

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040821\
 Data File : VN066538.D
 Acq On : 8 Apr 2021 14:05
 Operator : JC/MD
 Sample : M1961-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 09 04:34:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 06 15:38:34 2021
 Response via : Initial Calibration

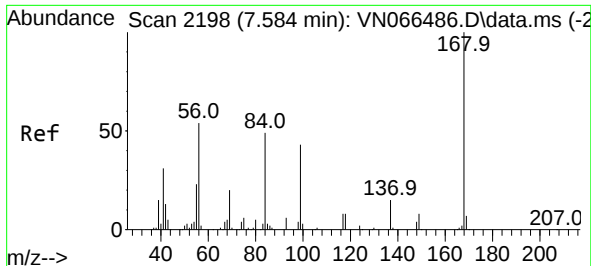
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.584	168	312992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	480252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	477705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	202050	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	206786	50.17	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	100.34%		
35) Dibromofluoromethane	7.507	113	160785	49.12	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.24%		
50) Toluene-d8	10.028	98	629987	50.66	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.32%		
62) 4-Bromofluorobenzene	12.348	95	192964	47.85	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.70%		
Target Compounds						Qvalue
3) Chloromethane	2.017	50	1097	0.24	ug/l	98
11) Tert butyl alcohol	4.685	59	306	0.46	ug/l #	85
13) Acrolein	3.524	56	559	5.19	ug/l #	64
16) Acetone	3.738	43	25005	14.47	ug/l	98
18) Methyl Acetate	4.243	43	2430	0.56	ug/l #	69
20) Methylene Chloride	4.460	84	19659	5.30	ug/l	98
25) 2-Butanone	6.742	43	11610	4.48	ug/l	100
29) Tetrahydrofuran	7.131	42	920	0.53	ug/l #	49
31) Cyclohexane	7.582	56	6454	1.14	ug/l #	1
36) 1,1-Dichloropropene	7.587	75	23864	5.11	ug/l #	43
37) Ethyl Acetate	6.742	43	11610	2.01	ug/l #	69
38) Carbon Tetrachloride	7.584	117	28209	5.96	ug/l #	17
43) Isopropyl Acetate	8.089	43	28526	3.19	ug/l	98
45) 1,2-Dichloropropane	9.204	63	1874	0.48	ug/l #	43
48) Methyl methacrylate	9.116	41	7485	1.89	ug/l #	12
51) 4-Methyl-2-Pentanone	9.920	43	6388	1.20	ug/l	98
54) cis-1,3-Dichloropropene	9.843	75	43438	7.29	ug/l #	60
56) Ethyl methacrylate	10.301	69	391	3.78	ug/l #	22
57) 1,3-Dichloropropane	10.703	76	25909	4.32	ug/l #	42
59) 2-Hexanone	10.706	43	369238	97.40	ug/l #	53
71) Bromoform	12.342	173	898	0.29	ug/l #	29
74) N-amyl acetate	12.023	43	211	12.76	ug/l #	43
76) 1,2,3-Trichloropropane	12.345	75	100782	22.11	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	100782	61.52	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.244	75	176	0.50	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.987	180	116	2.27	ug/l #	12
95) Naphthalene	15.282	128	2450	2.17	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.493	180	237	1.67	ug/l #	64

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

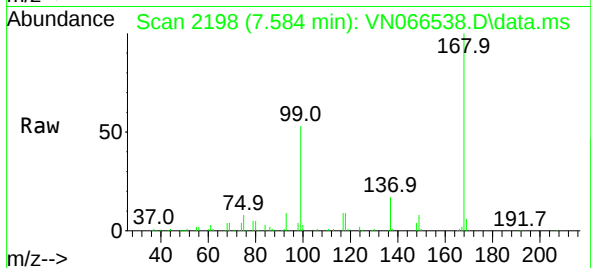
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 06 15:38:34 2021
Response via : Initial Calibration



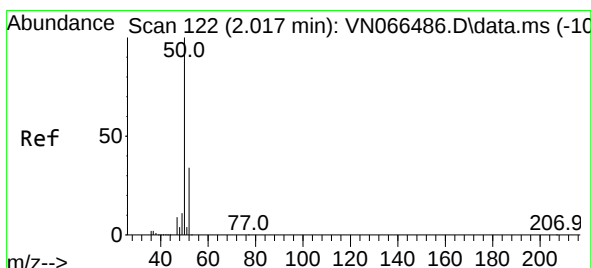
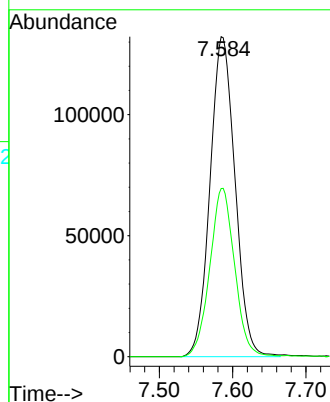
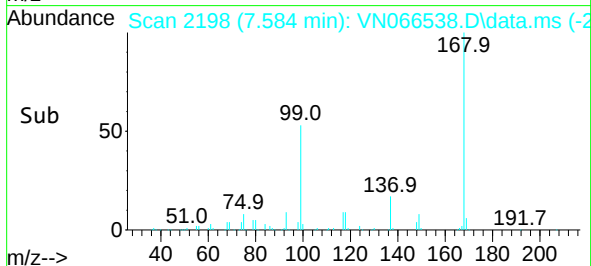


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. 0.000 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

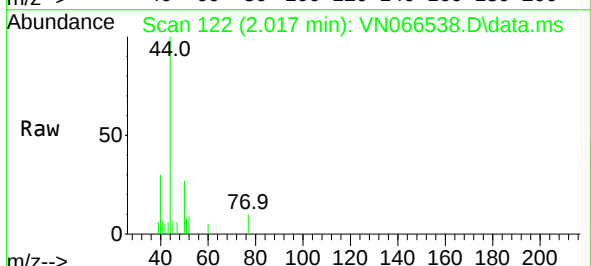
Instrument :
MSVOA_N
ClientSampled :



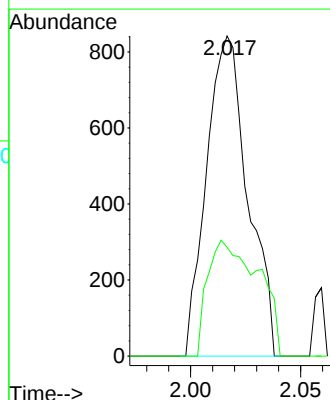
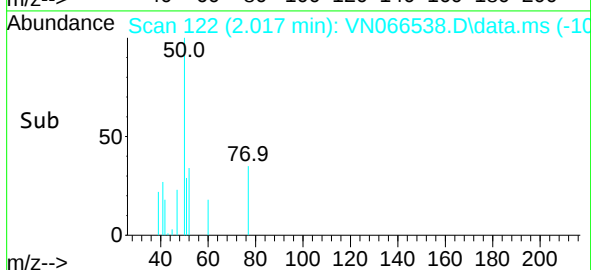
Tgt Ion:168 Resp: 312992
Ion Ratio Lower Upper
168 100
99 52.6 41.1 61.7

