

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042321\
 Data File : VN066747.D
 Acq On : 23 Apr 2021 18:57
 Operator : JC/MD
 Sample : M2132-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 26 09:13:09 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)

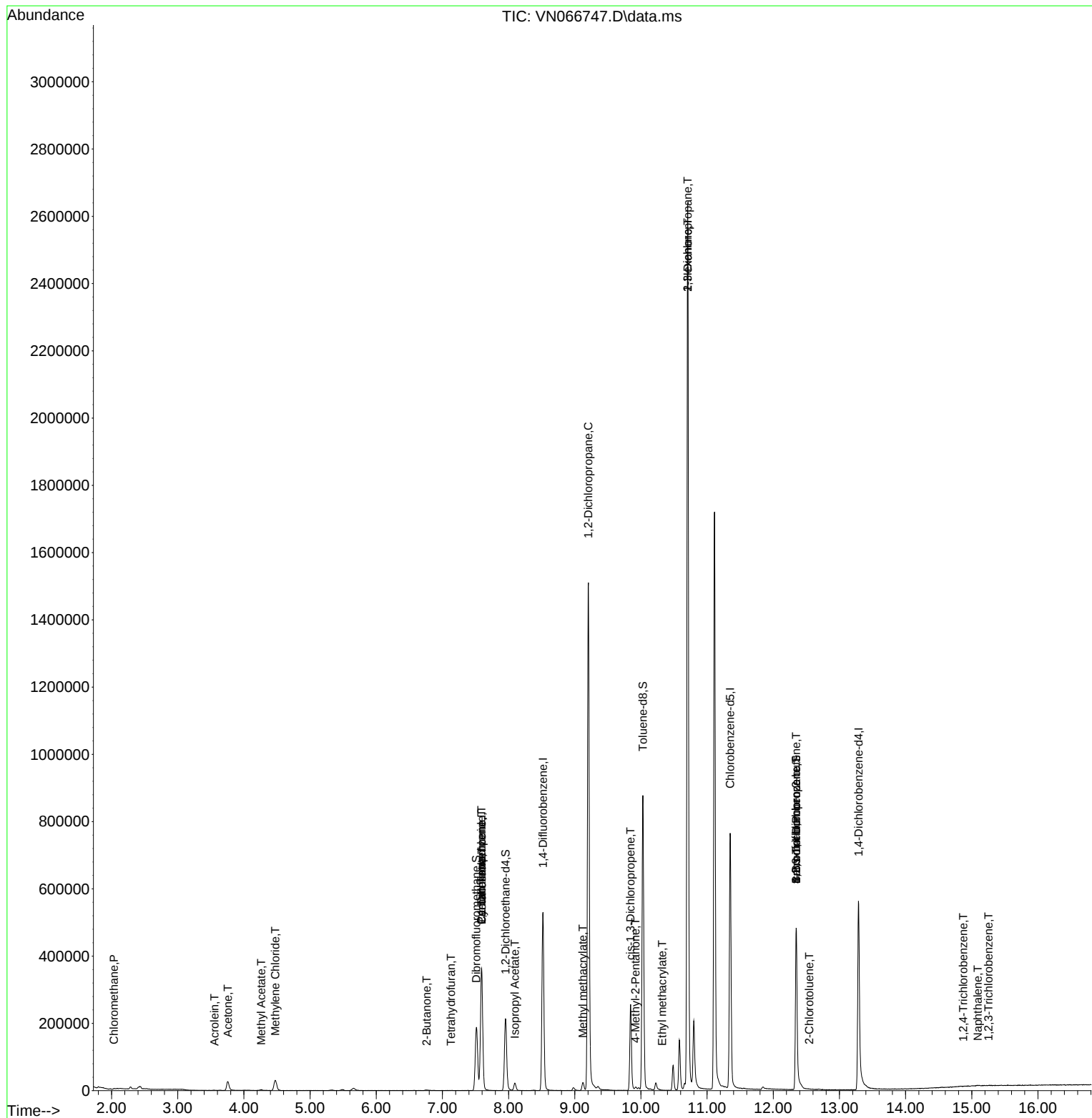
Internal Standards						
1) Pentafluorobenzene	7.594	168	318598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	492156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	465571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.288	152	194652	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	183586	47.17	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.34%		
35) Dibromofluoromethane	7.513	113	152155	49.37	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.74%		
50) Toluene-d8	10.029	98	617228	51.35	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.70%		
62) 4-Bromofluorobenzene	12.346	95	198448	48.21	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.42%		
Target Compounds					Qvalue	
3) Chloromethane	2.037	50	1159	0.23	ug/l #	77
13) Acrolein	3.555	56	748	1.37	ug/l #	33
16) Acetone	3.759	43	46958	32.23	ug/l	100
18) Methyl Acetate	4.263	43	4803	1.19	ug/l #	83
20) Methylene Chloride	4.475	84	23064	5.32	ug/l	97
25) 2-Butanone	6.762	43	4586	2.19	ug/l #	89
29) Tetrahydrofuran	7.130	42	293	0.20	ug/l #	32
31) Cyclohexane	7.594	56	5923	0.93	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	21609	4.72	ug/l #	49
38) Carbon Tetrachloride	7.591	117	27296	6.27	ug/l #	16
43) Isopropyl Acetate	8.095	43	27998	3.65	ug/l #	89
45) 1,2-Dichloropropane	9.206	63	1823	0.46	ug/l #	44
48) Methyl methacrylate	9.120	41	6110	1.81	ug/l #	10
51) 4-Methyl-2-Pentanone	9.919	43	7374	1.72	ug/l	92
54) cis-1,3-Dichloropropene	9.844	75	49070	8.30	ug/l #	60
56) Ethyl methacrylate	10.321	69	50	3.16	ug/l #	27
57) 1,3-Dichloropropane	10.708	76	27560	4.78	ug/l #	43
59) 2-Hexanone	10.708	43	382279	127.38	ug/l #	50
71) Bromoform	12.346	173	1400	0.54	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	95623	22.96	ug/l #	100
79) 2-Chlorotoluene	12.545	91	82	0.94	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.346	75	95623	68.07	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.870	180	25	2.01	ug/l #	13
95) Naphthalene	15.090	128	637	1.91	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.253	180	25	1.37	ug/l #	1

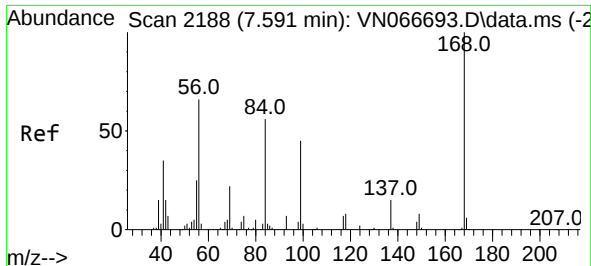
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042321\
Data File : VN066747.D
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Instrument :
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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

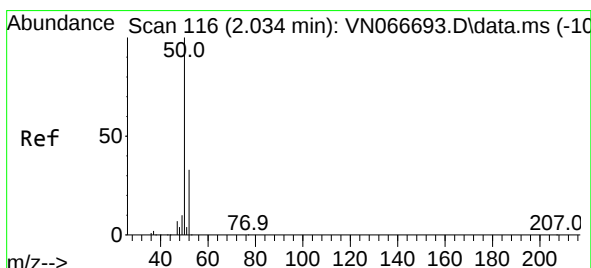
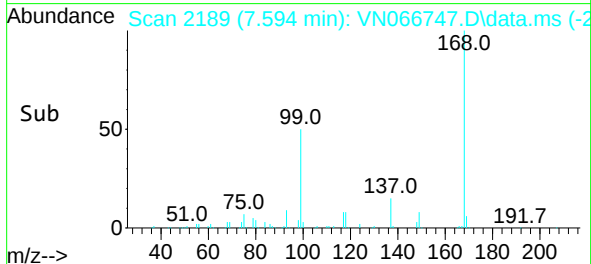
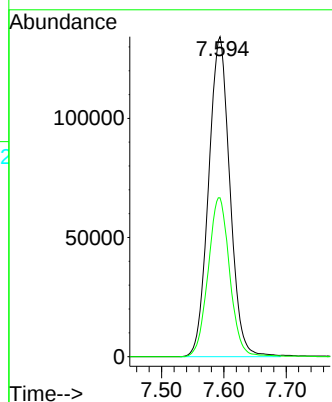
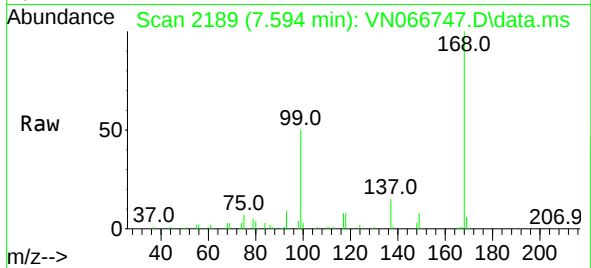




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. 0.003 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

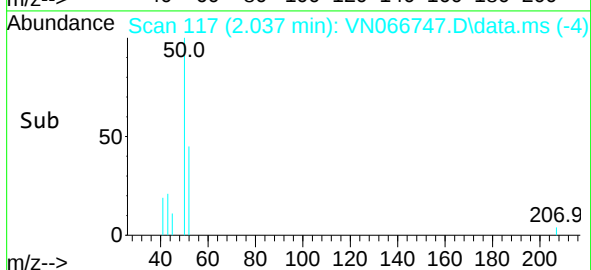
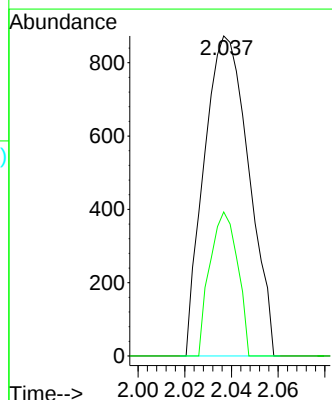
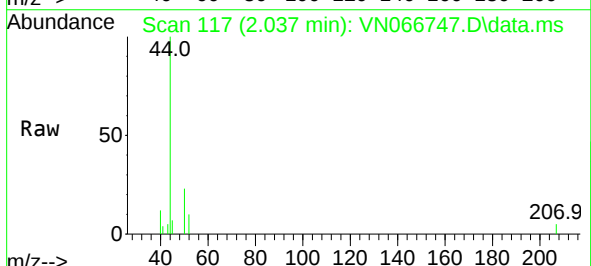
Instrument :
MSVOA_N
ClientSampled :

