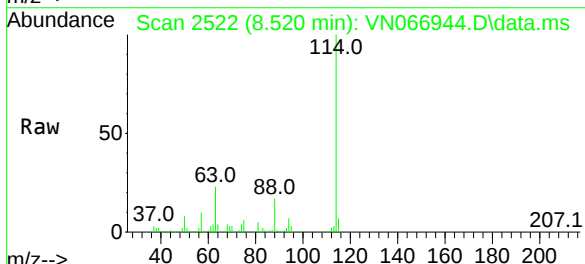
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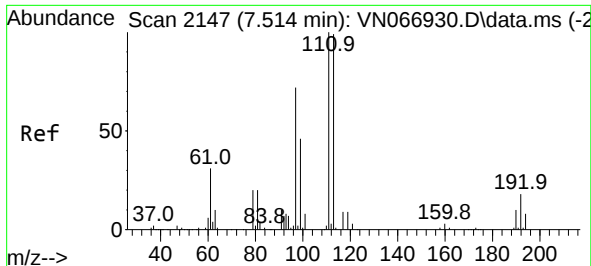
Tgt Ion: 65 Resp: 392119
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.520 min Scan# 2522
 Delta R.T. 0.000 min
 Lab File: VN066944.D
 Acq: 4 May 2021 18:41

Tgt Ion: 114 Resp: 832489
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 38.6
 88 17.2 0.0 30.6

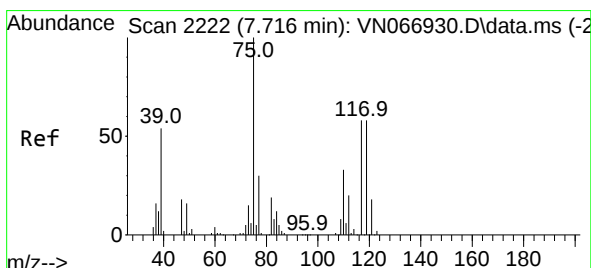
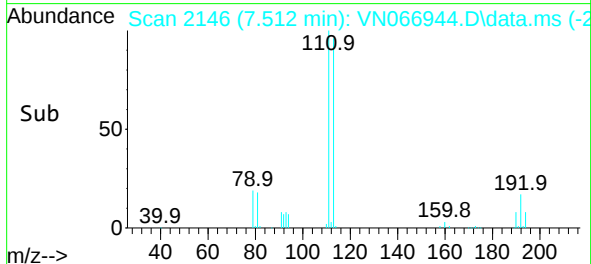
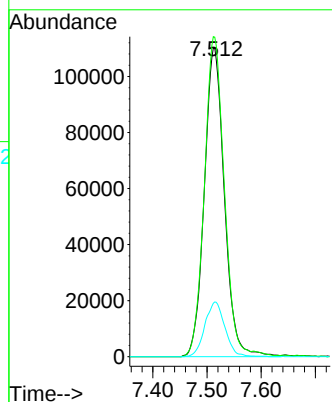
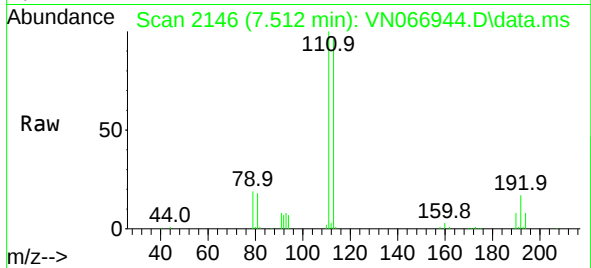




#35
Dibromofluoromethane
Concen: 50.09 ug/l
RT: 7.512 min Scan# 2146
Delta R.T. -0.002 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

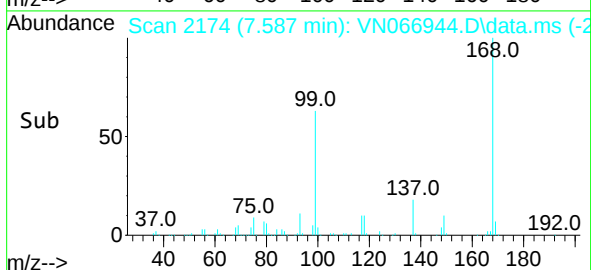
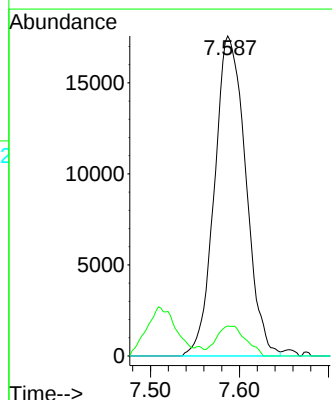
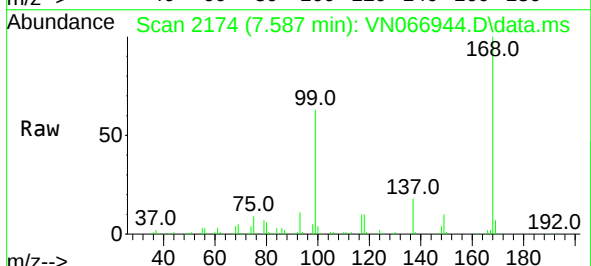
Instrument :
MSVOA_N
ClientSampled :

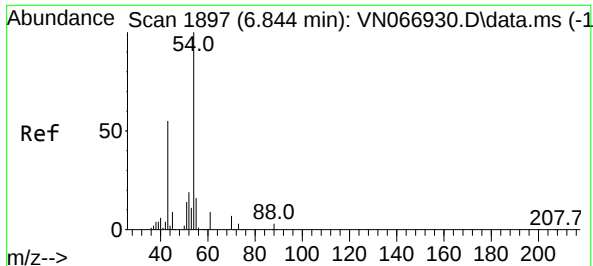
Tgt Ion:113 Resp: 283168
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 17.8 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.93 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. -0.129 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

Tgt Ion: 75 Resp: 42755
Ion Ratio Lower Upper
75 100
110 8.8 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.12 ug/l