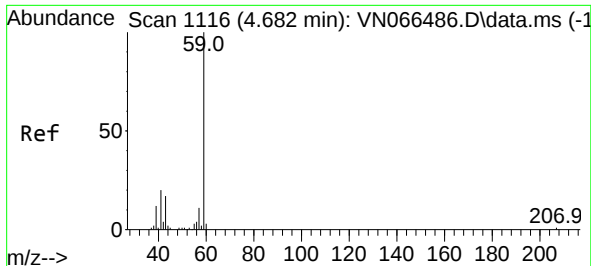


#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05



Tgt Ion: 50 Resp: 1097
Ion Ratio Lower Upper
50 100
52 34.0 26.2 39.2

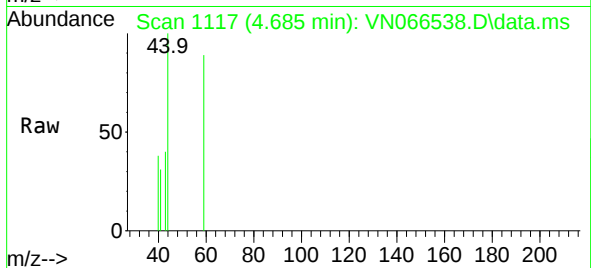




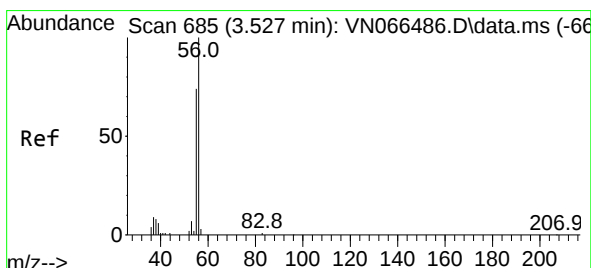
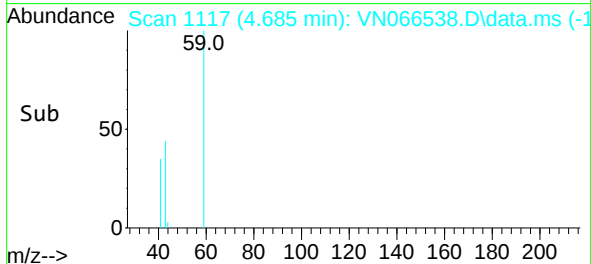
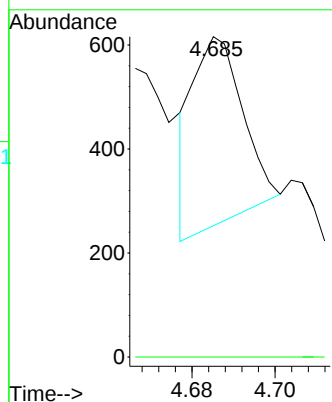
#11

Tert butyl alcohol
Concen: 0.46 ug/l
RT: 4.685 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

Instrument :
MSVOA_N
ClientSampled :

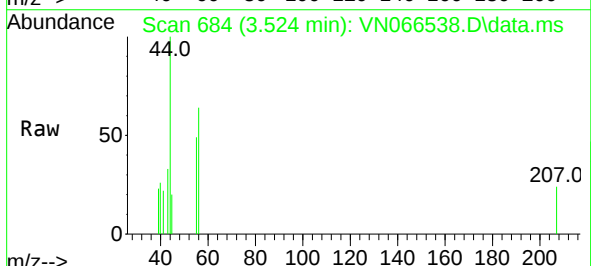


Tgt Ion: 59 Resp: 306
Ion Ratio Lower Upper
59 100
57 0.0 4.1 6.1#

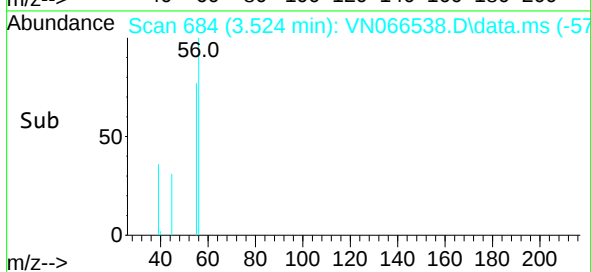
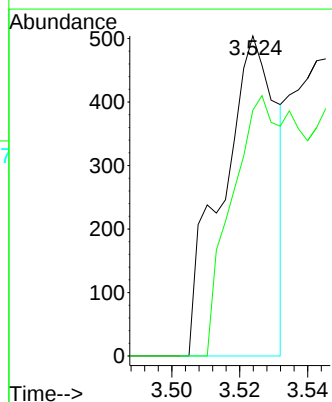


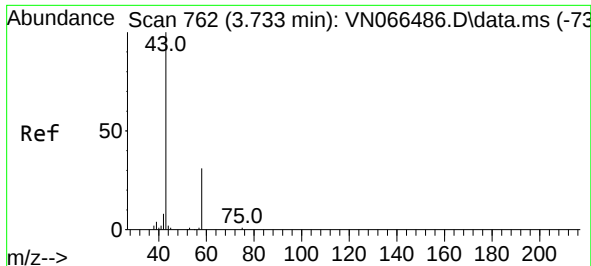
#13

Acrolein
Concen: 5.19 ug/l
RT: 3.524 min Scan# 684
Delta R.T. -0.003 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05



Tgt Ion: 56 Resp: 559
Ion Ratio Lower Upper
56 100
55 102.7 57.9 86.9#

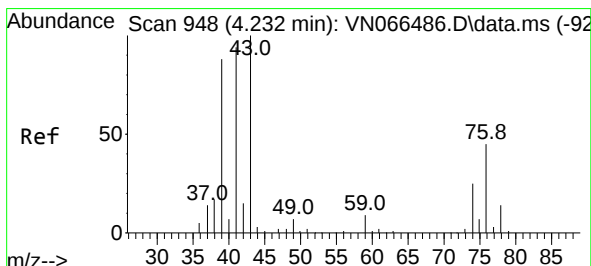
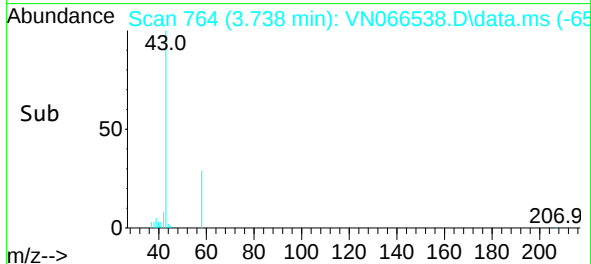
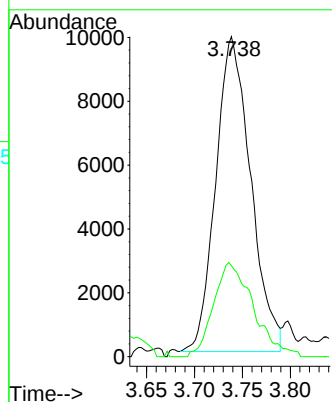
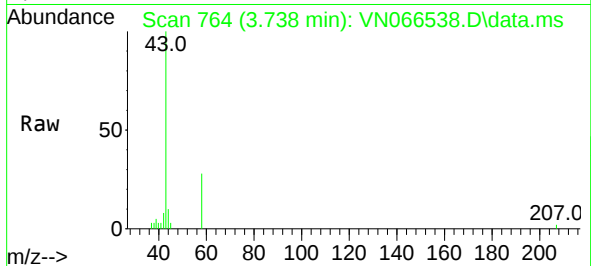




#16
Acetone
Concen: 14.47 ug/l
RT: 3.738 min Scan# 764
Delta R.T. 0.005 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

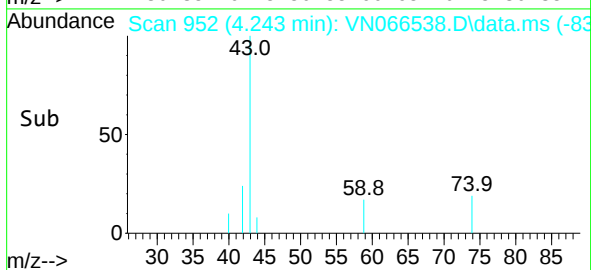
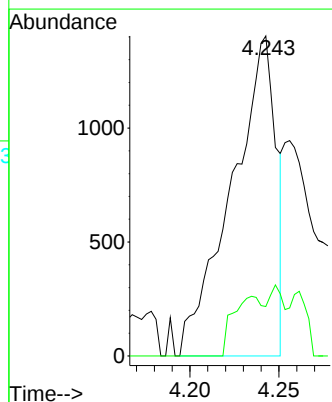
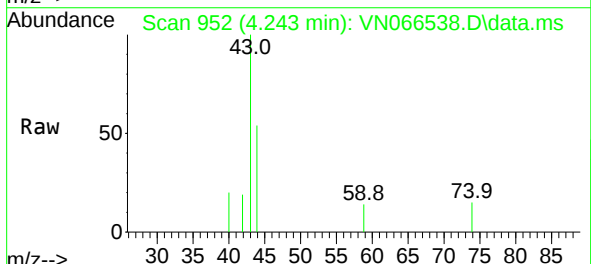
Instrument :
MSVOA_N
ClientSampled :

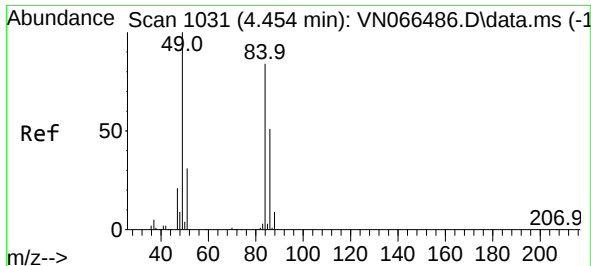
Tgt Ion: 43 Resp: 25005
Ion Ratio Lower Upper
43 100
58 28.9 23.8 35.8



