

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042321\
 Data File : VN066746.D
 Acq On : 23 Apr 2021 18:34
 Operator : JC/MD
 Sample : PB135928ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 26 09:12:51 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)

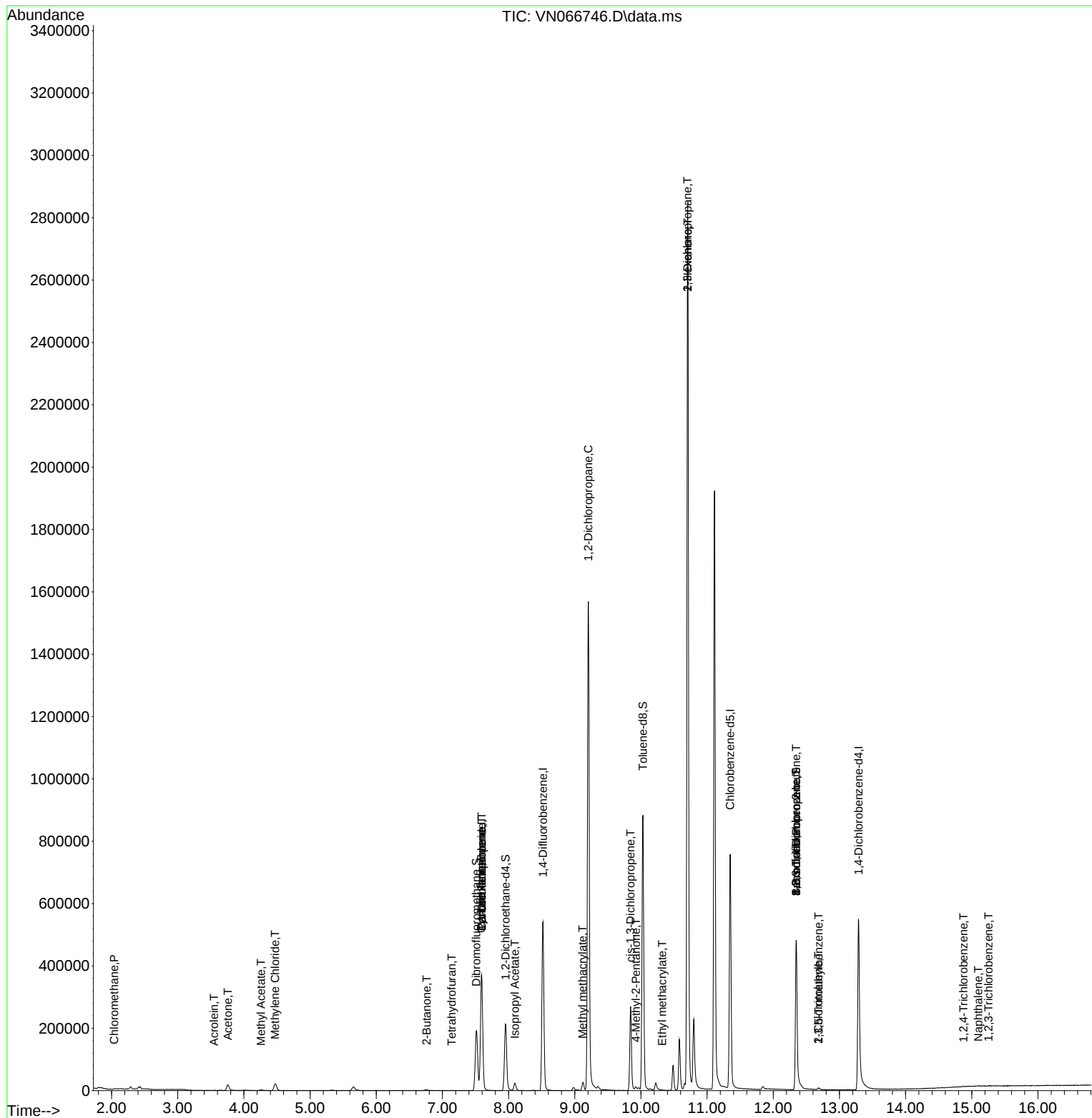
Internal Standards						
1) Pentafluorobenzene	7.594	168	326303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	504211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	462325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.288	152	191450	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	185719	46.59	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.18%		
35) Dibromofluoromethane	7.513	113	157012	49.73	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.46%		
50) Toluene-d8	10.029	98	624742	50.74	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.48%		
62) 4-Bromofluorobenzene	12.346	95	198874	47.16	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.32%		
Target Compounds					Qvalue	
3) Chloromethane	2.039	50	1054	0.20	ug/l #	87
13) Acrolein	3.547	56	323	0.58	ug/l #	59
16) Acetone	3.759	43	31641	21.20	ug/l	99
18) Methyl Acetate	4.257	43	4894	1.18	ug/l #	66
20) Methylene Chloride	4.469	84	16752	3.78	ug/l	92
25) 2-Butanone	6.762	43	4630	2.16	ug/l	90
29) Tetrahydrofuran	7.141	42	495	0.34	ug/l #	32
31) Cyclohexane	7.588	56	5824	0.90	ug/l #	1
36) 1,1-Dichloropropene	7.594	75	22593	4.82	ug/l #	48
38) Carbon Tetrachloride	7.594	117	28343	6.35	ug/l #	17
43) Isopropyl Acetate	8.093	43	29606	3.77	ug/l #	89
45) 1,2-Dichloropropane	9.203	63	1871	0.46	ug/l #	44
48) Methyl methacrylate	9.117	41	6472	1.88	ug/l #	10
51) 4-Methyl-2-Pentanone	9.924	43	7629	1.73	ug/l	100
54) cis-1,3-Dichloropropene	9.844	75	52801	8.72	ug/l #	60
56) Ethyl methacrylate	10.321	69	151	3.18	ug/l #	1
57) 1,3-Dichloropropane	10.705	76	29337	4.97	ug/l #	43
59) 2-Hexanone	10.708	43	413784	133.64	ug/l #	50
71) Bromoform	12.346	173	1139	0.44	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	95148	23.23	ug/l #	100
79) 2-Chlorotoluene	12.681	91	205	0.96	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.684	105	3986	0.34	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.346	75	95148	68.80	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.873	180	85	2.02	ug/l #	35
95) Naphthalene	15.098	128	1449	2.00	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.254	180	55	1.37	ug/l #	12

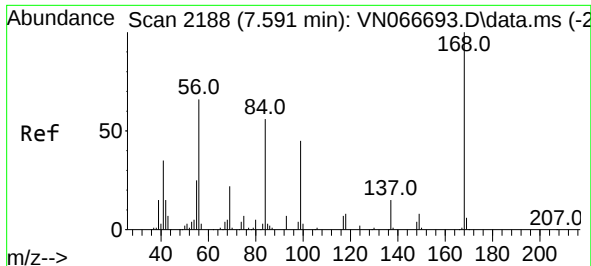
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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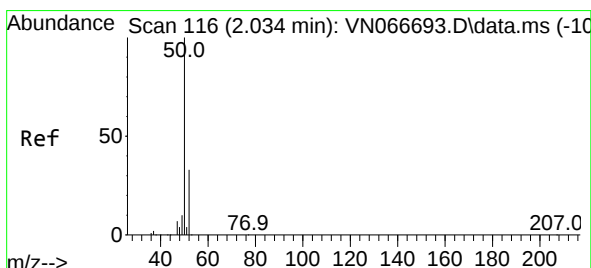
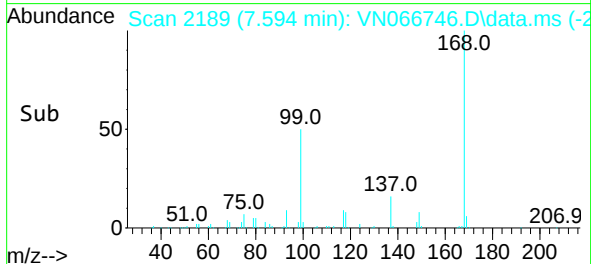
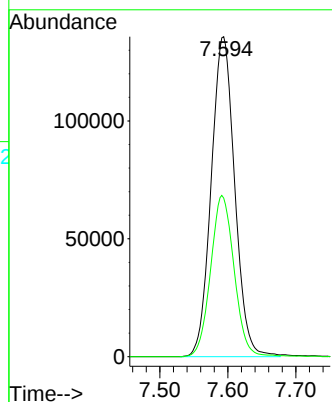
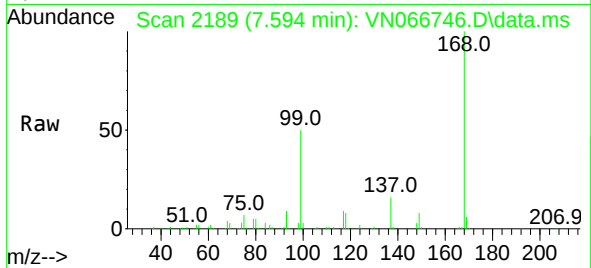




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. 0.003 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

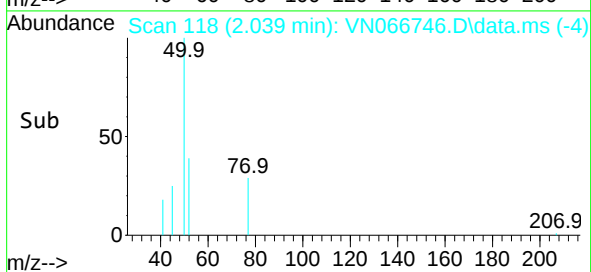
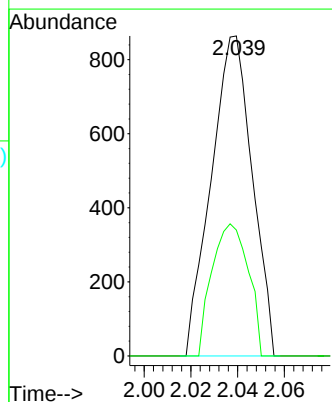
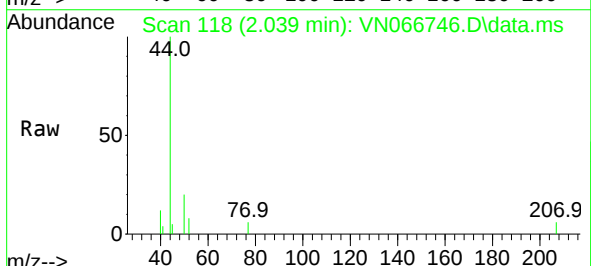
Instrument :
MSVOA_N
ClientSampled :