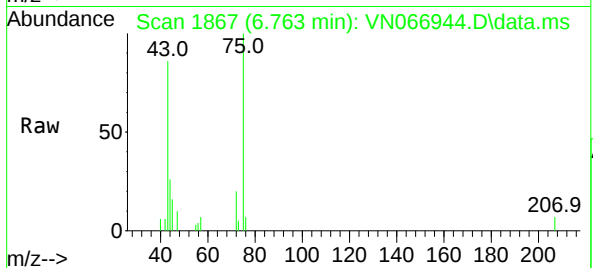
RT: 6.763 min Scan# 1867

Delta R.T. -0.081 min

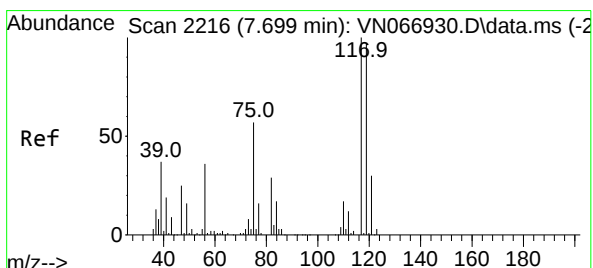
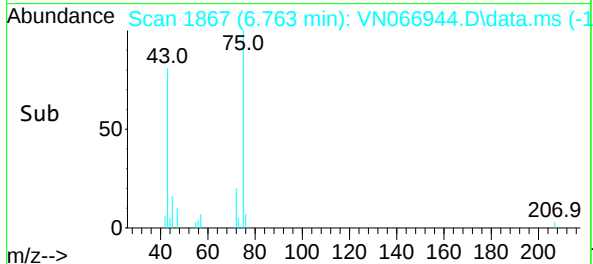
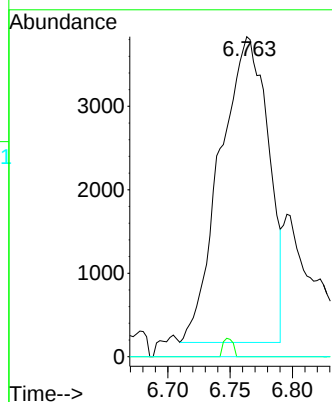
Lab File: VN066944.D

Acq: 4 May 2021 18:41

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 43	Resp: 9883
Ion Ratio	Lower Upper
43	100
61	1.3 11.6 17.4#
70	0.0 8.6 13.0#



#38

Carbon Tetrachloride

Concen: 5.76 ug/l

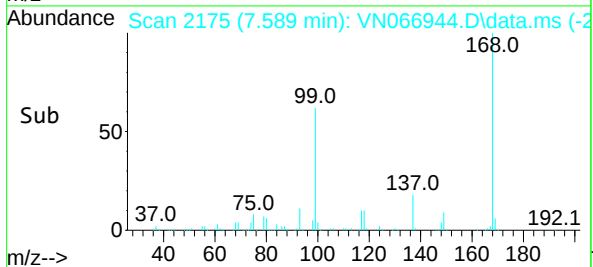
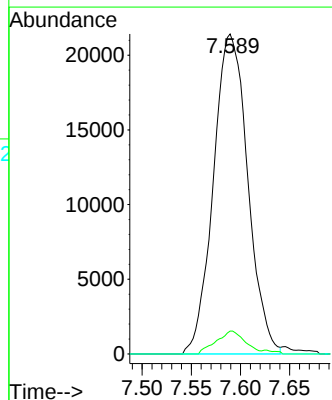
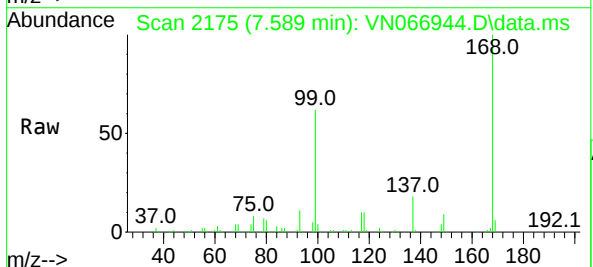
RT: 7.589 min Scan# 2175

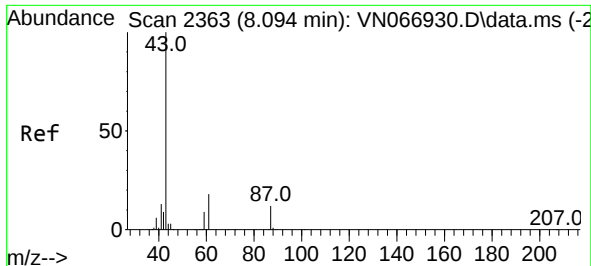
Delta R.T. -0.110 min

Lab File: VN066944.D

Acq: 4 May 2021 18:41

Tgt Ion: 117	Resp: 52097
Ion Ratio	Lower Upper
117	100
119	7.2 76.0 114.0#
121	0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 4.17 ug/l

RT: 8.099 min Scan# 2365

Delta R.T. 0.005 min

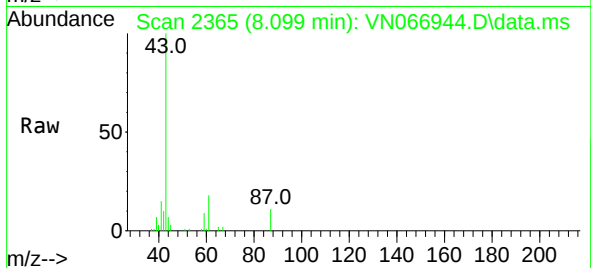
Lab File: VN066944.D

Acq: 4 May 2021 18:41

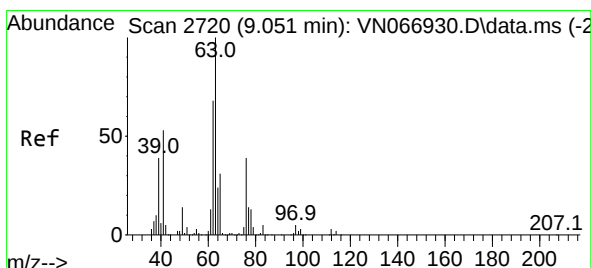
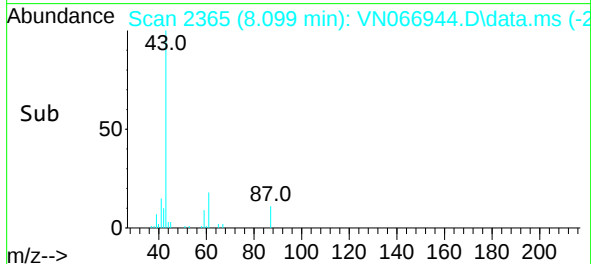
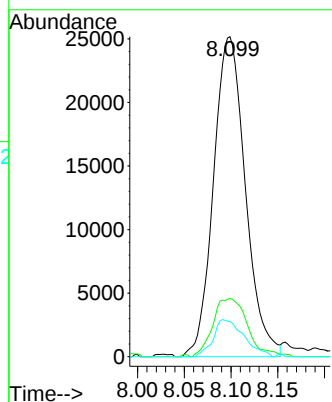
Instrument :

