

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042321\
 Data File : VN066750.D
 Acq On : 23 Apr 2021 20:08
 Operator : JC/MD
 Sample : M2152-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 26 09:14:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 22 08:25:55 2021
 Response via : Initial Calibration

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

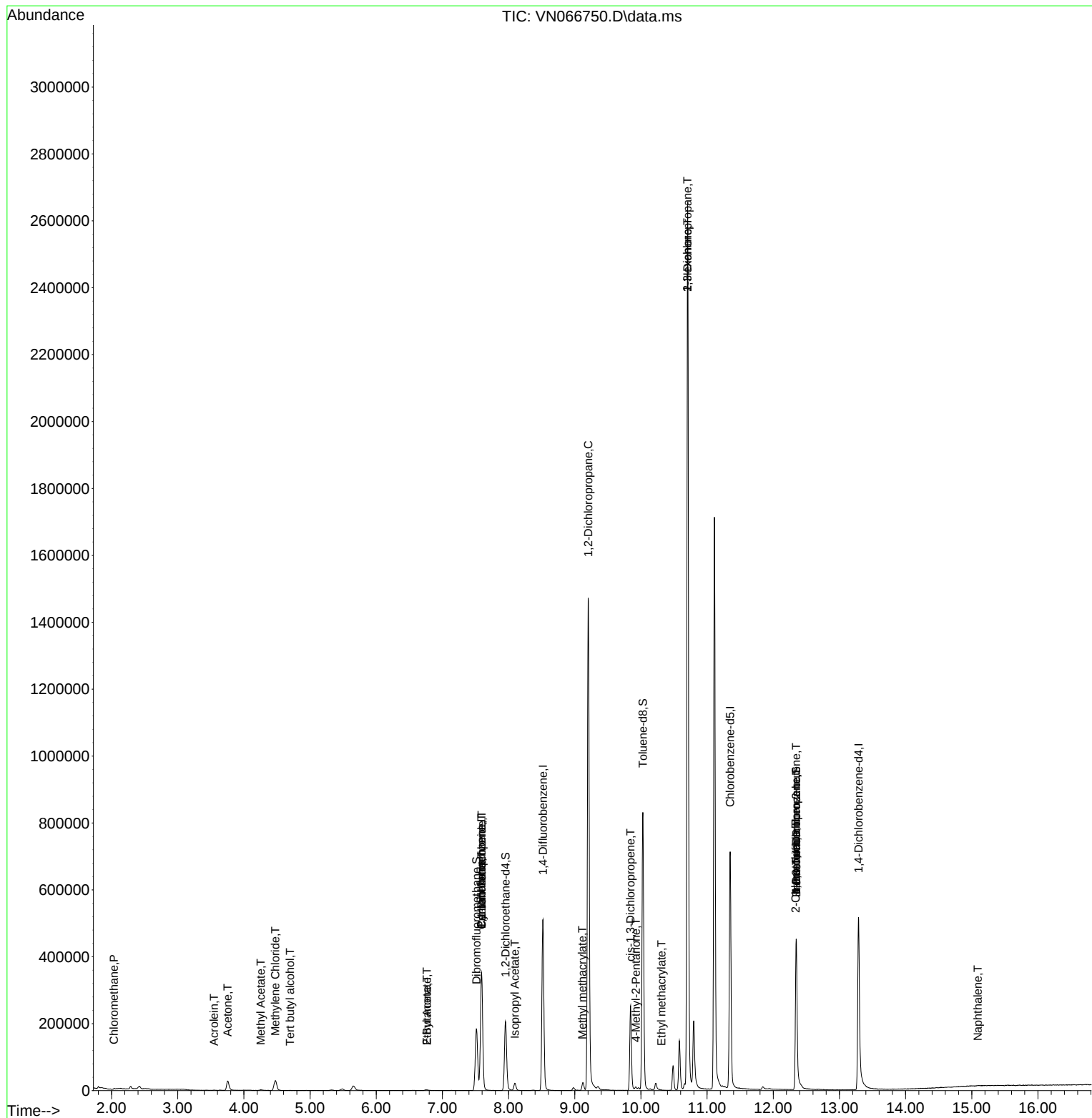
Internal Standards						
1) Pentafluorobenzene	7.591	168	307772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	477073	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	442243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.288	152	188474	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	177991	47.34	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 94.68%			
35) Dibromofluoromethane	7.516	113	149387	50.00	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.00%			
50) Toluene-d8	10.029	98	591281	50.75	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.50%			
62) 4-Bromofluorobenzene	12.346	95	184486	46.24	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.48%			
Target Compounds						Qvalue
3) Chloromethane	2.037	50	1047	0.21	ug/l	94
11) Tert butyl alcohol	4.697	59	220	0.46	ug/l #	73
13) Acrolein	3.547	56	522	0.99	ug/l #	15
16) Acetone	3.756	43	49078	34.87	ug/l	98
18) Methyl Acetate	4.255	43	4474	1.15	ug/l #	86
20) Methylene Chloride	4.475	84	22951	5.48	ug/l	99
25) 2-Butanone	6.765	43	3897	1.93	ug/l	90
31) Cyclohexane	7.591	56	5555	0.91	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	21383	4.82	ug/l #	48
37) Ethyl Acetate	6.765	43	3897	0.84	ug/l #	68
38) Carbon Tetrachloride	7.594	117	26665	6.32	ug/l #	17
43) Isopropyl Acetate	8.095	43	28086	3.78	ug/l #	88
45) 1,2-Dichloropropane	9.206	63	1845	0.48	ug/l #	44
48) Methyl methacrylate	9.114	41	6109	1.87	ug/l #	10
51) 4-Methyl-2-Pentanone	9.924	43	6699	1.61	ug/l	98
54) cis-1,3-Dichloropropene	9.844	75	47390	8.27	ug/l #	61
56) Ethyl methacrylate	10.311	69	93	3.17	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	27137	4.86	ug/l #	43
59) 2-Hexanone	10.705	43	380833	130.45	ug/l #	50
71) Bromoform	12.349	173	1311	0.53	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	90070	22.33	ug/l #	100
79) 2-Chlorotoluene	12.341	91	430	0.98	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.346	75	90070	66.36	ug/l #	12
95) Naphthalene	15.090	128	631	1.92	ug/l #	69

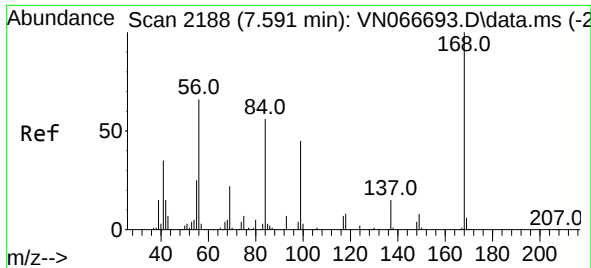
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

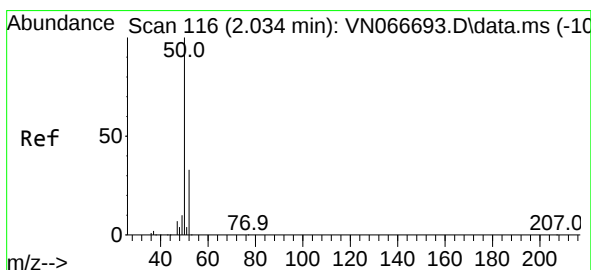
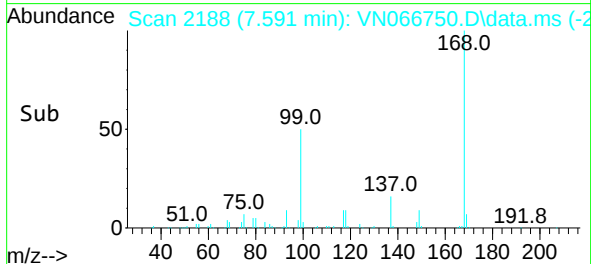
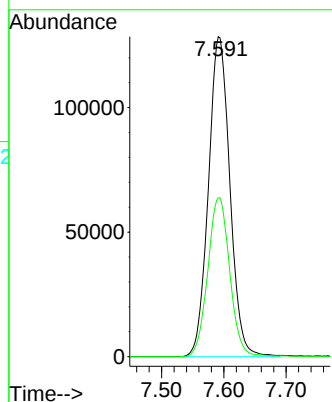
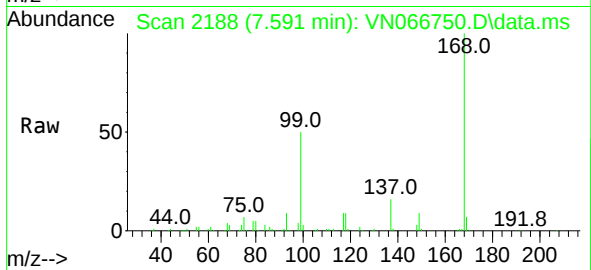




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

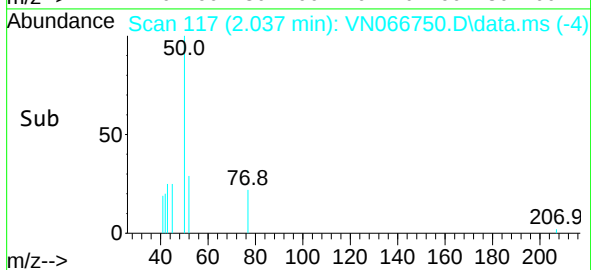
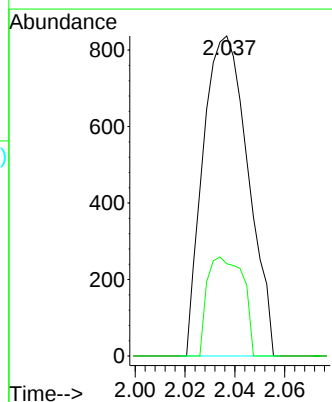
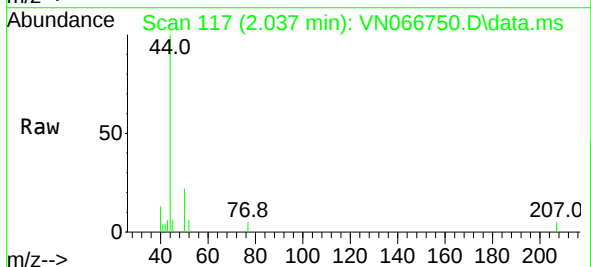
Instrument :
MSVOA_N
ClientSampled :