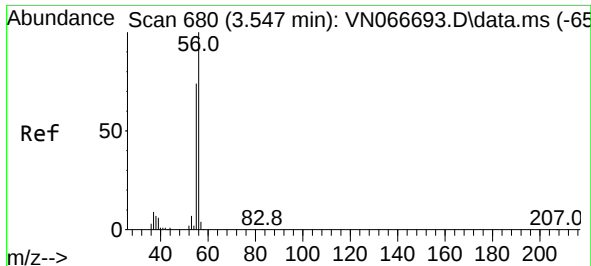
Tgt Ion:168 Resp: 326303
Ion Ratio Lower Upper
168 100
99 49.5 42.6 63.8



#3
Chloromethane
Concen: 0.20 ug/l
RT: 2.039 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

Tgt Ion: 50 Resp: 1054
Ion Ratio Lower Upper
50 100
52 39.4 25.8 38.8#

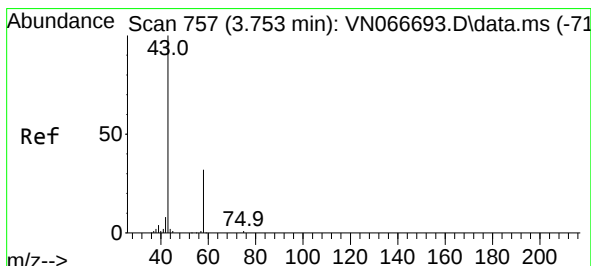
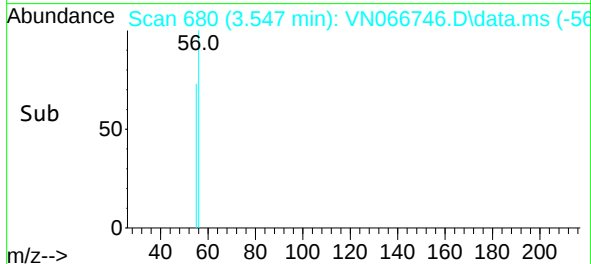
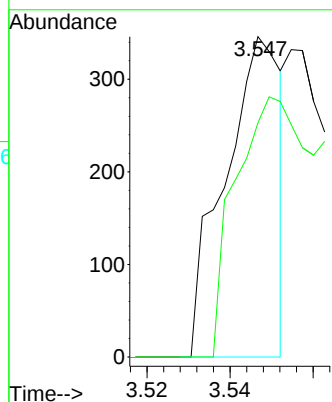
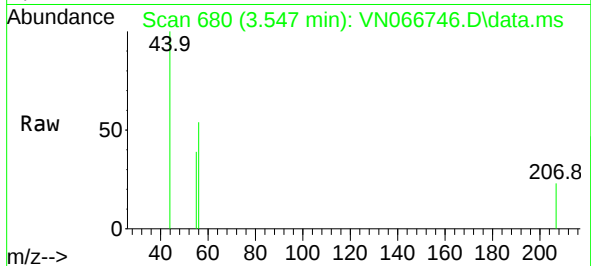




#13
Acrolein
Concen: 0.58 ug/l
RT: 3.547 min Scan# 680
Delta R.T. -0.000 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

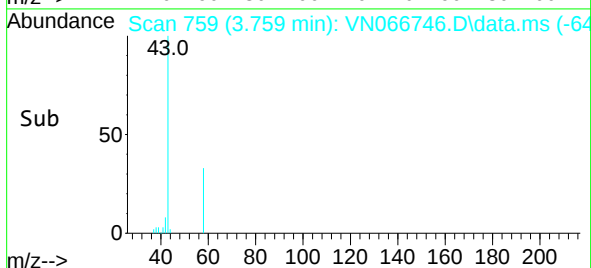
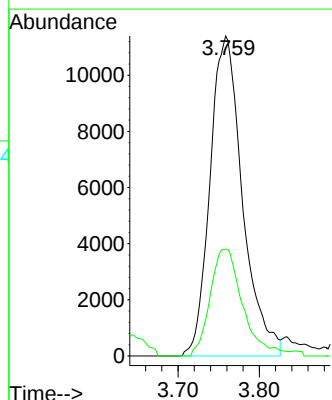
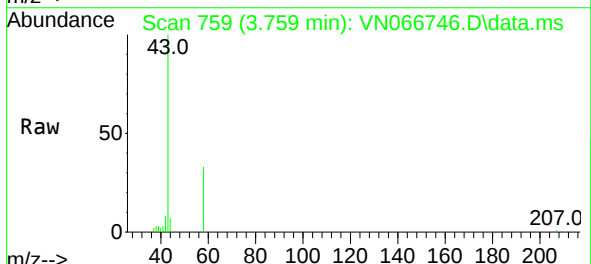
Instrument :
MSVOA_N
ClientSampled :

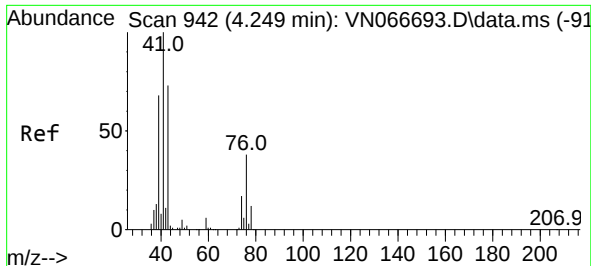
Tgt Ion: 56 Resp: 323
Ion Ratio Lower Upper
56 100
55 103.7 56.0 84.0#



#16
Acetone
Concen: 21.20 ug/l
RT: 3.759 min Scan# 759
Delta R.T. 0.006 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

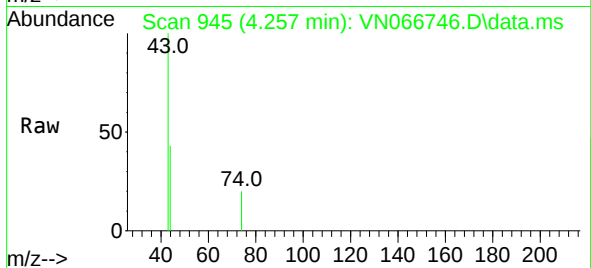
Tgt Ion: 43 Resp: 31641
Ion Ratio Lower Upper
43 100
58 33.3 27.0 40.6



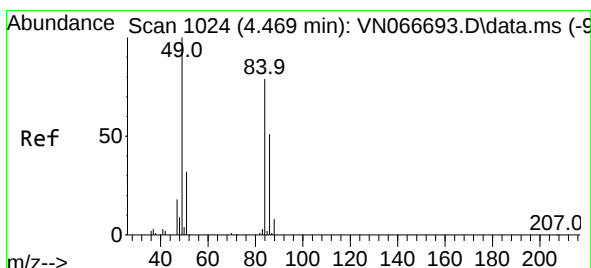
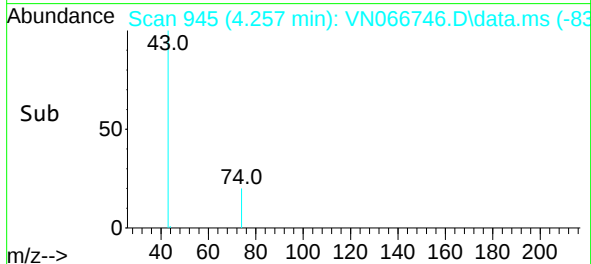
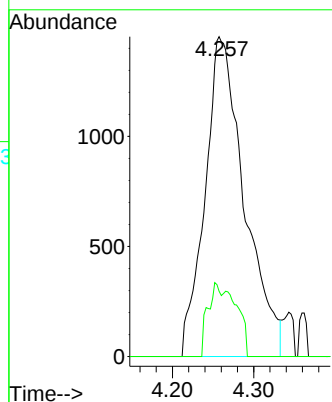


#18
Methyl Acetate
Concen: 1.18 ug/l
RT: 4.257 min Scan# 945
Delta R.T. 0.008 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

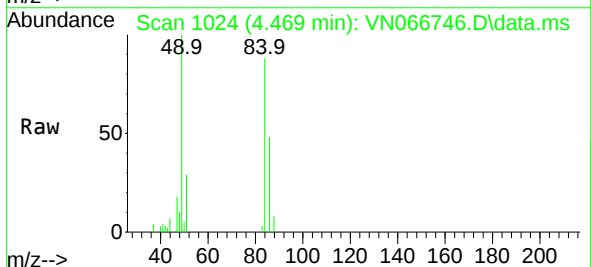
Instrument :
MSVOA_N
ClientSampled :



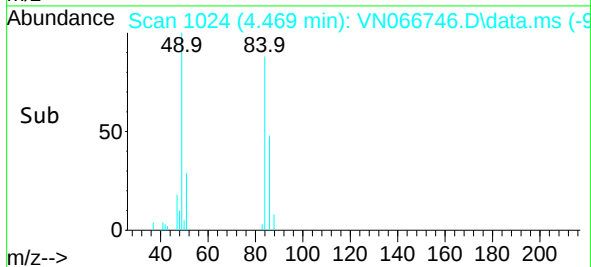
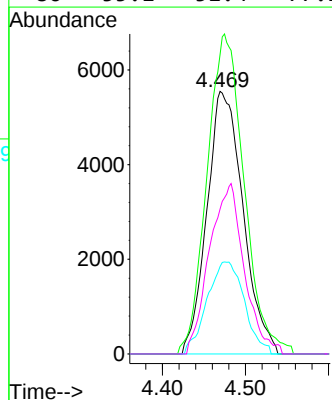
Tgt Ion: 43 Resp: 4894
Ion Ratio Lower Upper
43 100
74 7.7 19.5 29.3#

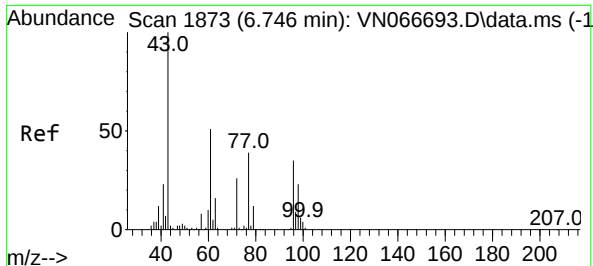


#20
Methylene Chloride
Concen: 3.78 ug/l
RT: 4.469 min Scan# 1024
Delta R.T. 0.000 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34