MSVOA_N

ClientSampled :



Tgt Ion:	43	Resp:	59795
Ion Ratio	Lower	Upper	
43	100		
61	19.8	22.5	33.7#
87	11.1	11.1	16.7



#45

1,2-Dichloropropane

Concen: 0.61 ug/l

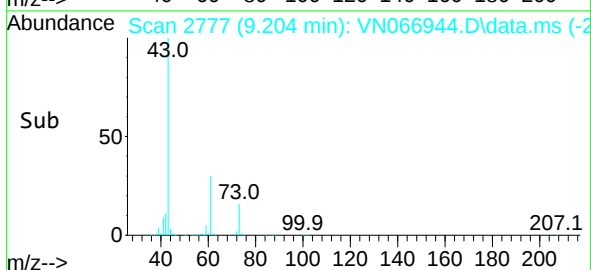
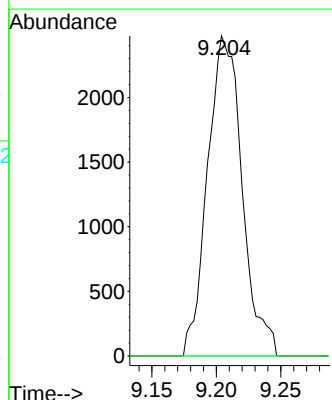
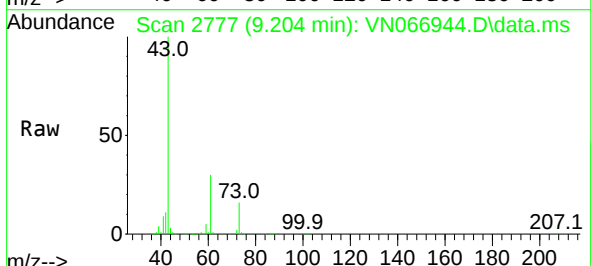
RT: 9.204 min Scan# 2777

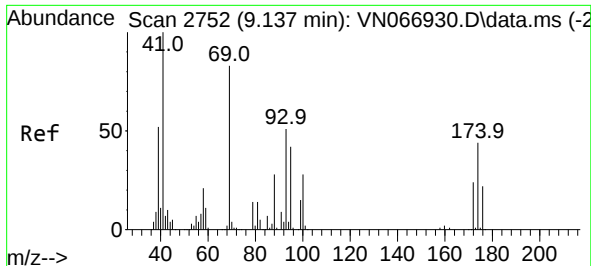
Delta R.T. 0.153 min

Lab File: VN066944.D

Acq: 4 May 2021 18:41

Tgt Ion:	63	Resp:	4625
Ion Ratio	Lower	Upper	
63	100		
65	0.0	24.9	37.3#

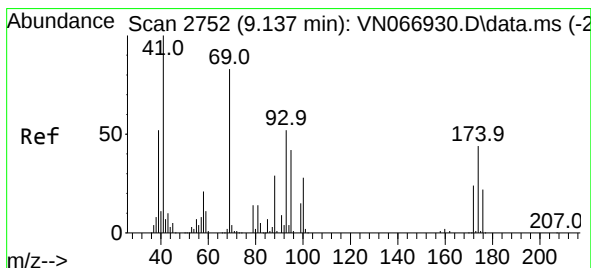
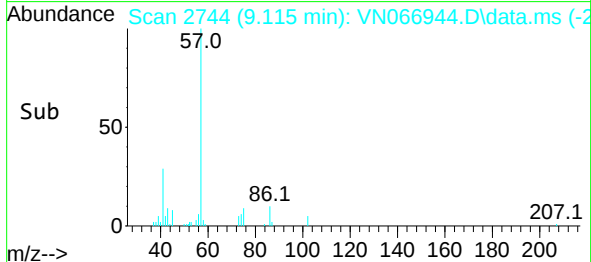
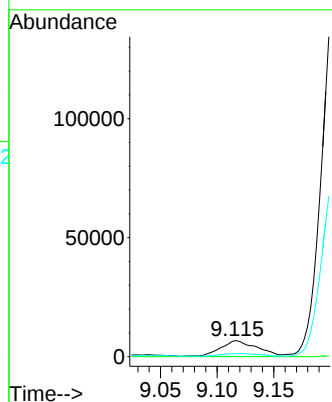
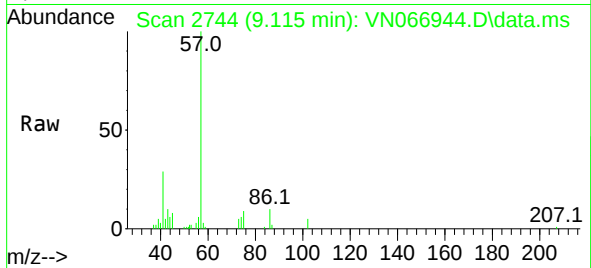




#48
Methyl methacrylate
Concen: 2.28 ug/l
RT: 9.115 min Scan# 2744
Delta R.T. -0.022 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

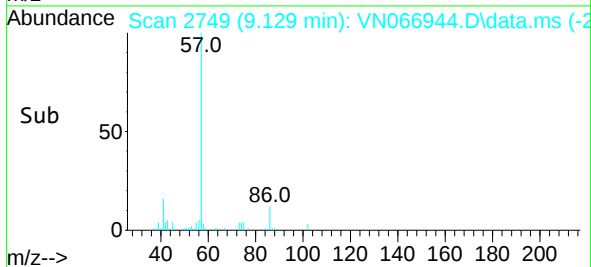
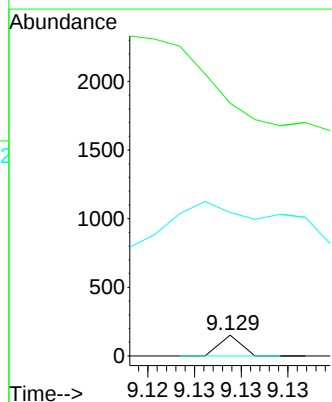
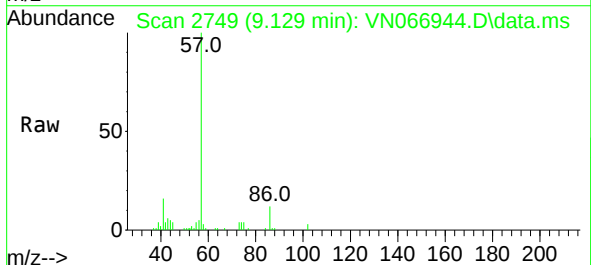
Instrument :
MSVOA_N
ClientSampled :