#18
Methyl Acetate
Concen: 0.56 ug/l
RT: 4.243 min Scan# 952
Delta R.T. 0.011 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

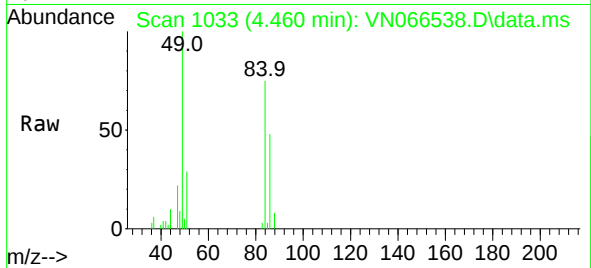
Tgt Ion: 43 Resp: 2430
Ion Ratio Lower Upper
43 100
74 7.0 17.6 26.4#



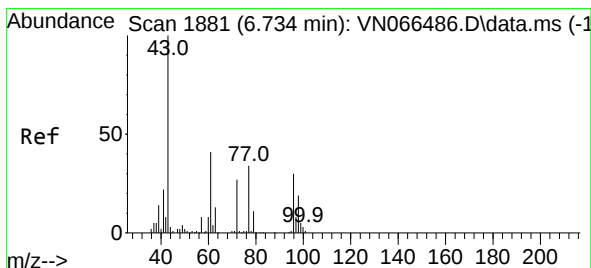
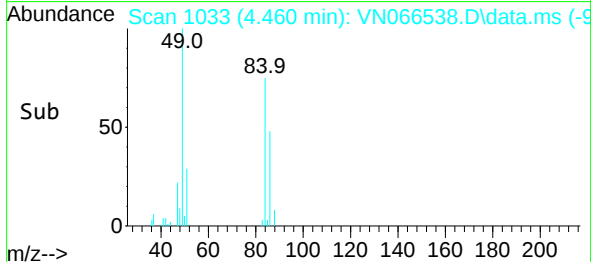
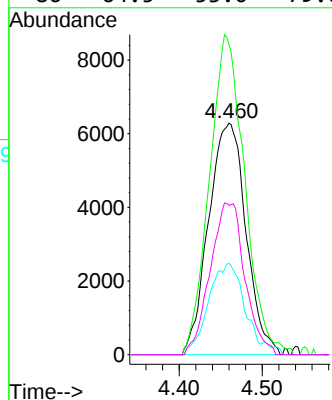


#20
Methylene Chloride
Concen: 5.30 ug/l
RT: 4.460 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

Instrument :
MSVOA_N
ClientSampled :

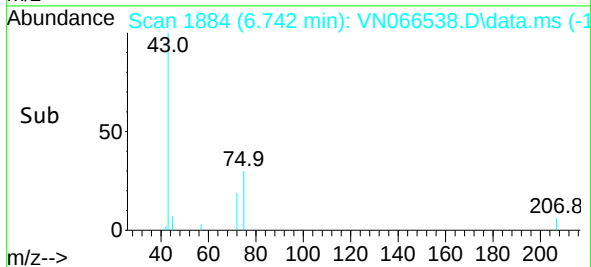
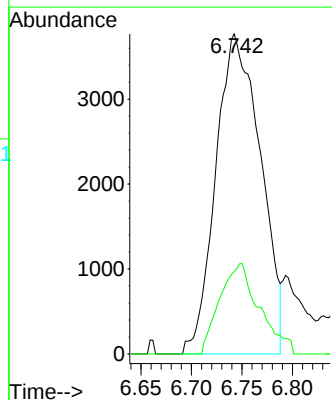
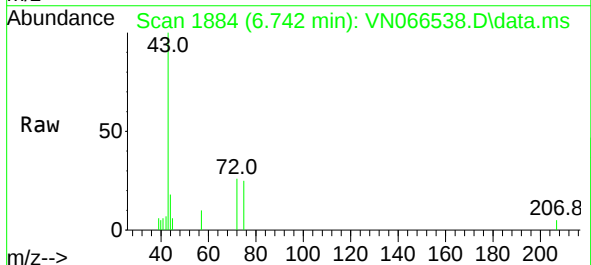


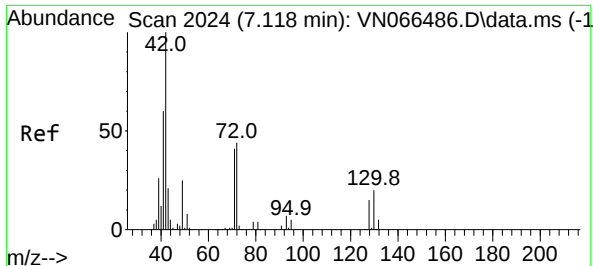
Tgt Ion:	84	Resp:	19659
Ion	Ratio	Lower	Upper
84	100		
49	133.9	105.0	157.6
51	39.4	31.6	47.4
86	64.5	53.0	79.6



#25
2-Butanone
Concen: 4.48 ug/l
RT: 6.742 min Scan# 1884
Delta R.T. 0.008 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

Tgt Ion:	43	Resp:	11610
Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.7	31.1





#29

Tetrahydrofuran

Concen: 0.53 ug/l

RT: 7.131 min Scan# 2029

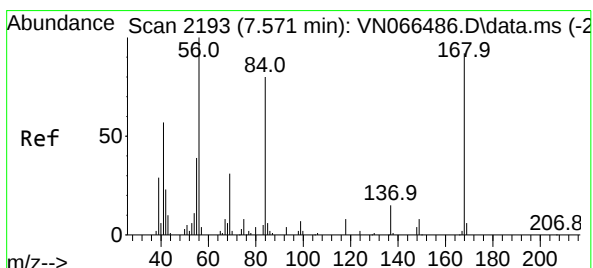
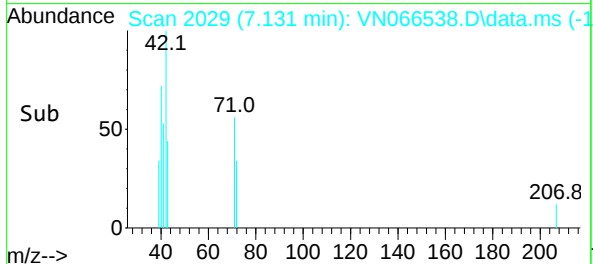
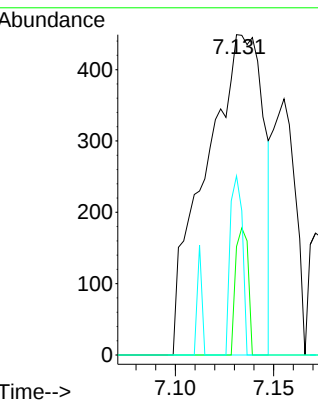
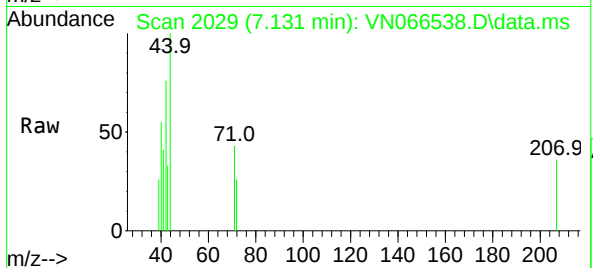
Delta R.T. 0.013 min

Lab File: VN066538.D

Acq: 8 Apr 2021 14:05

Tgt Ion:	42	Resp:	920
Ion	Ratio	Lower	Upper
42	100		
72	8.6	35.2	52.8#
71	11.7	33.1	49.7#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.14 ug/l

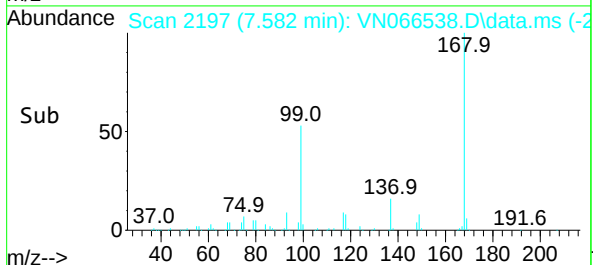
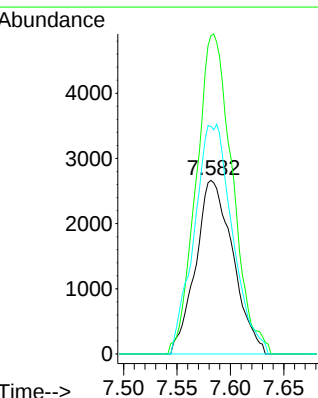
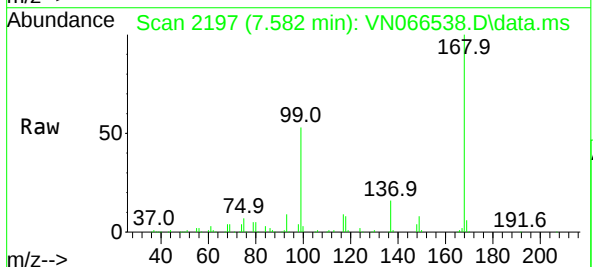
RT: 7.582 min Scan# 2197