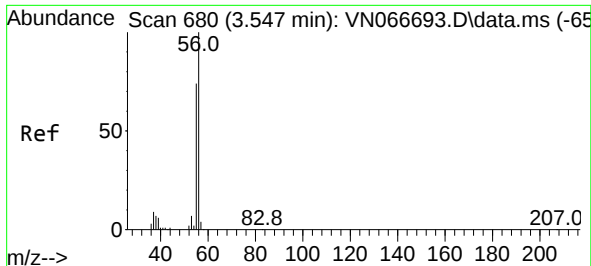
Tgt Ion:168 Resp: 318598
Ion Ratio Lower Upper
168 100
99 49.6 42.6 63.8



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

Tgt Ion: 50 Resp: 1159
Ion Ratio Lower Upper
50 100
52 45.0 25.8 38.8#

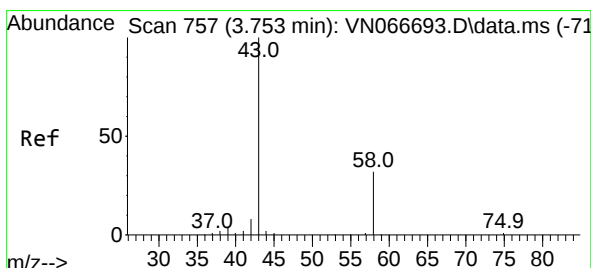
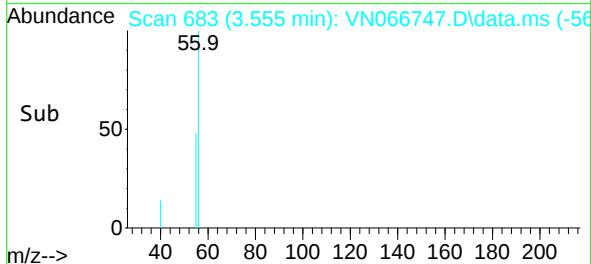
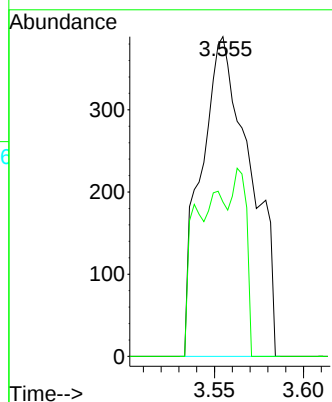
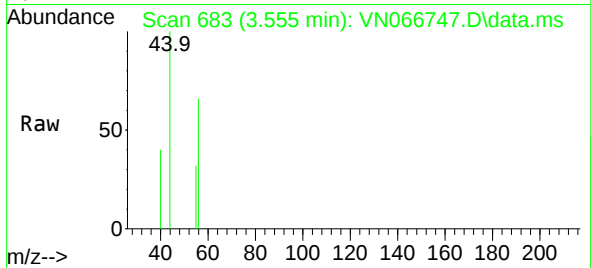




#13
Acrolein
Concen: 1.37 ug/l
RT: 3.555 min Scan# 683
Delta R.T. 0.008 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

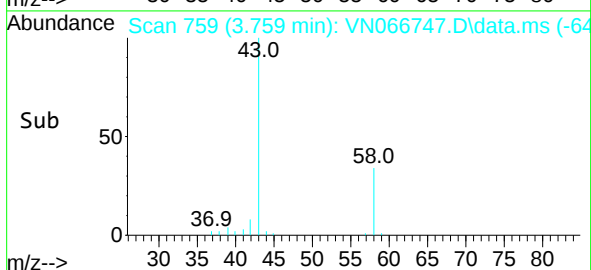
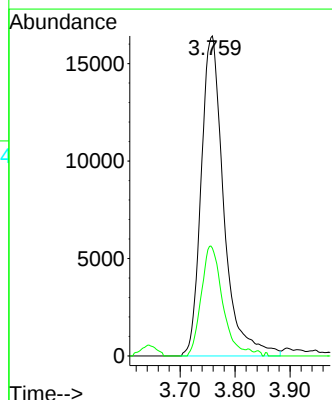
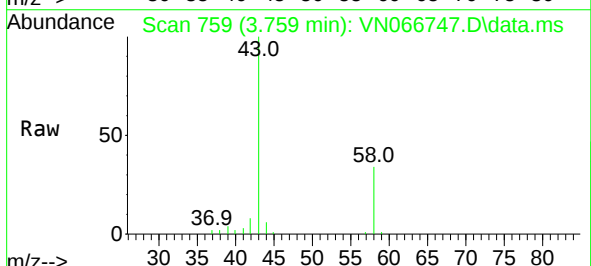
Instrument :
MSVOA_N
ClientSampled :

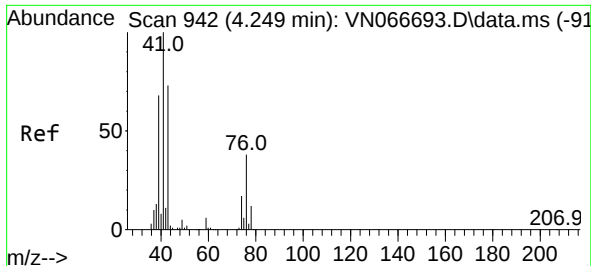
Tgt Ion: 56 Resp: 748
Ion Ratio Lower Upper
56 100
55 14.8 56.0 84.0#



#16
Acetone
Concen: 32.23 ug/l
RT: 3.759 min Scan# 759
Delta R.T. 0.006 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

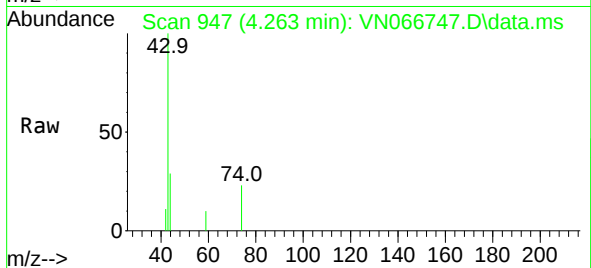
Tgt Ion: 43 Resp: 46958
Ion Ratio Lower Upper
43 100
58 33.7 27.0 40.6



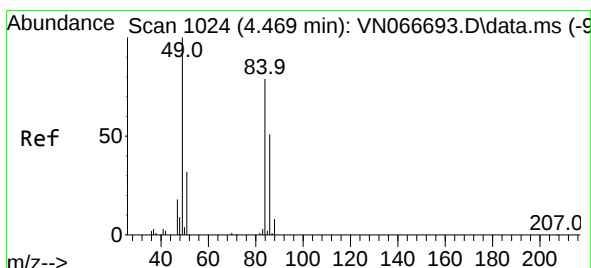
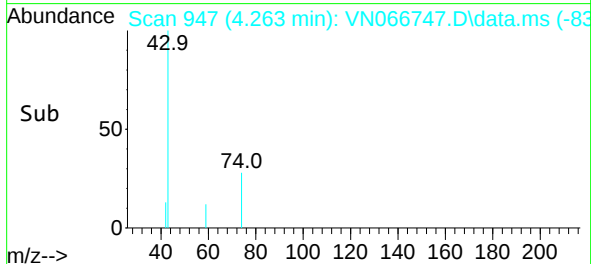
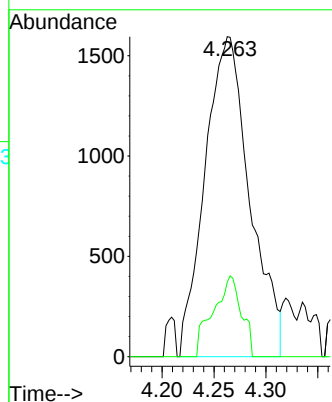


#18
Methyl Acetate
Concen: 1.19 ug/l
RT: 4.263 min Scan# 947
Delta R.T. 0.014 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

Instrument :
MSVOA_N
ClientSampled :

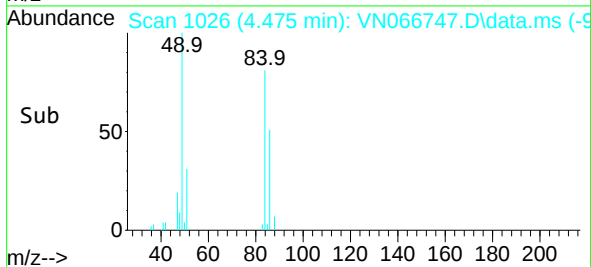
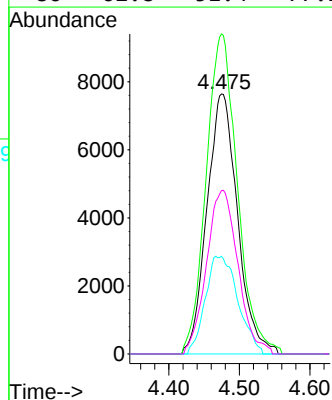
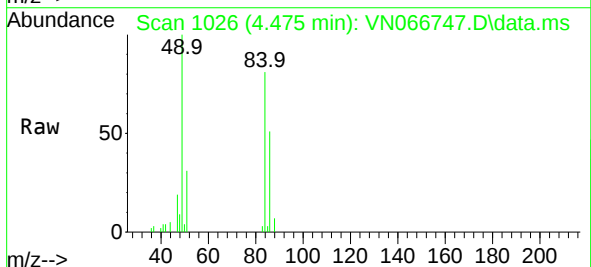


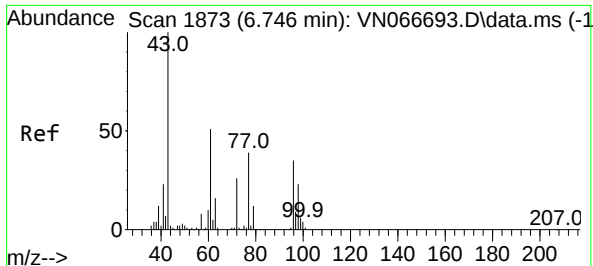
Tgt Ion: 43 Resp: 4803
Ion Ratio Lower Upper
43 100
74 15.8 19.5 29.3#