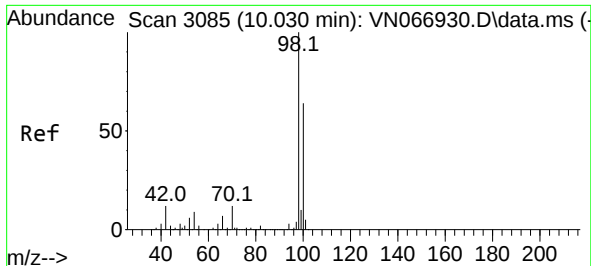
Tgt Ion: 41 Resp: 14505
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#49
1,4-Dioxane
Concen: 0.24 ug/l
RT: 9.129 min Scan# 2749
Delta R.T. -0.008 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 10304.2 52.6 78.8#

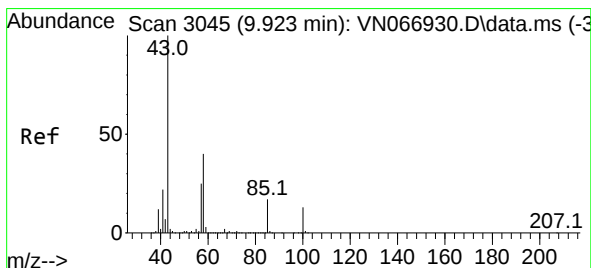
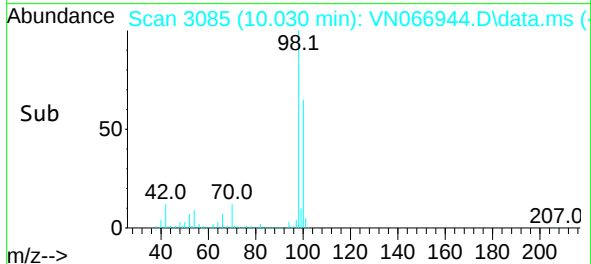
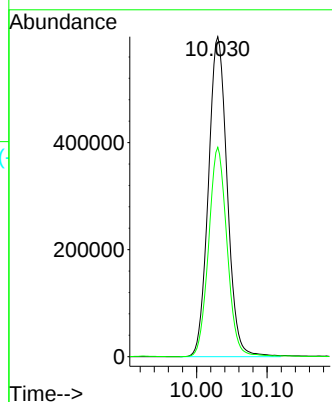
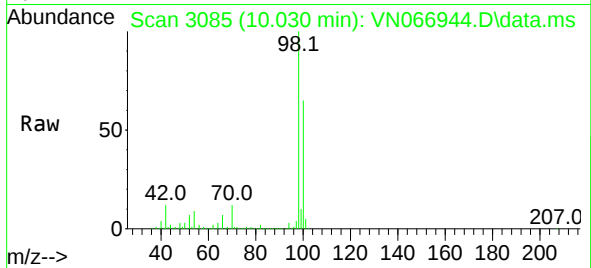




#50
Toluene-d8
Concen: 51.49 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

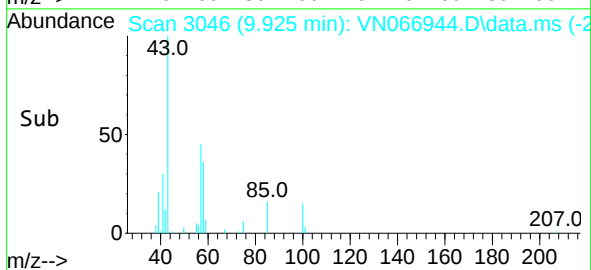
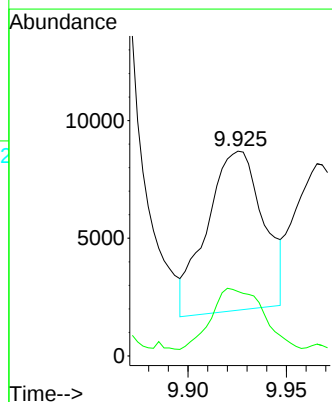
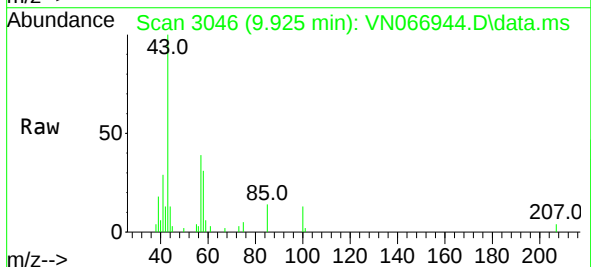
Instrument :
MSVOA_N
ClientSampled :

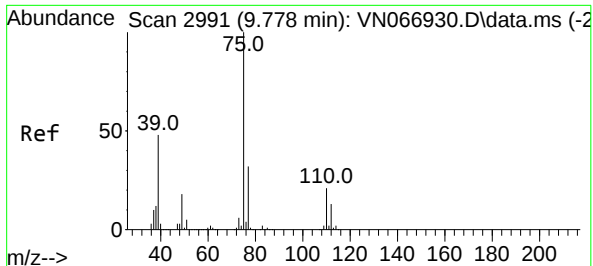
Tgt Ion: 98 Resp: 1108443
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.62 ug/l
RT: 9.925 min Scan# 3046
Delta R.T. 0.002 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

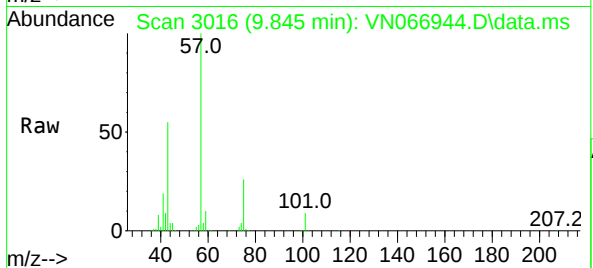
Tgt Ion: 43 Resp: 13459
Ion Ratio Lower Upper
43 100
58 36.6 32.5 48.7