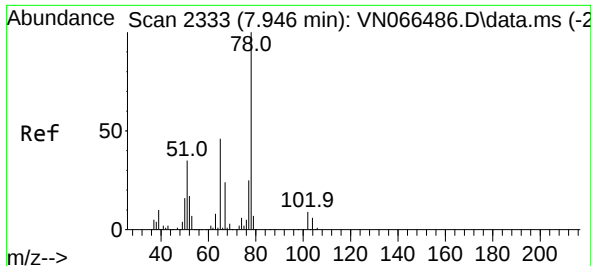
Delta R.T. 0.011 min

Lab File: VN066538.D

Acq: 8 Apr 2021 14:05

Tgt Ion:	56	Resp:	6454
Ion	Ratio	Lower	Upper
56	100		
69	183.2	26.6	40.0#
84	131.0	68.7	103.1#

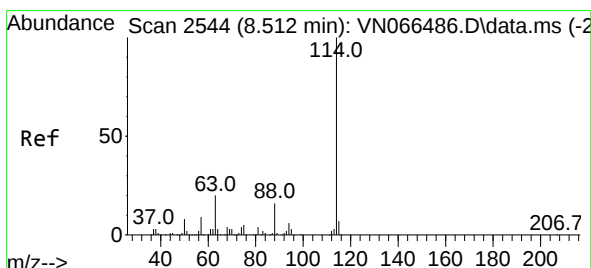
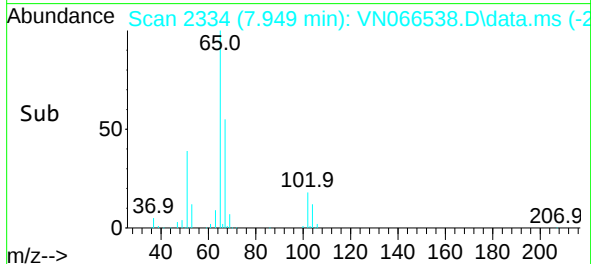
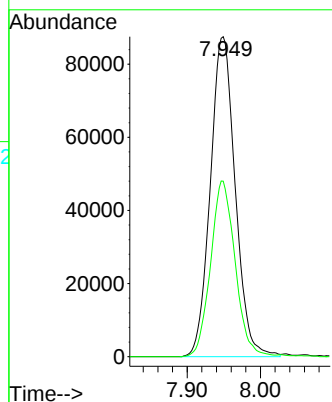
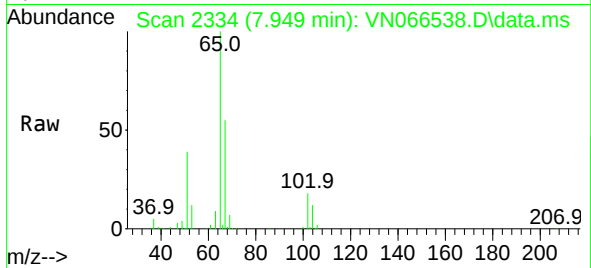




#33
1,2-Dichloroethane-d4
Concen: 50.17 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. 0.003 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

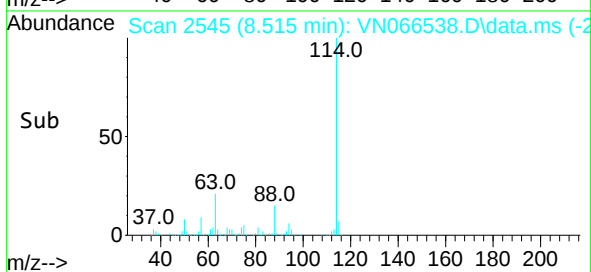
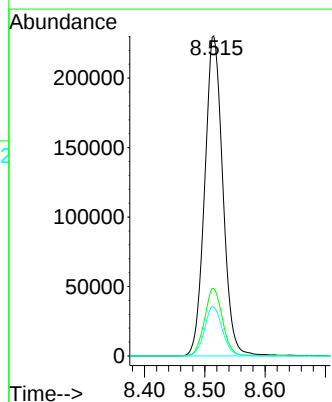
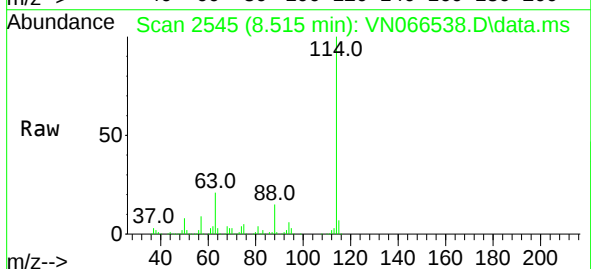
Instrument :
MSVOA_N
ClientSampled :

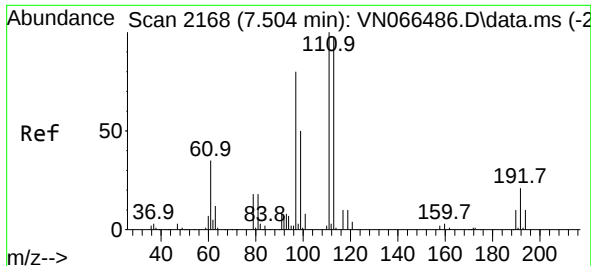
Tgt Ion: 65 Resp: 206786
Ion Ratio Lower Upper
65 100
67 54.0 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.003 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

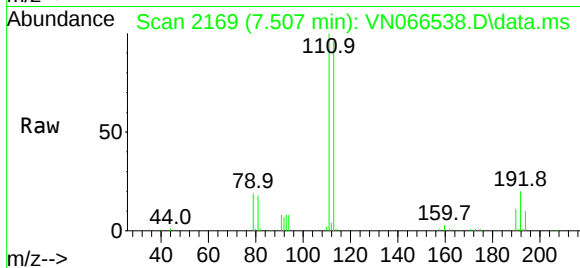
Tgt Ion: 114 Resp: 480252
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.0
88 15.3 0.0 31.0



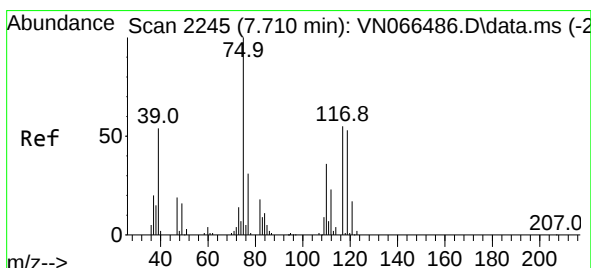
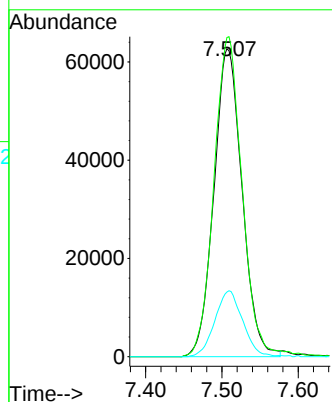
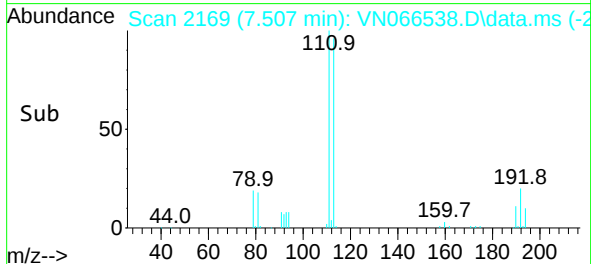


#35
Dibromofluoromethane
Concen: 49.12 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. 0.003 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

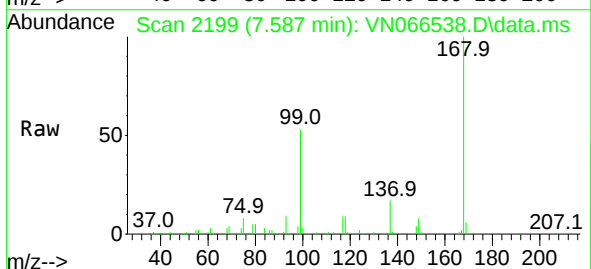
Instrument :
MSVOA_N
ClientSampled :



