

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050521\
 Data File : VN066995.D
 Acq On : 5 May 2021 18:15
 Operator : JC/MD
 Sample : M2252-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 06 04:52:04 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)

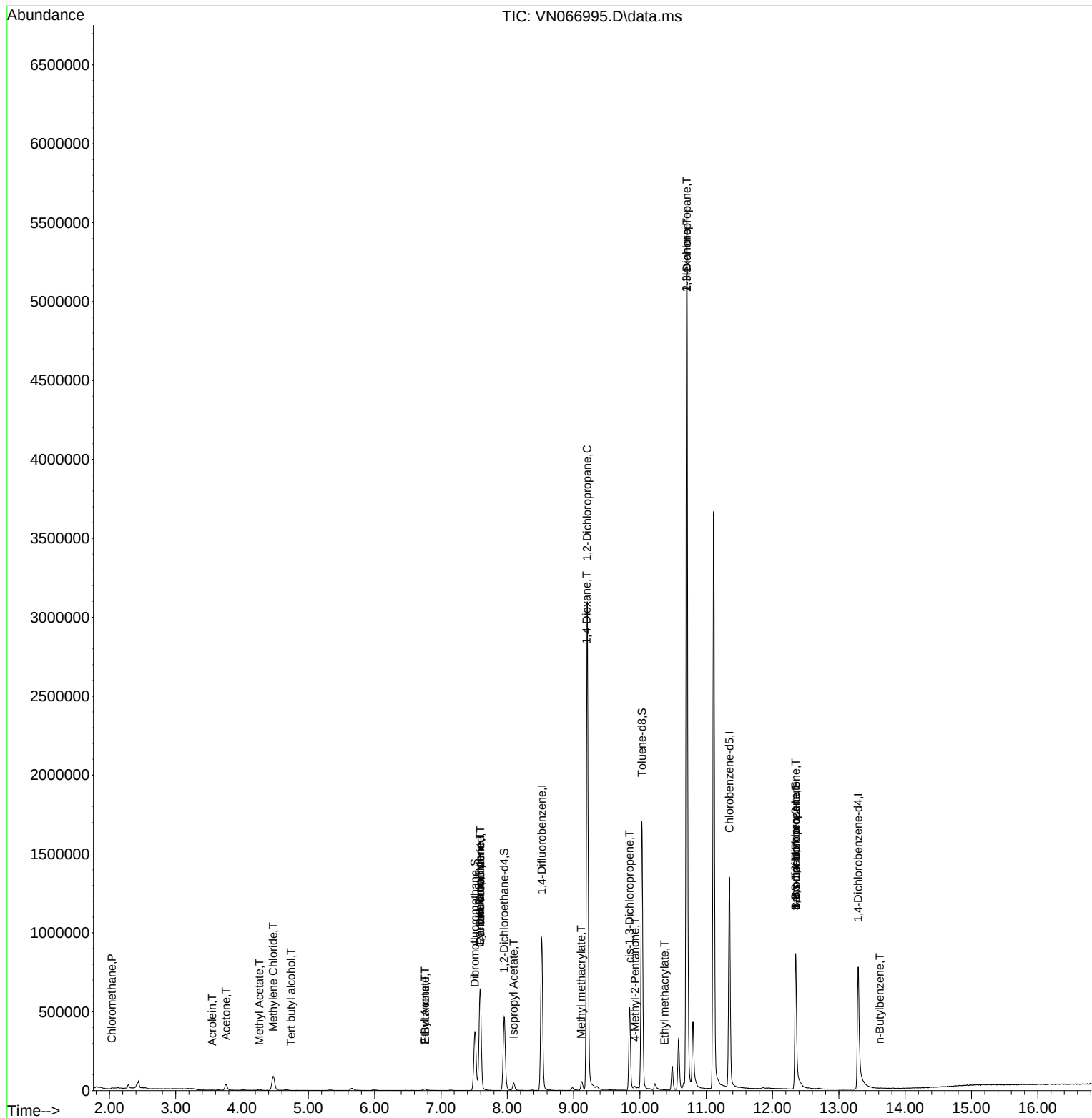
Internal Standards						
1) Pentafluorobenzene	7.592	168	497916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	836215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	769642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	268673	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	416063	53.09	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.18%			
35) Dibromofluoromethane	7.512	113	296273	52.18	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.36%			
50) Toluene-d8	10.030	98	1177169	54.44	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.88%			
62) 4-Bromofluorobenzene	12.350	95	374303	51.12	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.24%			
Target Compounds						
						Qvalue
3) Chloromethane	2.035	50	2277	0.24	ug/l	92
11) Tert butyl alcohol	4.738	59	319	0.29	ug/l #	73
13) Acrolein	3.548	56	790	0.86	ug/l	91
16) Acetone	3.757	43	63486	23.03	ug/l	97
18) Methyl Acetate	4.261	43	11811	1.50	ug/l #	61
20) Methylene Chloride	4.470	84	65876	9.42	ug/l	91
25) 2-Butanone	6.761	43	10928	2.69	ug/l	93
31) Cyclohexane	7.587	56	11587	1.05	ug/l #	1
36) 1,1-Dichloropropene	7.587	75	42531	4.88	ug/l #	49
37) Ethyl Acetate	6.761	43	10928	1.23	ug/l #	68
38) Carbon Tetrachloride	7.592	117	50797	5.59	ug/l #	17
43) Isopropyl Acetate	8.096	43	57246	3.97	ug/l #	88
45) 1,2-Dichloropropane	9.204	63	4359	0.57	ug/l #	44
48) Methyl methacrylate	9.115	41	14346	2.25	ug/l #	10
49) 1,4-Dioxane	9.199	88	254	2.51	ug/l #	1
51) 4-Methyl-2-Pentanone	9.925	43	8045	0.97	ug/l #	71
54) cis-1,3-Dichloropropene	9.845	75	100811	8.79	ug/l #	61
56) Ethyl methacrylate	10.373	69	342	5.22	ug/l #	27
57) 1,3-Dichloropropane	10.706	76	58641	5.19	ug/l #	43
59) 2-Hexanone	10.706	43	819650	147.75	ug/l #	50
71) Bromoform	12.350	173	2143	0.46	ug/l #	1
76) 1,2,3-Trichloropropane	12.347	75	196913	30.77	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.347	75	196913	91.31	ug/l #	12
89) n-Butylbenzene	13.618	91	119	5.25	ug/l #	34

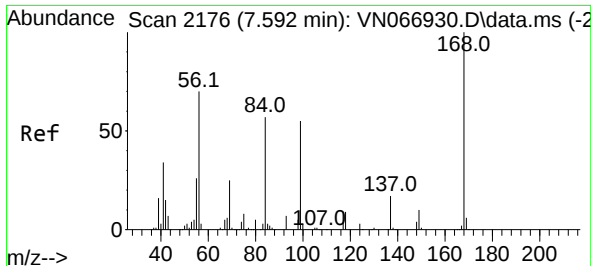
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

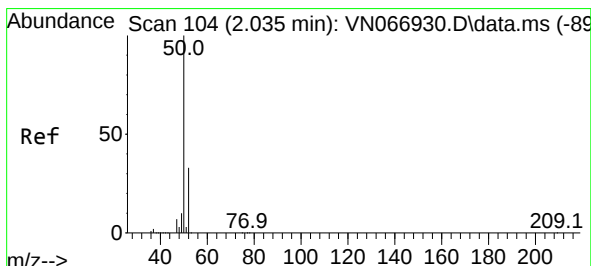
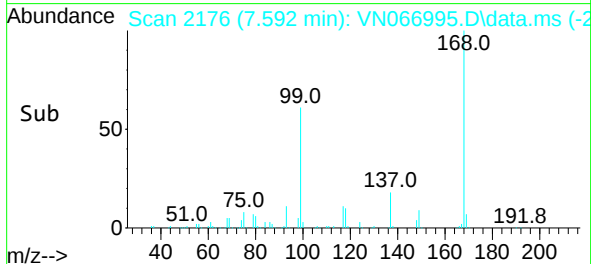
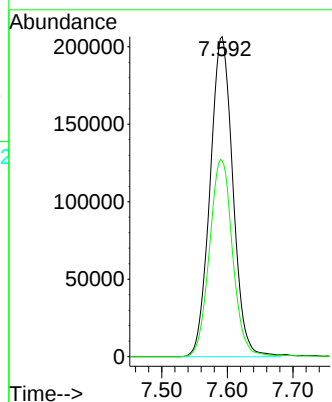
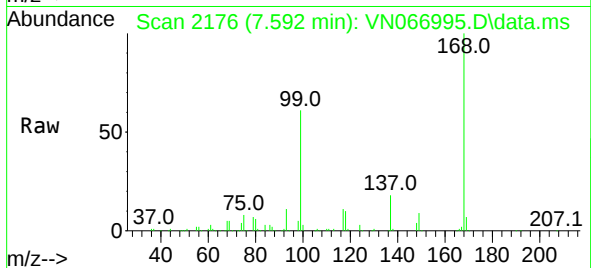




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.000 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

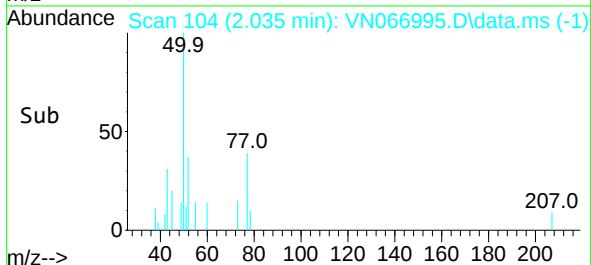
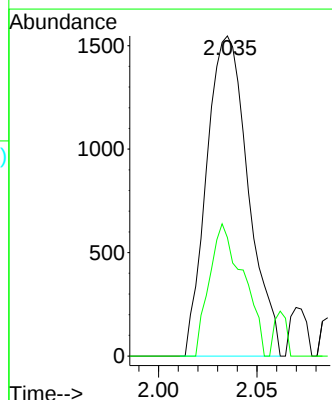
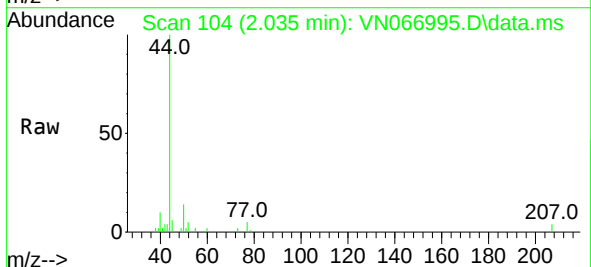
Instrument :
MSVOA_N
ClientSampleId :