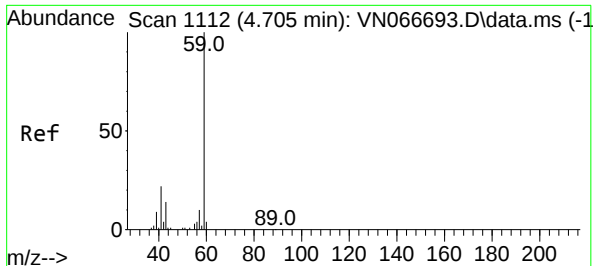
Tgt Ion:168 Resp: 307772
Ion Ratio Lower Upper
168 100
99 49.7 42.6 63.8



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

Tgt Ion: 50 Resp: 1047
Ion Ratio Lower Upper
50 100
52 28.8 25.8 38.8



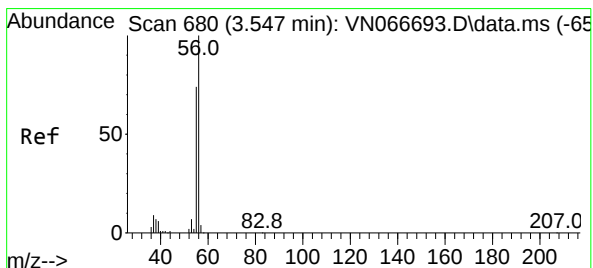
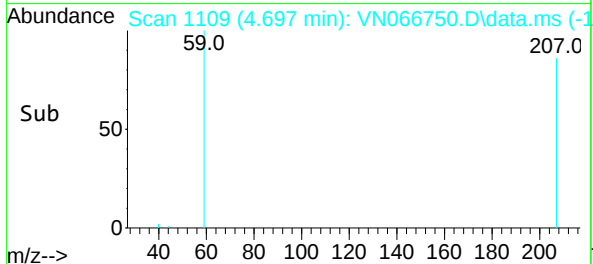
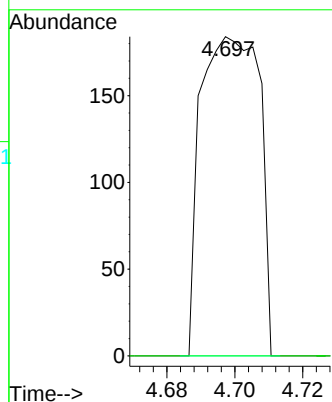
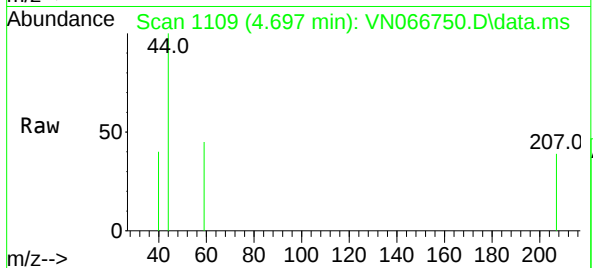


#11

Tert butyl alcohol
Concen: 0.46 ug/l
RT: 4.697 min Scan# 1109
Delta R.T. -0.008 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

Instrument :
MSVOA_N
ClientSampled :

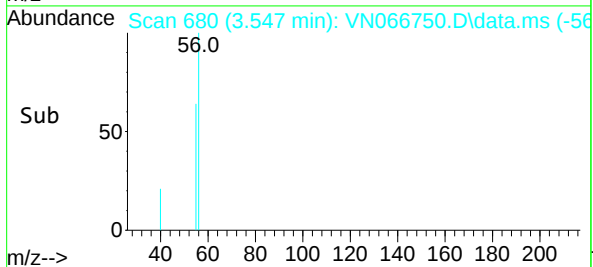
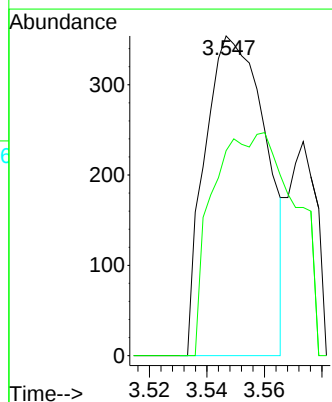
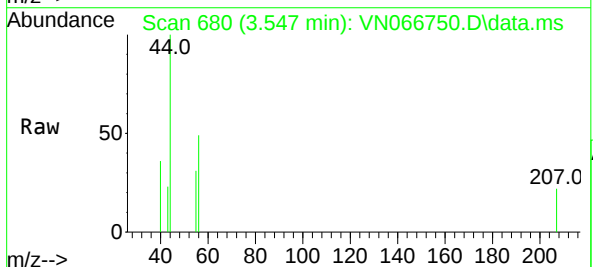
Tgt Ion: 59 Resp: 220
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

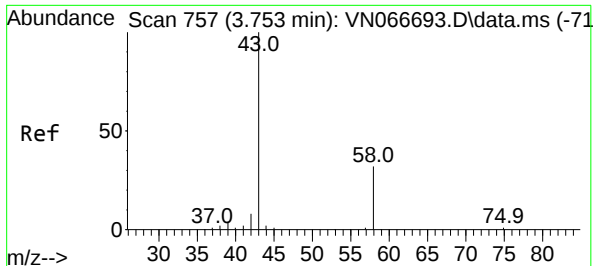


#13

Acrolein
Concen: 0.99 ug/l
RT: 3.547 min Scan# 680
Delta R.T. -0.000 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

Tgt Ion: 56 Resp: 522
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#

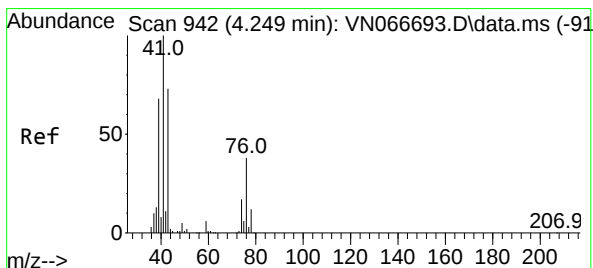
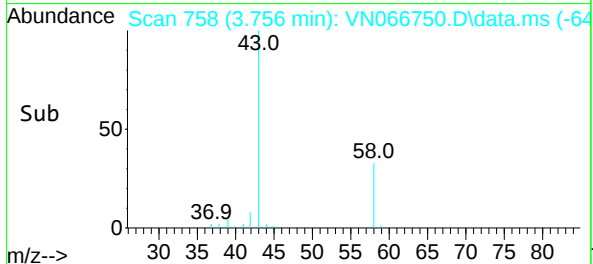
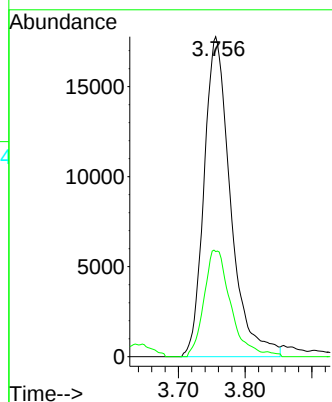
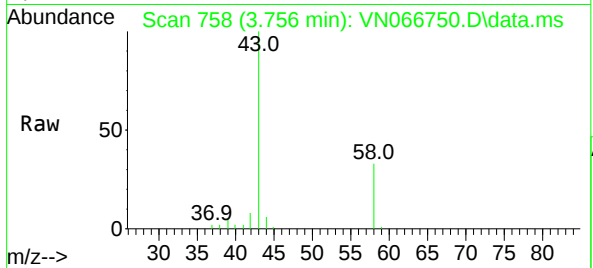




#16
Acetone
Concen: 34.87 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.003 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

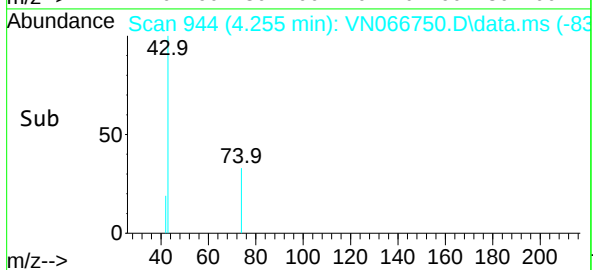
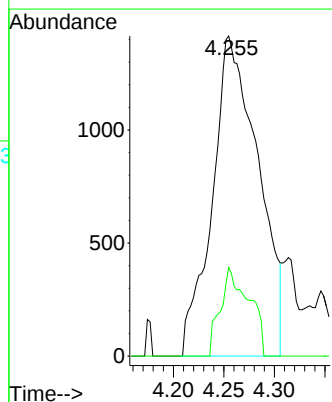
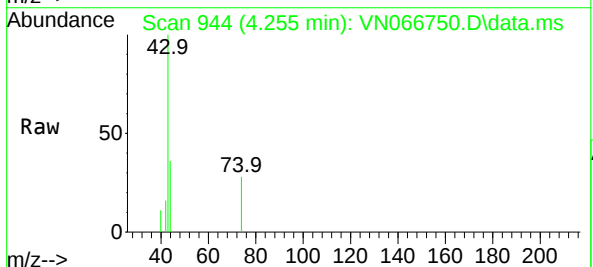
Instrument :
MSVOA_N
ClientSampled :