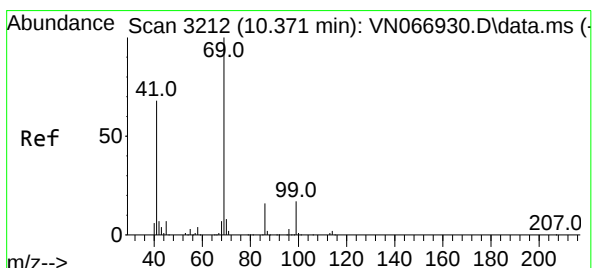
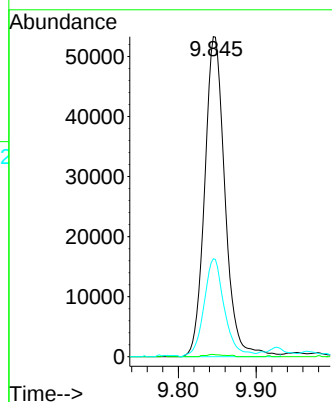
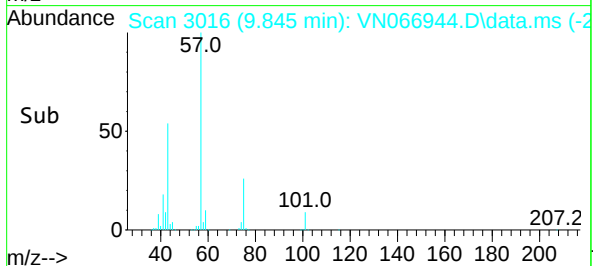


#54
cis-1,3-Dichloropropene
Concen: 8.49 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

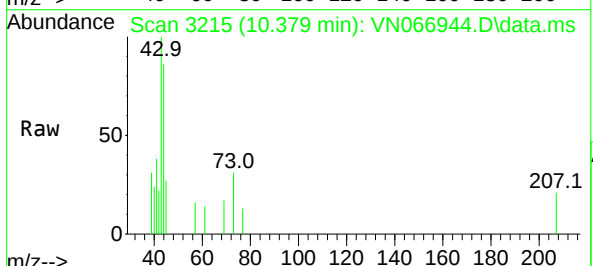
Instrument :
MSVOA_N
ClientSampleId :



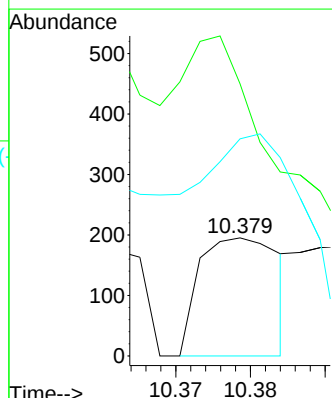
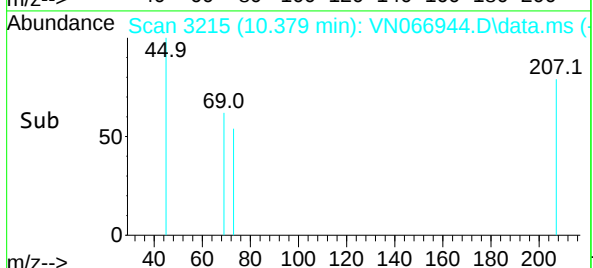
Tgt Ion: 75 Resp: 96874
Ion Ratio Lower Upper
75 100
77 0.7 24.9 37.3#
39 30.6 36.2 54.4#

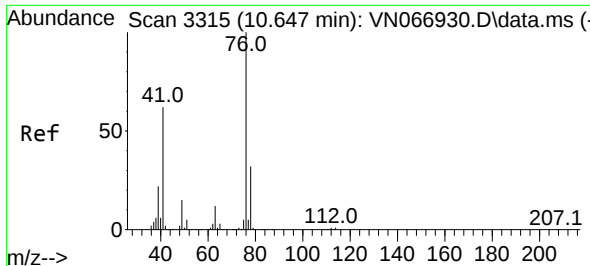


#56
Ethyl methacrylate
Concen: 5.20 ug/l
RT: 10.379 min Scan# 3215
Delta R.T. 0.008 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41



Tgt Ion: 69 Resp: 145
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

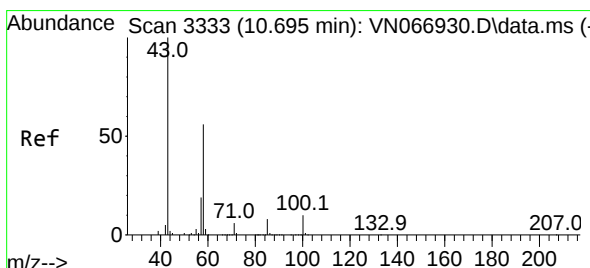
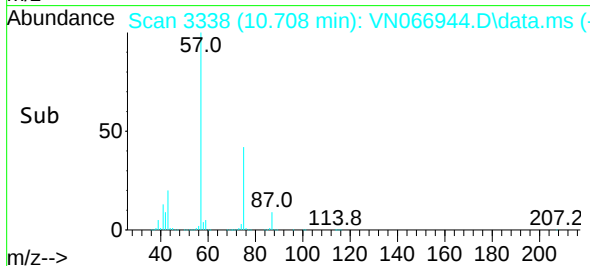
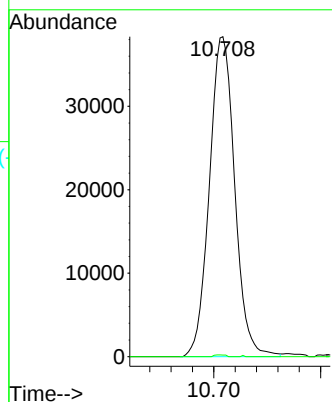
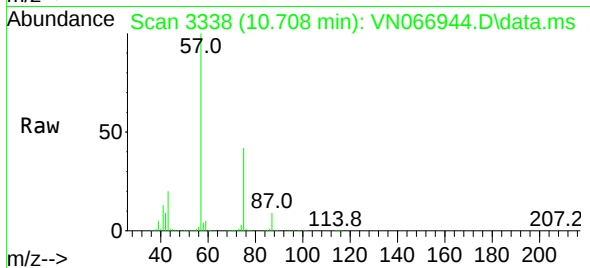