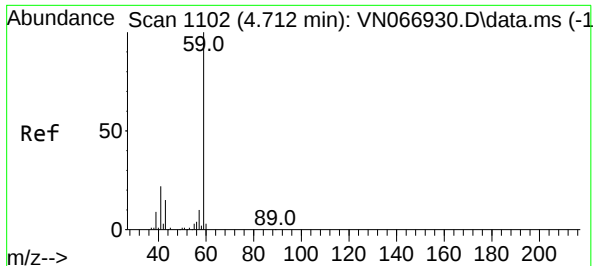
Tgt Ion:168 Resp: 497916
Ion Ratio Lower Upper
168 100
99 61.3 42.6 63.8



#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.035 min Scan# 104
Delta R.T. -0.000 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

Tgt Ion: 50 Resp: 2277
Ion Ratio Lower Upper
50 100
52 37.0 25.8 38.8

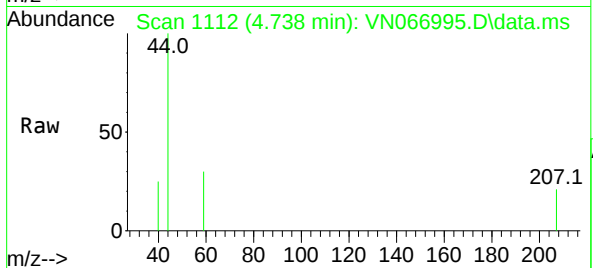




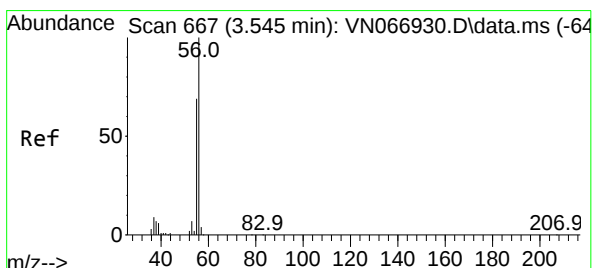
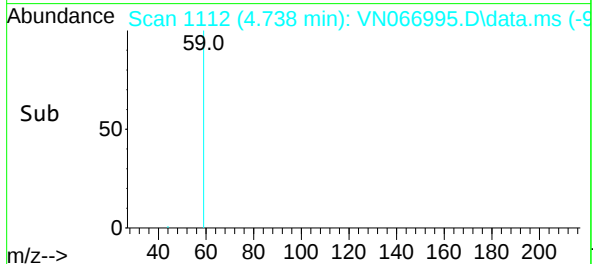
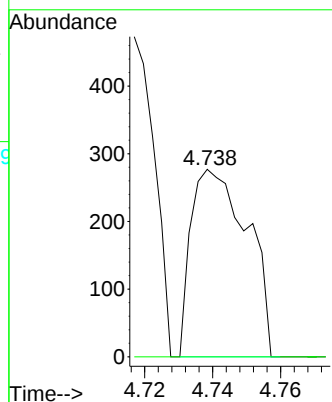
#11

Tert butyl alcohol
Concen: 0.29 ug/l
RT: 4.738 min Scan# 1112
Delta R.T. 0.026 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

Instrument :
MSVOA_N
ClientSampled :



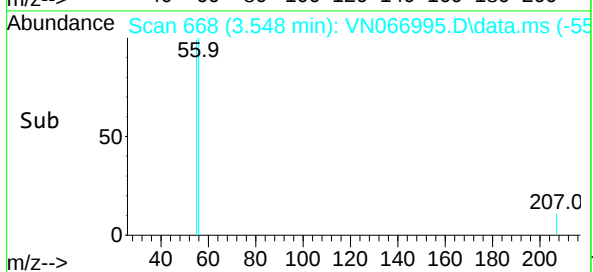
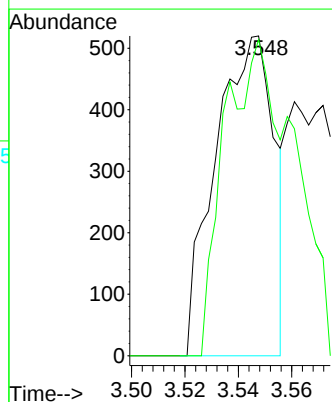
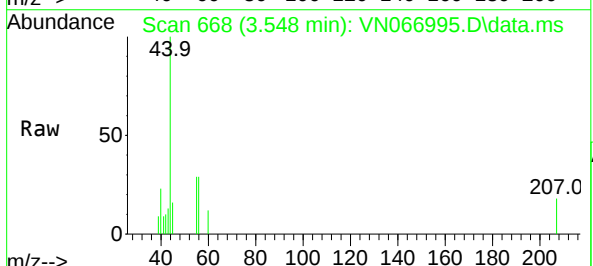
Tgt Ion: 59 Resp: 319
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

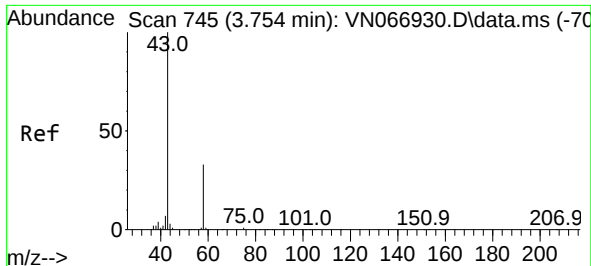


#13

Acrolein
Concen: 0.86 ug/l
RT: 3.548 min Scan# 668
Delta R.T. 0.003 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

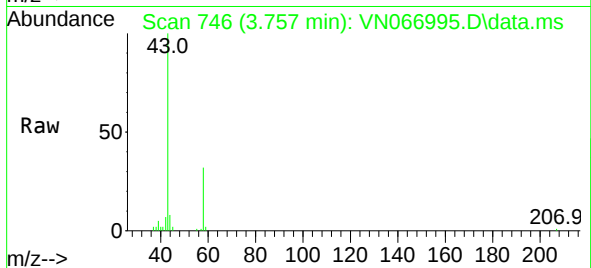
Tgt Ion: 56 Resp: 790
Ion Ratio Lower Upper
56 100
55 77.5 56.0 84.0



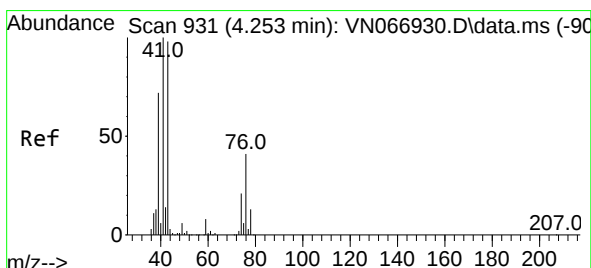
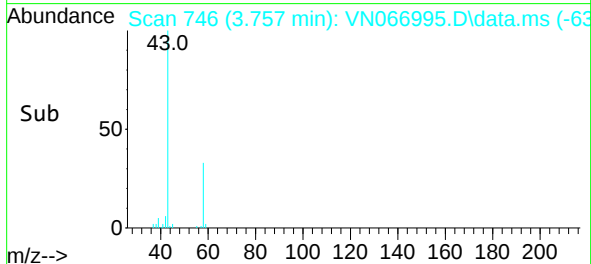
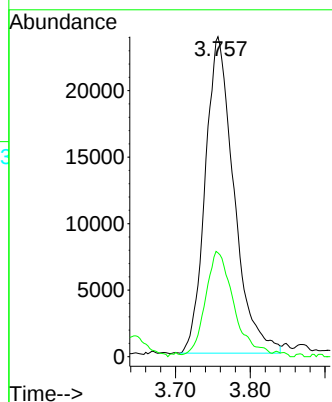


#16
Acetone
Concen: 23.03 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

Instrument :
MSVOA_N
ClientSampled :

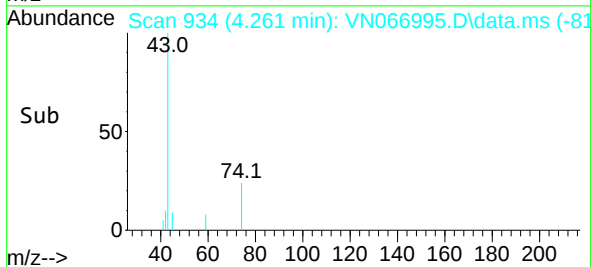
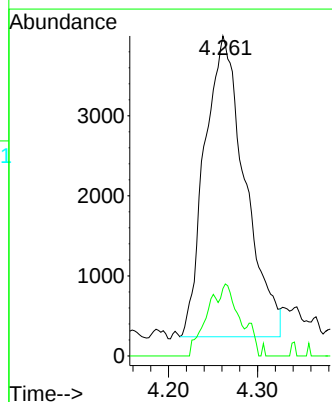
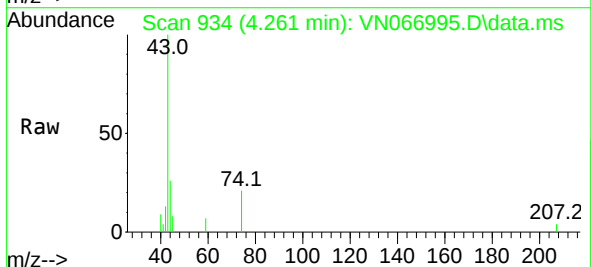