#20
Methylene Chloride
Concen: 5.32 ug/l
RT: 4.475 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

Tgt Ion: 84 Resp: 23064
Ion Ratio Lower Upper
84 100
49 123.1 94.6 141.8
51 37.6 29.9 44.9
86 62.8 51.4 77.2

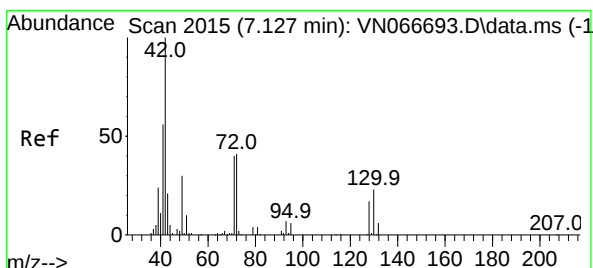
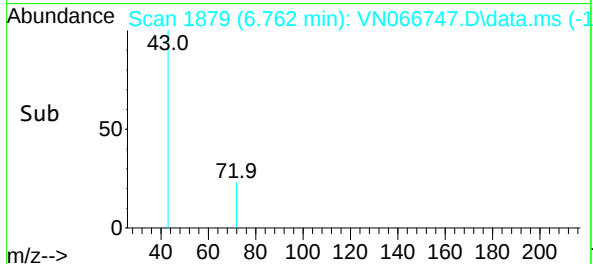
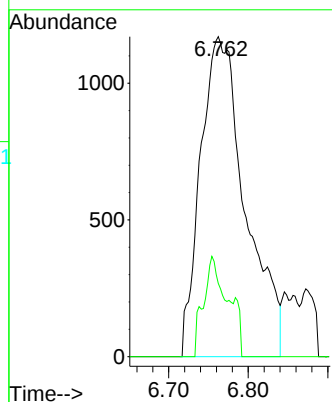
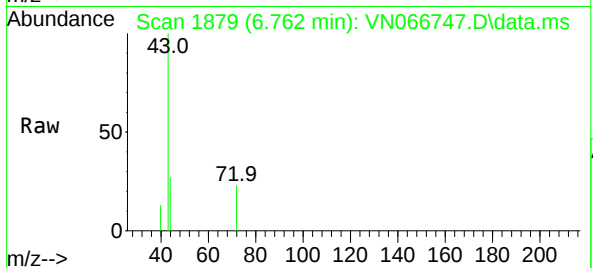




#25
2-Butanone
Concen: 2.19 ug/l
RT: 6.762 min Scan# 1879
Delta R.T. 0.016 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

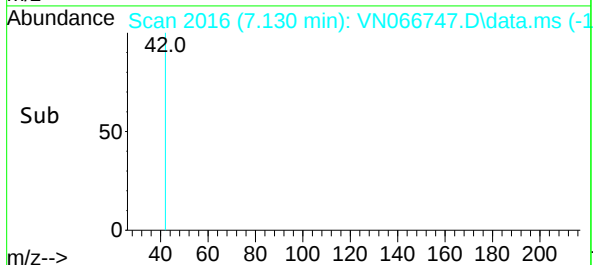
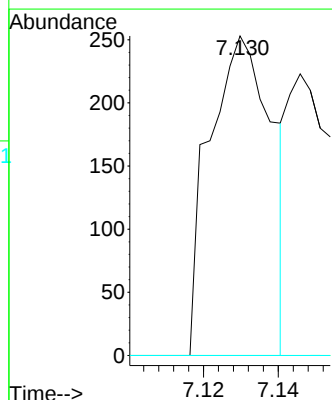
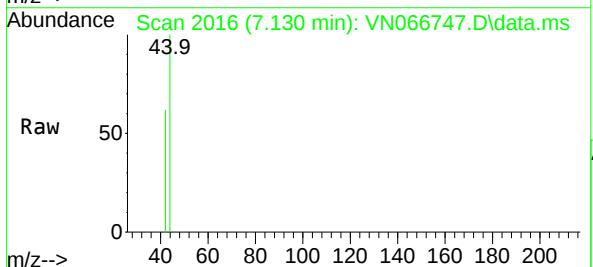
Instrument :
MSVOA_N
ClientSampled :

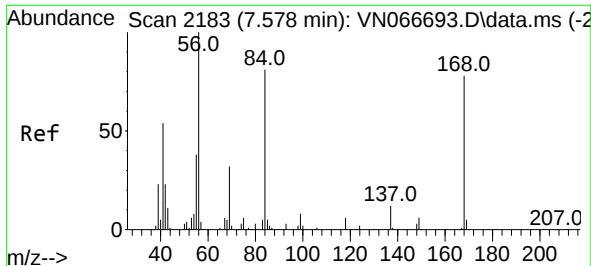
Tgt Ion: 43 Resp: 4586
Ion Ratio Lower Upper
43 100
72 22.9 23.1 34.7#



#29
Tetrahydrofuran
Concen: 0.20 ug/l
RT: 7.130 min Scan# 2016
Delta R.T. 0.003 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

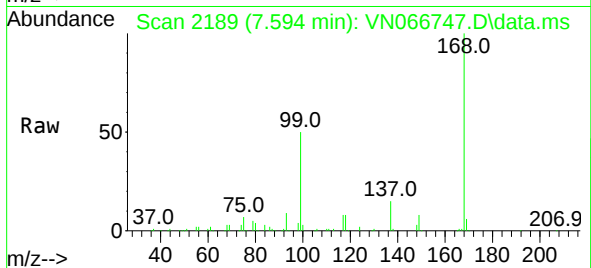
Tgt Ion: 42 Resp: 293
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#



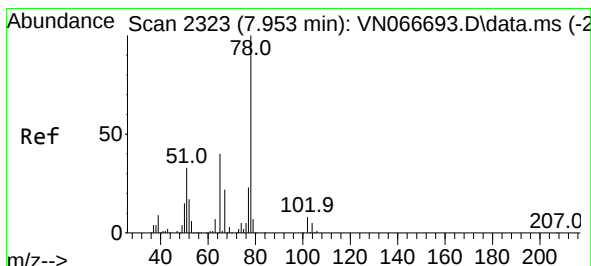
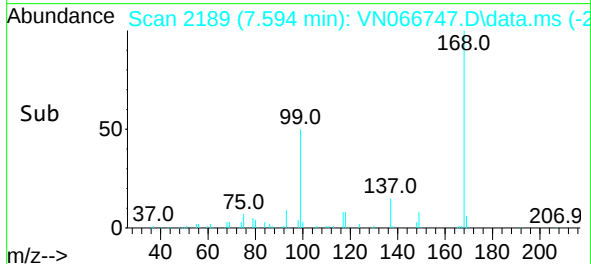
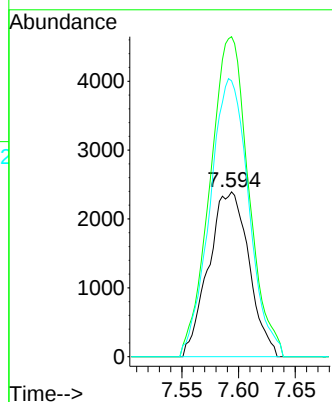


#31
Cyclohexane
Concen: 0.93 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. 0.016 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

Instrument :
MSVOA_N
ClientSampleId :

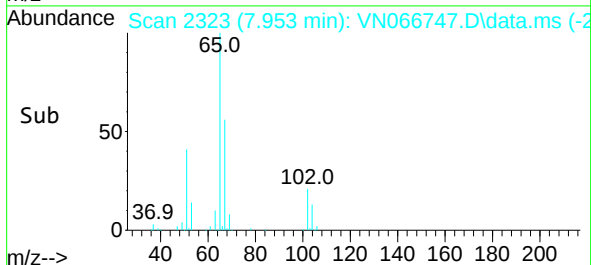
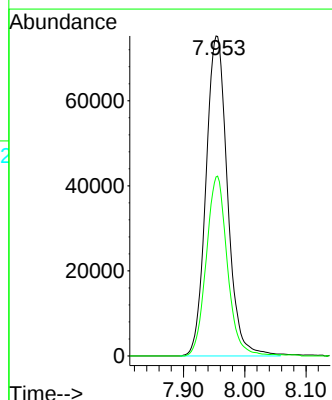
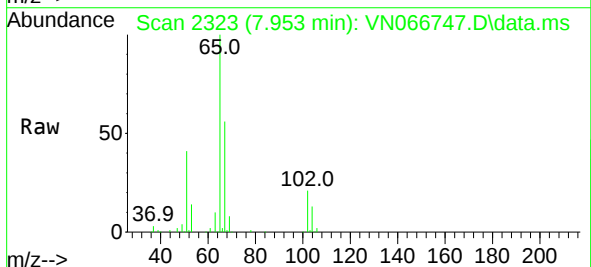


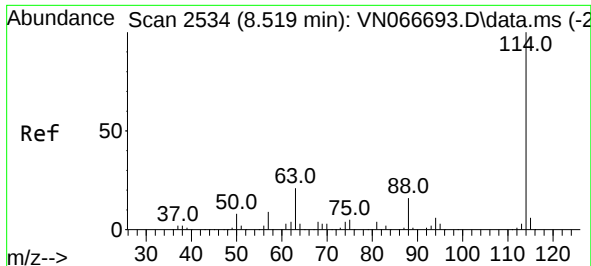
Tgt Ion: 56 Resp: 5923
Ion Ratio Lower Upper
56 100
69 194.1 26.6 39.8#
84 167.3 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 47.17 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