#57
1,3-Dichloropropane
Concen: 5.61 ug/l
RT: 10.708 min Scan# 3338
Delta R.T. 0.061 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

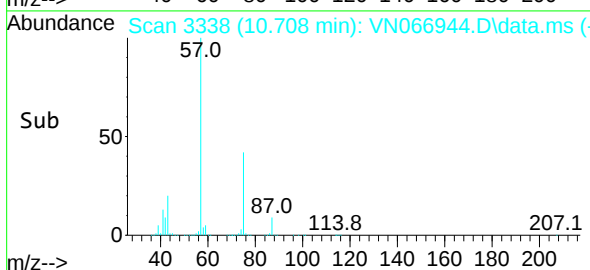
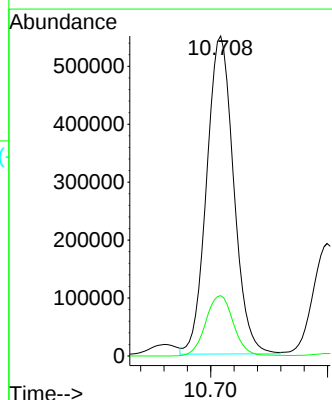
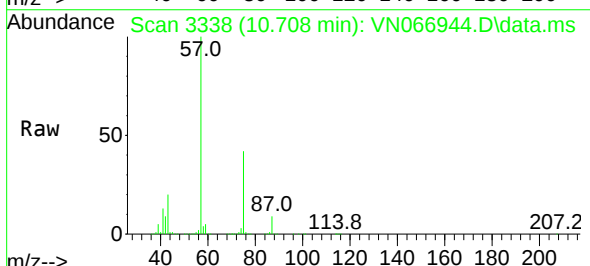
Instrument :
MSVOA_N
ClientSampled :

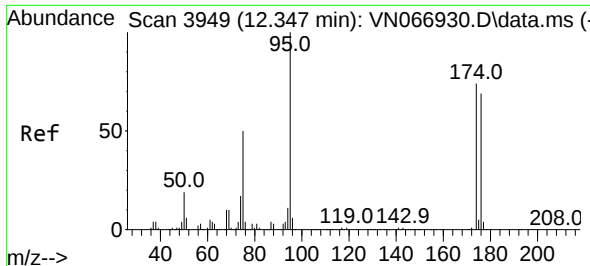
Tgt Ion: 76 Resp: 63076
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#



#59
2-Hexanone
Concen: 157.34 ug/l
RT: 10.708 min Scan# 3338
Delta R.T. 0.013 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

Tgt Ion: 43 Resp: 881477
Ion Ratio Lower Upper
43 100
58 19.6 28.1 84.3#

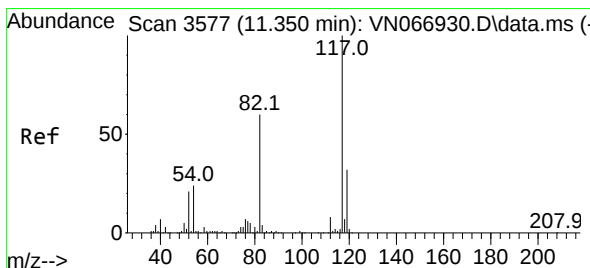
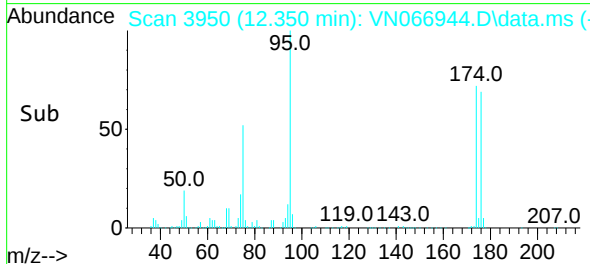
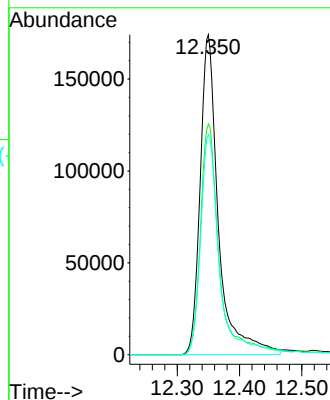
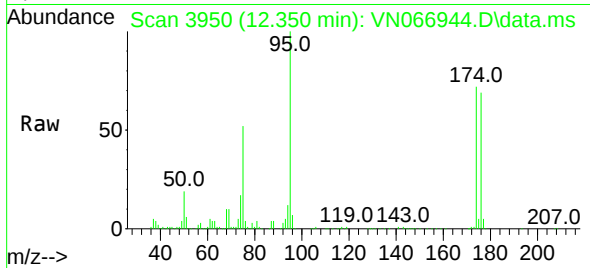




#62
4-Bromofluorobenzene
Concen: 48.62 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

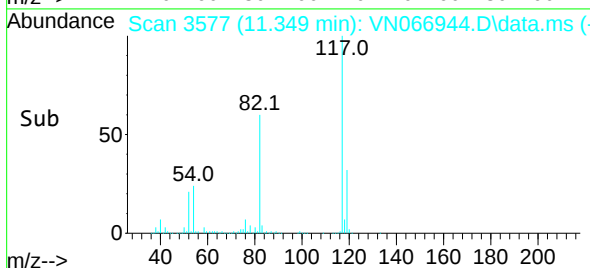
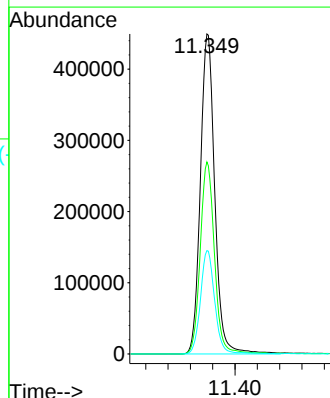
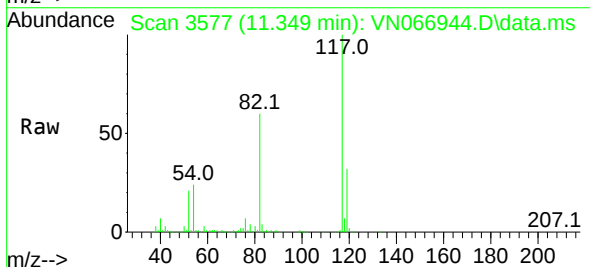
Instrument :
MSVOA_N
ClientSampleId :