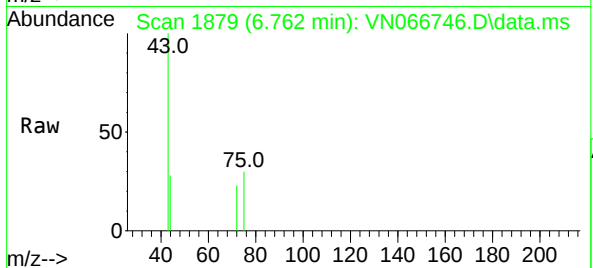
Tgt Ion: 84 Resp: 16752
Ion Ratio Lower Upper
84 100
49 111.2 94.6 141.8
51 33.3 29.9 44.9
86 55.1 51.4 77.2



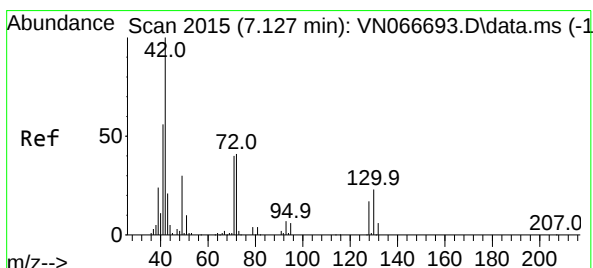
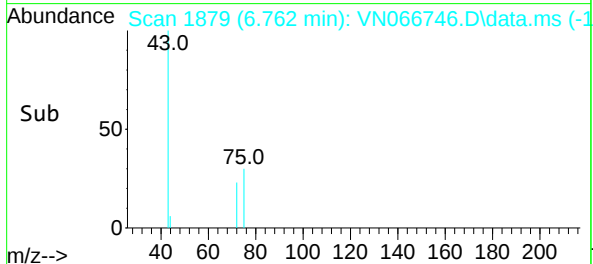
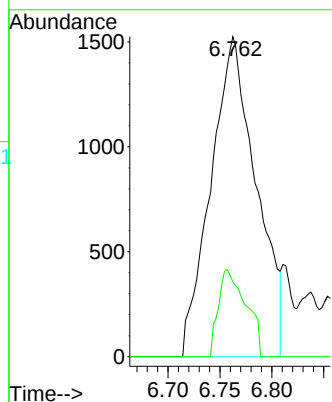


#25
2-Butanone
Concen: 2.16 ug/l
RT: 6.762 min Scan# 1879
Delta R.T. 0.016 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

Instrument :
MSVOA_N
ClientSampled :

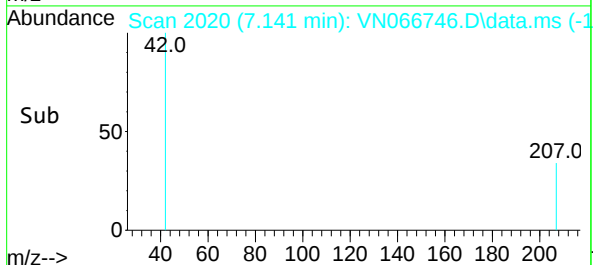
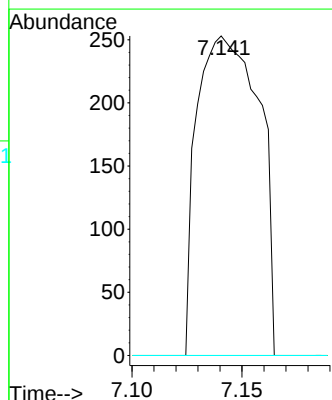
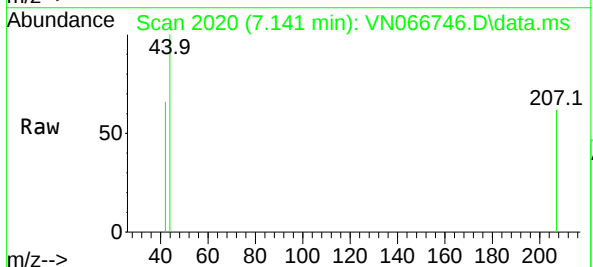


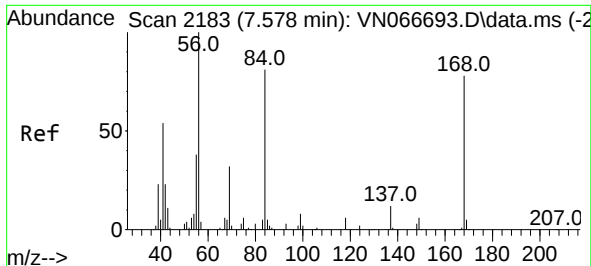
Tgt Ion: 43 Resp: 4630
Ion Ratio Lower Upper
43 100
72 23.3 23.1 34.7



#29
Tetrahydrofuran
Concen: 0.34 ug/l
RT: 7.141 min Scan# 2020
Delta R.T. 0.014 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

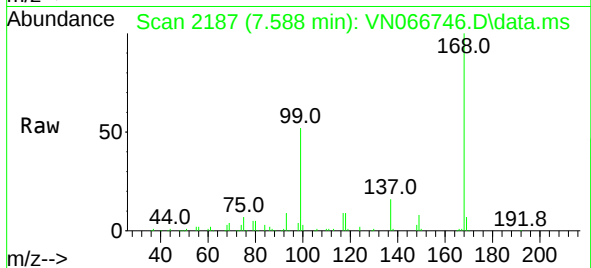
Tgt Ion: 42 Resp: 495
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#



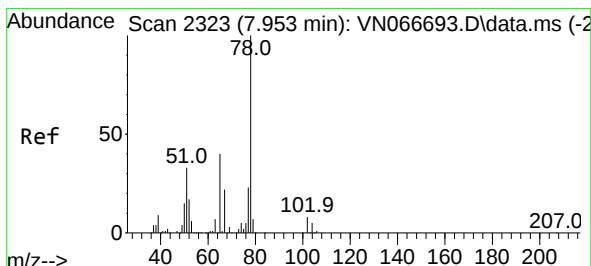
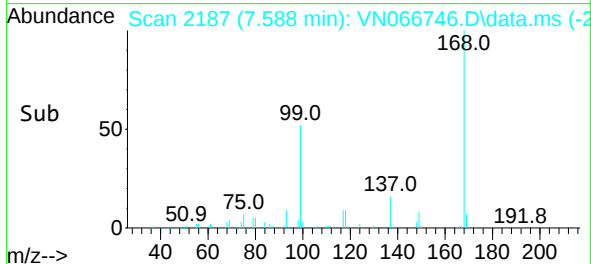
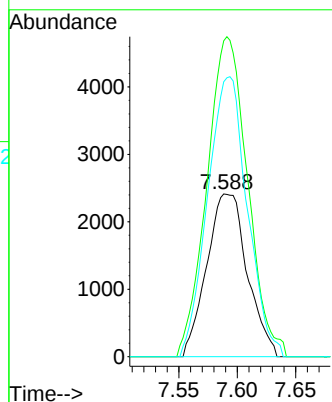


#31
Cyclohexane
Concen: 0.90 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. 0.010 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

Instrument :
MSVOA_N
ClientSampleId :

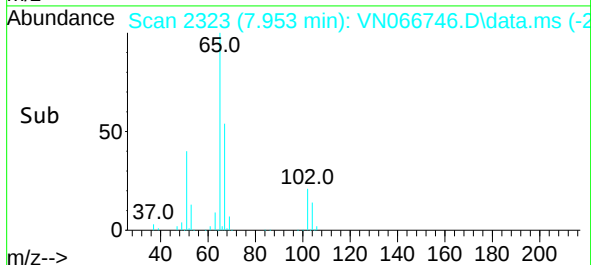
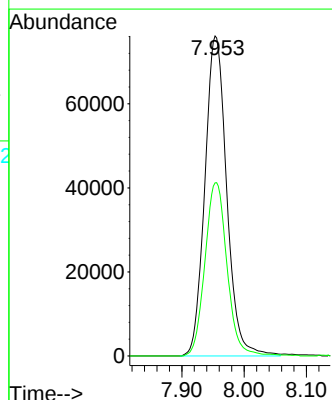
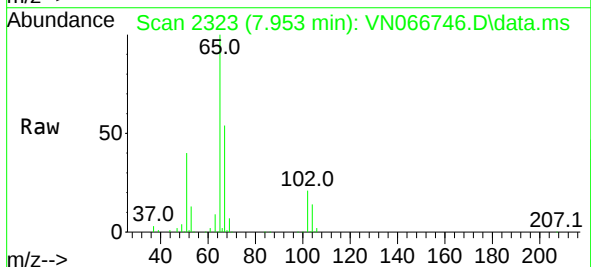


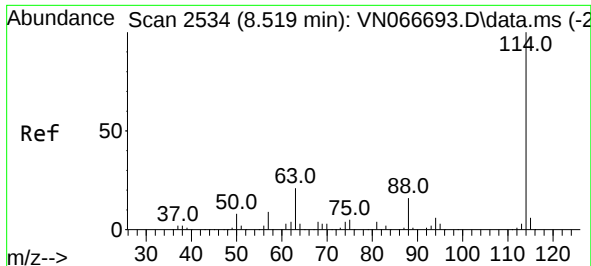
Tgt Ion	Ratio	Lower	Upper
56	100		
69	187.2	26.6	39.8#
84	169.0	70.4	105.6#



#33
1,2-Dichloroethane-d4
Concen: 46.59 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	107.2