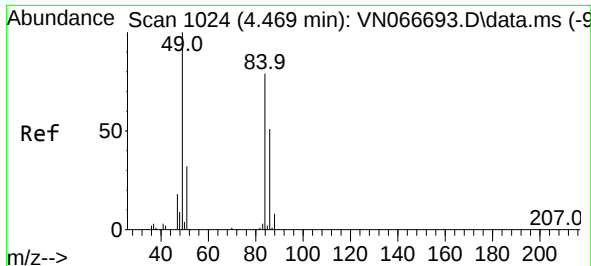
Tgt Ion: 43 Resp: 49078
Ion Ratio Lower Upper
43 100
58 32.9 27.0 40.6



#18
Methyl Acetate
Concen: 1.15 ug/l
RT: 4.255 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

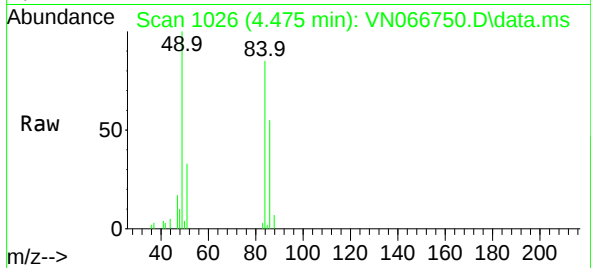
Tgt Ion: 43 Resp: 4474
Ion Ratio Lower Upper
43 100
74 17.2 19.5 29.3#



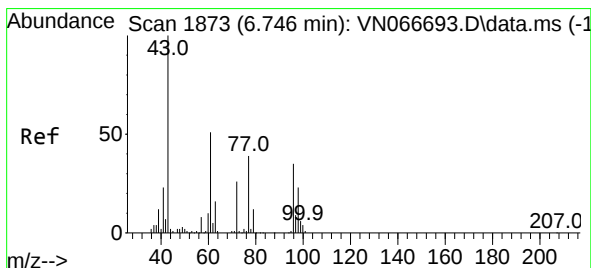
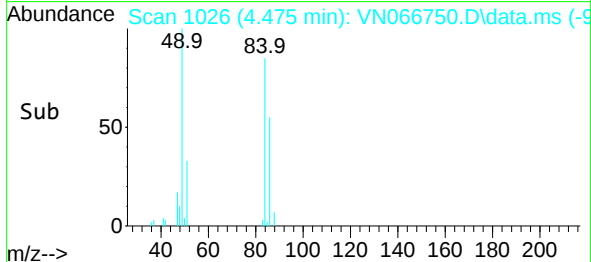
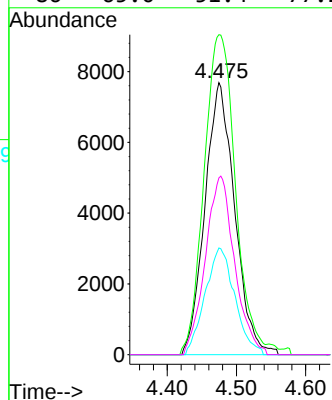


#20
Methylene Chloride
Concen: 5.48 ug/l
RT: 4.475 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

Instrument :
MSVOA_N
ClientSampled :

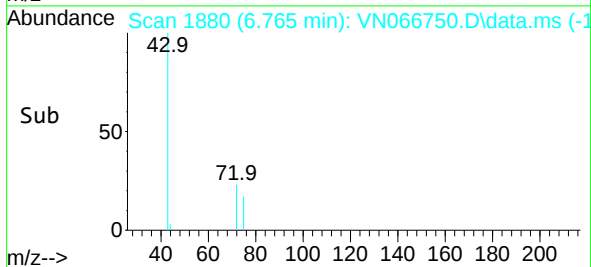
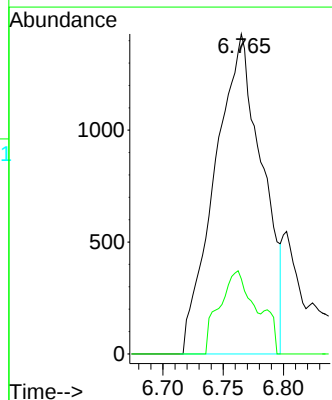
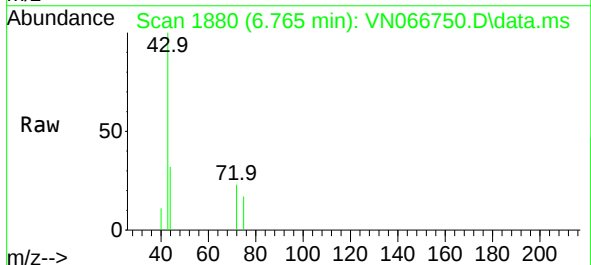


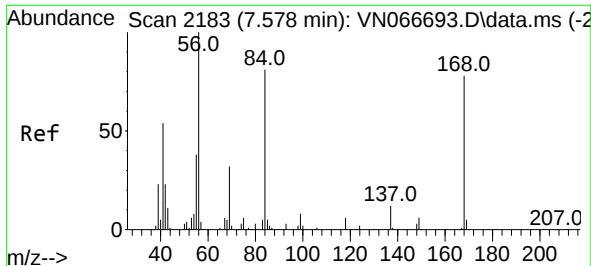
Tgt Ion:	84	Resp:	22951
Ion	Ratio	Lower	Upper
84	100		
49	117.7	94.6	141.8
51	39.2	29.9	44.9
86	65.0	51.4	77.2



#25
2-Butanone
Concen: 1.93 ug/l
RT: 6.765 min Scan# 1880
Delta R.T. 0.019 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

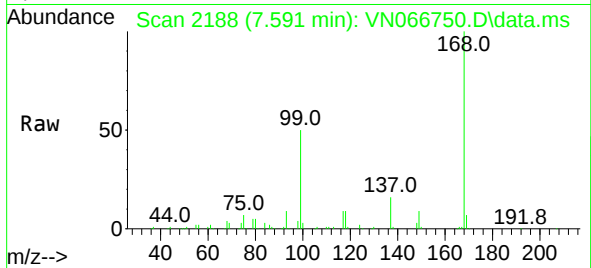
Tgt Ion:	43	Resp:	3897
Ion	Ratio	Lower	Upper
43	100		
72	23.4	23.1	34.7



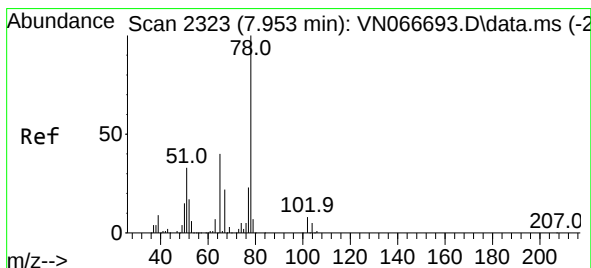
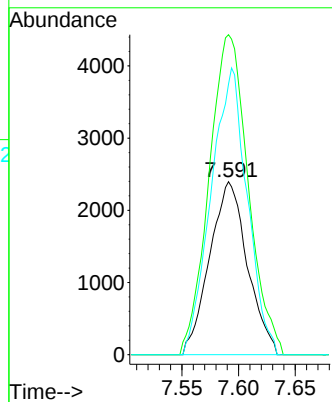
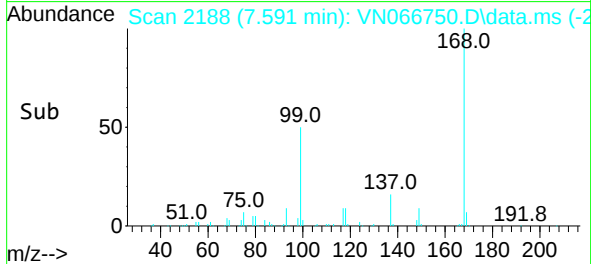


#31
Cyclohexane
Concen: 0.91 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.013 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

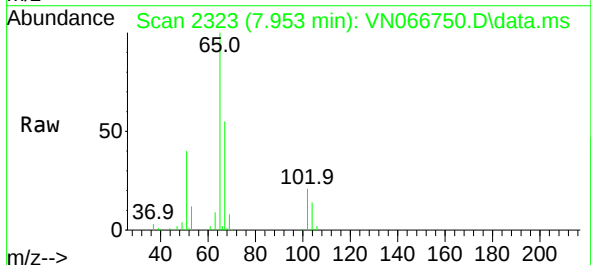
Instrument :
MSVOA_N
ClientSampleId :



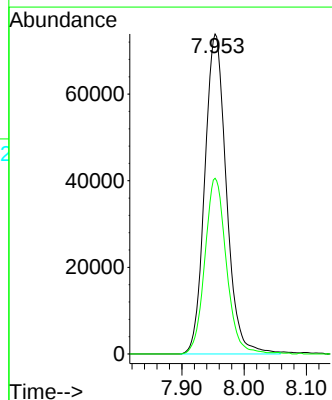
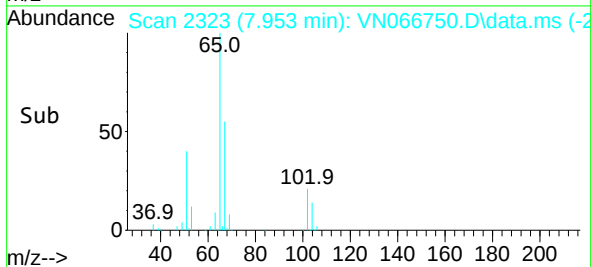
Tgt Ion: 56 Resp: 5555
Ion Ratio Lower Upper
56 100
69 184.9 26.6 39.8#
84 156.4 70.4 105.6#