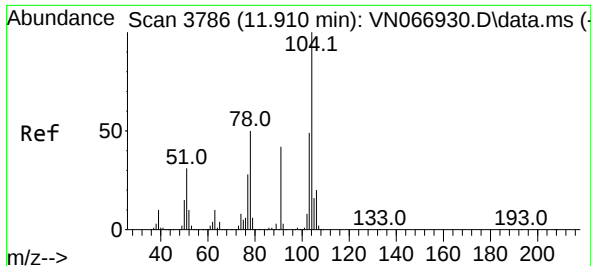
Tgt Ion: 95 Resp: 354424
Ion Ratio Lower Upper
95 100
174 74.4 0.0 169.0
176 71.3 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3577
Delta R.T. -0.001 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

Tgt Ion: 117 Resp: 804877
Ion Ratio Lower Upper
117 100
82 60.0 43.7 65.5
119 32.3 26.1 39.1

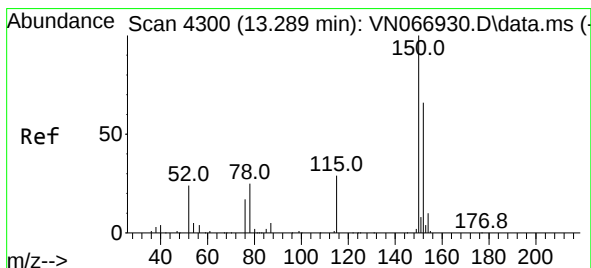
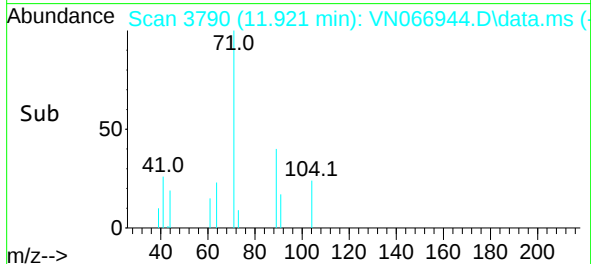
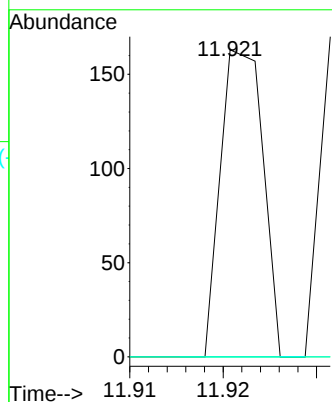
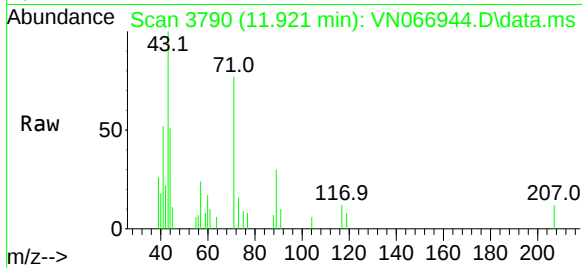




#70
Styrene
Concen: 4.71 ug/l
RT: 11.921 min Scan# 3790
Delta R.T. 0.011 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

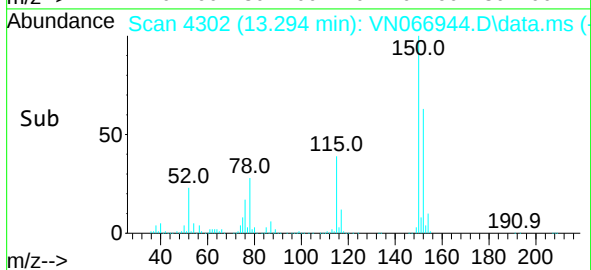
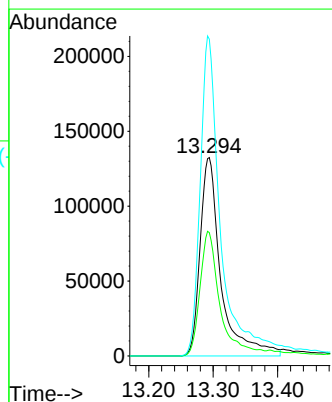
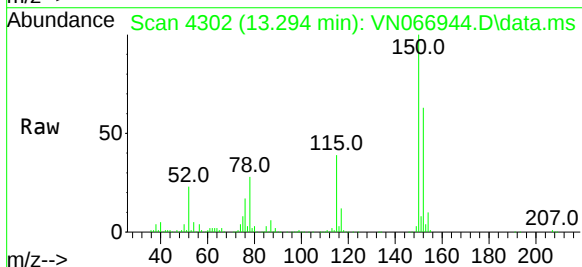
Instrument :
MSVOA_N
ClientSampled :

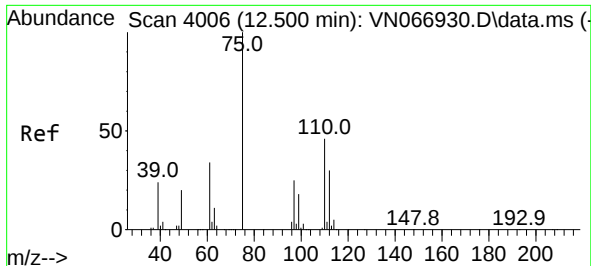
Tgt Ion:104 Resp: 52
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 0.0 44.5 66.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

Tgt Ion:152 Resp: 298402
Ion Ratio Lower Upper
152 100
115 60.2 28.5 85.6
150 160.4 0.0 347.6