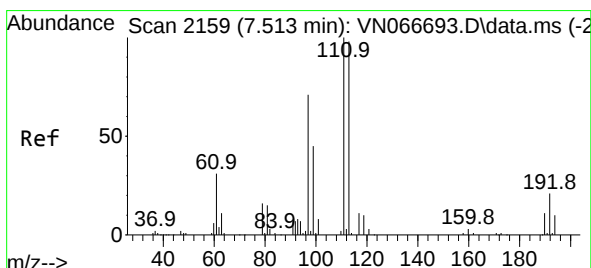
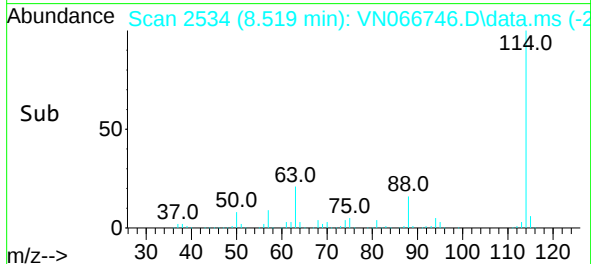
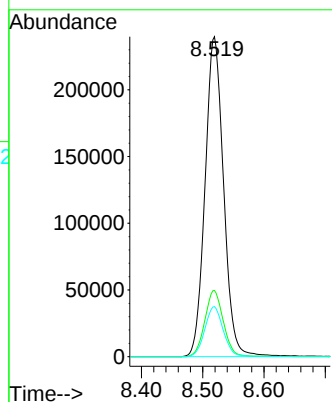
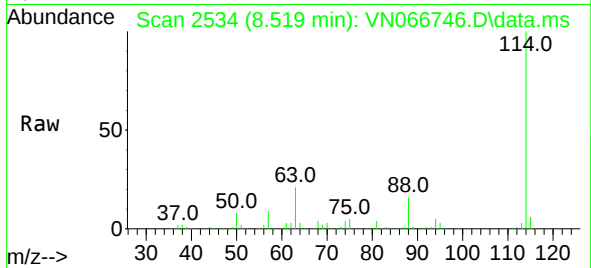




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

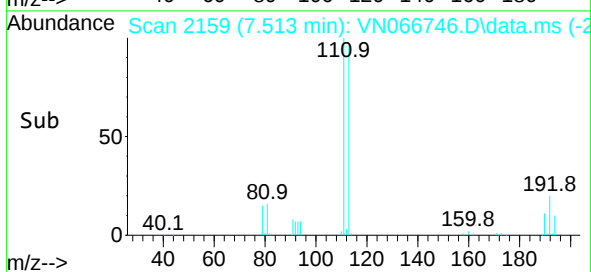
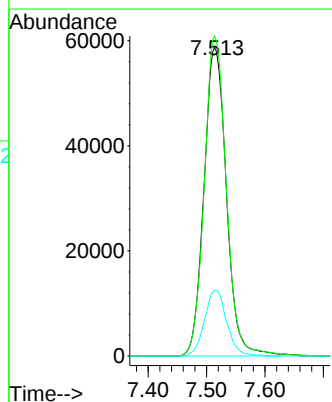
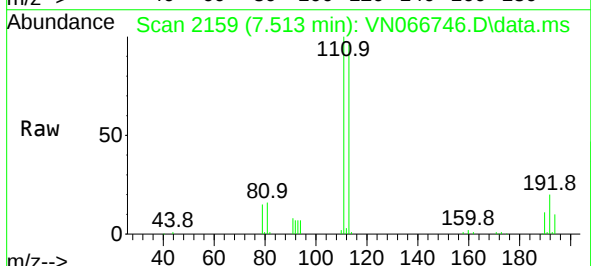
Instrument :
MSVOA_N
ClientSampled :

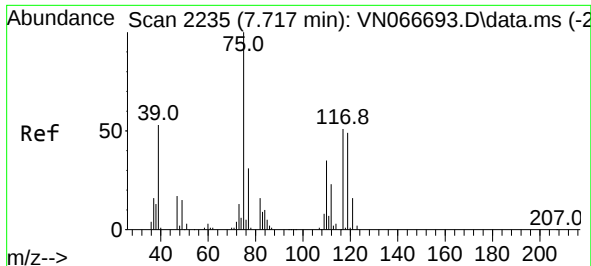
Tgt Ion:114 Resp: 504211
Ion Ratio Lower Upper
114 100
63 20.7 0.0 38.6
88 15.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.73 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

Tgt Ion:113 Resp: 157012
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.2
192 20.9 15.4 23.0



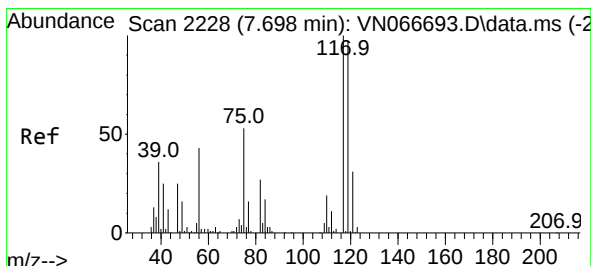
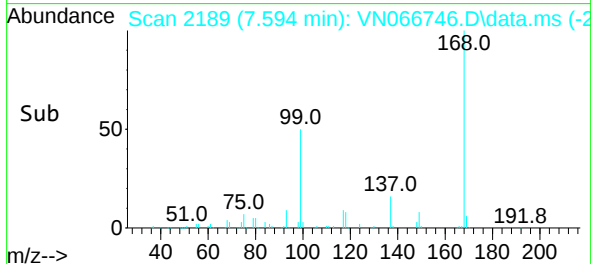
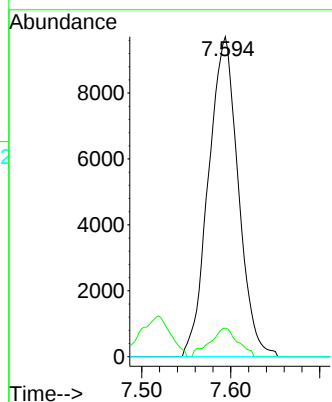
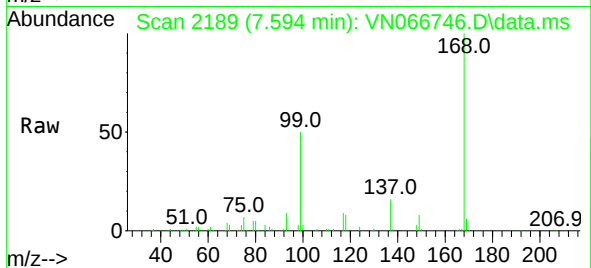


#36

1,1-Dichloropropene
Concen: 4.82 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. -0.123 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

Instrument :
MSVOA_N
ClientSampleId :

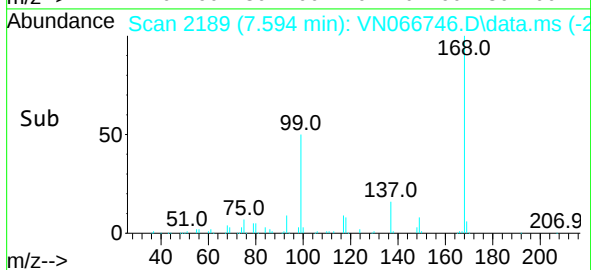
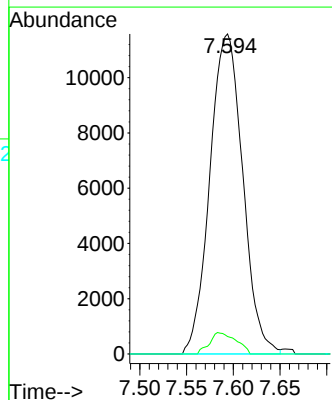
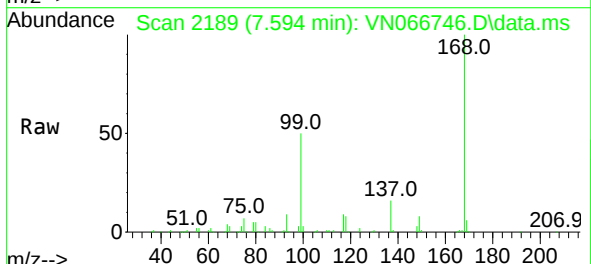
Tgt Ion:	75	Resp:	22593
Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.2	54.6#
77	0.0	24.9	37.3#

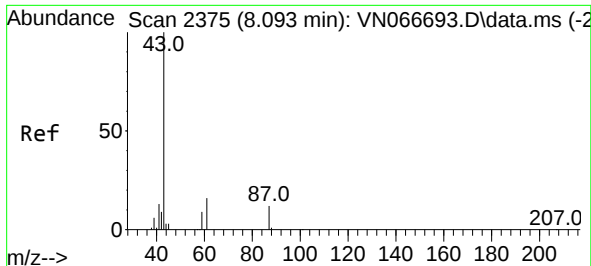


#38

Carbon Tetrachloride
Concen: 6.35 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. -0.104 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

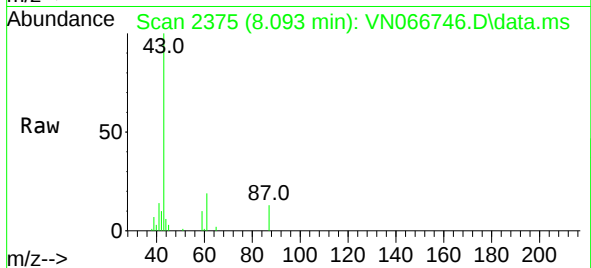
Tgt Ion:	117	Resp:	28343
Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.0	114.0#
121	0.0	24.5	36.7#



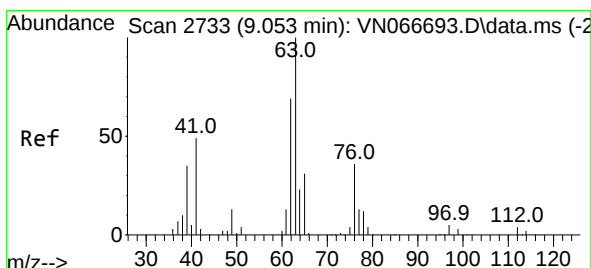
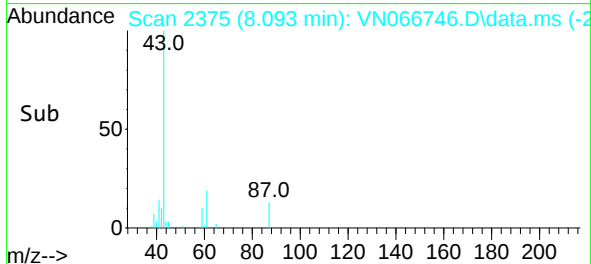
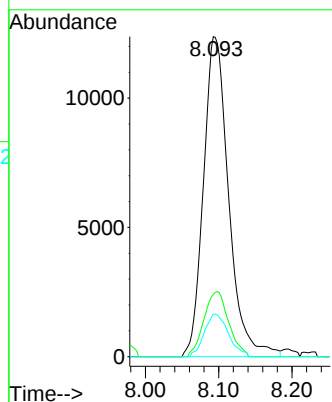


#43
Isopropyl Acetate
Concen: 3.77 ug/l
RT: 8.093 min Scan# 2375
Delta R.T. -0.000 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