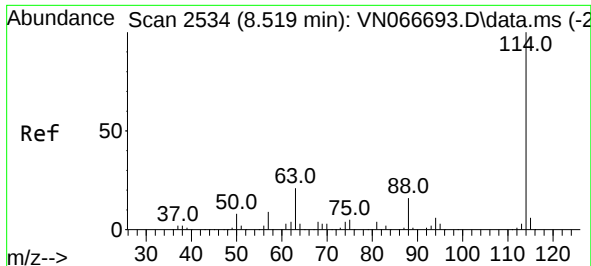


#33
1,2-Dichloroethane-d4
Concen: 47.34 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08



Tgt Ion: 65 Resp: 177991
Ion Ratio Lower Upper
65 100
67 54.7 0.0 107.2

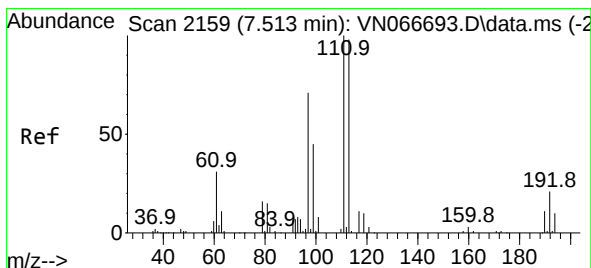
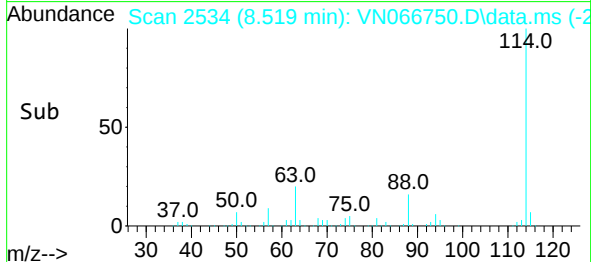
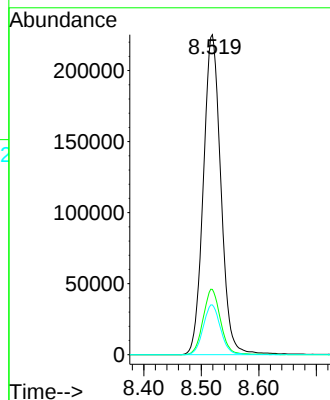
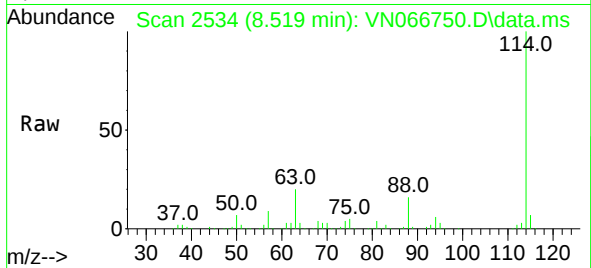




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

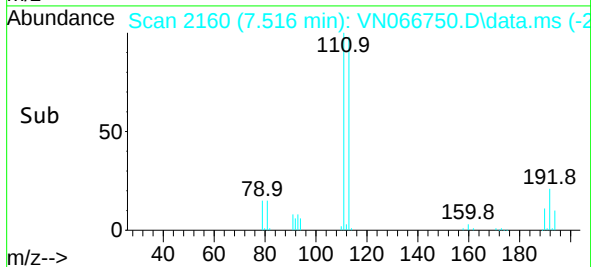
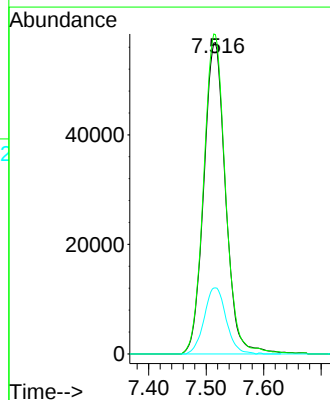
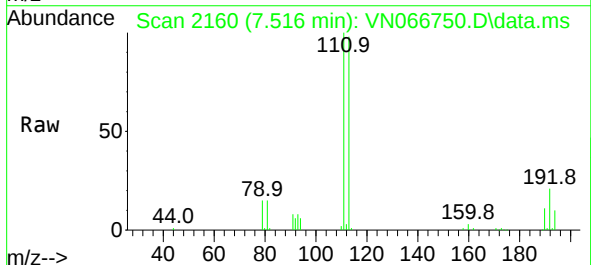
Instrument :
MSVOA_N
ClientSampled :

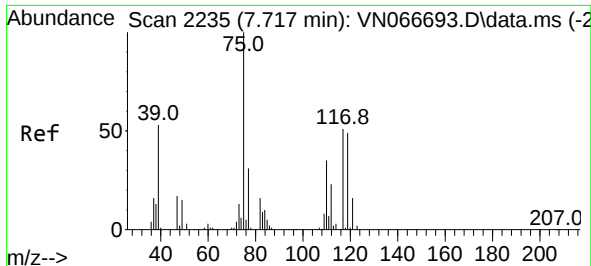
Tgt Ion:114 Resp: 477073
Ion Ratio Lower Upper
114 100
63 20.4 0.0 38.6
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 7.516 min Scan# 2160
Delta R.T. 0.003 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

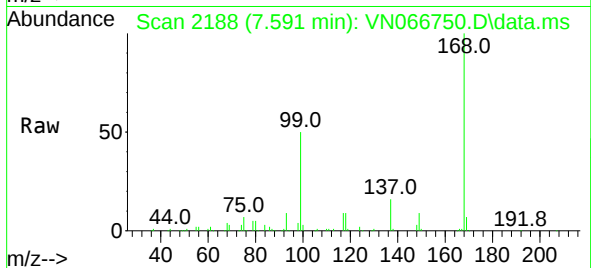
Tgt Ion:113 Resp: 149387
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 21.4 15.4 23.0



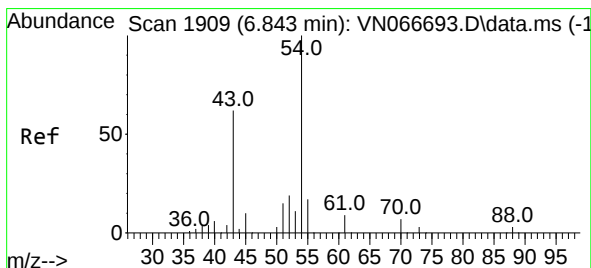
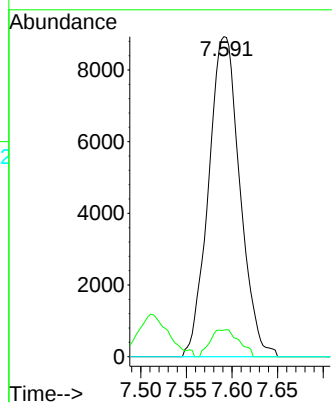
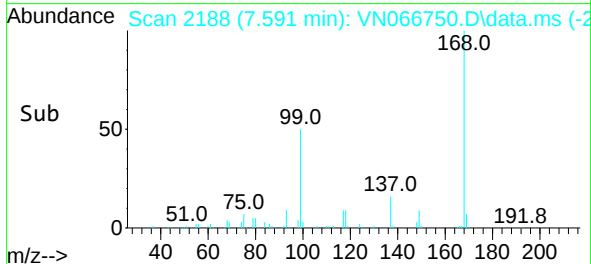


#36
1,1-Dichloropropene
Concen: 4.82 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

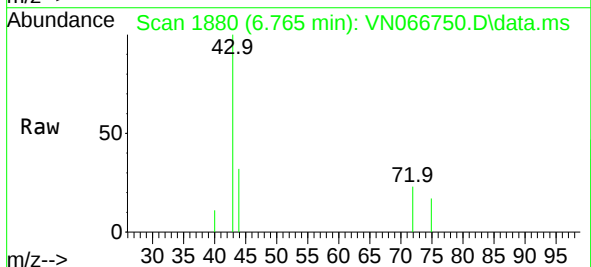
Instrument :
MSVOA_N
ClientSampled :



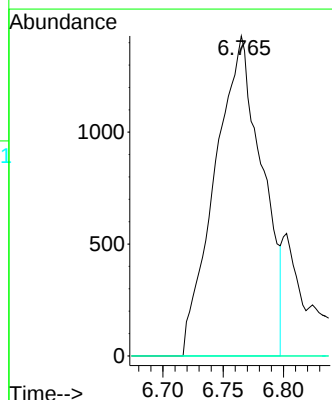
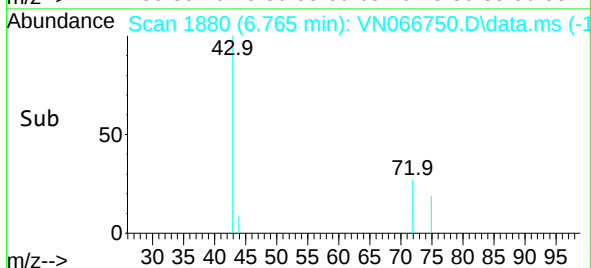
Tgt Ion: 75 Resp: 21383
Ion Ratio Lower Upper
75 100
110 7.7 18.2 54.6#
77 0.0 24.9 37.3#

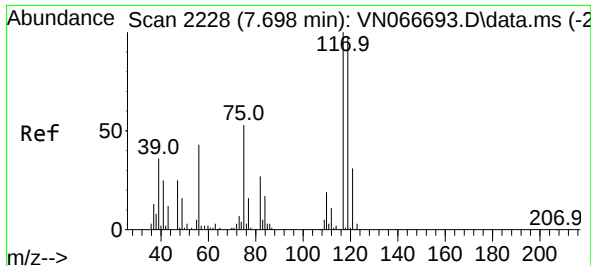


#37
Ethyl Acetate
Concen: 0.84 ug/l
RT: 6.765 min Scan# 1880
Delta R.T. -0.078 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08