Tgt Ion: 65 Resp: 183586
Ion Ratio Lower Upper
65 100
67 55.0 0.0 107.2

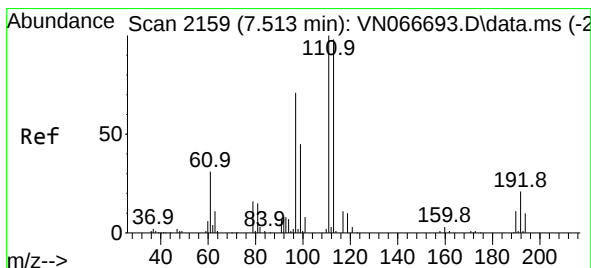
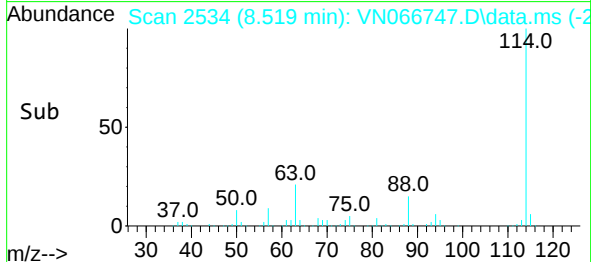
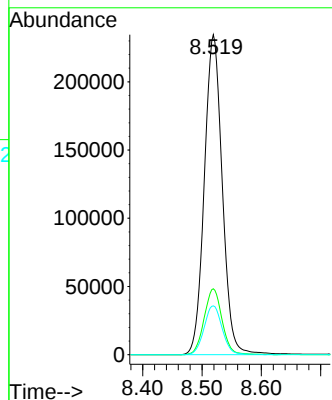
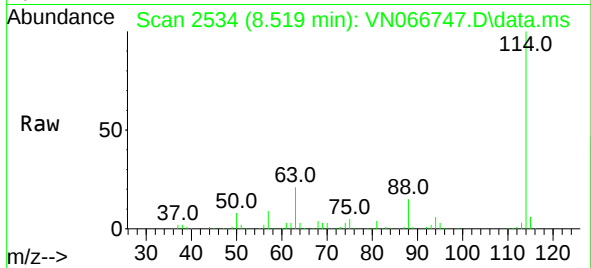




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

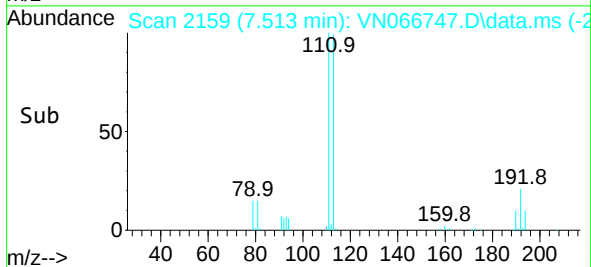
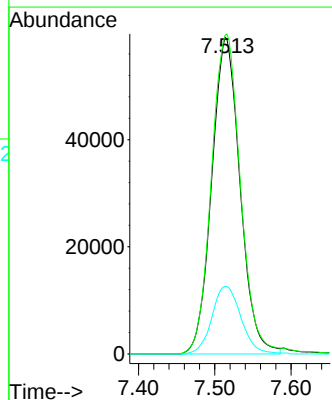
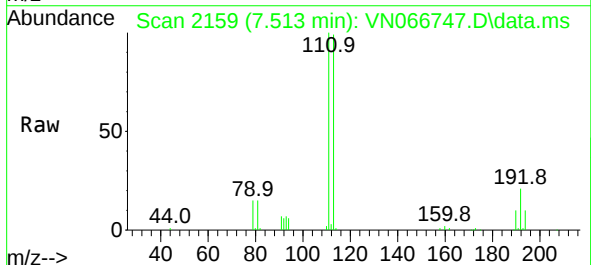
Instrument :
MSVOA_N
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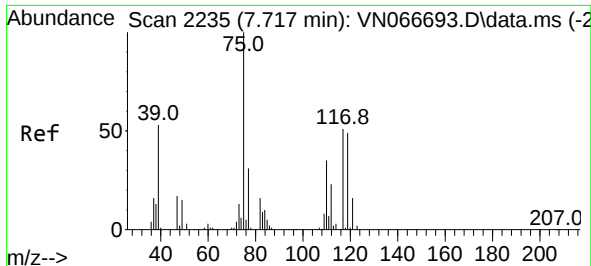
Tgt Ion:114 Resp: 492156
Ion Ratio Lower Upper
114 100
63 20.6 0.0 38.6
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.37 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

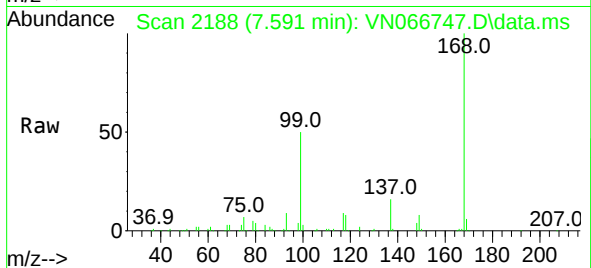
Tgt Ion:113 Resp: 152155
Ion Ratio Lower Upper
113 100
111 104.6 82.2 123.2
192 22.0 15.4 23.0



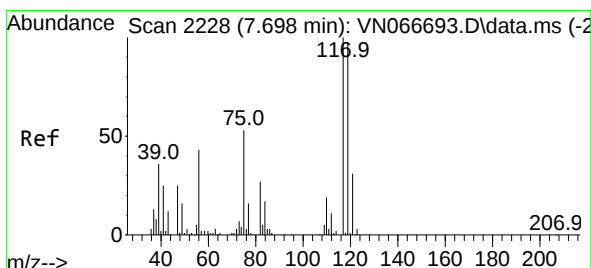
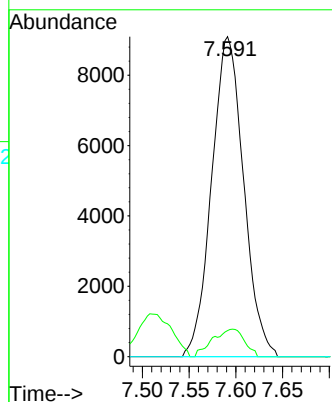
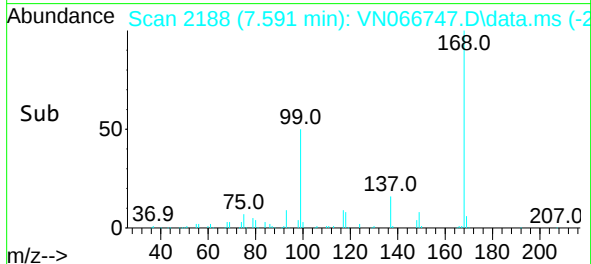


#36
1,1-Dichloropropene
Concen: 4.72 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

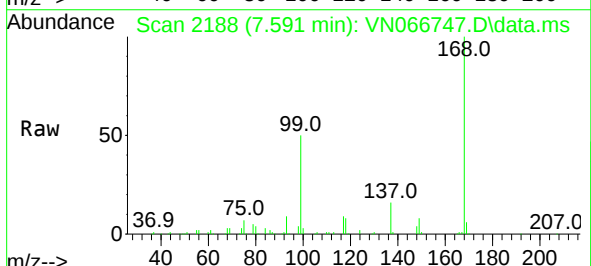
Instrument :
MSVOA_N
ClientSampled :



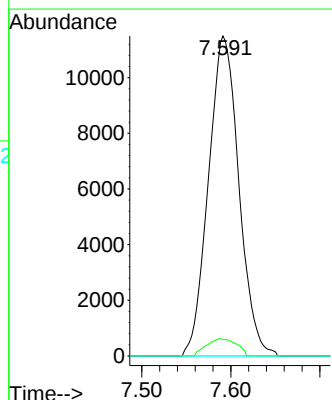
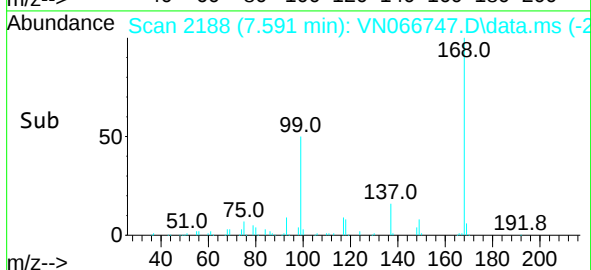
Tgt Ion: 75 Resp: 21609
Ion Ratio Lower Upper
75 100
110 8.5 18.2 54.6#
77 0.0 24.9 37.3#

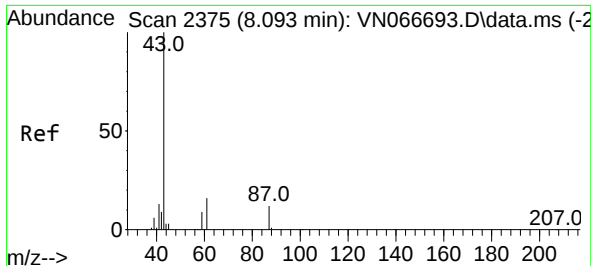


#38
Carbon Tetrachloride
Concen: 6.27 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.107 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57



Tgt Ion: 117 Resp: 27296
Ion Ratio Lower Upper
117 100
119 5.2 76.0 114.0#
121 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 3.65 ug/l

RT: 8.095 min Scan# 2376

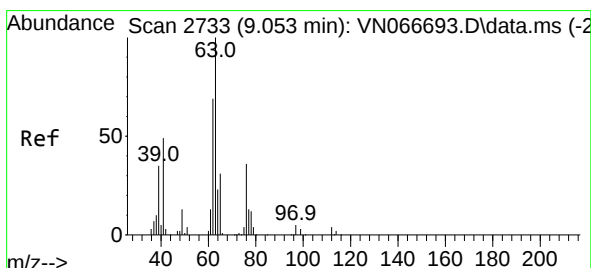
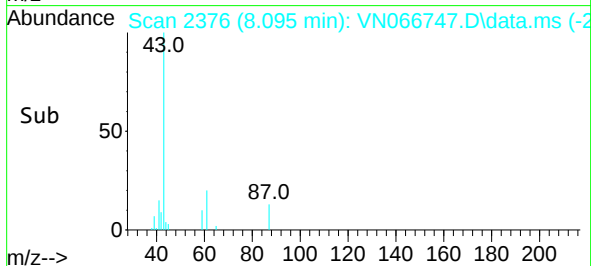
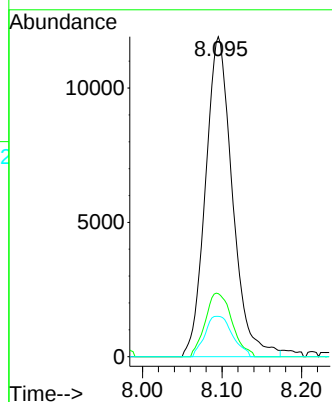
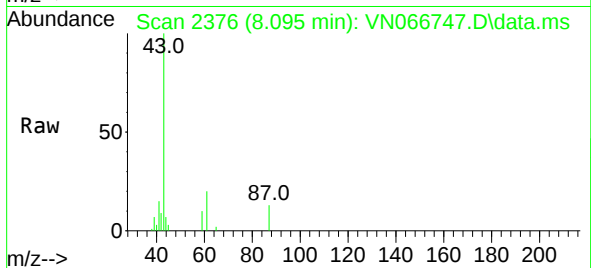
Delta R.T. 0.002 min