Instrument :
MSVOA_N
ClientSampled :

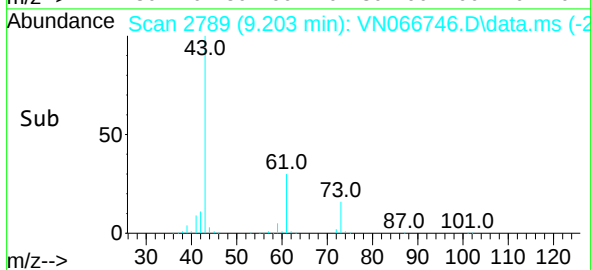
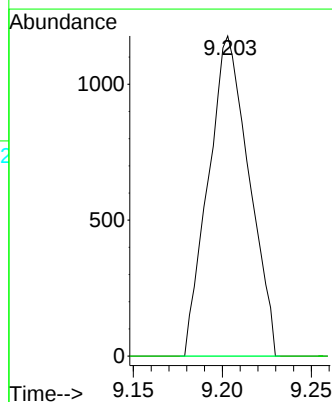
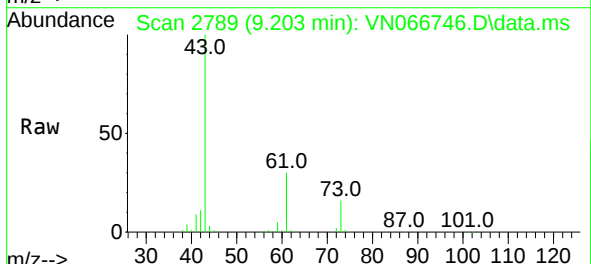


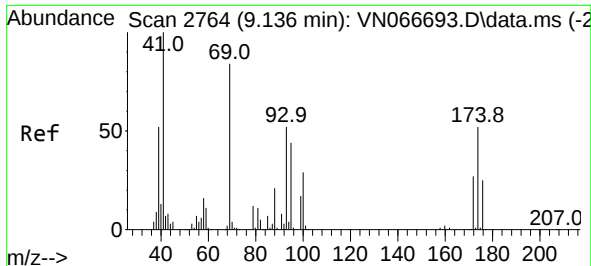
Tgt Ion: 43 Resp: 29606
Ion Ratio Lower Upper
43 100
61 19.9 22.5 33.7#
87 12.7 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.46 ug/l
RT: 9.203 min Scan# 2789
Delta R.T. 0.150 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

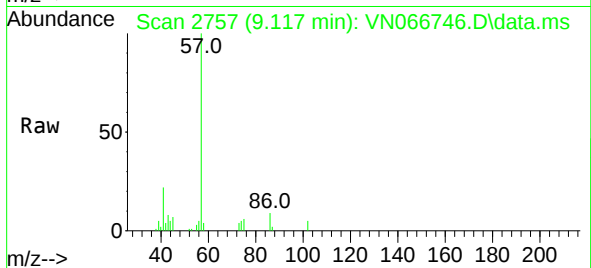
Tgt Ion: 63 Resp: 1871
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



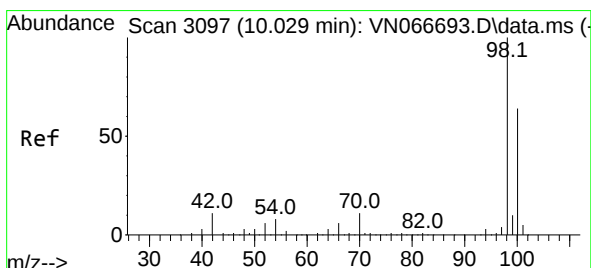
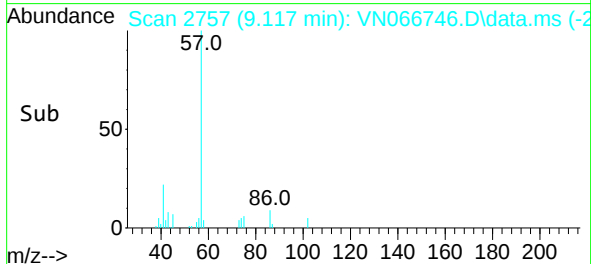
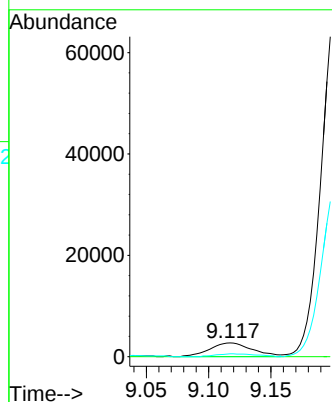


#48
Methyl methacrylate
Concen: 1.88 ug/l
RT: 9.117 min Scan# 2757
Delta R.T. -0.019 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

Instrument :
MSVOA_N
ClientSampled :

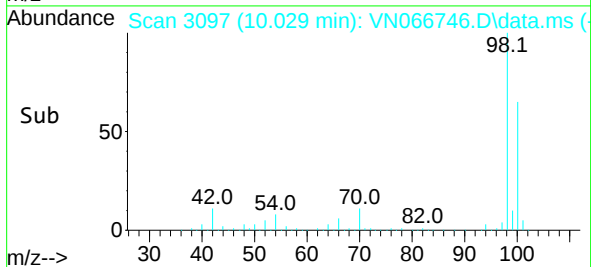
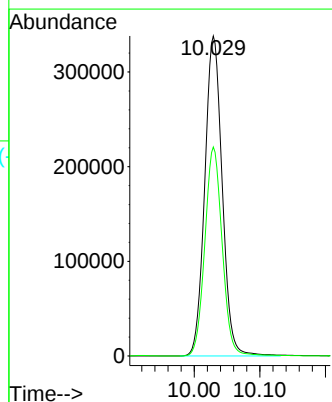
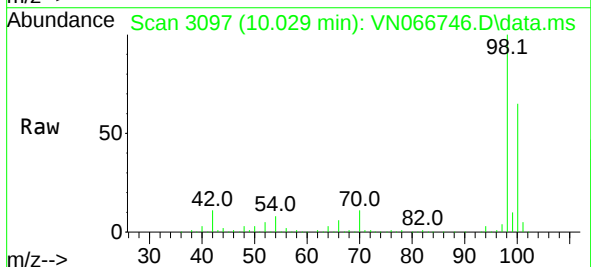


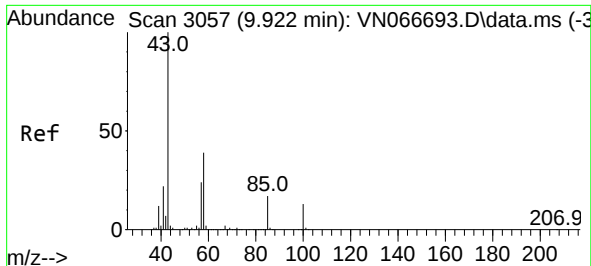
Tgt Ion: 41 Resp: 6472
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 50.74 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. 0.000 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

Tgt Ion: 98 Resp: 624742
Ion Ratio Lower Upper
98 100
100 65.1 50.5 75.7

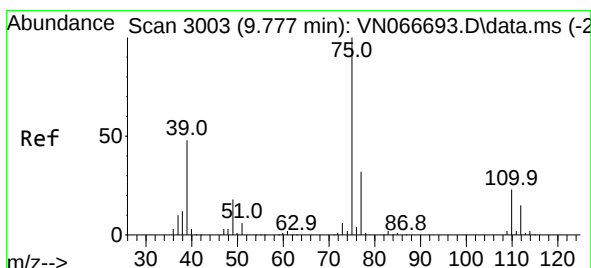
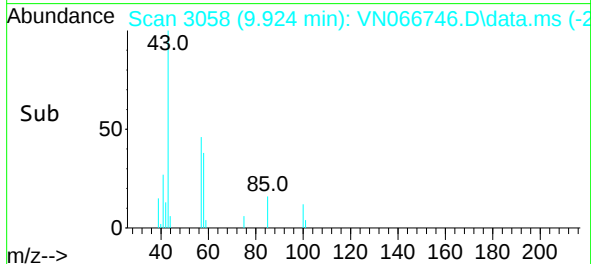
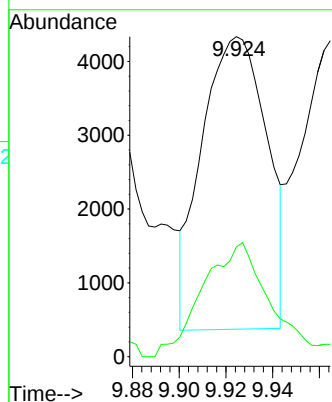
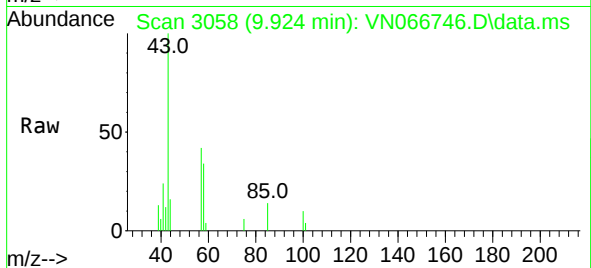




#51
4-Methyl-2-Pentanone
Concen: 1.73 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

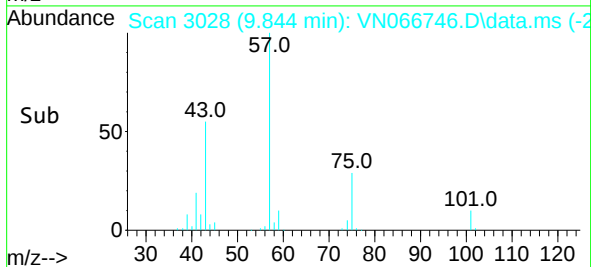
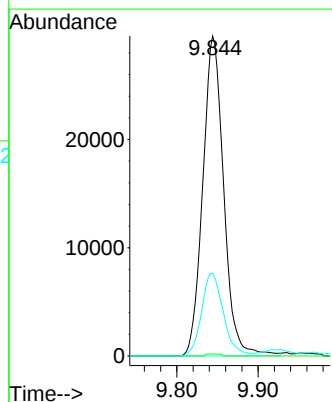
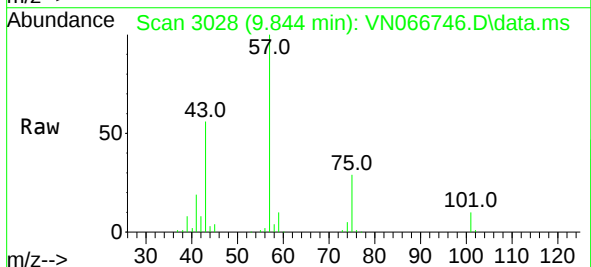
Instrument :
MSVOA_N
ClientSampled :