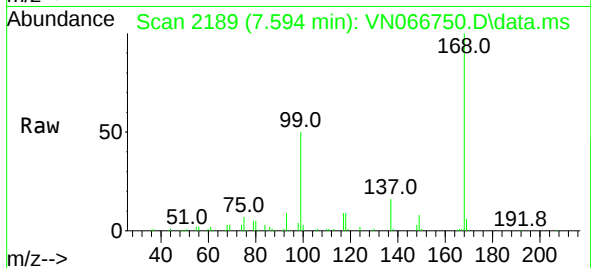
Tgt Ion: 43 Resp: 3897
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



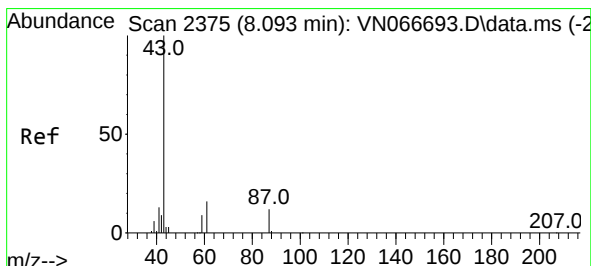
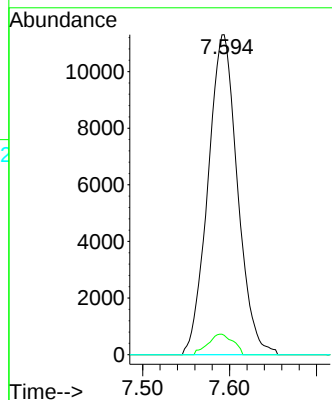
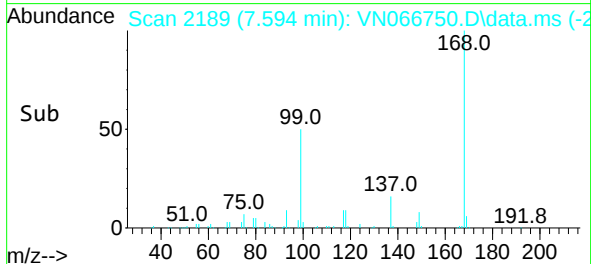


#38
Carbon Tetrachloride
Concen: 6.32 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. -0.104 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

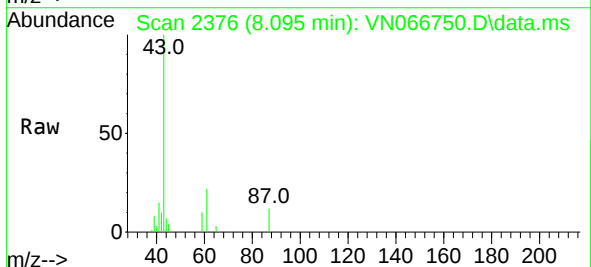
Instrument :
MSVOA_N
ClientSampleId :



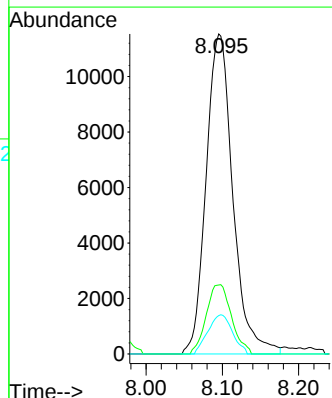
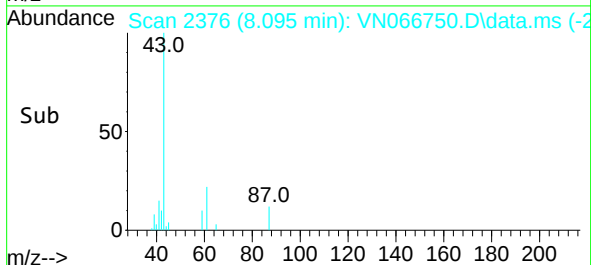
Tgt Ion:117 Resp: 26665
Ion Ratio Lower Upper
117 100
119 6.1 76.0 114.0#
121 0.0 24.5 36.7#

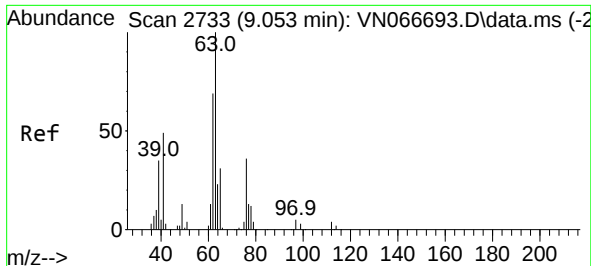


#43
Isopropyl Acetate
Concen: 3.78 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.002 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08



Tgt Ion: 43 Resp: 28086
Ion Ratio Lower Upper
43 100
61 20.4 22.5 33.7#
87 11.2 11.1 16.7

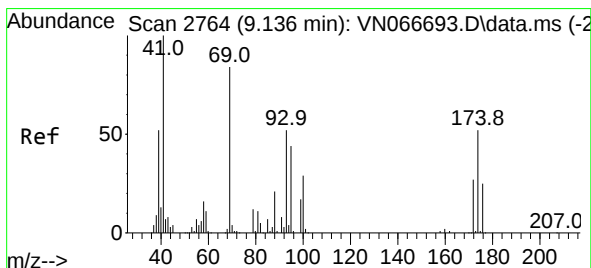
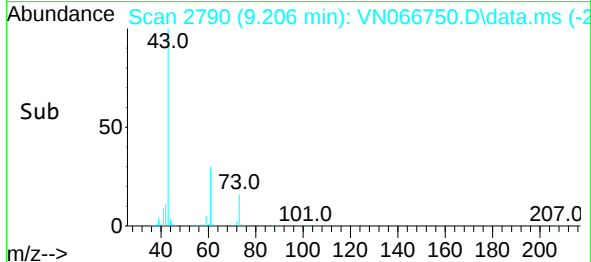
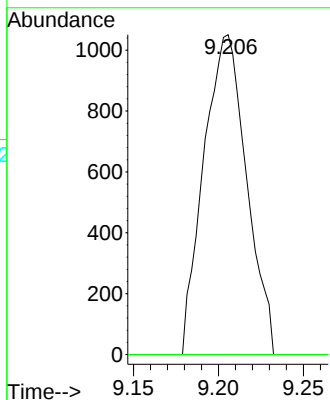
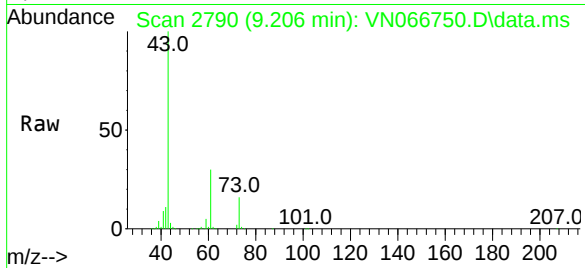




#45
1,2-Dichloropropane
Concen: 0.48 ug/l
RT: 9.206 min Scan# 2790
Delta R.T. 0.153 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

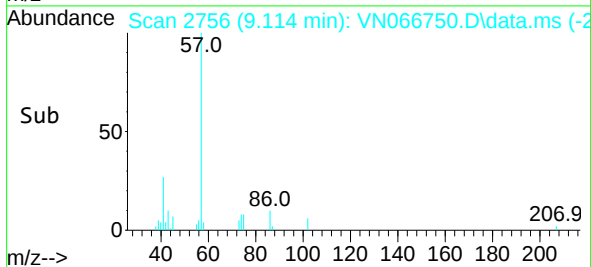
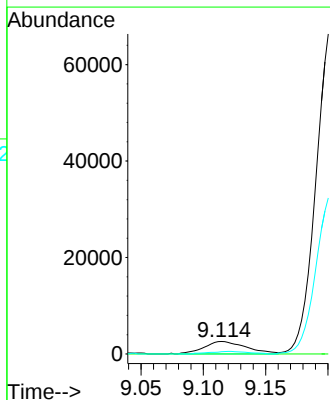
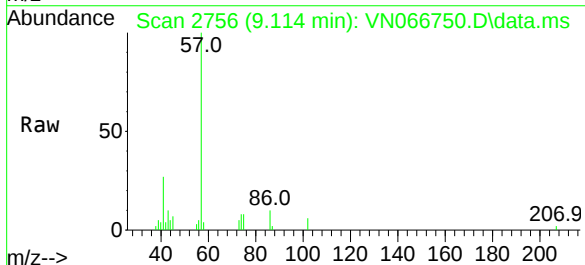
Instrument :
MSVOA_N
ClientSampled :

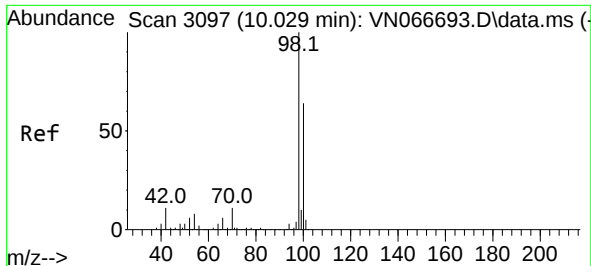
Tgt Ion: 63 Resp: 1845
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 1.87 ug/l
RT: 9.114 min Scan# 2756
Delta R.T. -0.022 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