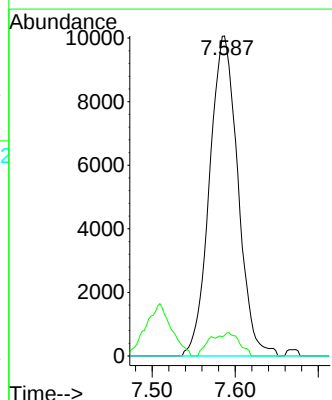
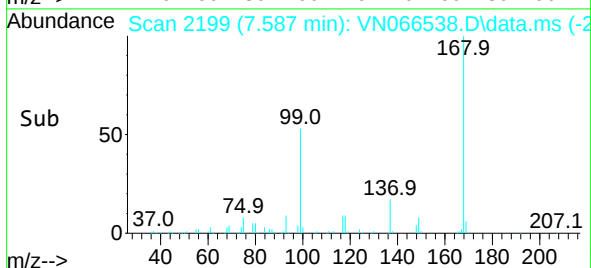
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Ion Ratio Lower Upper
113 100
111 103.8 81.8 122.8
192 21.1 17.1 25.7

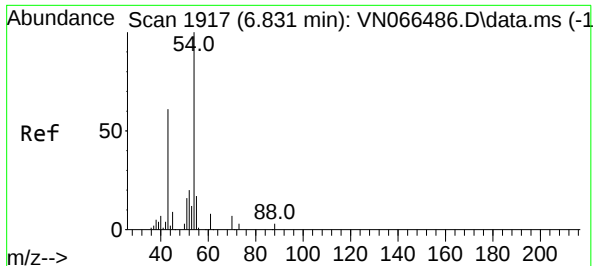


#36
1,1-Dichloropropene
Concen: 5.11 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.123 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05



Tgt Ion: 75 Resp: 23864
Ion Ratio Lower Upper
75 100
110 2.3 18.1 54.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 2.01 ug/l

RT: 6.742 min Scan# 1884

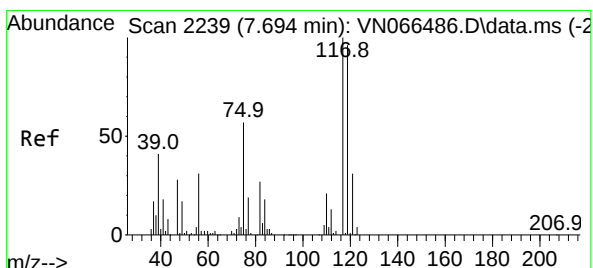
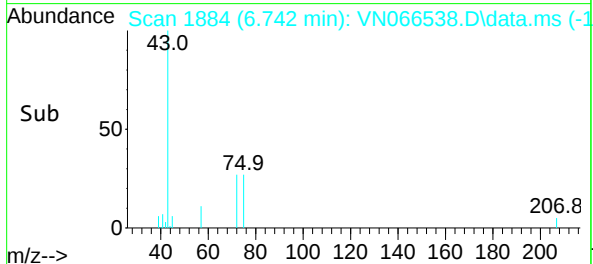
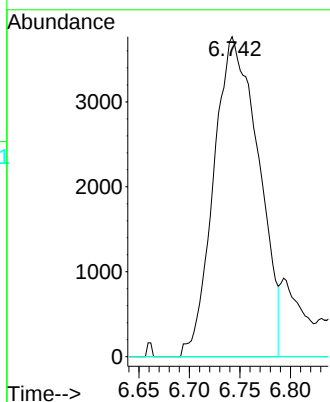
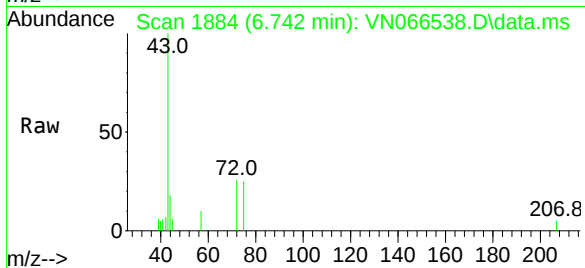
Delta R.T. -0.089 min

Lab File: VN066538.D

Acq: 8 Apr 2021 14:05

Tgt Ion:	43	Resp:	11610
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.1	16.7#
70	0.0	8.0	12.0#

Instrument :
MSVOA_N
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.96 ug/l

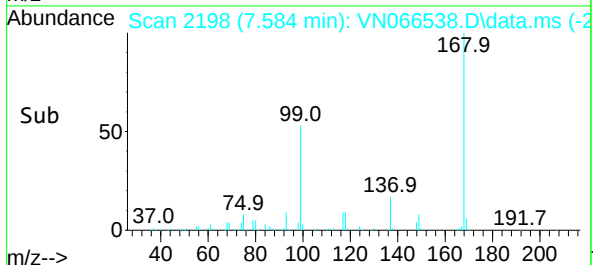
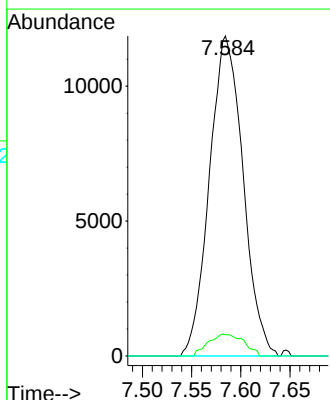
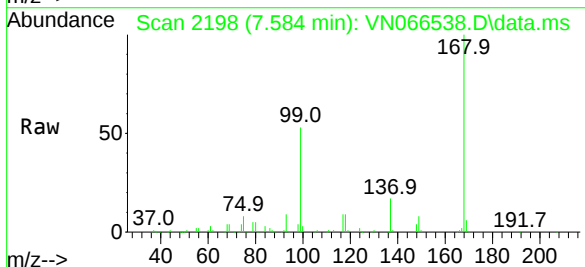
RT: 7.584 min Scan# 2198

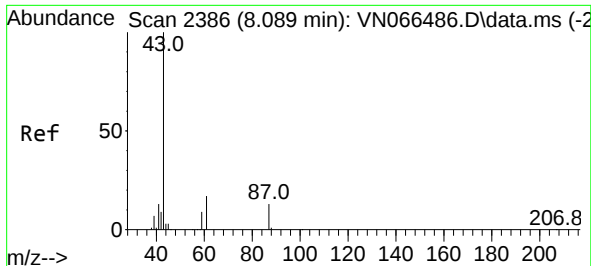
Delta R.T. -0.110 min

Lab File: VN066538.D

Acq: 8 Apr 2021 14:05

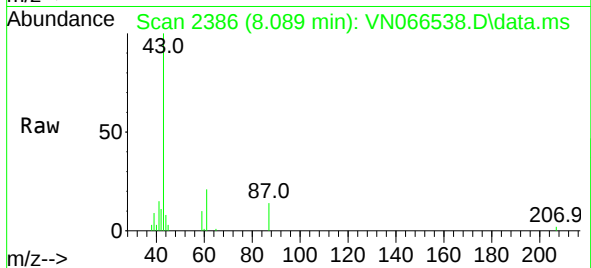
Tgt Ion:	117	Resp:	28209
Ion	Ratio	Lower	Upper
117	100		
119	6.6	77.2	115.8#
121	0.0	24.2	36.4#



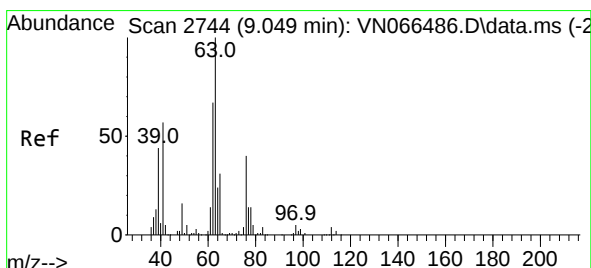
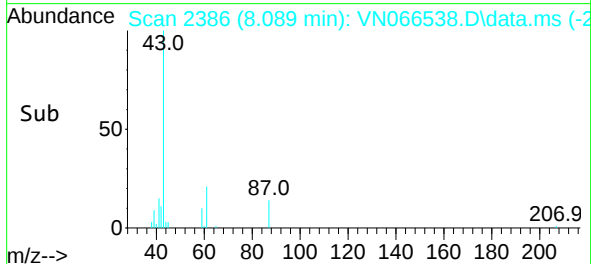
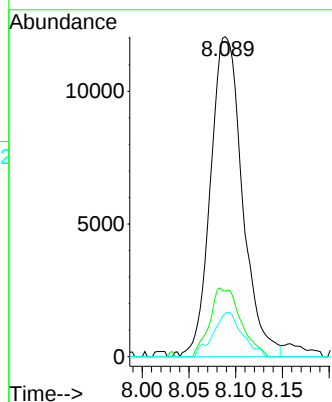