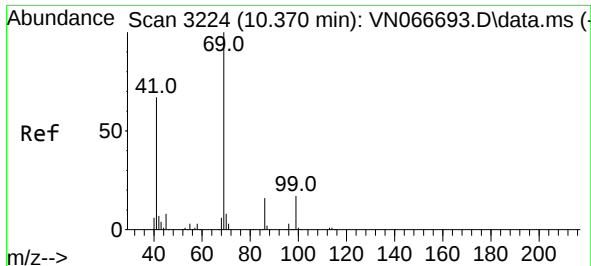
Tgt Ion: 43 Resp: 7629
Ion Ratio Lower Upper
43 100
58 40.5 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 8.72 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

Tgt Ion: 75 Resp: 52801
Ion Ratio Lower Upper
75 100
77 0.6 24.9 37.3#
39 25.8 36.2 54.4#

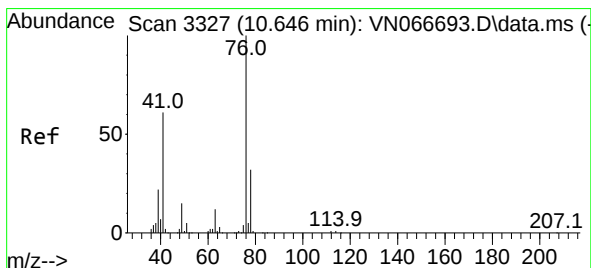
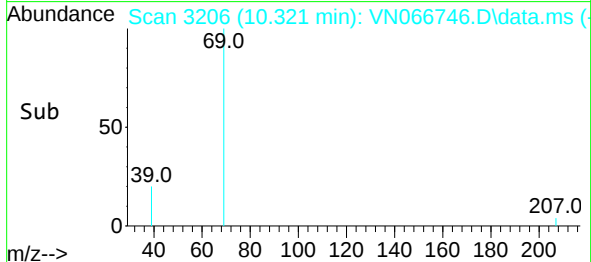
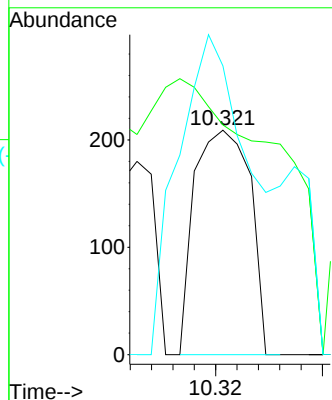
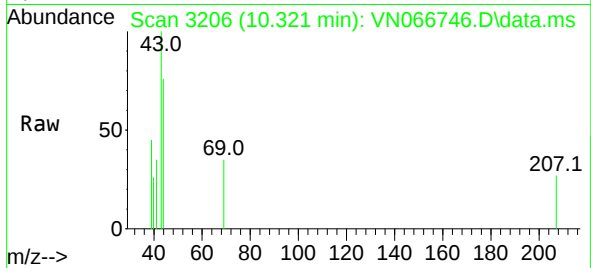




#56
Ethyl methacrylate
Concen: 3.18 ug/l
RT: 10.321 min Scan# 3206
Delta R.T. -0.049 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

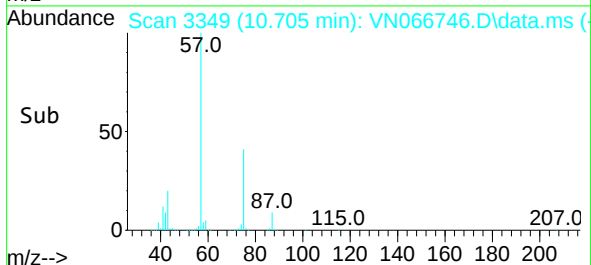
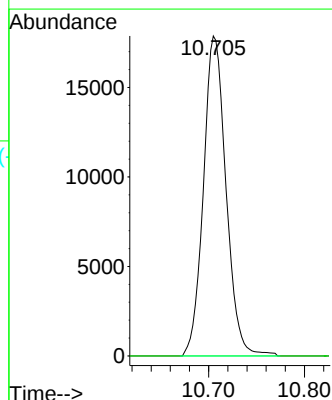
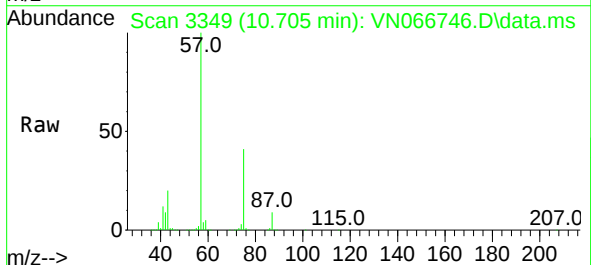
Instrument :
MSVOA_N
ClientSampled :

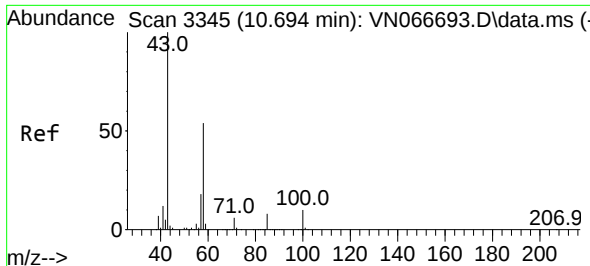
Tgt Ion: 69 Resp: 151
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 178.8 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.97 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

Tgt Ion: 76 Resp: 29337
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

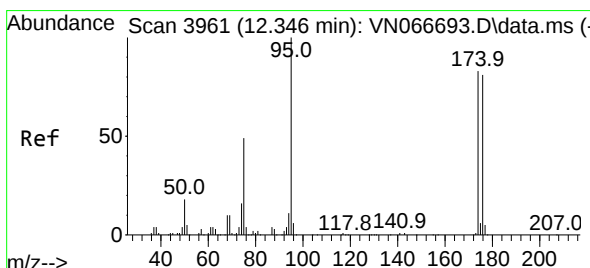
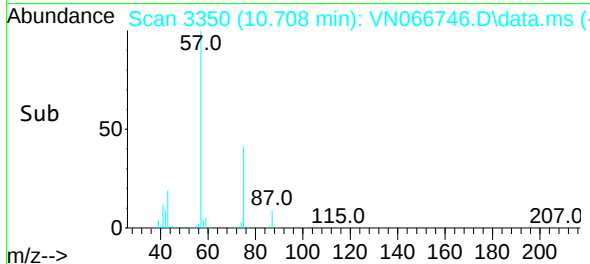
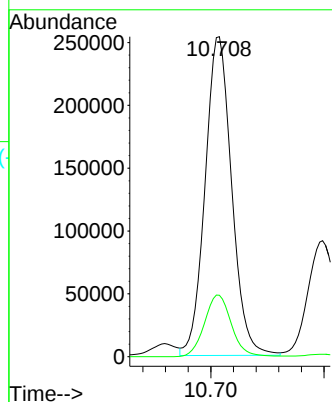
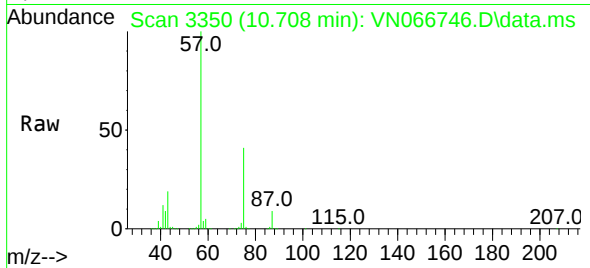




#59
2-Hexanone
Concen: 133.64 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.014 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

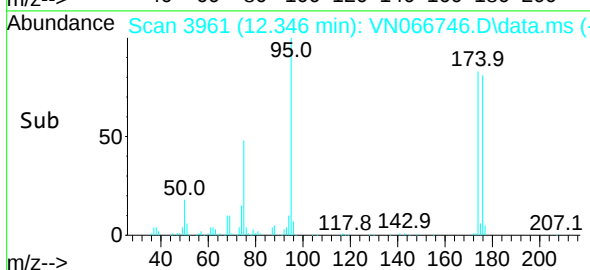
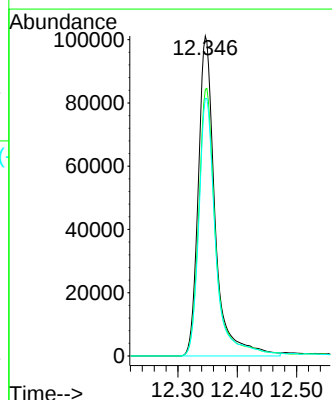
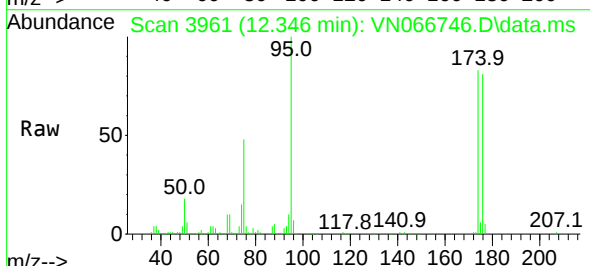
Instrument :
MSVOA_N
ClientSampleId :

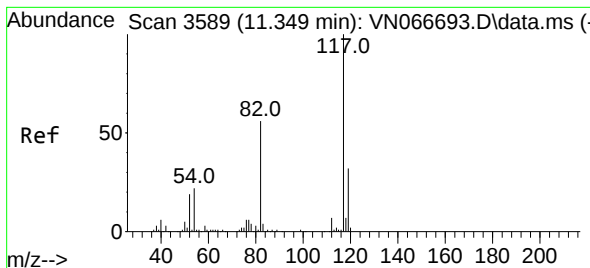
Tgt Ion: 43 Resp: 413784
Ion Ratio Lower Upper
43 100
58 19.7 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 47.16 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.000 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

Tgt Ion: 95 Resp: 198874
Ion Ratio Lower Upper
95 100
174 84.9 0.0 169.0
176 81.5 0.0 162.4