Tgt Ion: 41 Resp: 6109
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

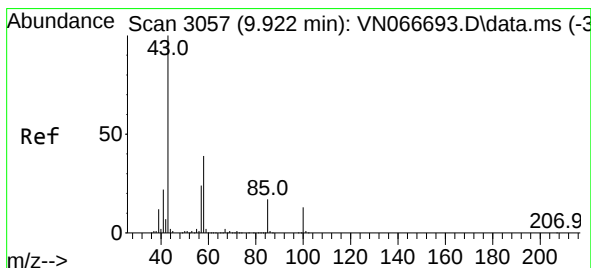
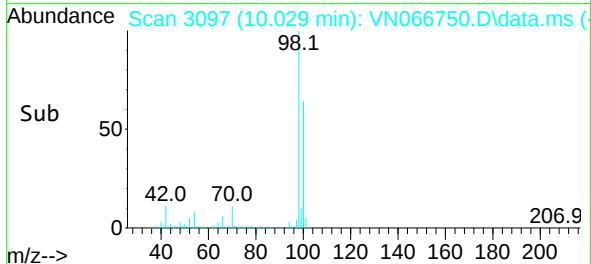
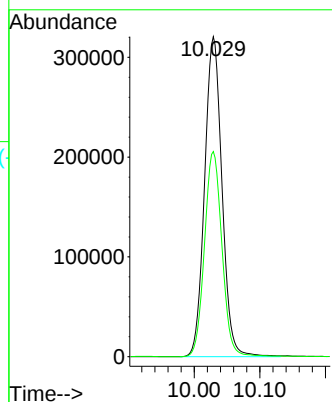
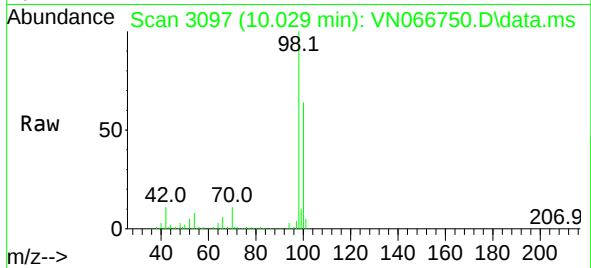




#50
Toluene-d8
Concen: 50.75 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

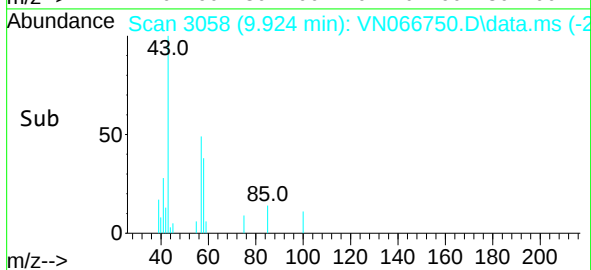
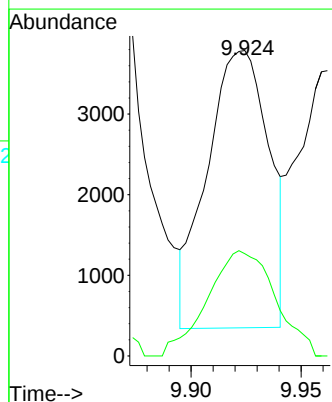
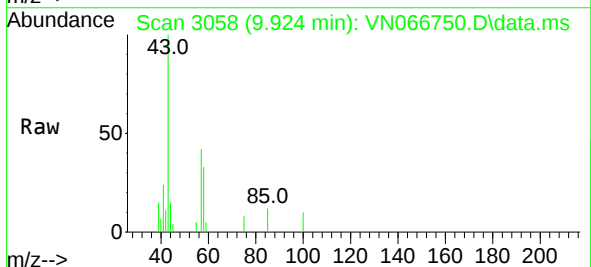
Instrument :
MSVOA_N
ClientSampled :

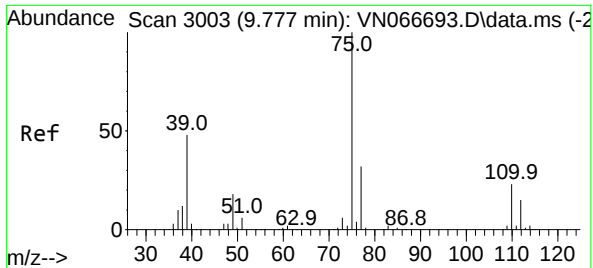
Tgt Ion: 98 Resp: 591281
Ion Ratio Lower Upper
98 100
100 64.5 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.61 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

Tgt Ion: 43 Resp: 6699
Ion Ratio Lower Upper
43 100
58 41.8 32.5 48.7

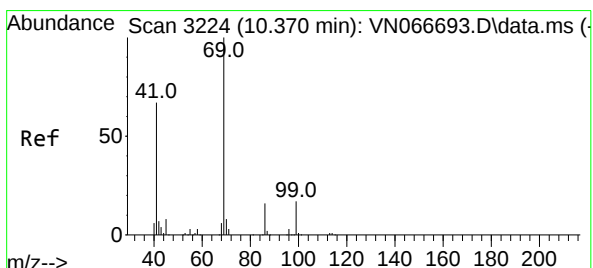
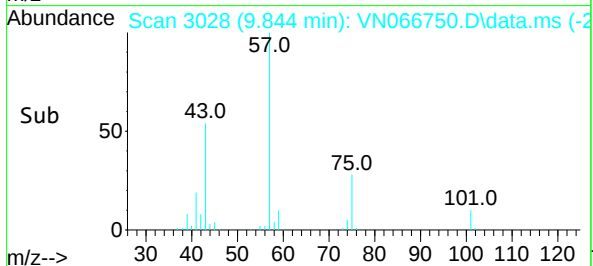
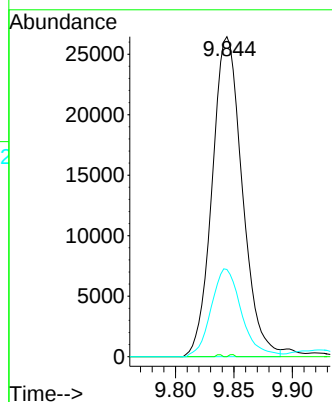
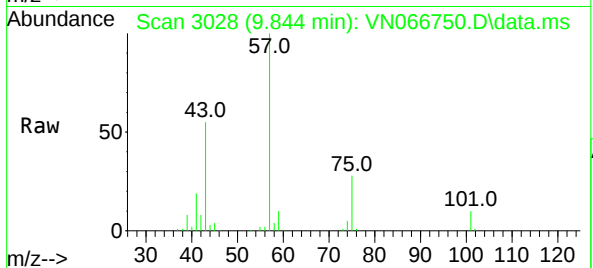




#54
 cis-1,3-Dichloropropene
 Concen: 8.27 ug/l
 RT: 9.844 min Scan# 3028
 Delta R.T. 0.067 min
 Lab File: VN066750.D
 Acq: 23 Apr 2021 20:08

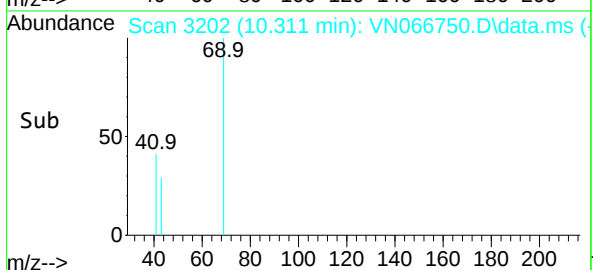
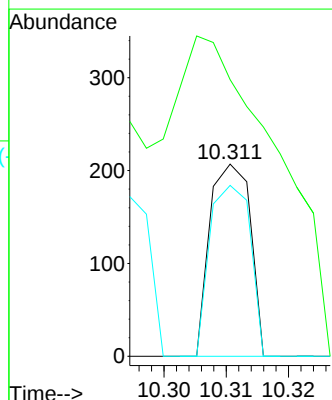
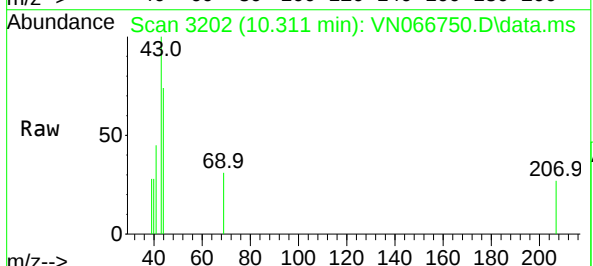
Instrument :
 MSVOA_N
 ClientSampled :

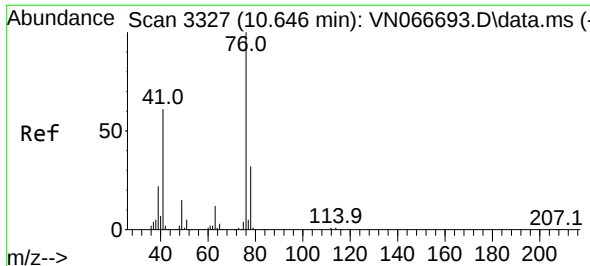
Tgt Ion: 75 Resp: 47390
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 27.3 36.2 54.4#



#56
 Ethyl methacrylate
 Concen: 3.17 ug/l
 RT: 10.311 min Scan# 3202
 Delta R.T. -0.059 min
 Lab File: VN066750.D
 Acq: 23 Apr 2021 20:08

Tgt Ion: 69 Resp: 93
 Ion Ratio Lower Upper
 69 100
 41 0.0 49.6 74.4#
 39 0.0 28.0 42.0#