Lab File: VN066747.D

Acq: 23 Apr 2021 18:57

Tgt Ion:	43	Resp:	27998
Ion	Ratio	Lower	Upper
43	100		
61	19.8	22.5	33.7#
87	12.8	11.1	16.7

Instrument :
MSVOA_N
ClientSampleId :



#45

1,2-Dichloropropane

Concen: 0.46 ug/l

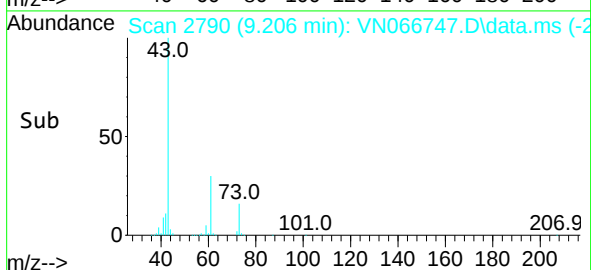
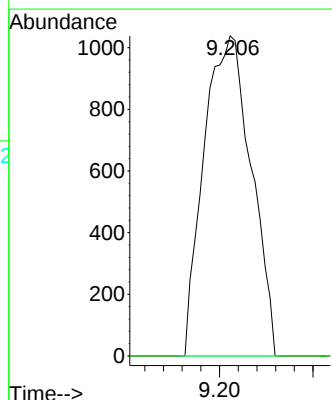
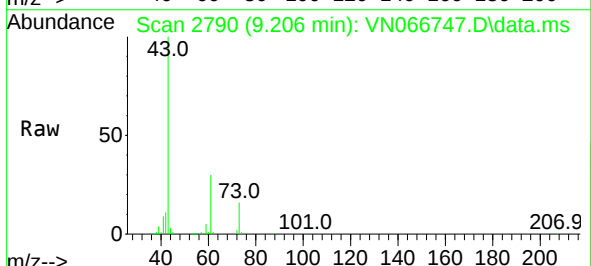
RT: 9.206 min Scan# 2790

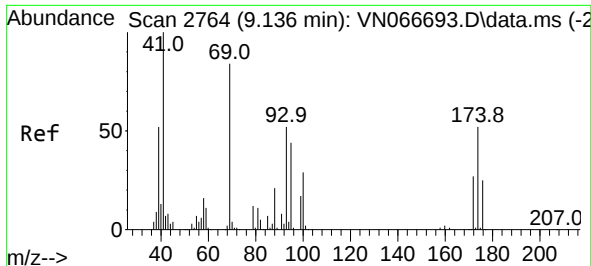
Delta R.T. 0.153 min

Lab File: VN066747.D

Acq: 23 Apr 2021 18:57

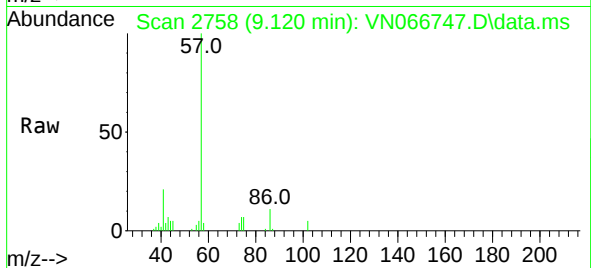
Tgt Ion:	63	Resp:	1823
Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.9	37.3#



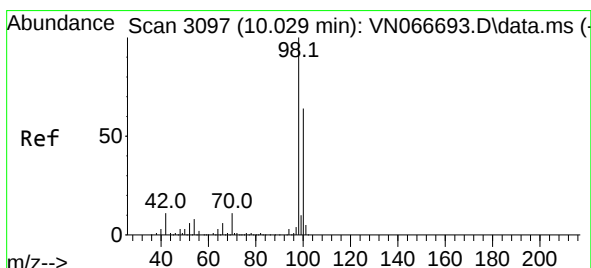
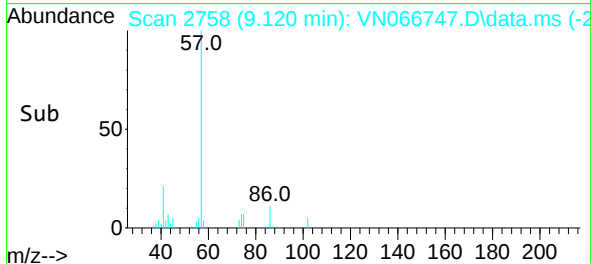
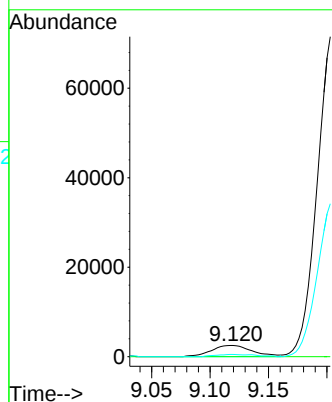


#48
Methyl methacrylate
Concen: 1.81 ug/l
RT: 9.120 min Scan# 2758
Delta R.T. -0.016 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

Instrument :
MSVOA_N
ClientSampled :

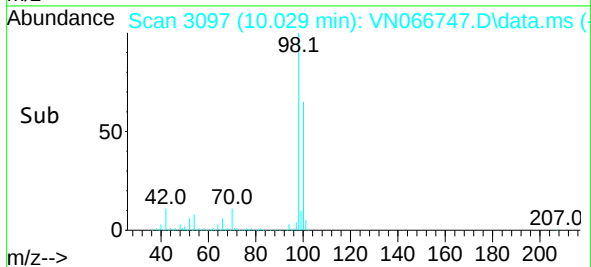
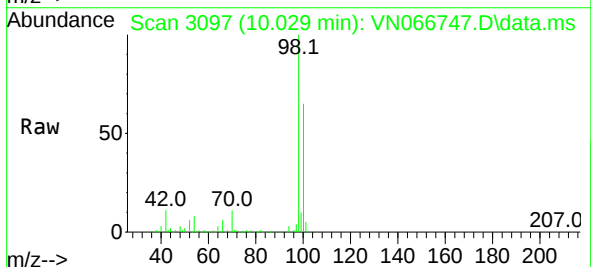
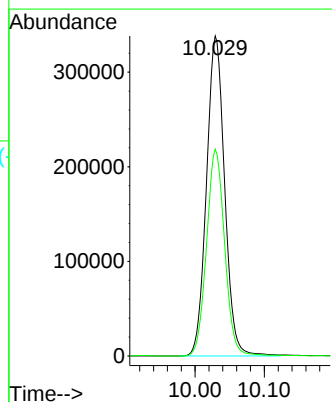


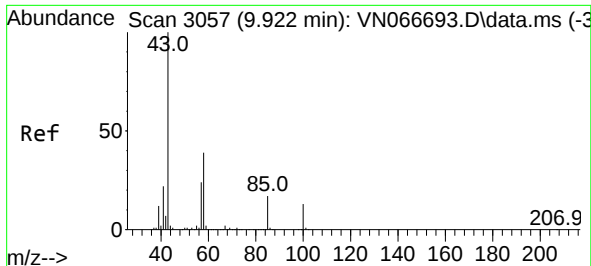
Tgt Ion: 41 Resp: 6110
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 51.35 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

Tgt Ion: 98 Resp: 617228
Ion Ratio Lower Upper
98 100
100 64.7 50.5 75.7

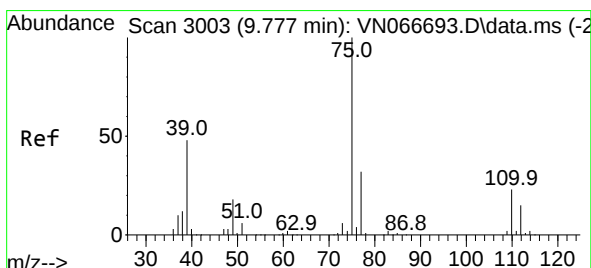
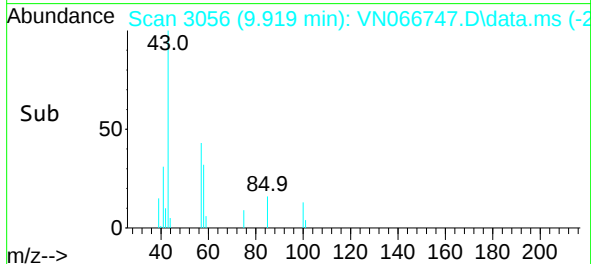
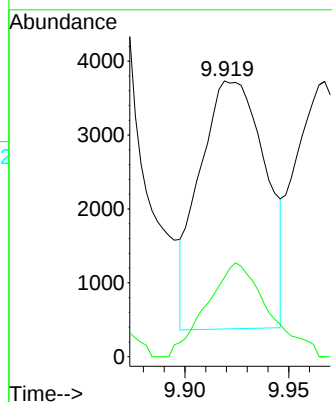
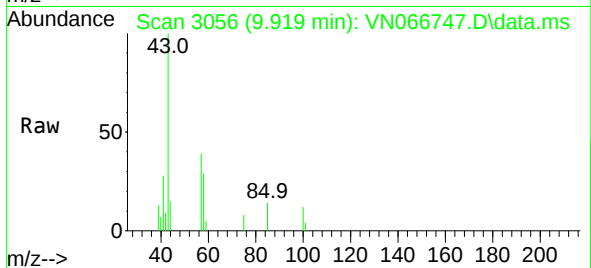




#51
4-Methyl-2-Pentanone
Concen: 1.72 ug/l
RT: 9.919 min Scan# 3056
Delta R.T. -0.003 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