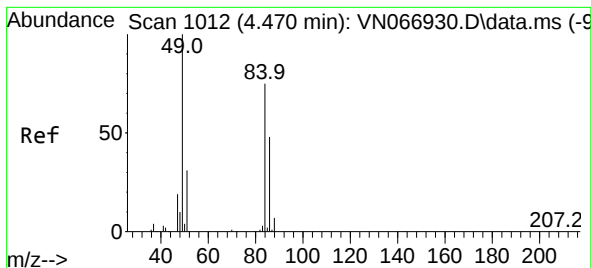
Tgt Ion: 43 Resp: 63486
Ion Ratio Lower Upper
43 100
58 32.1 27.0 40.6



#18
Methyl Acetate
Concen: 1.50 ug/l
RT: 4.261 min Scan# 934
Delta R.T. 0.008 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

Tgt Ion: 43 Resp: 11811
Ion Ratio Lower Upper
43 100
74 5.1 19.5 29.3#





#20

Methylene Chloride

Concen: 9.42 ug/l

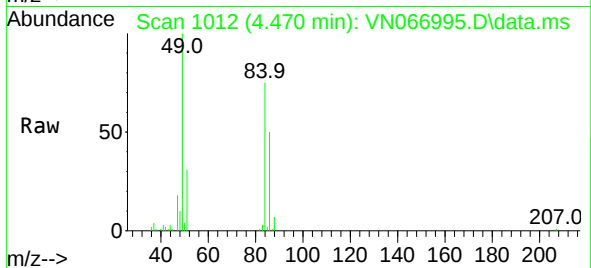
RT: 4.470 min Scan# 1012

Delta R.T. 0.000 min

Lab File: VN066995.D

Acq: 5 May 2021 18:15

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 65876

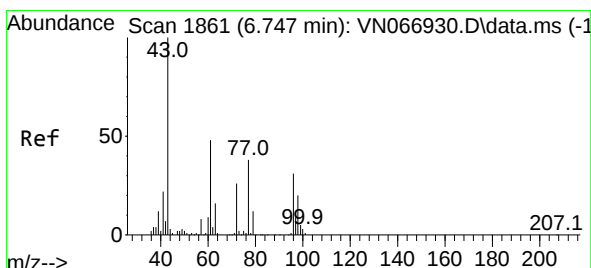
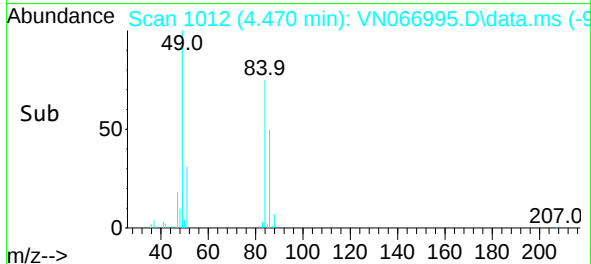
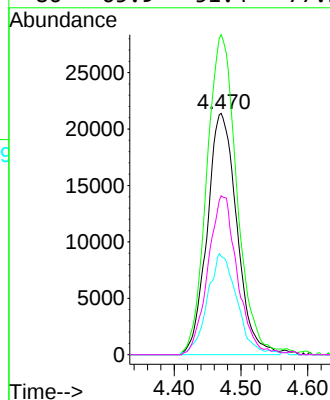
Ion Ratio Lower Upper

84 100

49 132.7 94.6 141.8

51 40.9 29.9 44.9

86 65.9 51.4 77.2



#25

2-Butanone

Concen: 2.69 ug/l

RT: 6.761 min Scan# 1866

Delta R.T. 0.014 min

Lab File: VN066995.D

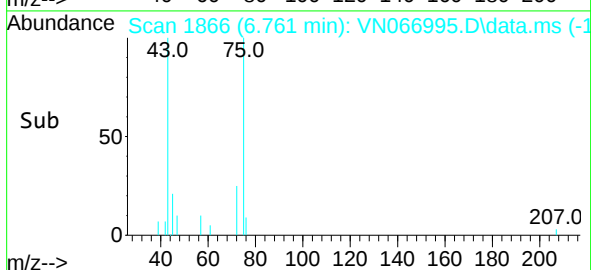
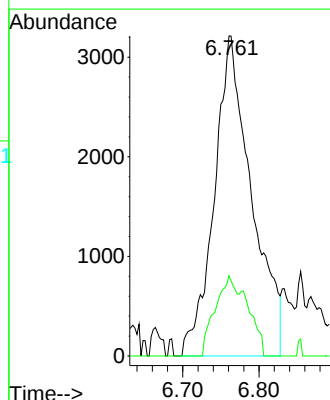
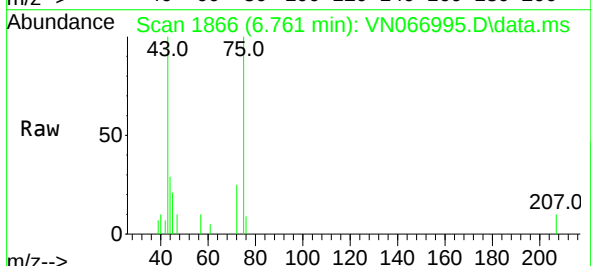
Acq: 5 May 2021 18:15

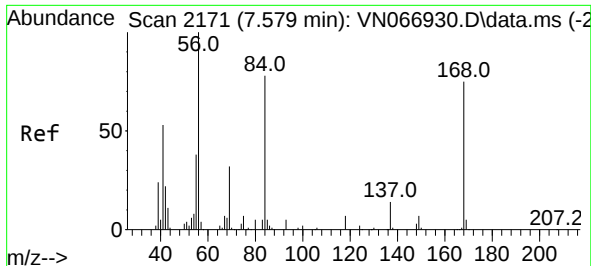
Tgt Ion: 43 Resp: 10928

Ion Ratio Lower Upper

43 100

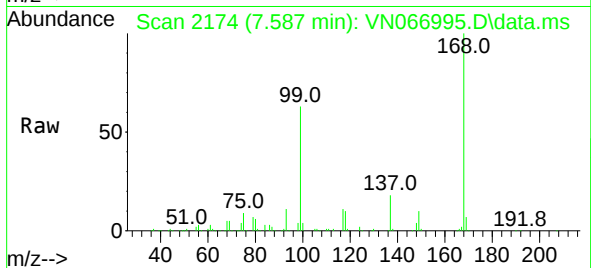
72 25.1 23.1 34.7



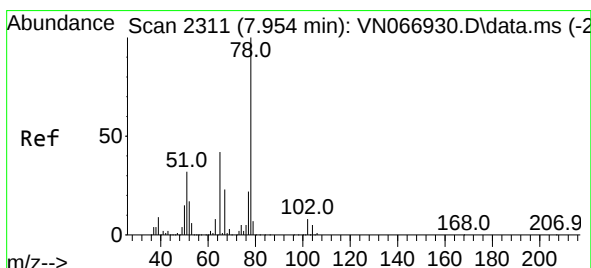
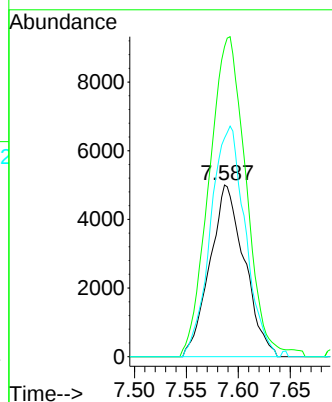
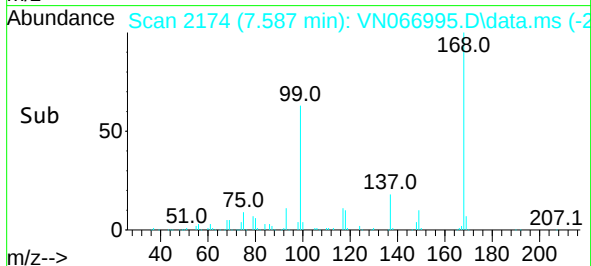


#31
Cyclohexane
Concen: 1.05 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. 0.008 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

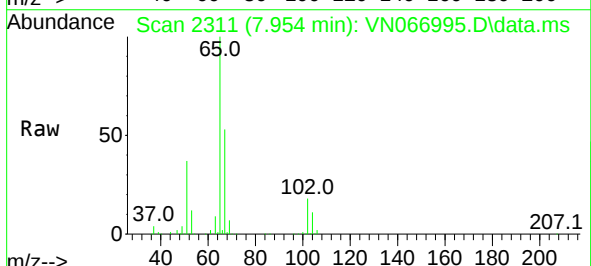
Instrument :
MSVOA_N
ClientSampled :



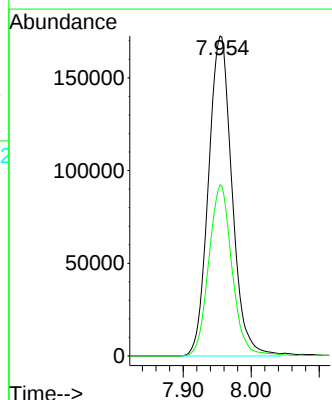
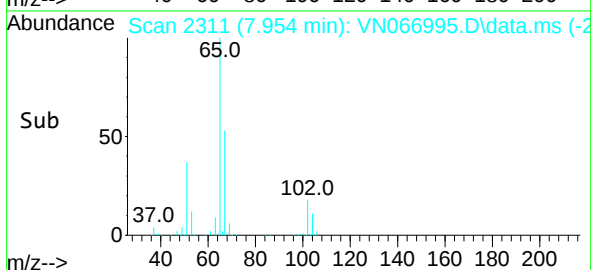
Tgt Ion: 56 Resp: 11587
Ion Ratio Lower Upper
56 100
69 180.6 26.6 39.8#
84 127.4 70.4 105.6#