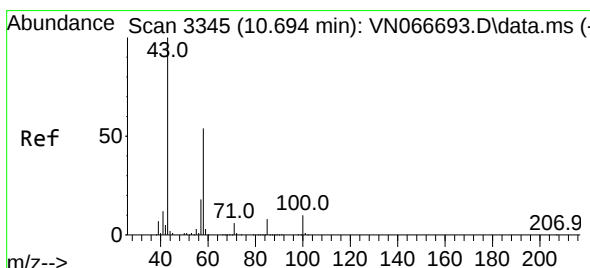
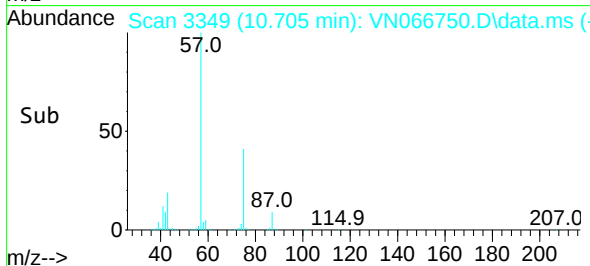
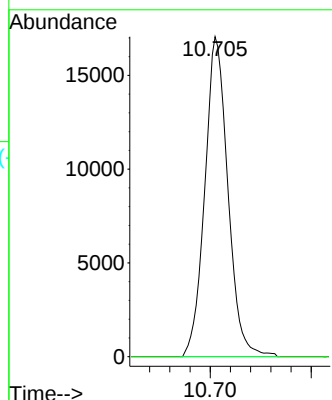
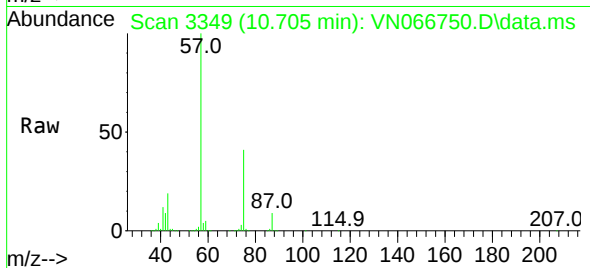




#57
1,3-Dichloropropane
Concen: 4.86 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

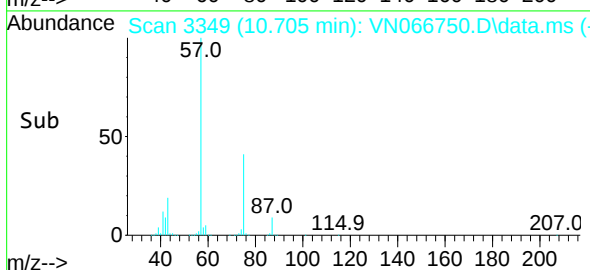
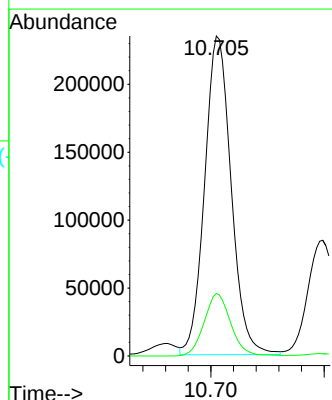
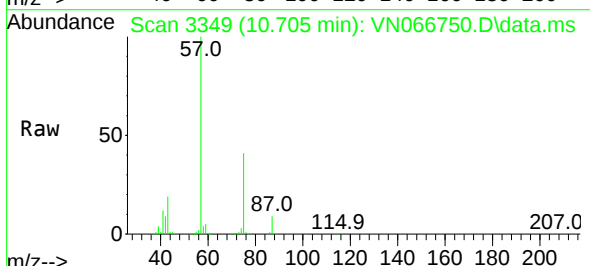
Instrument :
MSVOA_N
ClientSampled :

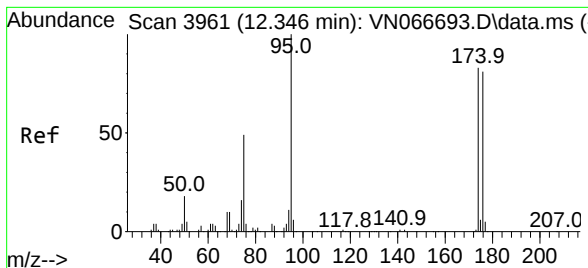
Tgt Ion: 76 Resp: 27137
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 130.45 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.011 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

Tgt Ion: 43 Resp: 380833
Ion Ratio Lower Upper
43 100
58 19.7 28.1 84.3#

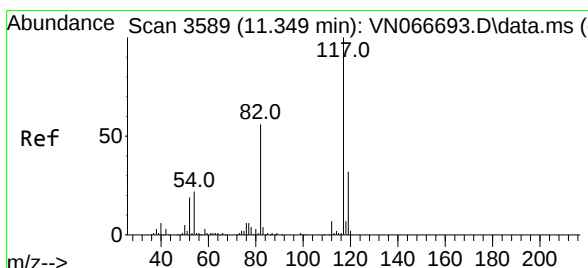
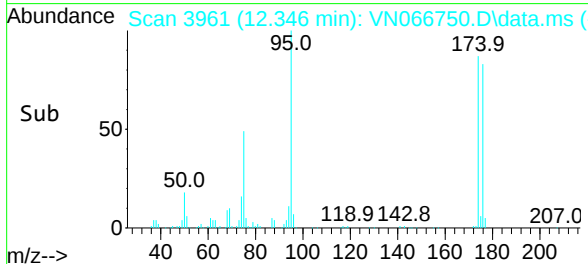
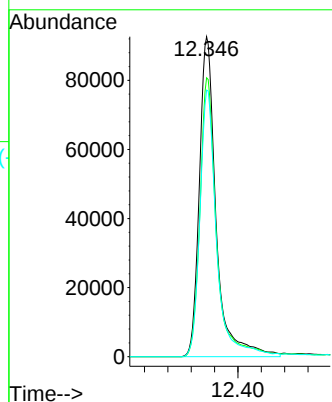
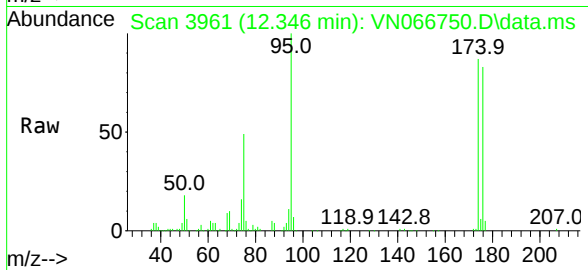




#62
4-Bromofluorobenzene
Concen: 46.24 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.000 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

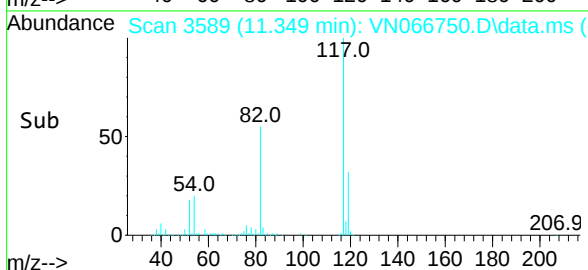
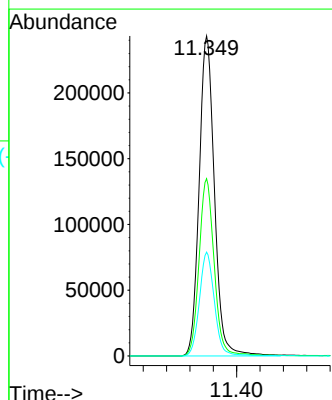
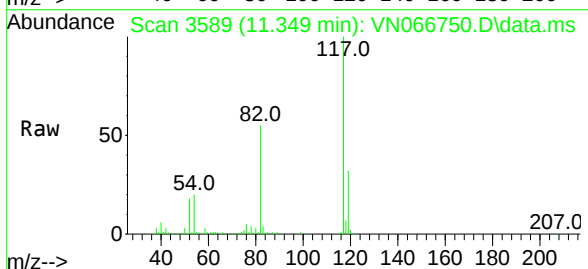
Instrument :
MSVOA_N
ClientSampleId :

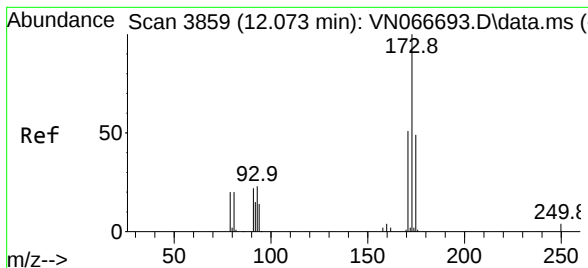
Tgt Ion: 95 Resp: 184486
Ion Ratio Lower Upper
95 100
174 86.5 0.0 169.0
176 82.6 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3589
Delta R.T. -0.000 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

Tgt Ion: 117 Resp: 442243
Ion Ratio Lower Upper
117 100
82 55.4 43.7 65.5
119 32.4 26.1 39.1

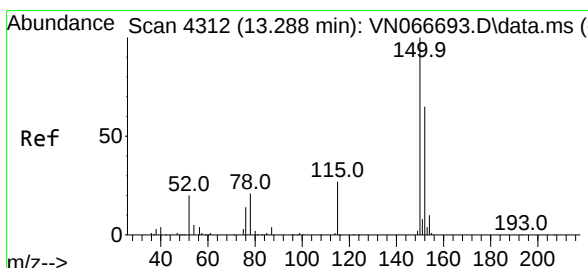
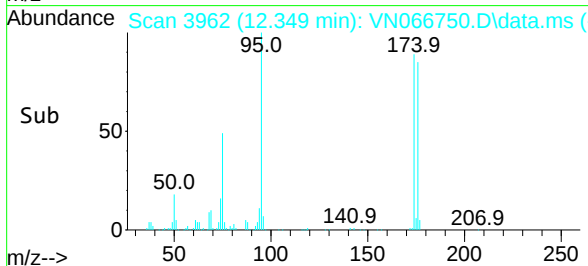
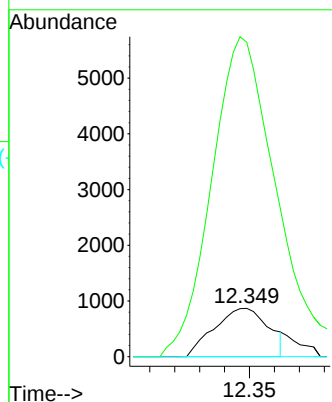
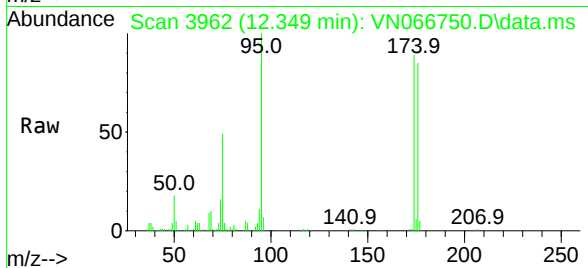