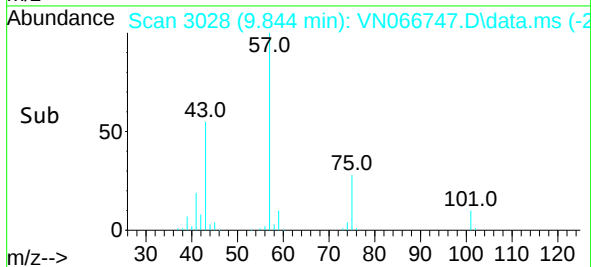
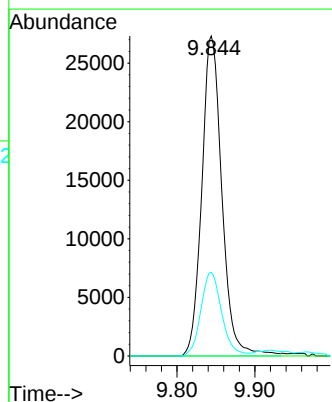
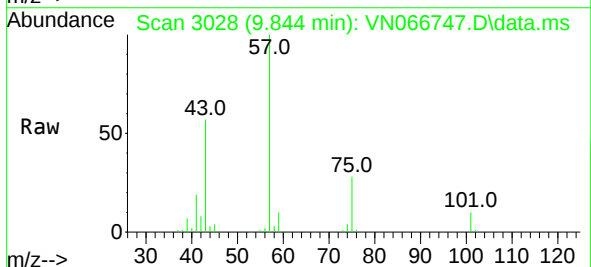
Instrument :
MSVOA_N
ClientSampleId :

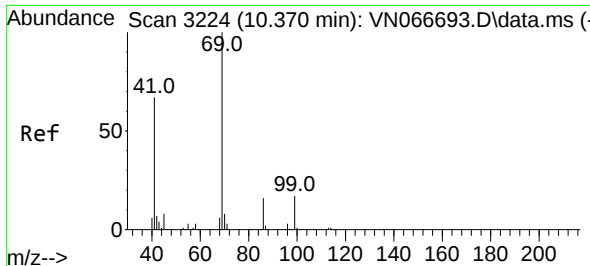
Tgt Ion: 43 Resp: 7374
Ion Ratio Lower Upper
43 100
58 35.4 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 8.30 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

Tgt Ion: 75 Resp: 49070
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 26.1 36.2 54.4#

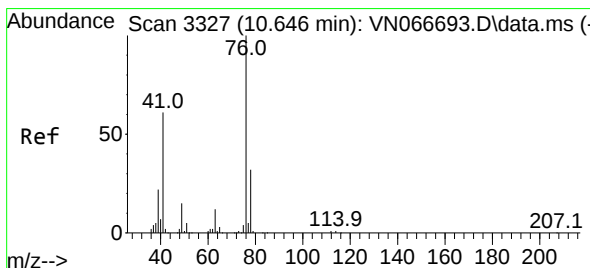
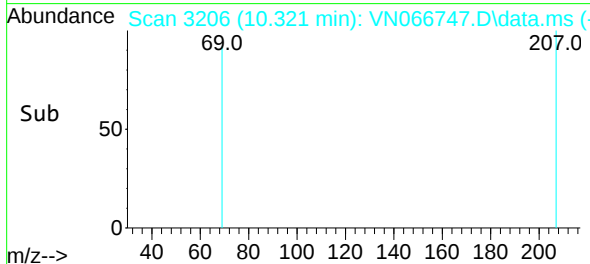
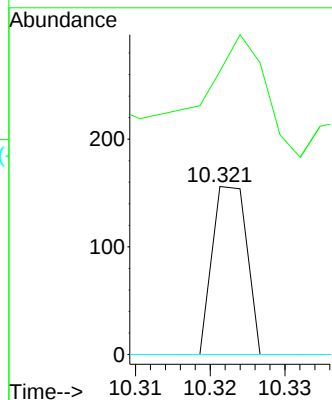
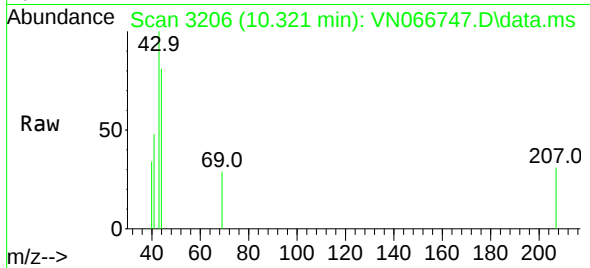




#56
Ethyl methacrylate
Concen: 3.16 ug/l
RT: 10.321 min Scan# 3206
Delta R.T. -0.049 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

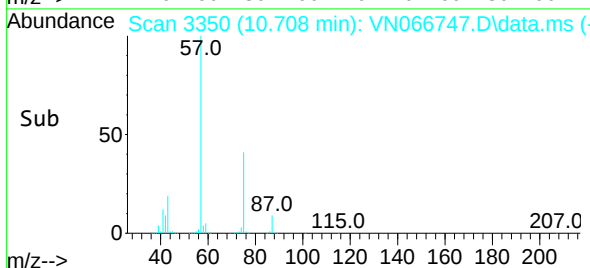
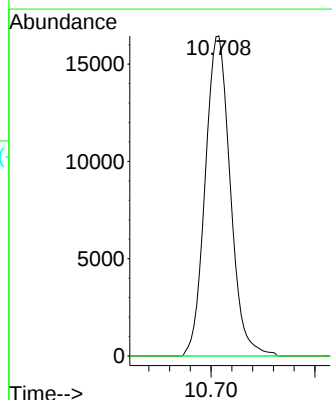
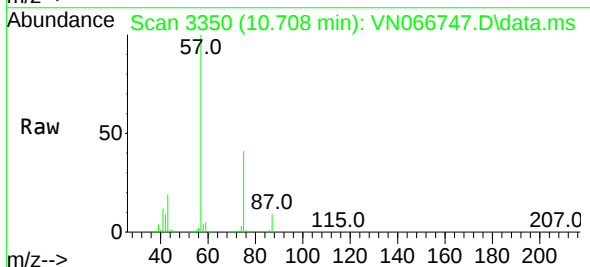
Instrument :
MSVOA_N
ClientSampleId :

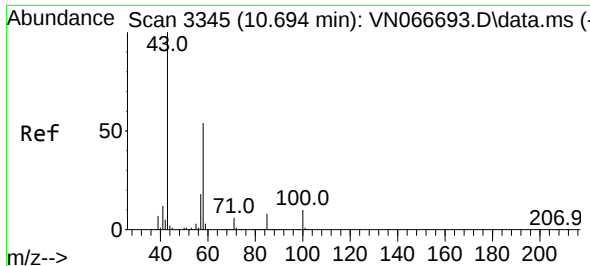
Tgt Ion: 69 Resp: 50
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.78 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.061 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

Tgt Ion: 76 Resp: 27560
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

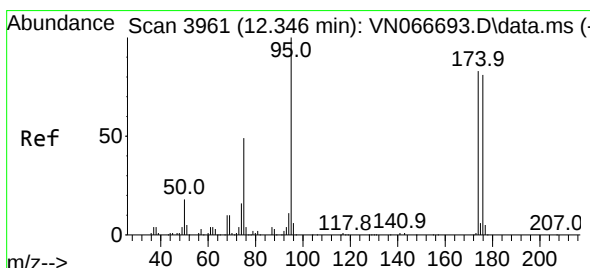
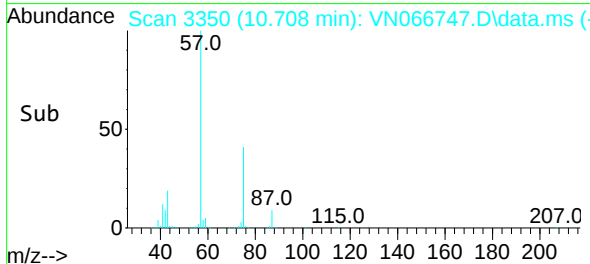
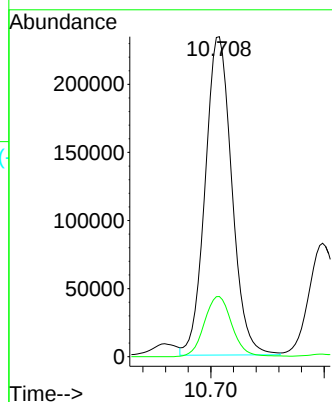
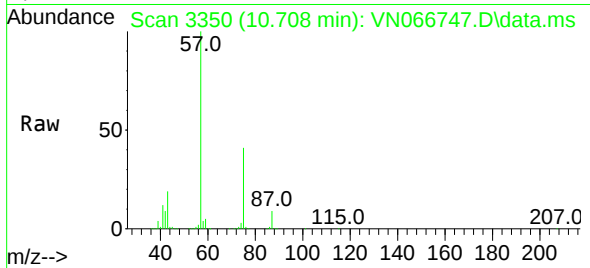




#59
2-Hexanone
Concen: 127.38 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.013 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

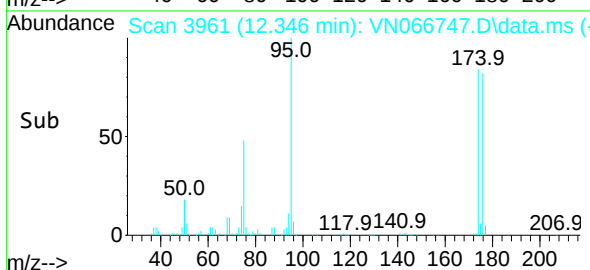
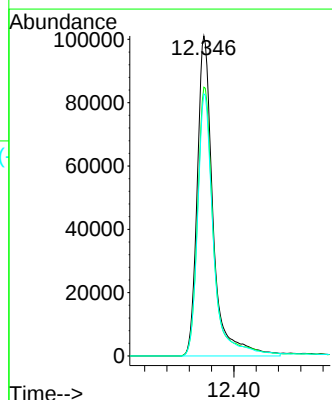
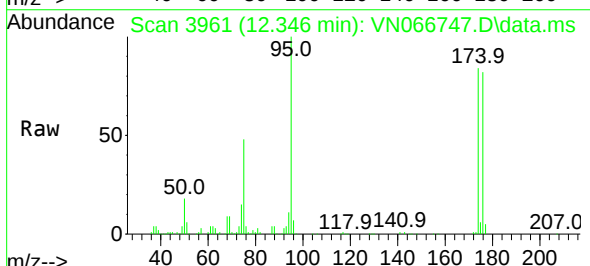
Instrument :
MSVOA_N
ClientSampleId :