#43
Isopropyl Acetate
Concen: 3.19 ug/l
RT: 8.089 min Scan# 2386
Delta R.T. -0.000 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

Instrument :
MSVOA_N
ClientSampleId :

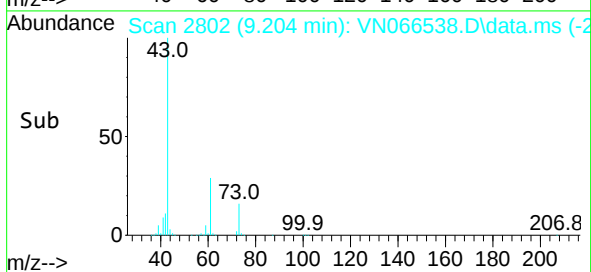
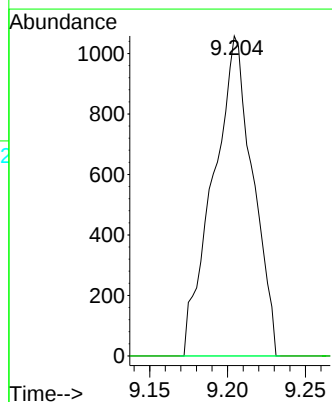
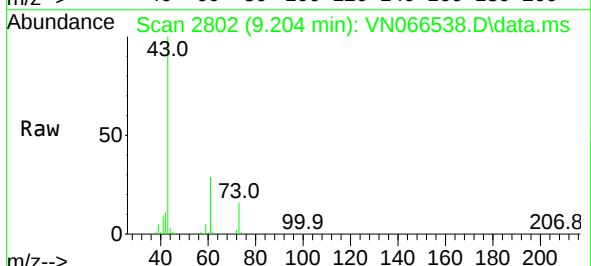


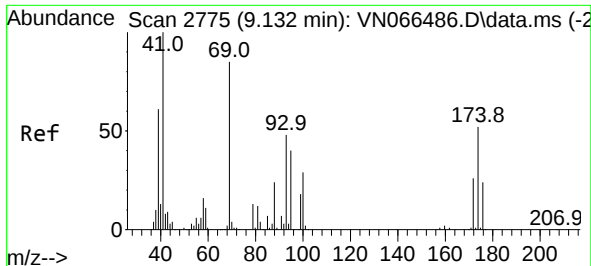
Tgt Ion: 43 Resp: 28526
Ion Ratio Lower Upper
43 100
61 21.0 15.5 23.3
87 12.7 10.5 15.7



#45
1,2-Dichloropropane
Concen: 0.48 ug/l
RT: 9.204 min Scan# 2802
Delta R.T. 0.155 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

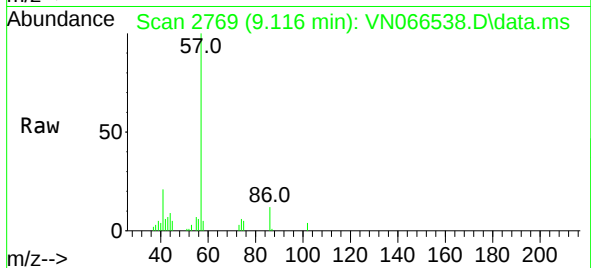
Tgt Ion: 63 Resp: 1874
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#



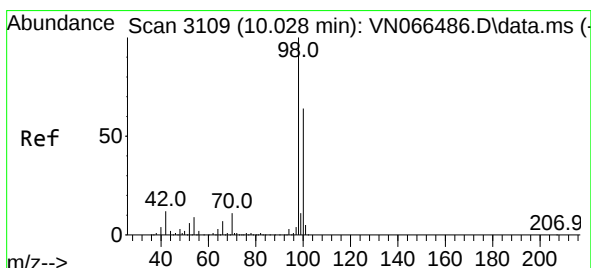
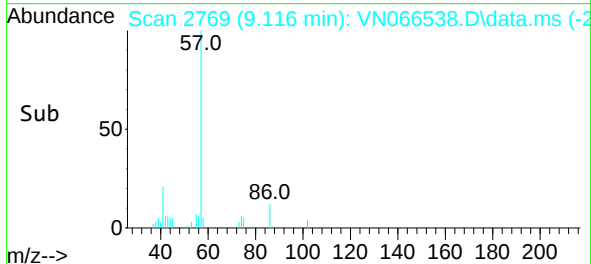
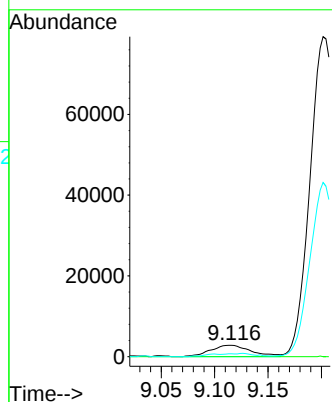


#48
Methyl methacrylate
Concen: 1.89 ug/l
RT: 9.116 min Scan# 2769
Delta R.T. -0.016 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

Instrument :
MSVOA_N
ClientSampled :

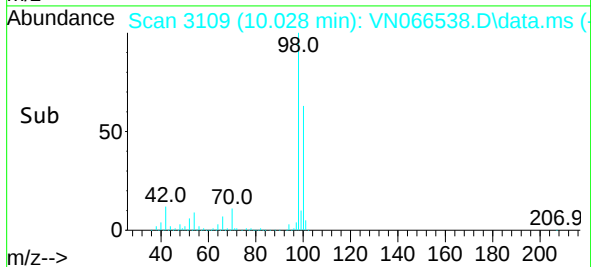
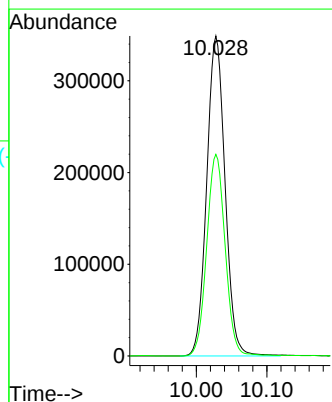
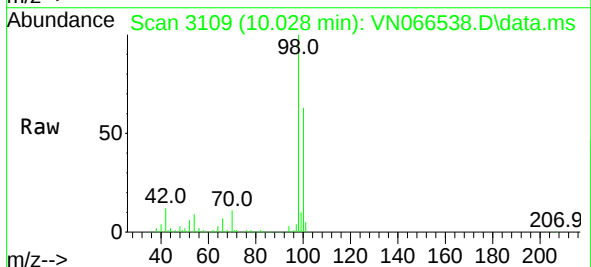


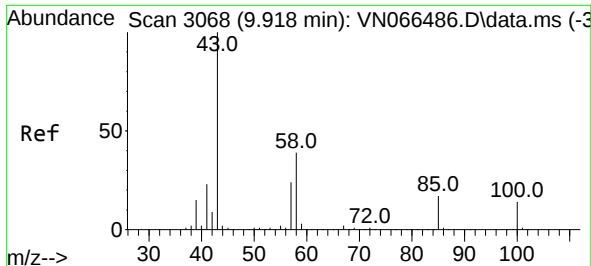
Tgt Ion: 41 Resp: 7485
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



#50
Toluene-d8
Concen: 50.66 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