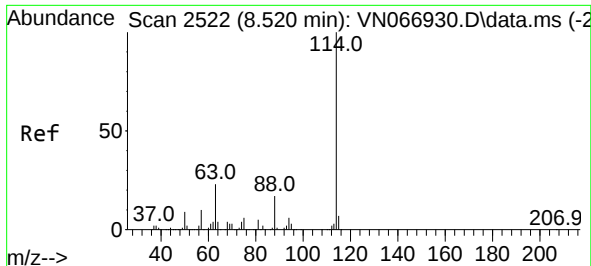


#33
1,2-Dichloroethane-d4
Concen: 53.09 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15



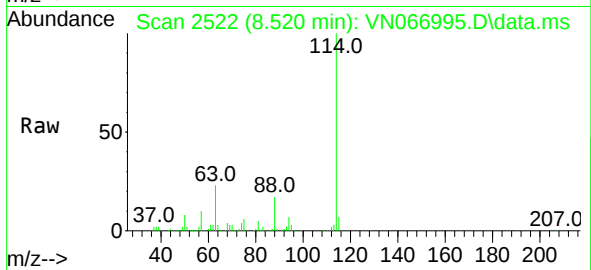
Tgt Ion: 65 Resp: 416063
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.2



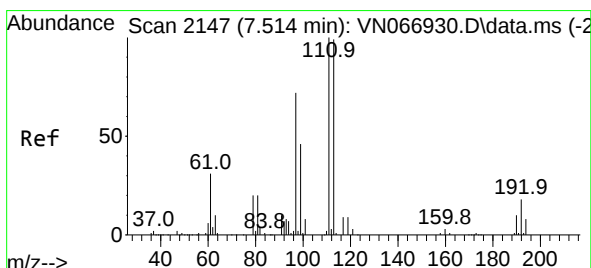
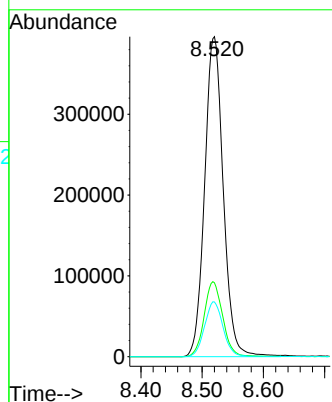
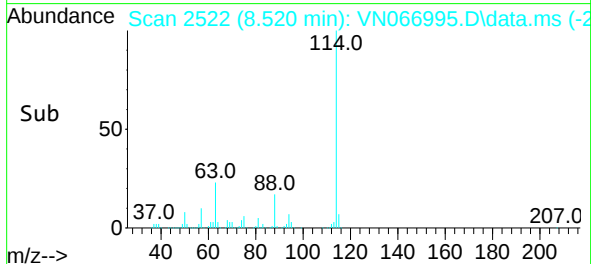


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

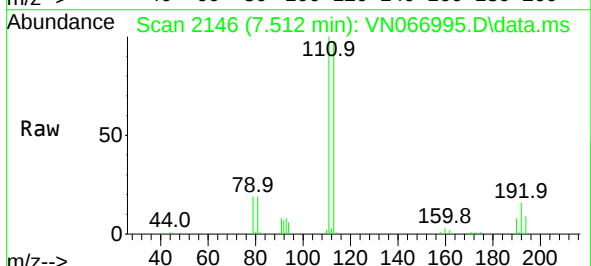
Instrument :
MSVOA_N
ClientSampled :



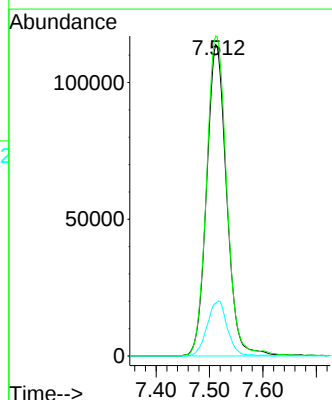
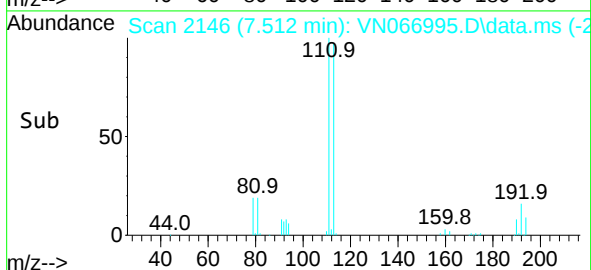
Tgt Ion:114 Resp: 836215
Ion Ratio Lower Upper
114 100
63 23.1 0.0 38.6
88 17.1 0.0 30.6

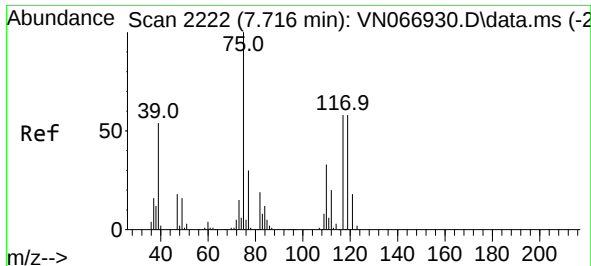


#35
Dibromofluoromethane
Concen: 52.18 ug/l
RT: 7.512 min Scan# 2146
Delta R.T. -0.002 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15



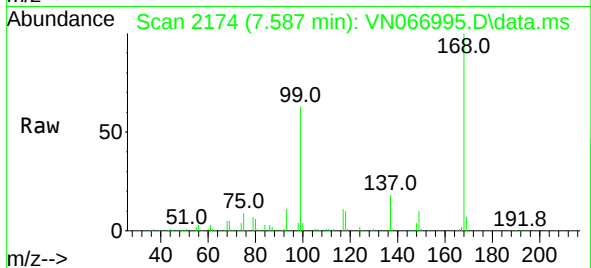
Tgt Ion:113 Resp: 296273
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 17.6 15.4 23.0



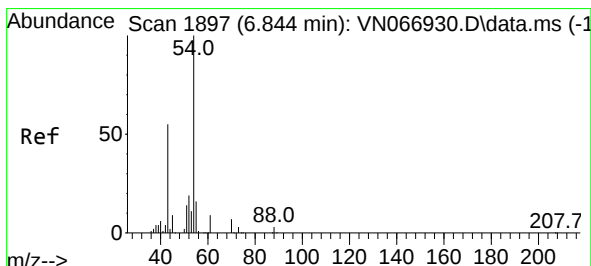
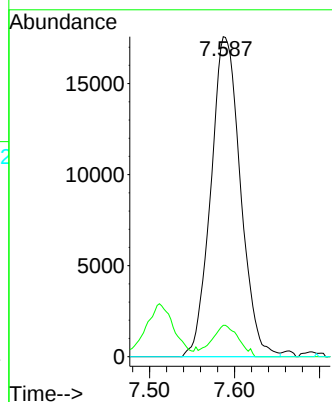
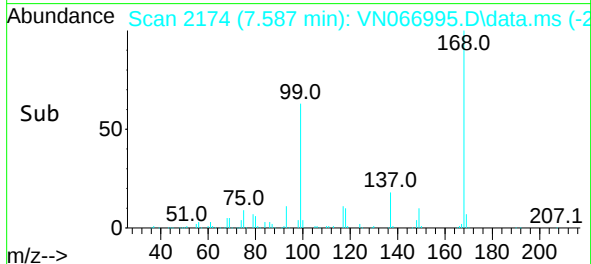


#36
 1,1-Dichloropropene
 Concen: 4.88 ug/l
 RT: 7.587 min Scan# 2174
 Delta R.T. -0.129 min
 Lab File: VN066995.D
 Acq: 5 May 2021 18:15

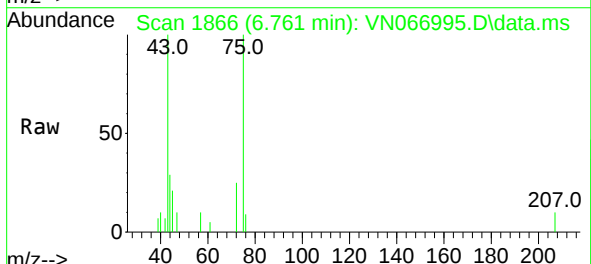
Instrument :
 MSVOA_N
 ClientSampleId :



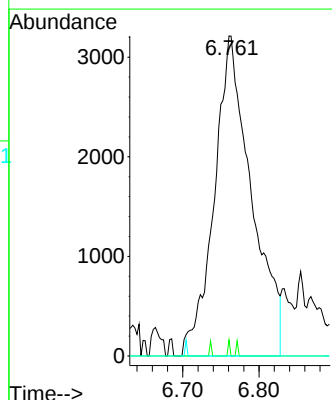
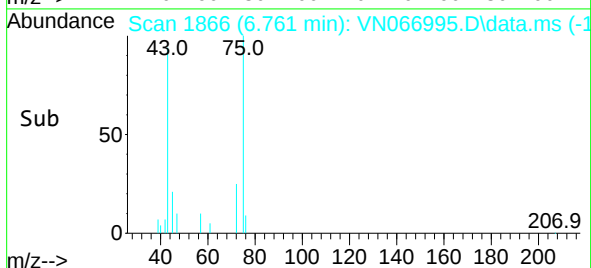
Tgt Ion: 75 Resp: 42531
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.2 54.6#
 77 0.0 24.9 37.3#

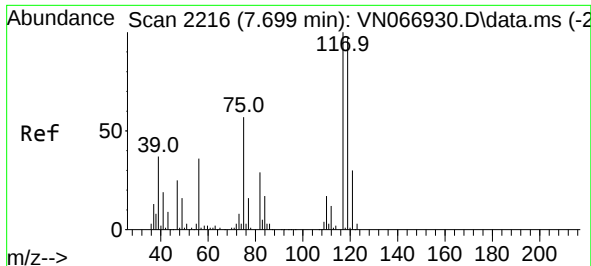


#37
 Ethyl Acetate
 Concen: 1.23 ug/l
 RT: 6.761 min Scan# 1866
 Delta R.T. -0.083 min
 Lab File: VN066995.D
 Acq: 5 May 2021 18:15