#71
Bromoform
Concen: 0.53 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.276 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

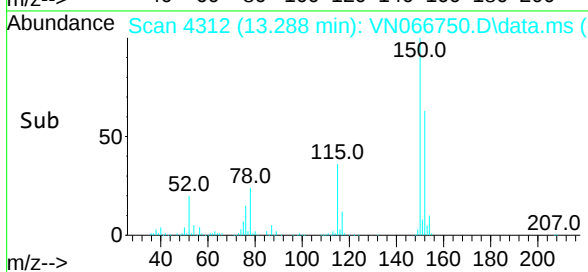
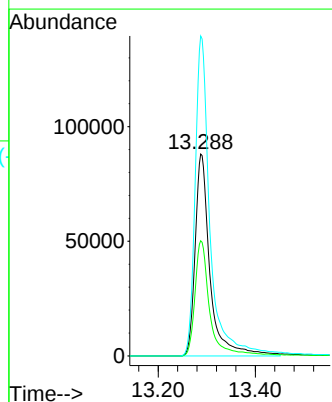
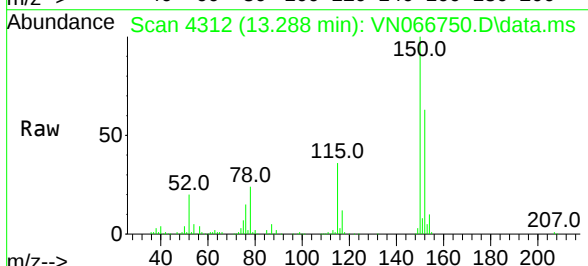
Instrument :
MSVOA_N
ClientSampleId :

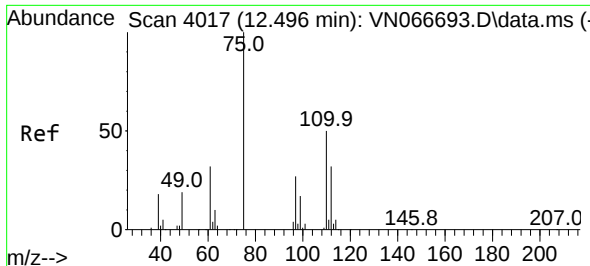
Tgt Ion:173 Resp: 1311
Ion Ratio Lower Upper
173 100
175 688.1 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.288 min Scan# 4312
Delta R.T. -0.000 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

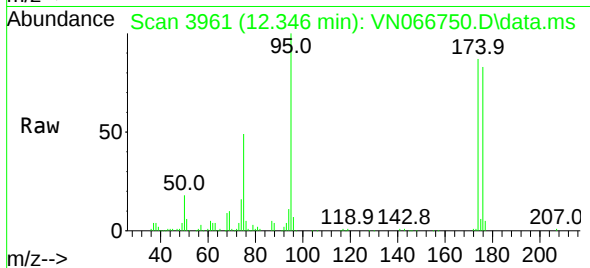
Tgt Ion:152 Resp: 188474
Ion Ratio Lower Upper
152 100
115 53.9 28.5 85.6
150 159.2 0.0 347.6



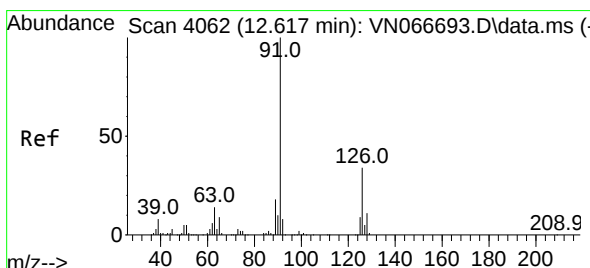
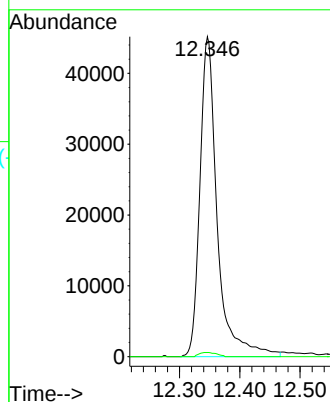
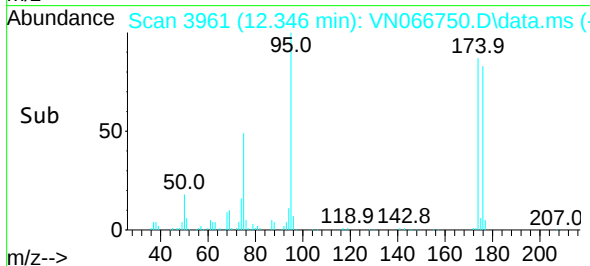


#76
1,2,3-Trichloropropane
Concen: 22.33 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

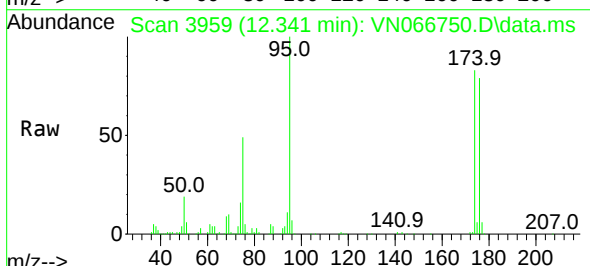
Instrument :
MSVOA_N
ClientSampled :



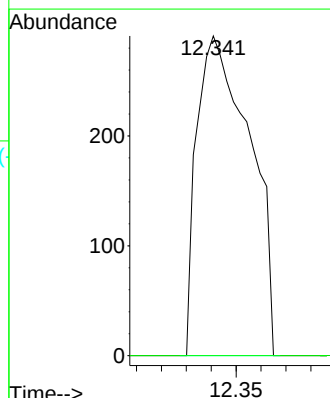
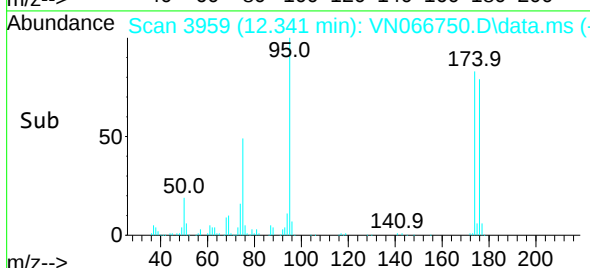
Tgt Ion: 75 Resp: 90070
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

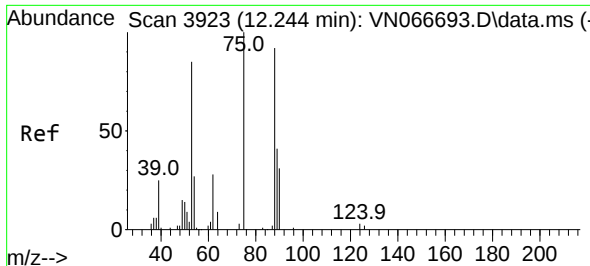


#79
2-Chlorotoluene
Concen: 0.98 ug/l
RT: 12.341 min Scan# 3959
Delta R.T. -0.276 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08



Tgt Ion: 91 Resp: 430
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

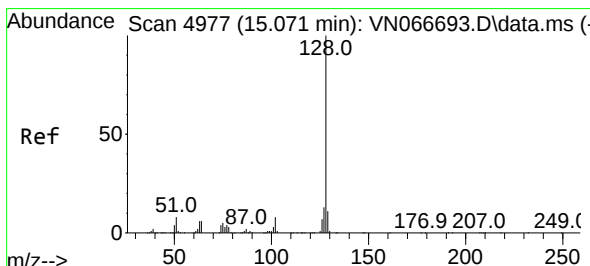
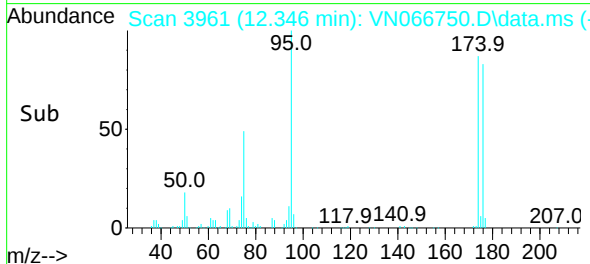
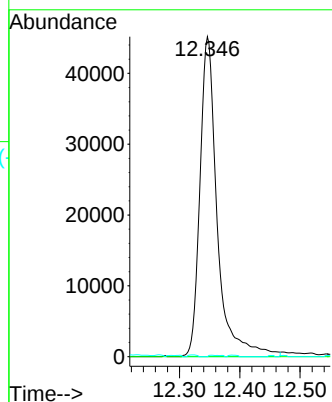
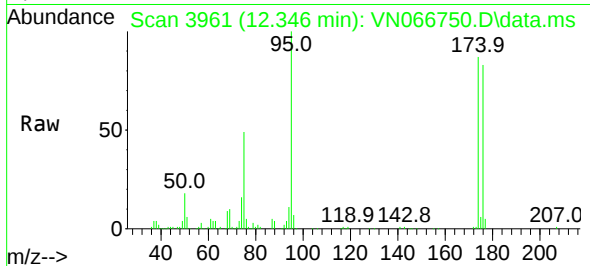




#81
trans-1,4-Dichloro-2-butene
Concen: 66.36 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 90070
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.3 35.8 53.8#



#95
Naphthalene
Concen: 1.92 ug/l
RT: 15.090 min Scan# 4984
Delta R.T. 0.019 min
Lab File: VN066750.D
Acq: 23 Apr 2021 20:08

Tgt Ion: 128 Resp: 631
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