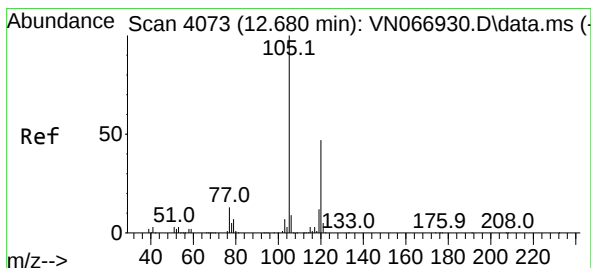
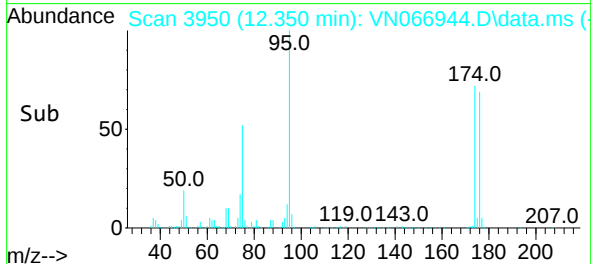
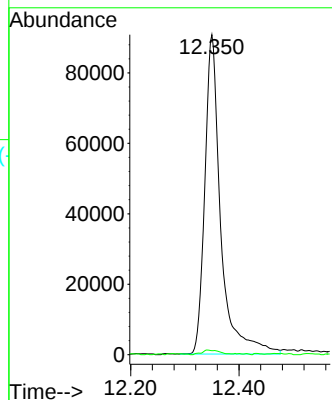
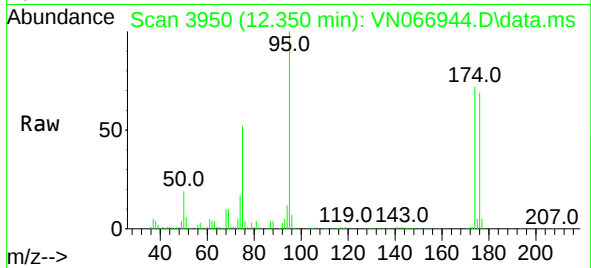




#76
1,2,3-Trichloropropane
Concen: 26.05 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

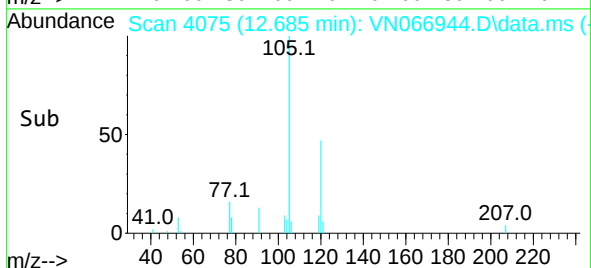
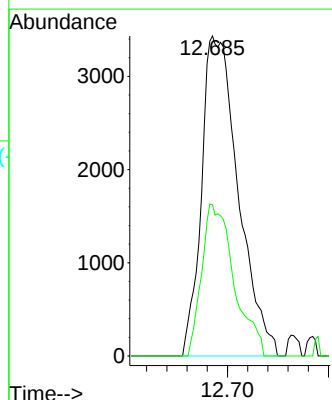
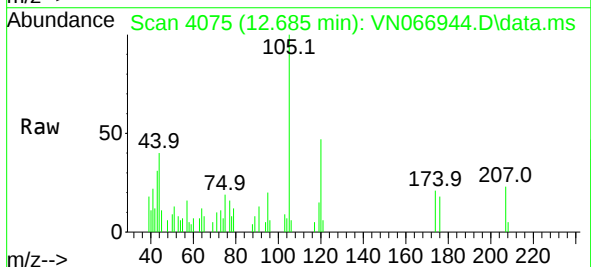
Instrument :
MSVOA_N
ClientSampled :

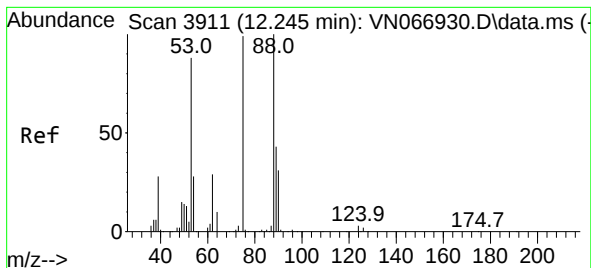
Tgt Ion: 75 Resp: 185171
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.43 ug/l
RT: 12.685 min Scan# 4075
Delta R.T. 0.005 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

Tgt Ion: 105 Resp: 8666
Ion Ratio Lower Upper
105 100
120 41.8 24.3 72.8

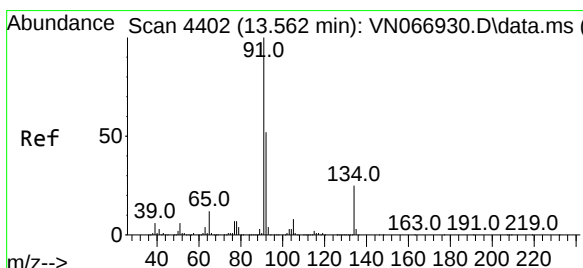
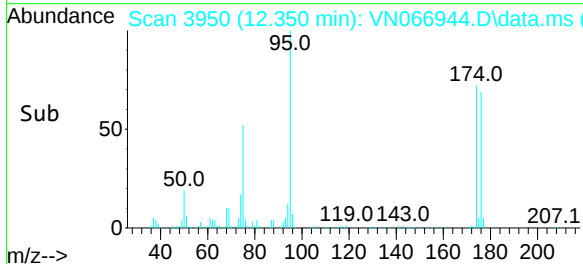
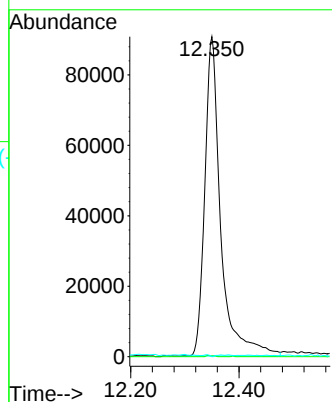
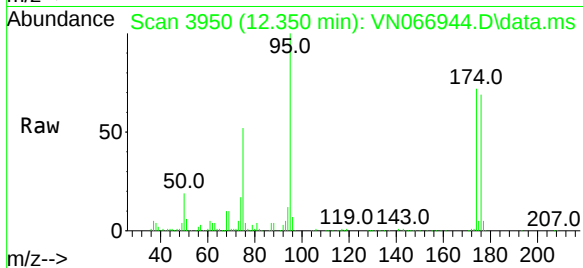




#81
trans-1,4-Dichloro-2-butene
Concen: 78.16 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 185171
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: 13.589 min Scan# 4412
Delta R.T. 0.027 min
Lab File: VN066944.D
Acq: 4 May 2021 18:41

Tgt Ion: 91 Resp: 24
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 0.0 13.0 38.9#