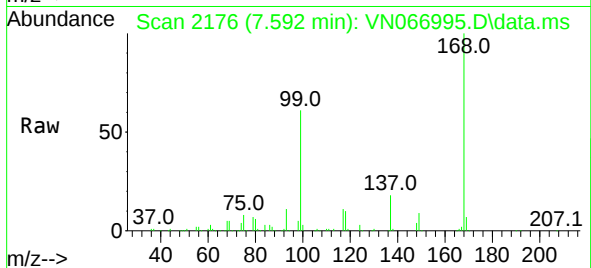
Tgt Ion: 43 Resp: 10928
 Ion Ratio Lower Upper
 43 100
 61 0.2 11.6 17.4#
 70 0.0 8.6 13.0#



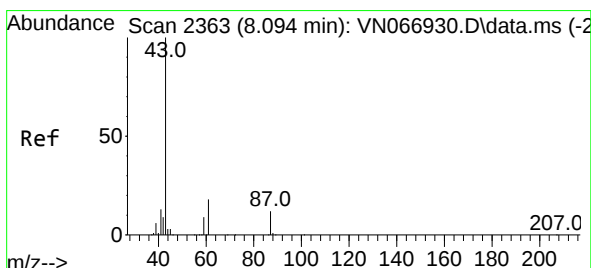
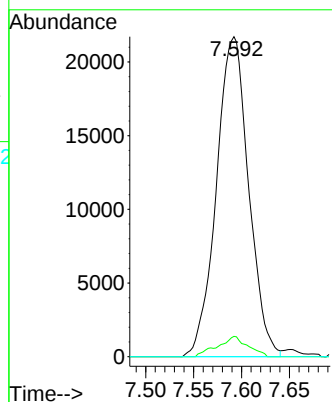
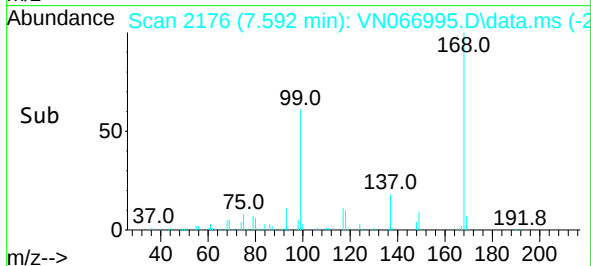


#38
Carbon Tetrachloride
Concen: 5.59 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.107 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

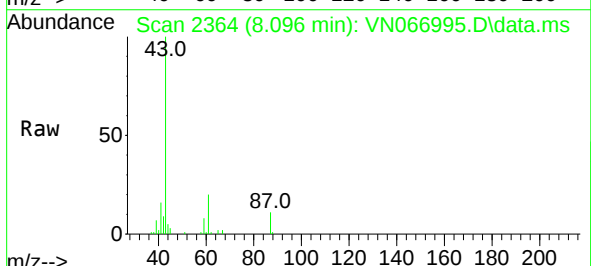
Instrument :
MSVOA_N
ClientSampled :



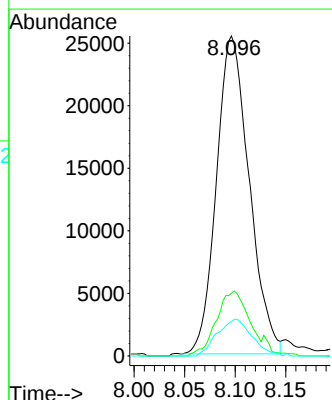
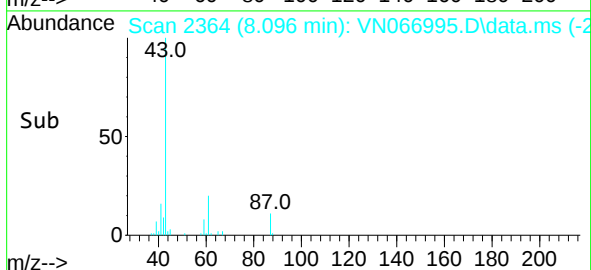
Tgt Ion: 117 Resp: 50797
Ion Ratio Lower Upper
117 100
119 6.4 76.0 114.0#
121 0.0 24.5 36.7#

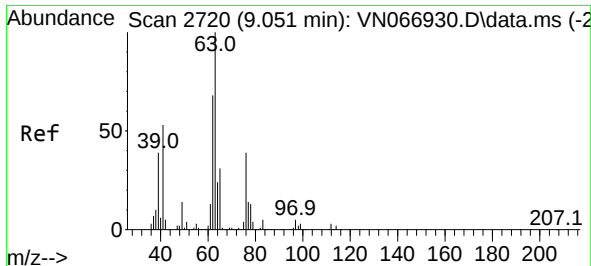


#43
Isopropyl Acetate
Concen: 3.97 ug/l
RT: 8.096 min Scan# 2364
Delta R.T. 0.002 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15



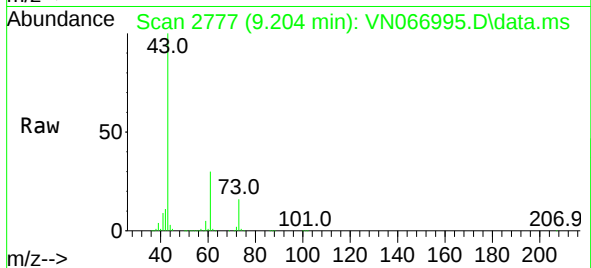
Tgt Ion: 43 Resp: 57246
Ion Ratio Lower Upper
43 100
61 20.1 22.5 33.7#
87 12.2 11.1 16.7



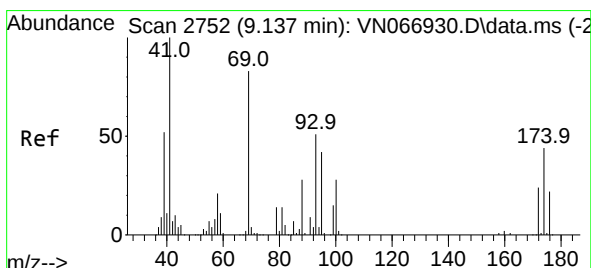
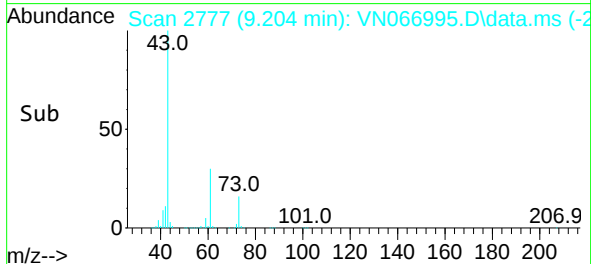
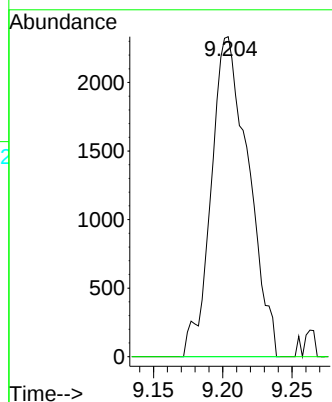


#45
1,2-Dichloropropane
Concen: 0.57 ug/l
RT: 9.204 min Scan# 2777
Delta R.T. 0.153 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

Instrument :
MSVOA_N
ClientSampled :

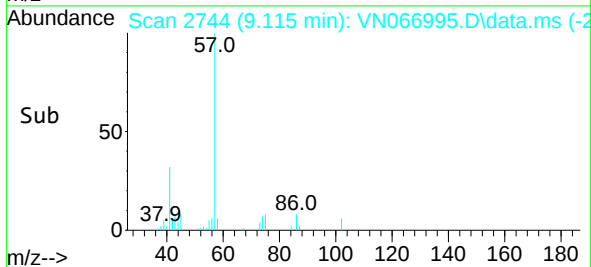
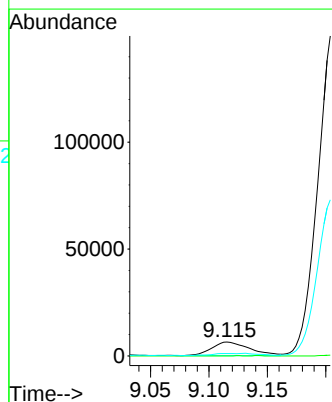
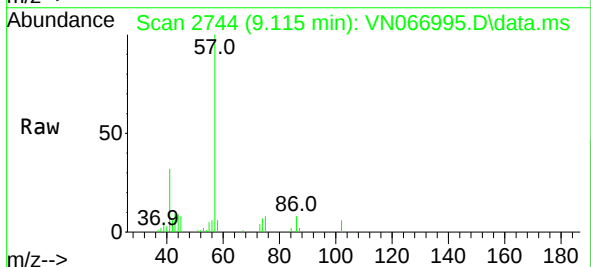


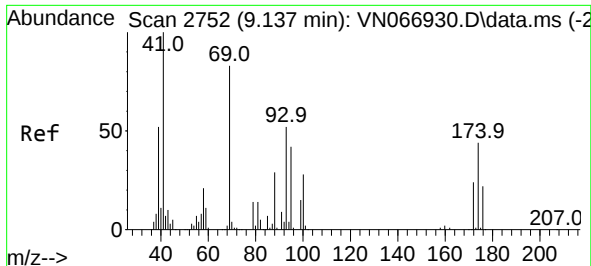
Tgt Ion: 63 Resp: 4359
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 2.25 ug/l
RT: 9.115 min Scan# 2744
Delta R.T. -0.022 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

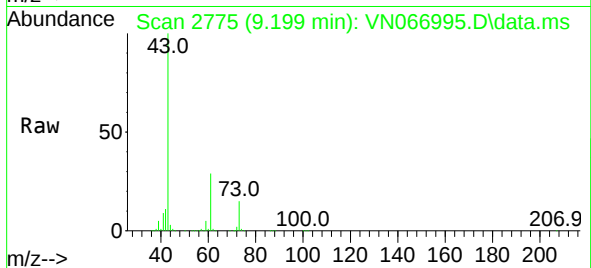
Tgt Ion: 41 Resp: 14346
Ion Ratio Lower Upper
41 100
69 0.4 75.9 113.9#
39 0.0 46.6 69.8#