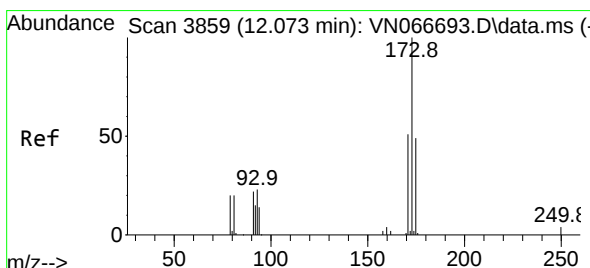
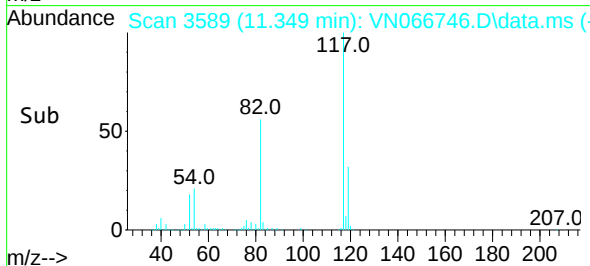
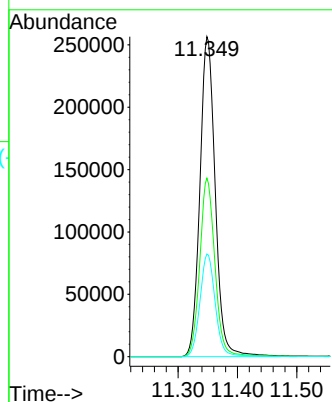
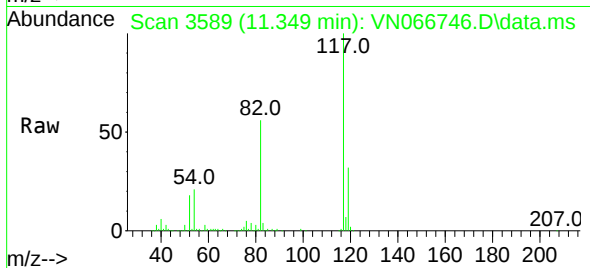




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3589
Delta R.T. -0.000 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

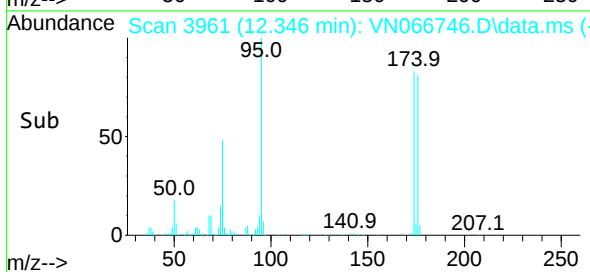
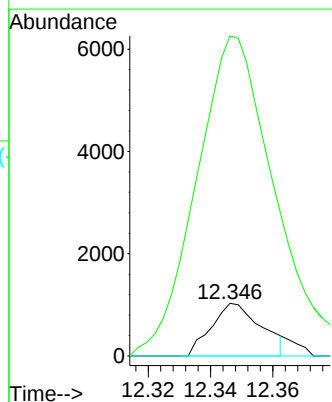
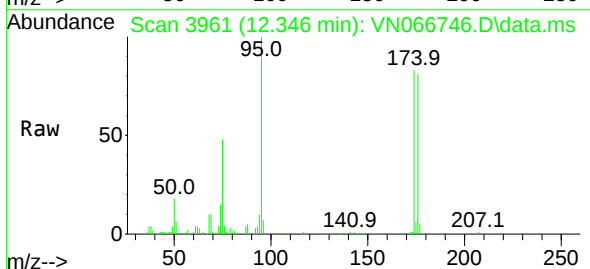
Instrument :
MSVOA_N
ClientSampleId :

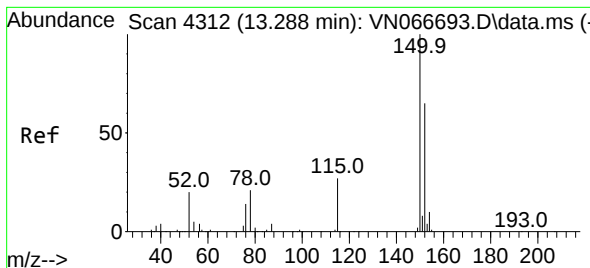
Tgt Ion:117 Resp: 462325
Ion Ratio Lower Upper
117 100
82 55.8 43.7 65.5
119 32.1 26.1 39.1



#71
Bromoform
Concen: 0.44 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.273 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

Tgt Ion:173 Resp: 1139
Ion Ratio Lower Upper
173 100
175 842.7 23.8 71.2#
254 0.0 0.0 0.0

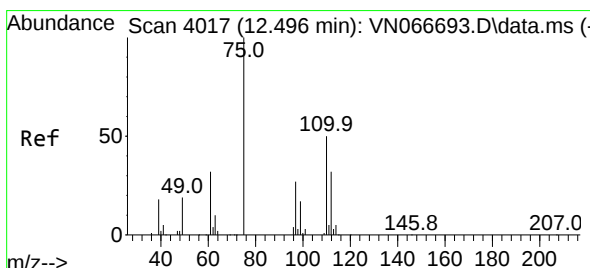
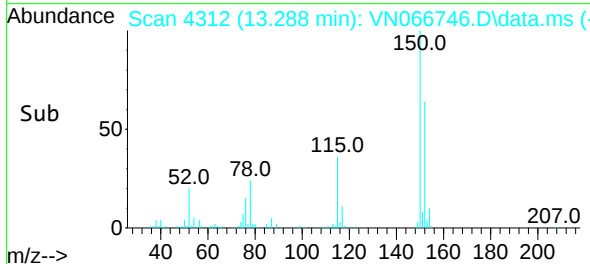
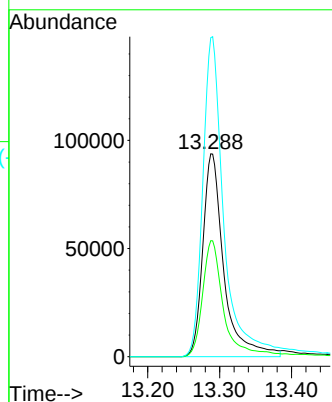
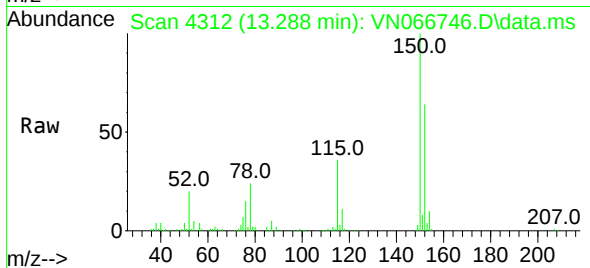




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.288 min Scan# 4312
Delta R.T. -0.000 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

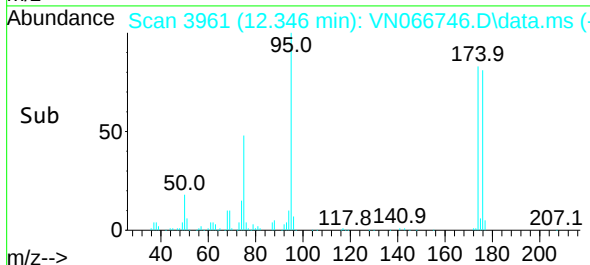
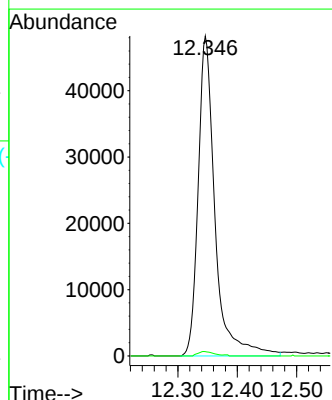
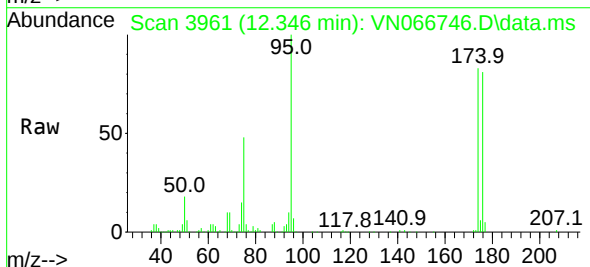
Instrument :
MSVOA_N
ClientSampleId :

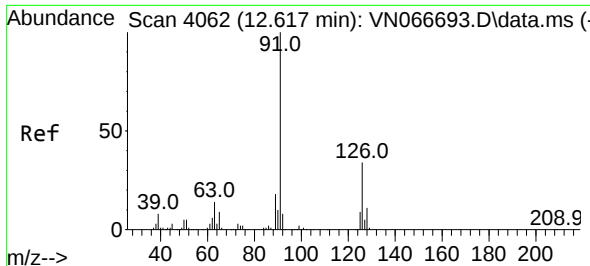
Tgt Ion:152 Resp: 191450
Ion Ratio Lower Upper
152 100
115 56.9 28.5 85.6
150 164.6 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 23.23 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

Tgt Ion: 75 Resp: 95148
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

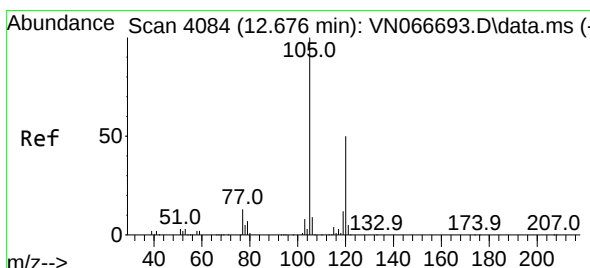
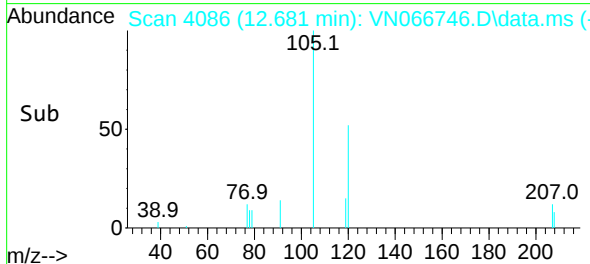
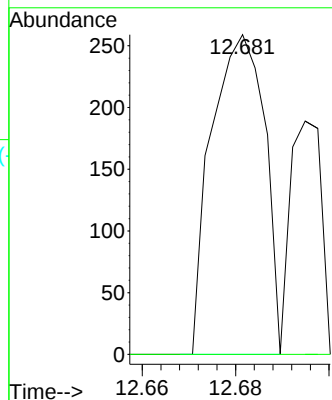
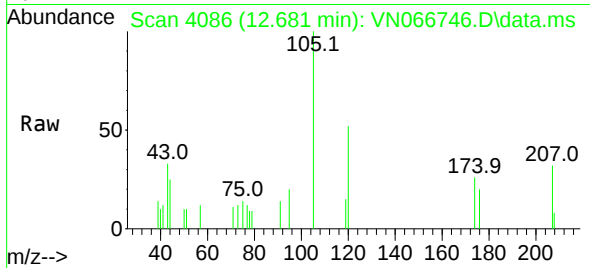