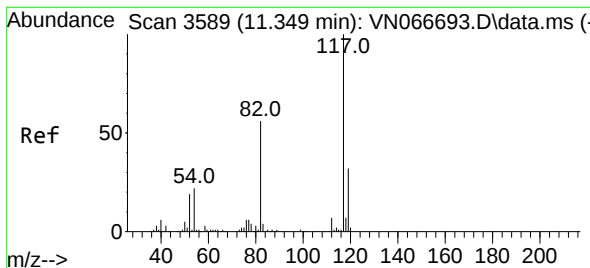
Tgt Ion: 43 Resp: 382279
Ion Ratio Lower Upper
43 100
58 19.7 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 48.21 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.000 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

Tgt Ion: 95 Resp: 198448
Ion Ratio Lower Upper
95 100
174 85.3 0.0 169.0
176 82.8 0.0 162.4

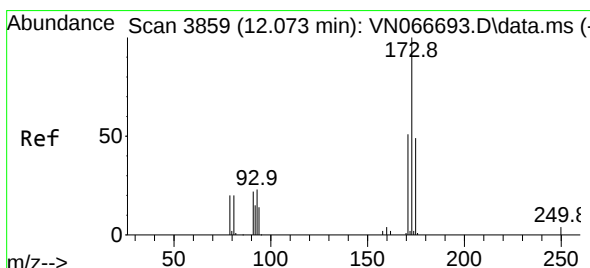
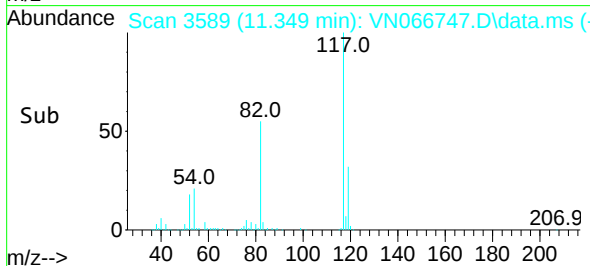
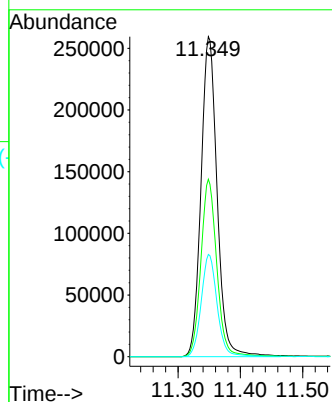
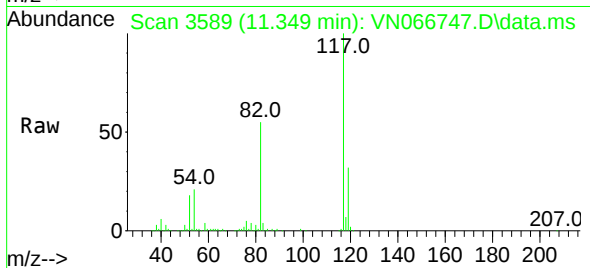




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

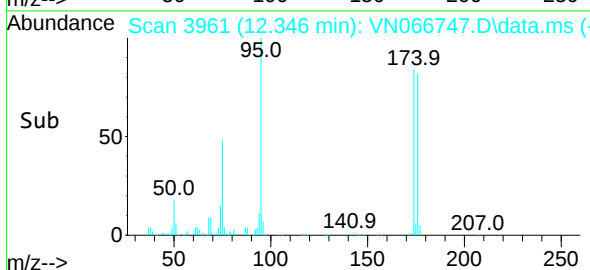
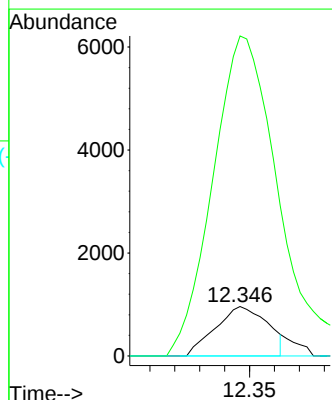
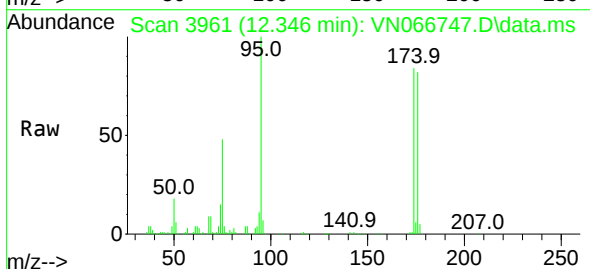
Instrument :
MSVOA_N
ClientSampleId :

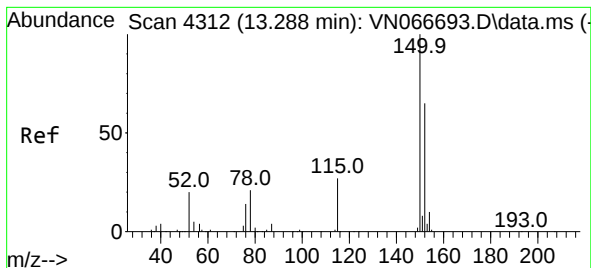
Tgt Ion:117 Resp: 465571
Ion Ratio Lower Upper
117 100
82 55.5 43.7 65.5
119 32.0 26.1 39.1



#71
Bromoform
Concen: 0.54 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.273 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

Tgt Ion:173 Resp: 1400
Ion Ratio Lower Upper
173 100
175 699.9 23.8 71.2#
254 0.0 0.0 0.0

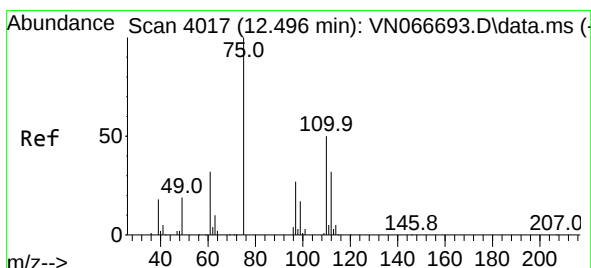
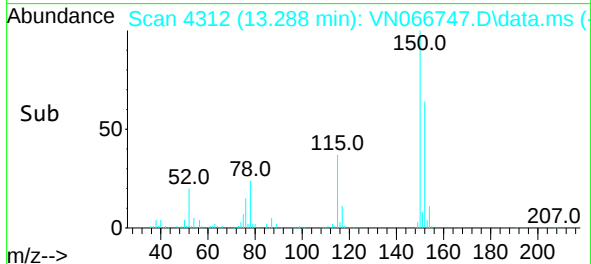
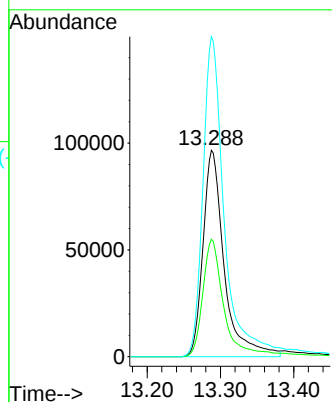
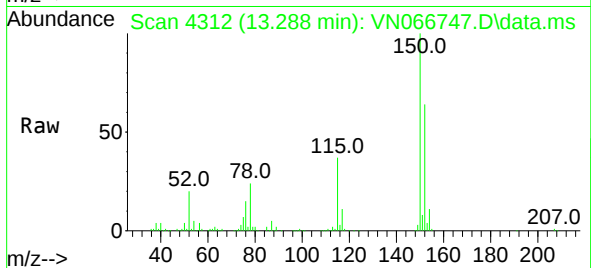




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.288 min Scan# 4312
Delta R.T. -0.000 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

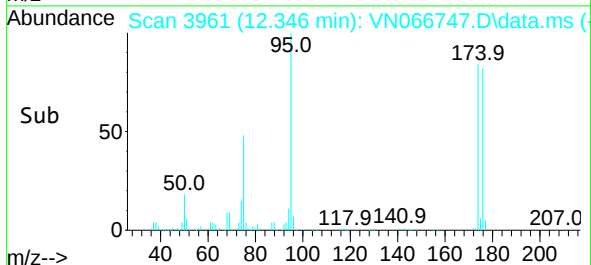
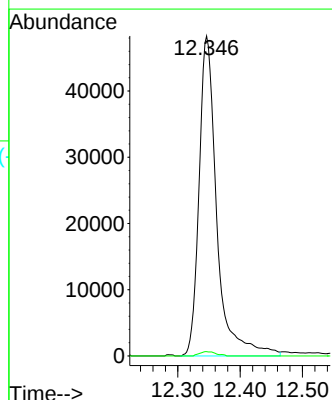
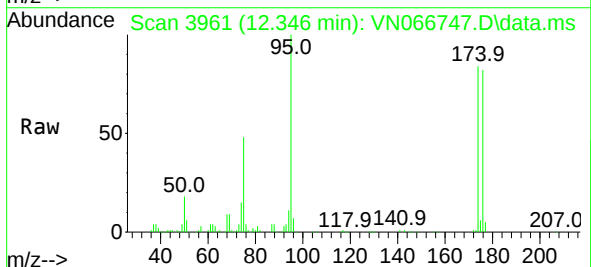
Instrument :
MSVOA_N
ClientSampleId :

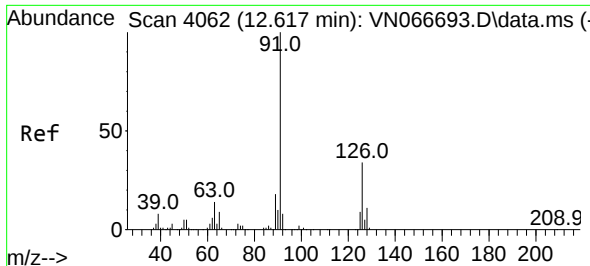
Tgt Ion:152 Resp: 194652
Ion Ratio Lower Upper
152 100
115 57.8 28.5 85.6
150 159.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 22.96 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