Tgt Ion: 98 Resp: 629987
Ion Ratio Lower Upper
98 100
100 63.2 50.5 75.7

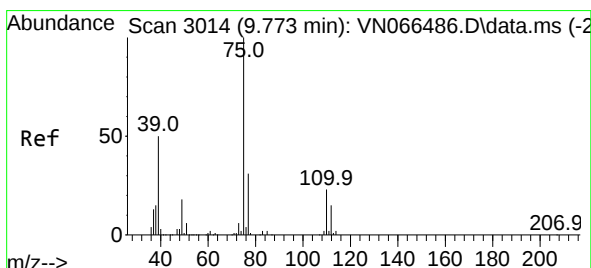
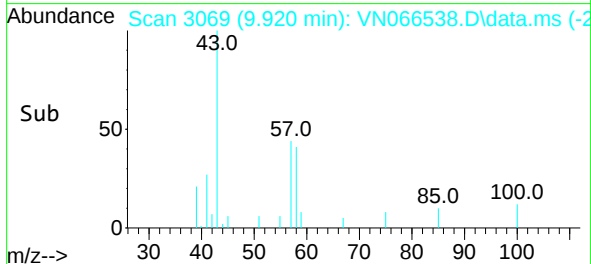
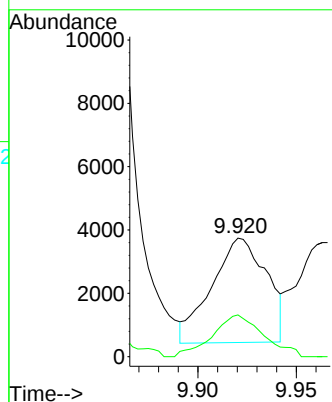
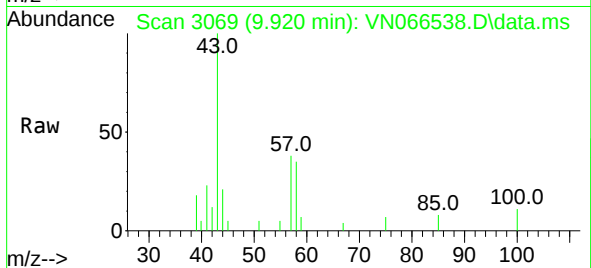




#51
4-Methyl-2-Pentanone
Concen: 1.20 ug/l
RT: 9.920 min Scan# 3069
Delta R.T. 0.002 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

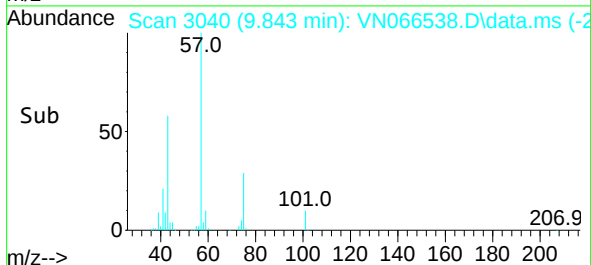
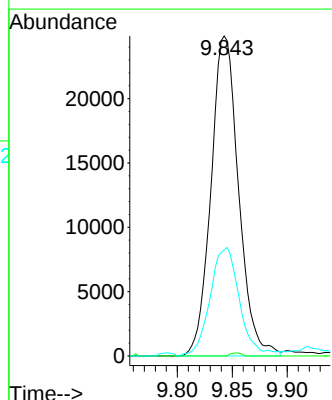
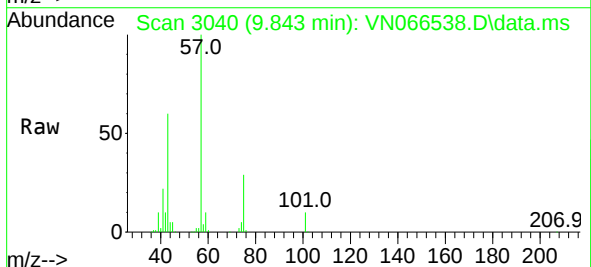
Instrument :
MSVOA_N
ClientSampled :

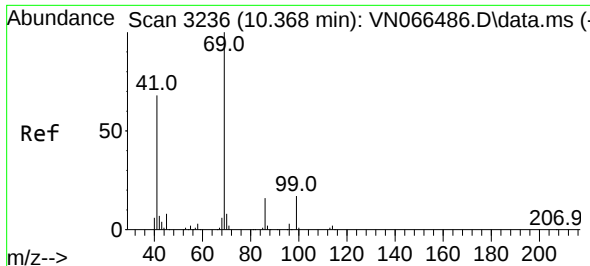
Tgt Ion: 43 Resp: 6388
Ion Ratio Lower Upper
43 100
58 37.0 30.8 46.2



#54
cis-1,3-Dichloropropene
Concen: 7.29 ug/l
RT: 9.843 min Scan# 3040
Delta R.T. 0.070 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

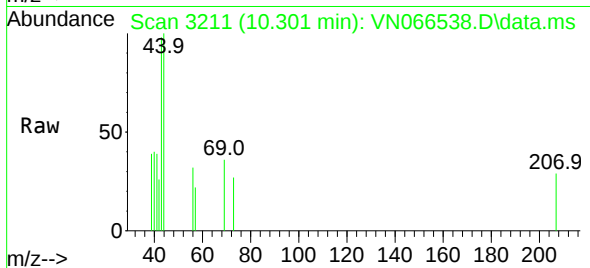
Tgt Ion: 75 Resp: 43438
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
39 33.2 44.2 66.4#



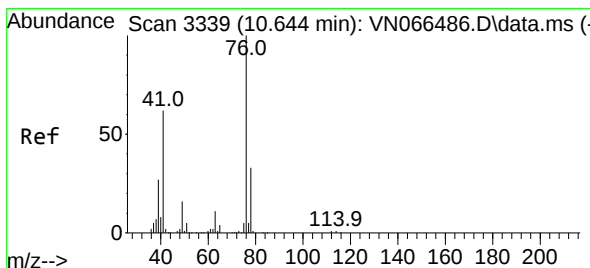
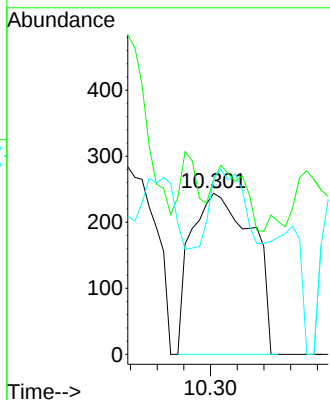
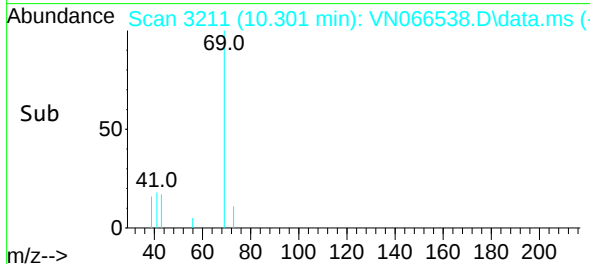


#56
Ethyl methacrylate
Concen: 3.78 ug/l
RT: 10.301 min Scan# 3211
Delta R.T. -0.067 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

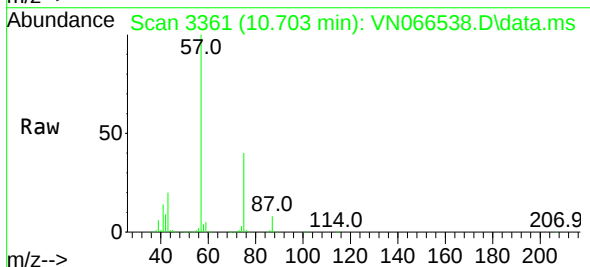
Instrument :
MSVOA_N
ClientSampleId :



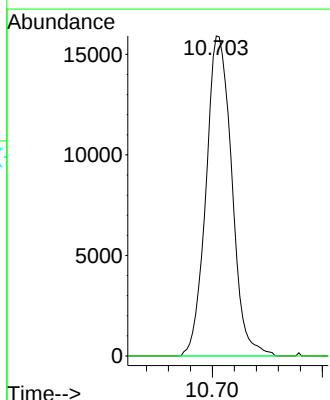
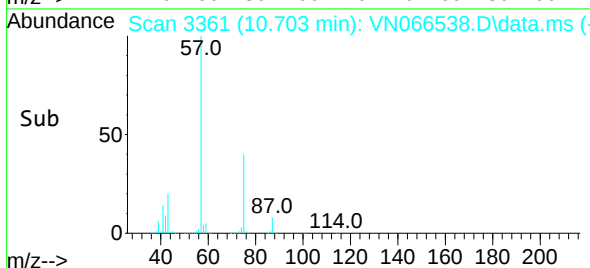
Tgt Ion: 69 Resp: 391
Ion Ratio Lower Upper
69 100
41 0.0 55.3 82.9#
39 0.0 33.8 50.6#

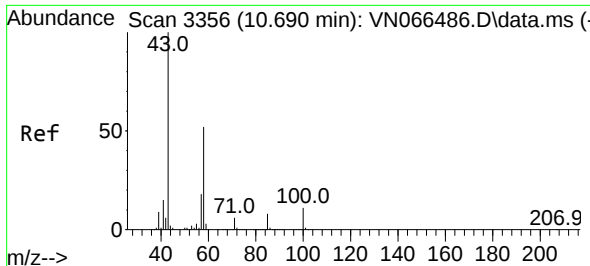


#57
1,3-Dichloropropane
Concen: 4.32 ug/l
RT: 10.703 min Scan# 3361
Delta R.T. 0.059 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05