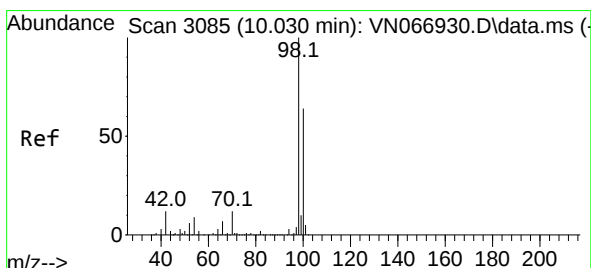
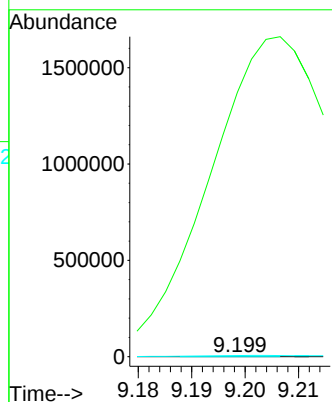
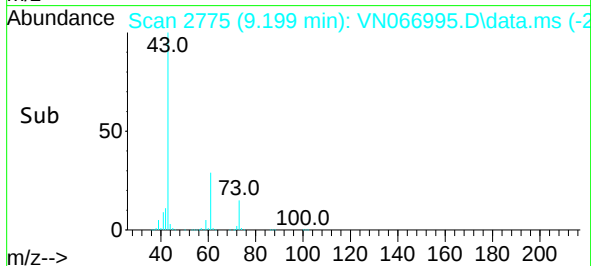


#49
1,4-Dioxane
Concen: 2.51 ug/l
RT: 9.199 min Scan# 2775
Delta R.T. 0.062 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

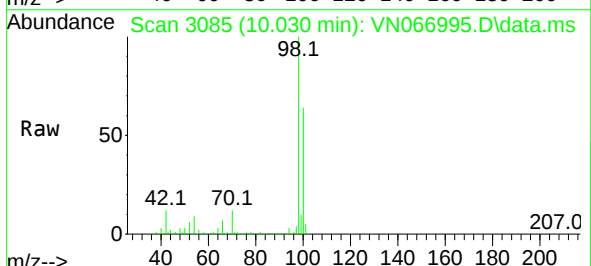
Instrument :
MSVOA_N
ClientSampled :



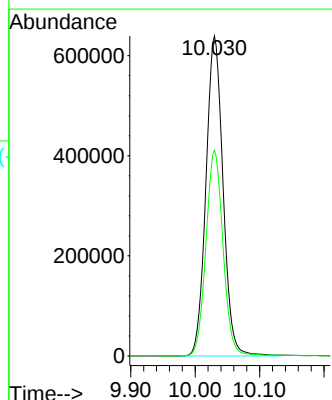
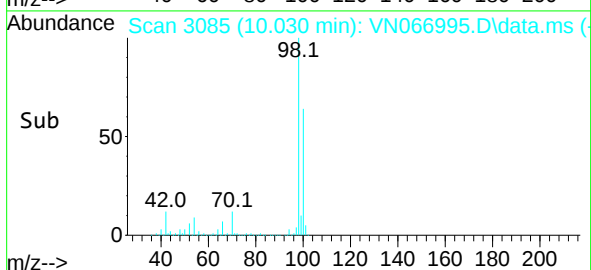
Tgt Ion: 88 Resp: 254
Ion Ratio Lower Upper
88 100
43 1235078.3 24.7 37.1#
58 5291.3 52.6 78.8#

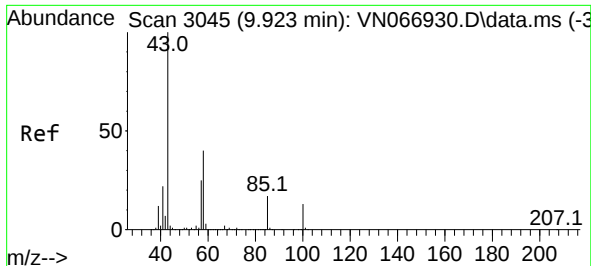


#50
Toluene-d8
Concen: 54.44 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15



Tgt Ion: 98 Resp: 1177169
Ion Ratio Lower Upper
98 100
100 64.3 50.5 75.7

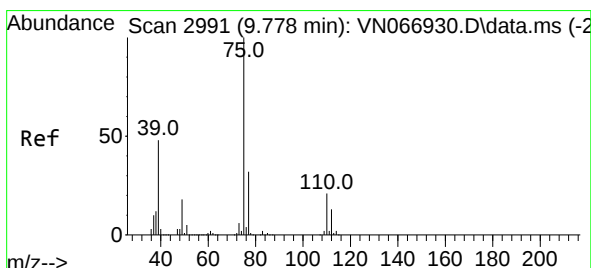
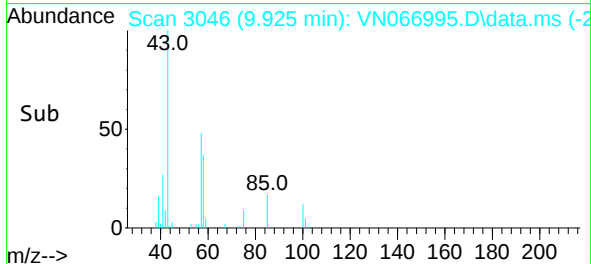
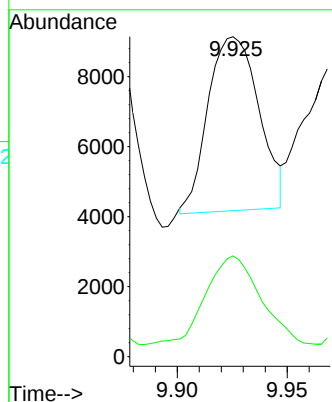
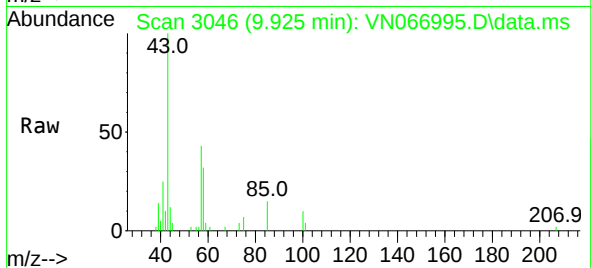




#51
4-Methyl-2-Pentanone
Concen: 0.97 ug/l
RT: 9.925 min Scan# 3046
Delta R.T. 0.002 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

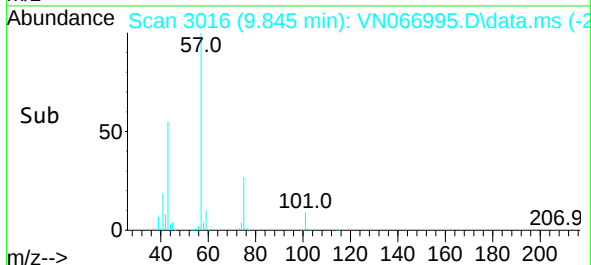
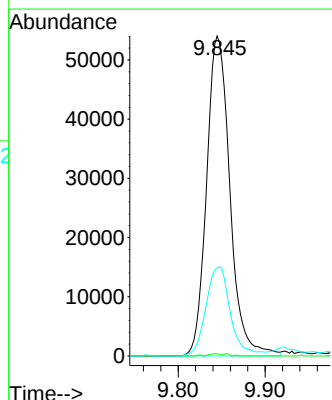
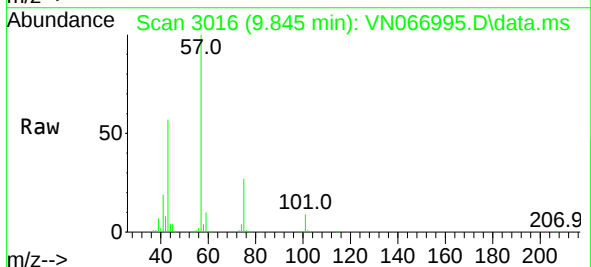
Instrument :
MSVOA_N
ClientSampled :

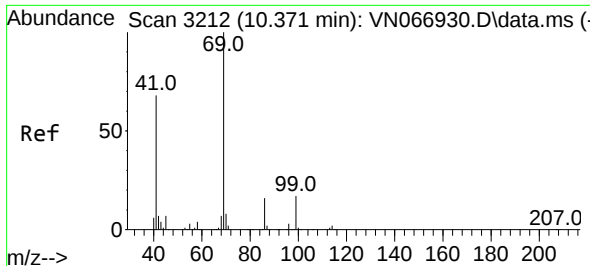
Tgt Ion: 43 Resp: 8045
Ion Ratio Lower Upper
43 100
58 58.7 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 8.79 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

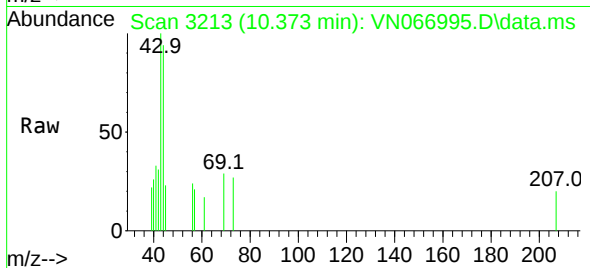
Tgt Ion: 75 Resp: 100811
Ion Ratio Lower Upper
75 100
77 0.7 24.9 37.3#
39 27.4 36.2 54.4#