#79
2-Chlorotoluene
Concen: 0.96 ug/l
RT: 12.681 min Scan# 4086
Delta R.T. 0.064 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

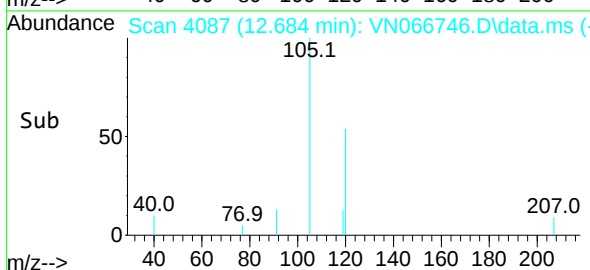
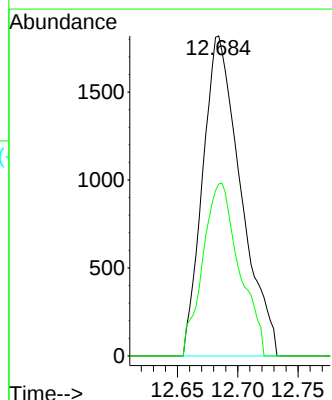
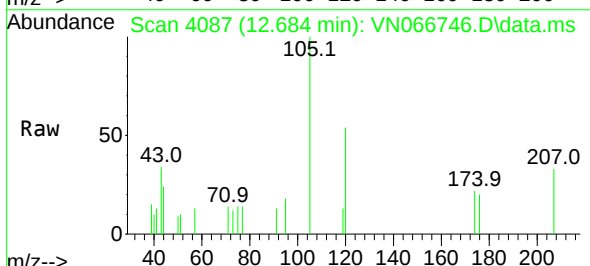
Instrument :
MSVOA_N
ClientSampled :

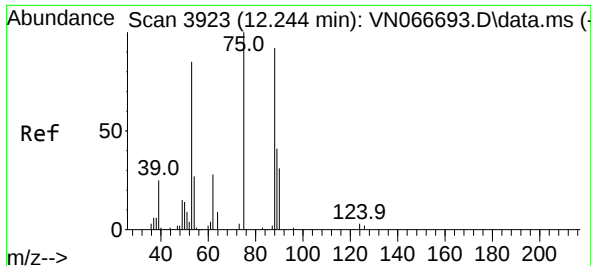
Tgt Ion: 91 Resp: 205
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.34 ug/l
RT: 12.684 min Scan# 4087
Delta R.T. 0.008 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

Tgt Ion: 105 Resp: 3986
Ion Ratio Lower Upper
105 100
120 51.7 24.3 72.8

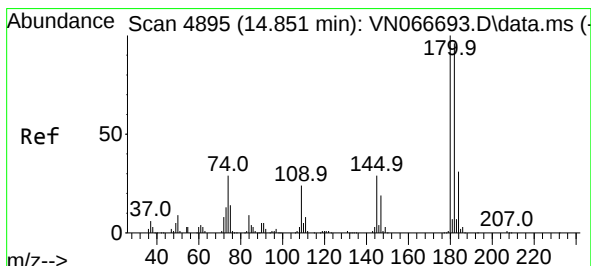
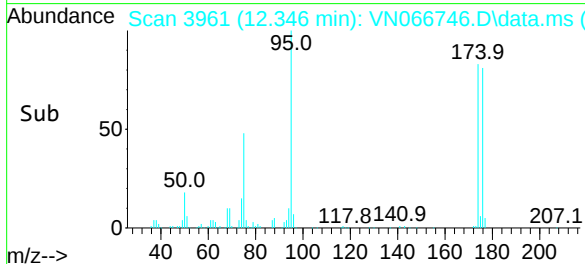
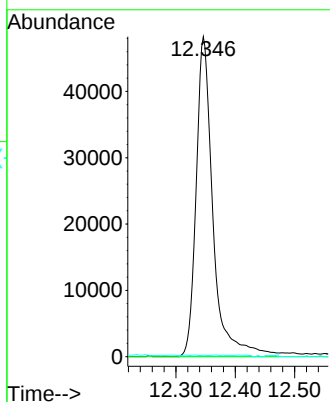
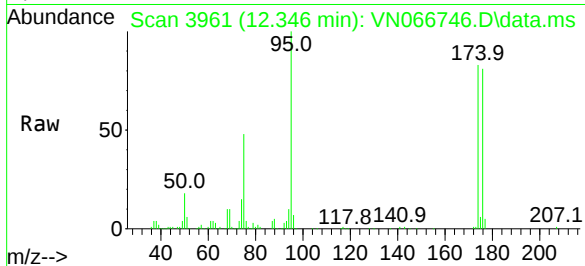




#81
trans-1,4-Dichloro-2-butene
Concen: 68.80 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

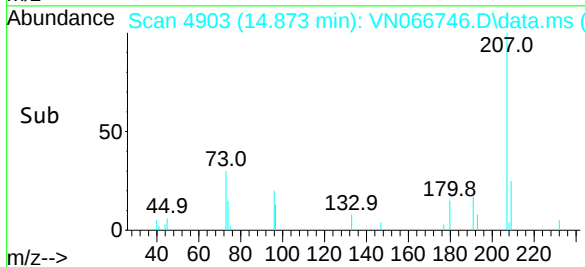
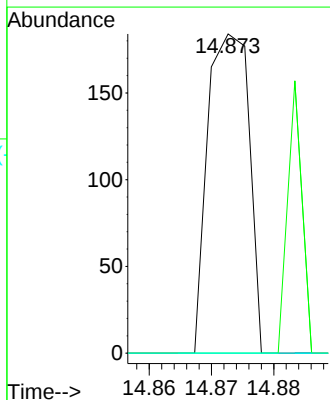
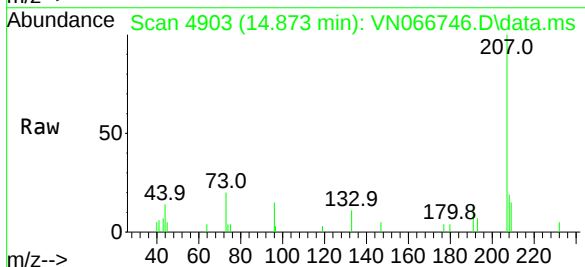
Instrument :
MSVOA_N
ClientSampleId :

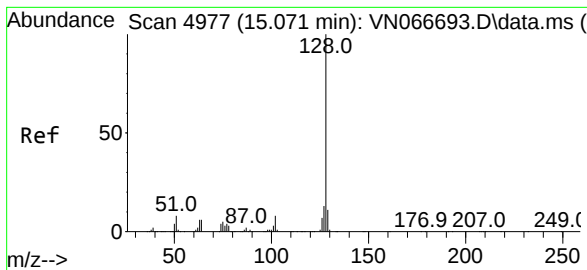
Tgt Ion: 75 Resp: 95148
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.02 ug/l
RT: 14.873 min Scan# 4903
Delta R.T. 0.022 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

Tgt Ion: 180 Resp: 85
Ion Ratio Lower Upper
180 100
182 29.4 47.3 142.0#
145 0.0 15.6 46.8#

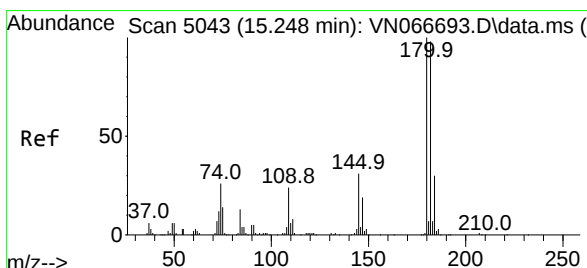
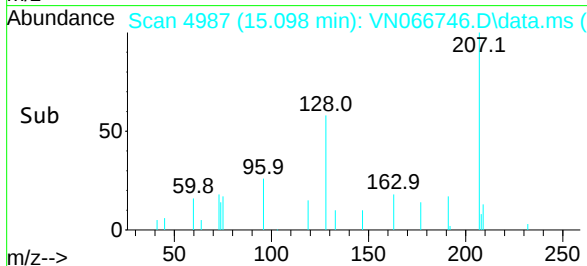
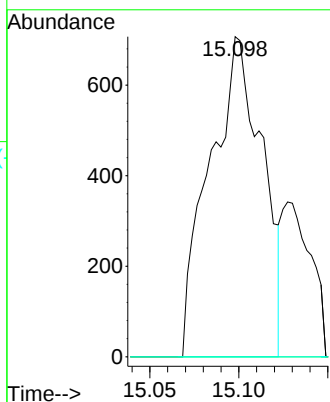
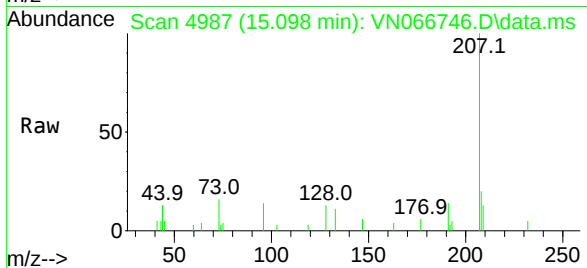




#95
Naphthalene
Concen: 2.00 ug/l
RT: 15.098 min Scan# 4987
Delta R.T. 0.027 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 1449
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: 15.254 min Scan# 5045
Delta R.T. 0.006 min
Lab File: VN066746.D
Acq: 23 Apr 2021 18:34

Tgt Ion:180 Resp: 55
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.3#
145 0.0 16.5 49.5#