Tgt Ion: 75 Resp: 95623
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

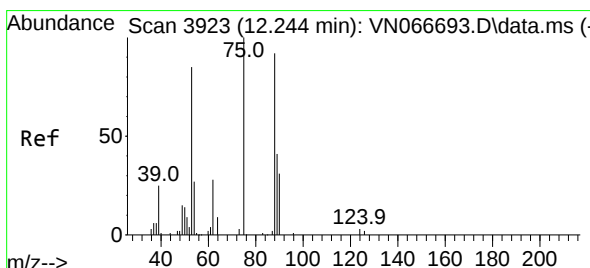
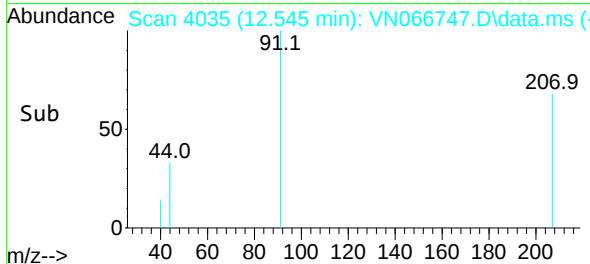
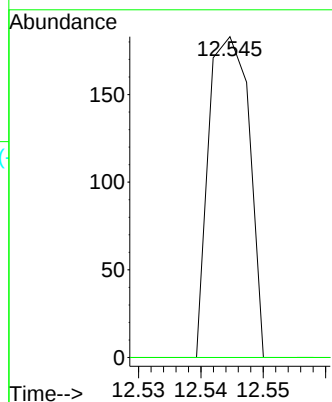
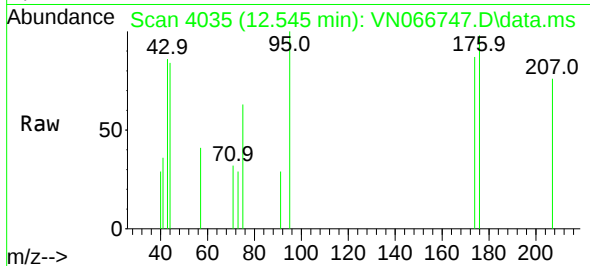




#79
2-Chlorotoluene
Concen: 0.94 ug/l
RT: 12.545 min Scan# 4035
Delta R.T. -0.072 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

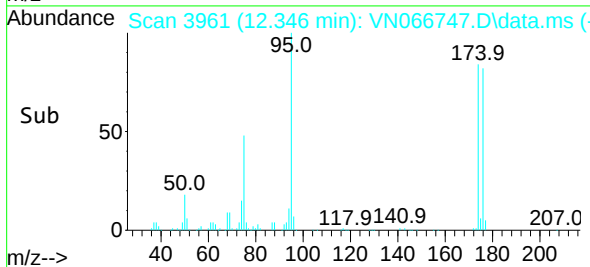
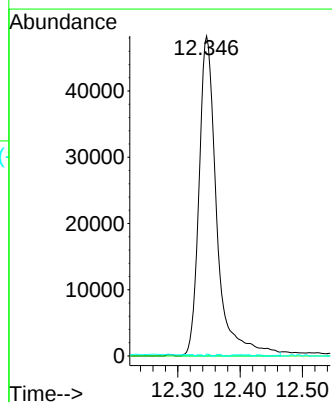
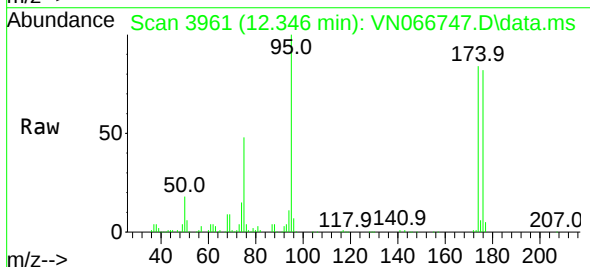
Instrument :
MSVOA_N
ClientSampled :

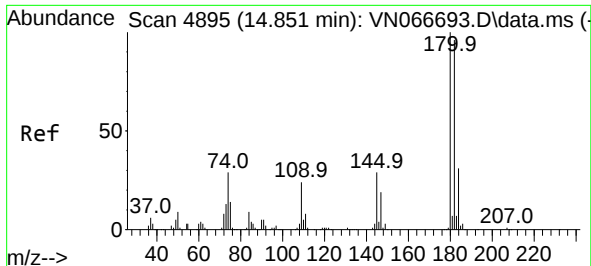
Tgt Ion: 91 Resp: 82
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.07 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

Tgt Ion: 75 Resp: 95623
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#

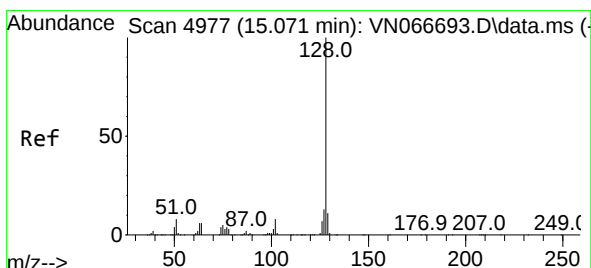
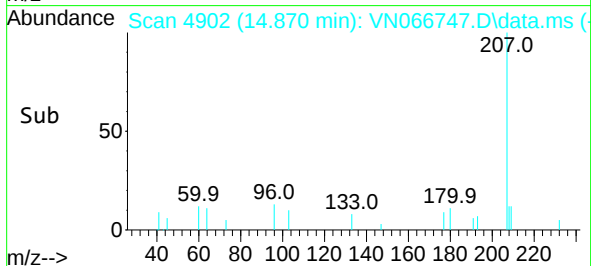
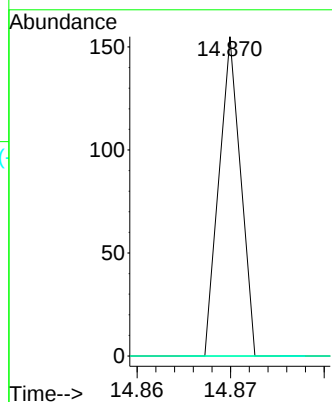
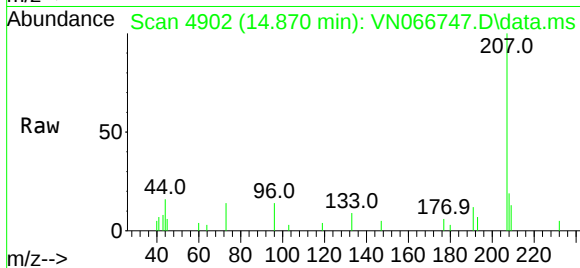




#93
1,2,4-Trichlorobenzene
Concen: 2.01 ug/l
RT: 14.870 min Scan# 4902
Delta R.T. 0.019 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

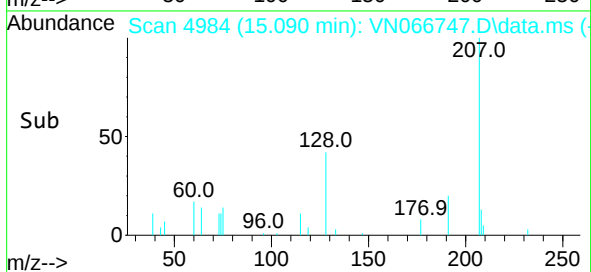
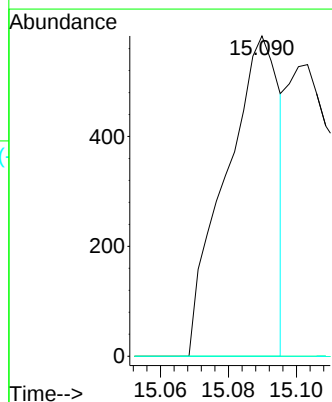
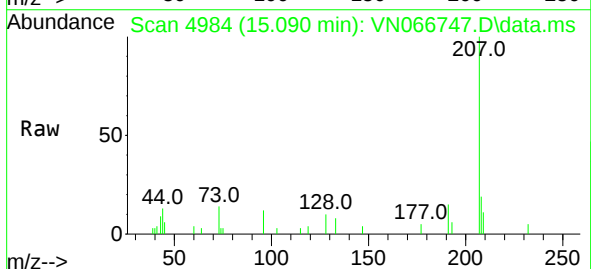
Instrument :
MSVOA_N
ClientSampled :

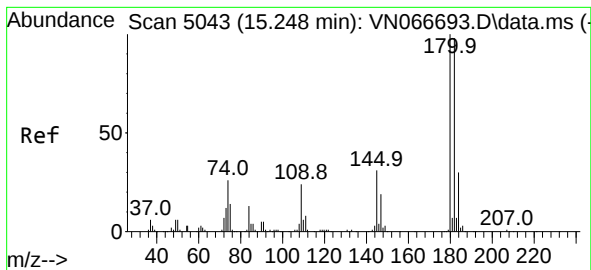
Tgt Ion:180 Resp: 25
Ion Ratio Lower Upper
180 100
182 0.0 47.3 142.0#
145 0.0 15.6 46.8#



#95
Naphthalene
Concen: 1.91 ug/l
RT: 15.090 min Scan# 4984
Delta R.T. 0.019 min
Lab File: VN066747.D
Acq: 23 Apr 2021 18:57

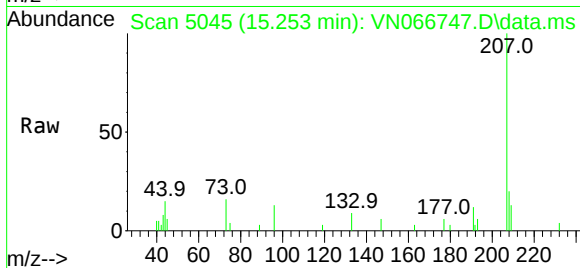
Tgt Ion:128 Resp: 637
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.37 ug/l
 RT: 15.253 min Scan# 5045
 Delta R.T. 0.005 min
 Lab File: VN066747.D
 Acq: 23 Apr 2021 18:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	208.0	47.4	142.3#
145	0.0	16.5	49.5#