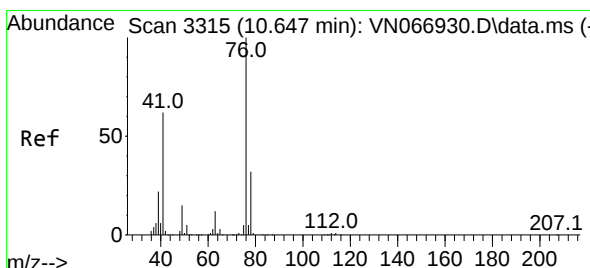
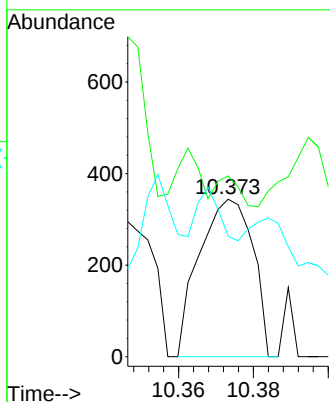
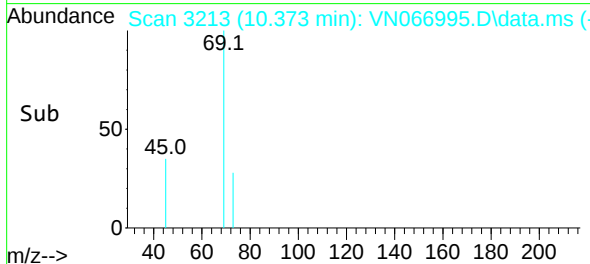


#56
Ethyl methacrylate
Concen: 5.22 ug/l
RT: 10.373 min Scan# 3213
Delta R.T. 0.002 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

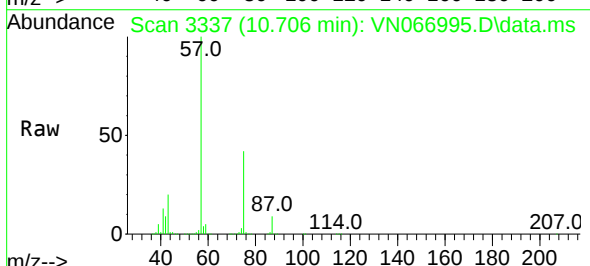
Instrument :
MSVOA_N
ClientSampled :



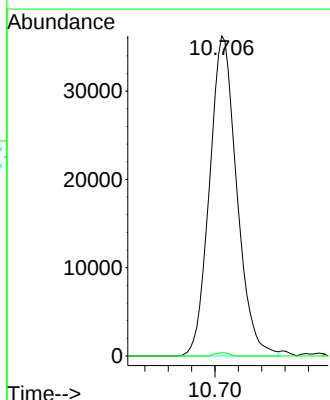
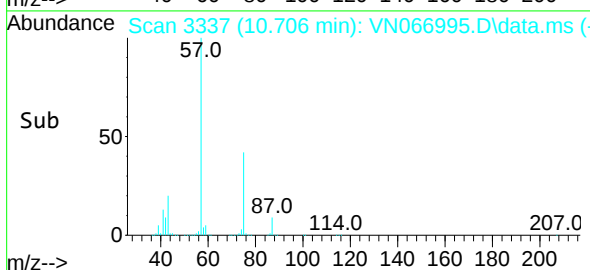
Tgt Ion: 69 Resp: 342
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

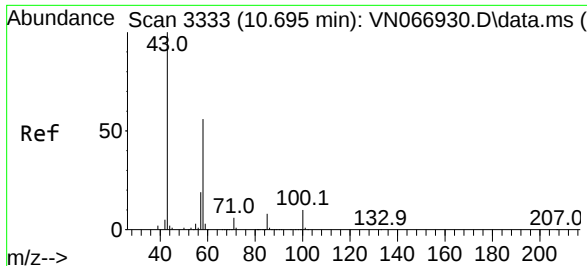


#57
1,3-Dichloropropane
Concen: 5.19 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.059 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15



Tgt Ion: 76 Resp: 58641
Ion Ratio Lower Upper
76 100
78 0.5 25.7 38.5#

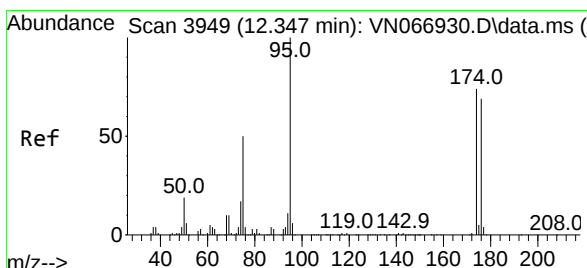
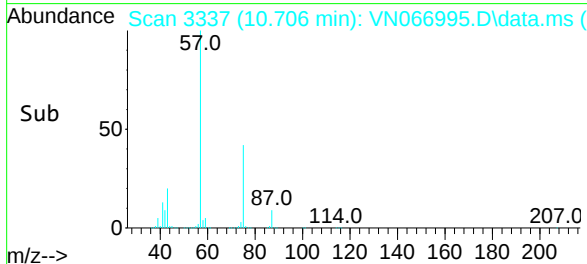
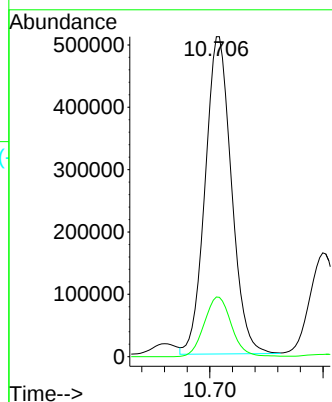
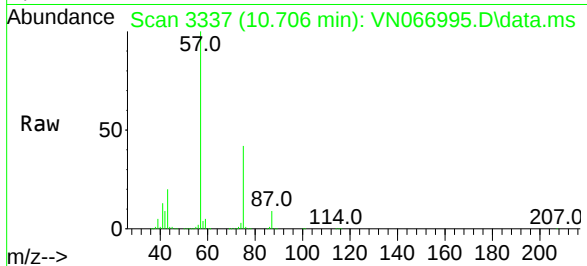




#59
2-Hexanone
Concen: 147.75 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.011 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

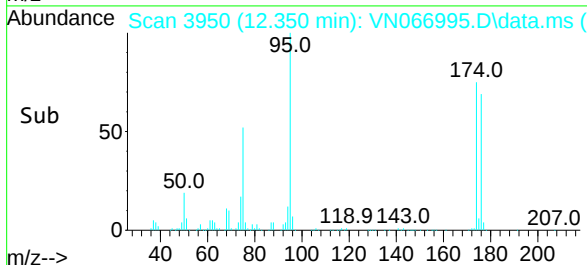
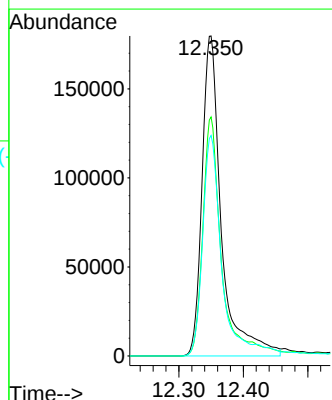
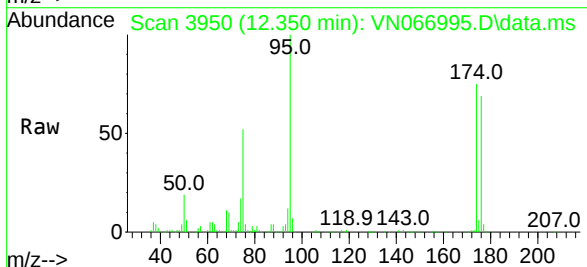
Instrument :
MSVOA_N
ClientSampled :

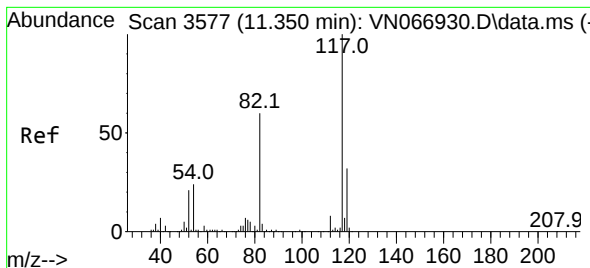
Tgt Ion: 43 Resp: 819650
Ion Ratio Lower Upper
43 100
58 19.6 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 51.12 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

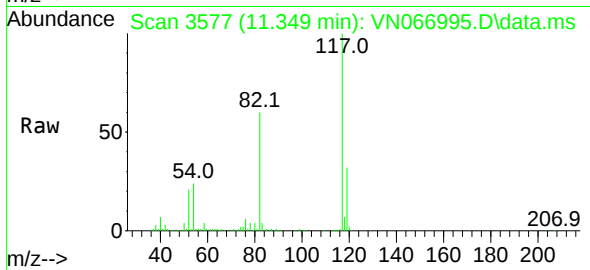
Tgt Ion: 95 Resp: 374303
Ion Ratio Lower Upper
95 100
174 72.5 0.0 169.0
176 65.2 0.0 162.4



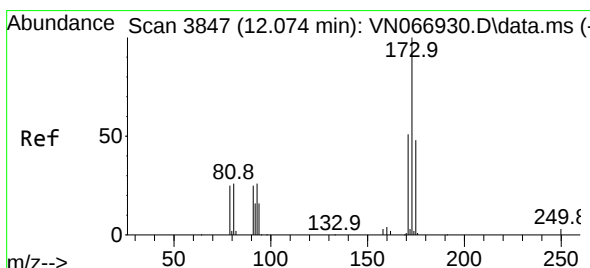
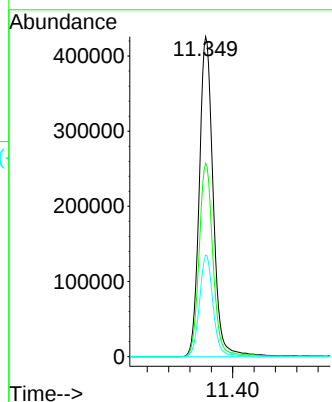
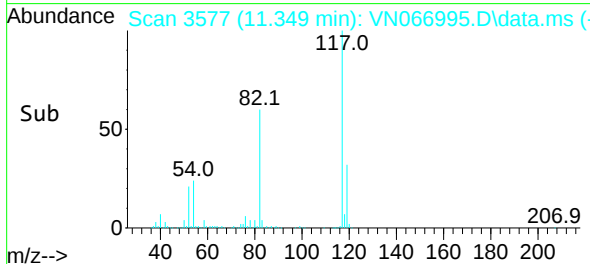


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3577
Delta R.T. -0.001 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

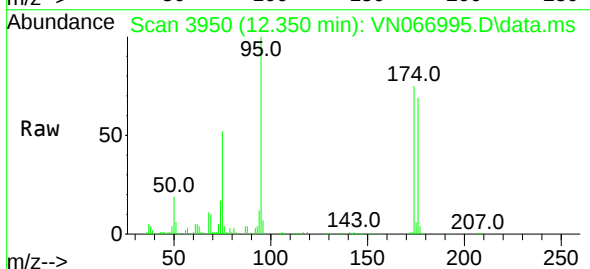
Instrument :
MSVOA_N
ClientSampleId :



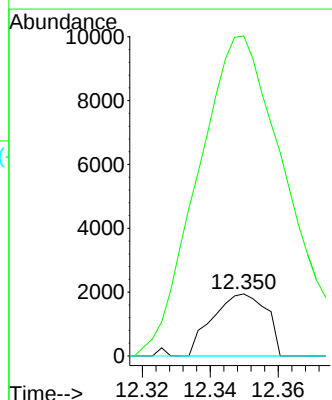
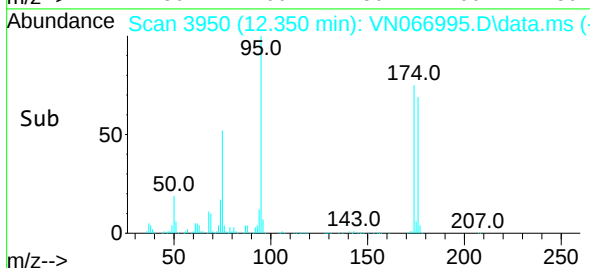
Tgt Ion:117 Resp: 769642
Ion Ratio Lower Upper
117 100
82 60.4 43.7 65.5
119 31.8 26.1 39.1

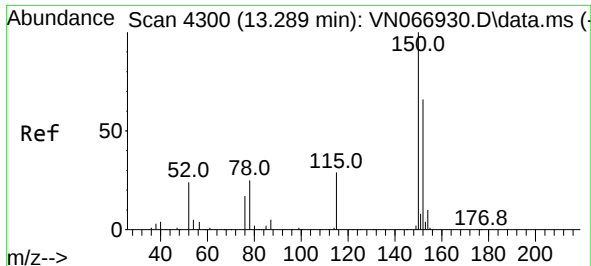


#71
Bromoform
Concen: 0.46 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.276 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15



Tgt Ion:173 Resp: 2143
Ion Ratio Lower Upper
173 100
175 740.3 23.8 71.2#
254 0.0 0.0 0.0

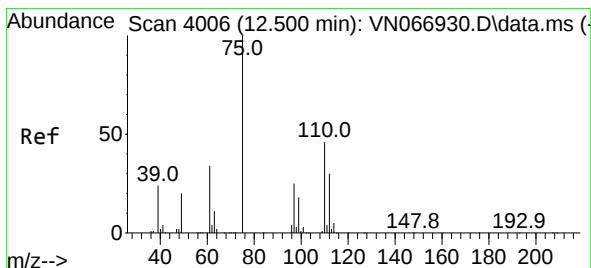
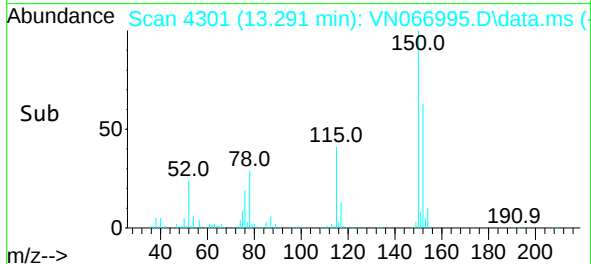
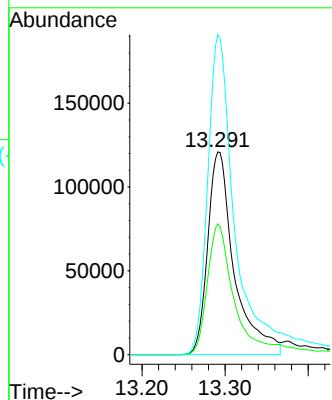
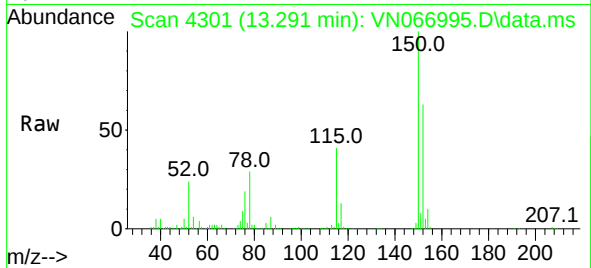




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4301
Delta R.T. 0.002 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

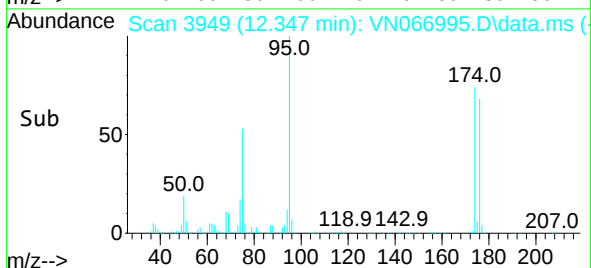
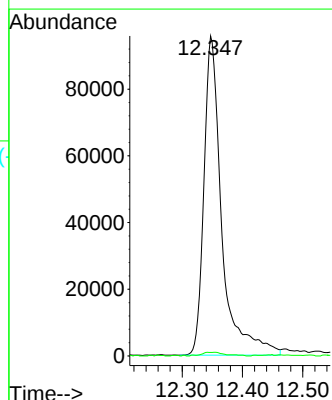
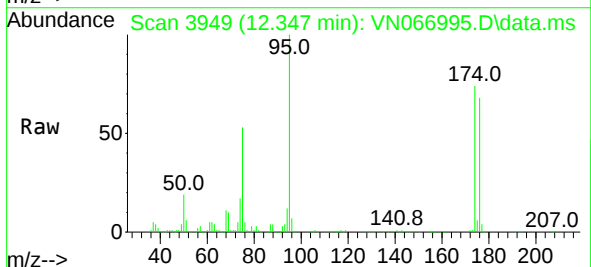
Instrument :
MSVOA_N
ClientSampleId :

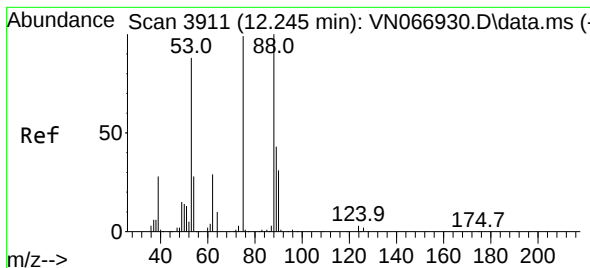
Tgt Ion:152 Resp: 268673
Ion Ratio Lower Upper
152 100
115 67.7 28.5 85.6
150 173.2 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 30.77 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. -0.153 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

Tgt Ion: 75 Resp: 196913
Ion Ratio Lower Upper
75 100
77 0.4 0.0 0.0#

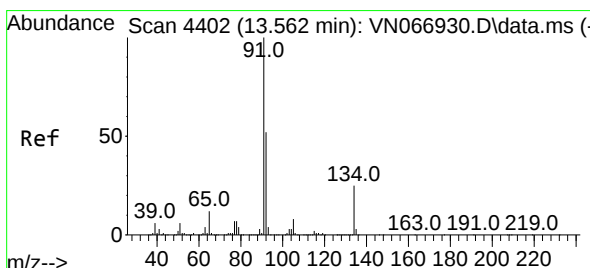
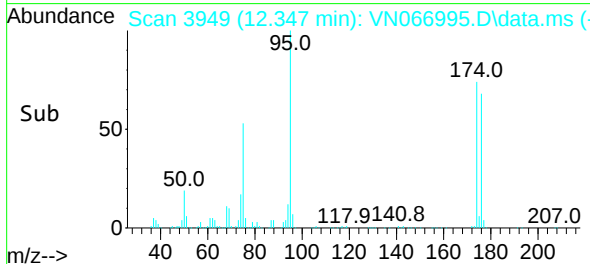
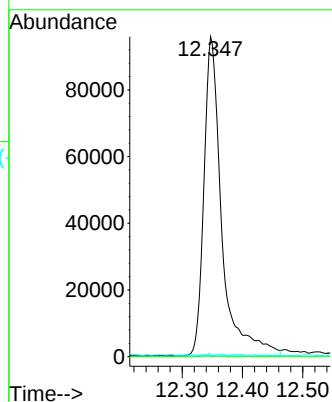
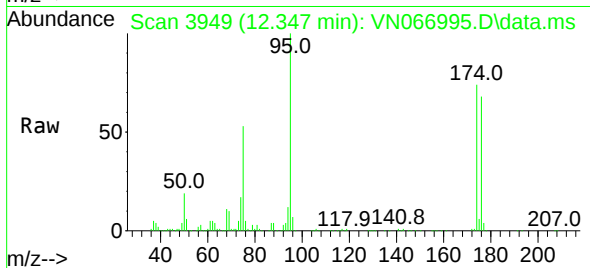




#81
trans-1,4-Dichloro-2-butene
Concen: 91.31 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. 0.102 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 196913
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 0.1 35.8 53.8#



#89
n-Butylbenzene
Concen: 5.25 ug/l
RT: 13.618 min Scan# 4423
Delta R.T. 0.056 min
Lab File: VN066995.D
Acq: 5 May 2021 18:15

Tgt Ion: 91 Resp: 119
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 0.0 13.0 38.9#