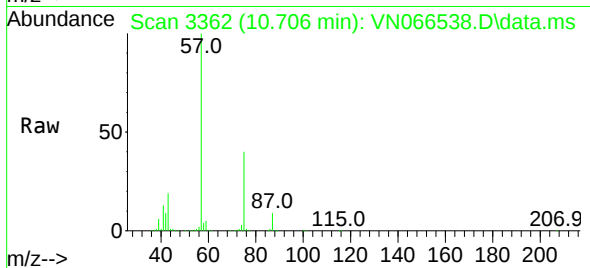
Tgt Ion: 76 Resp: 25909
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#



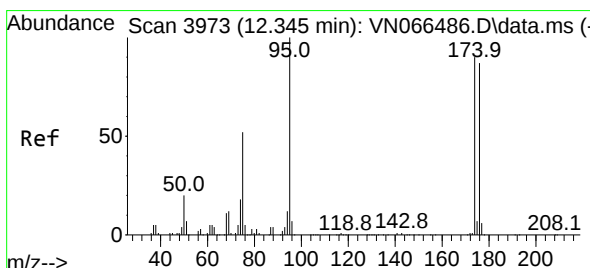
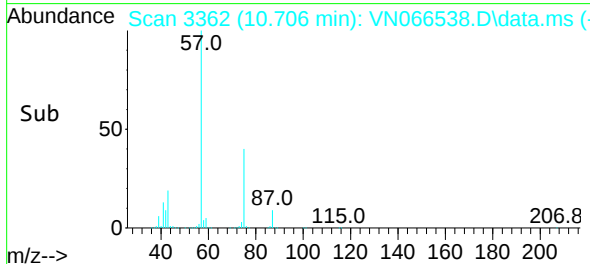
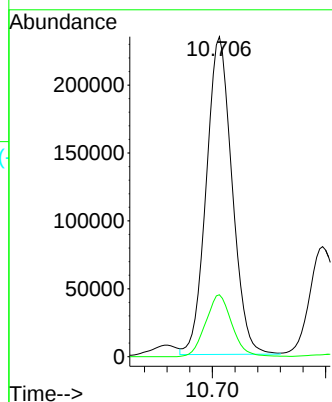


#59
2-Hexanone
Concen: 97.40 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.016 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

Instrument :
MSVOA_N
ClientSampled :

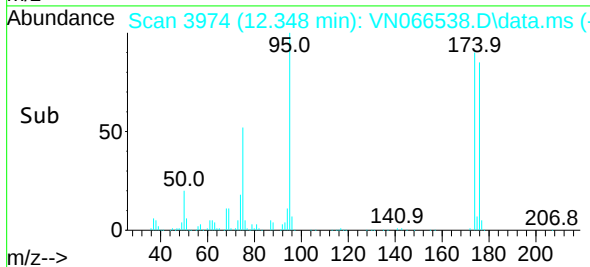
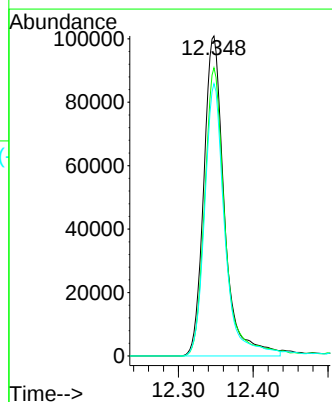
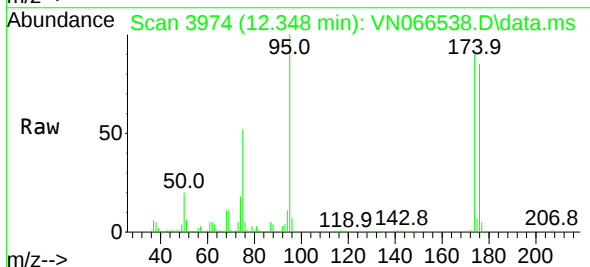


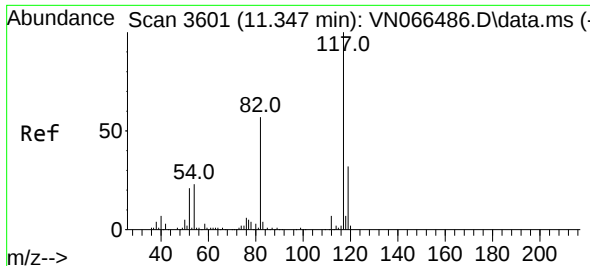
Tgt Ion: 43 Resp: 369238
Ion Ratio Lower Upper
43 100
58 20.0 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 47.85 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

Tgt Ion: 95 Resp: 192964
Ion Ratio Lower Upper
95 100
174 89.9 0.0 172.2
176 84.3 0.0 167.8

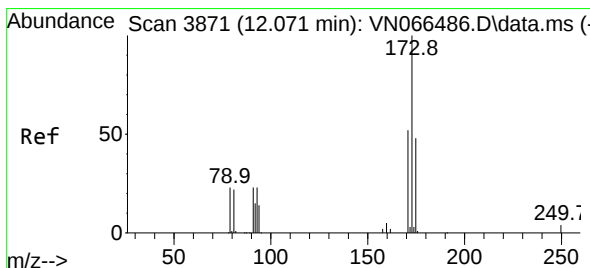
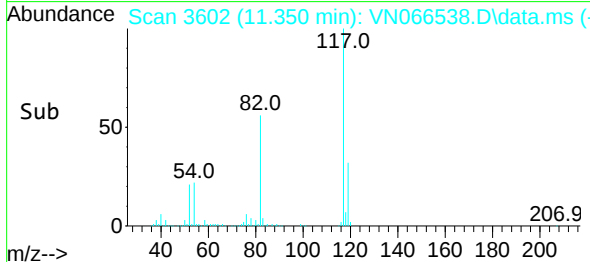
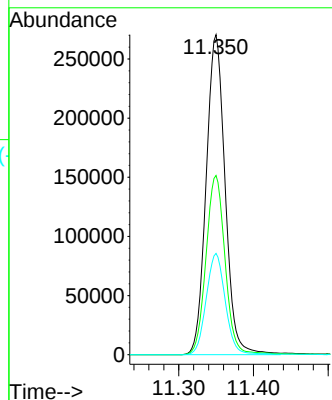
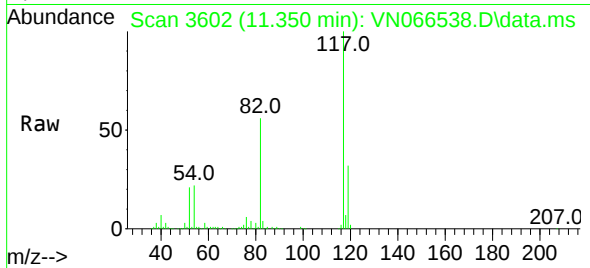




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

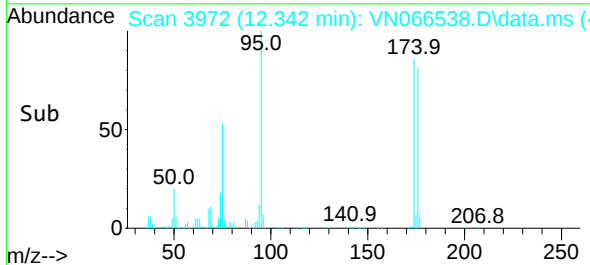
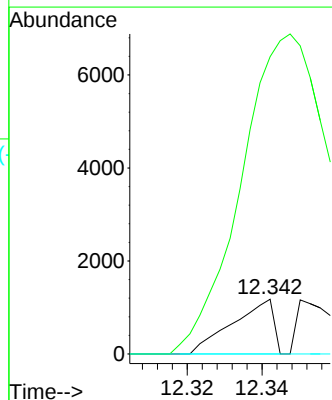
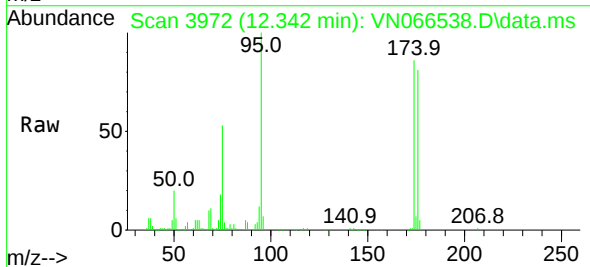
Instrument :
MSVOA_N
ClientSampled :

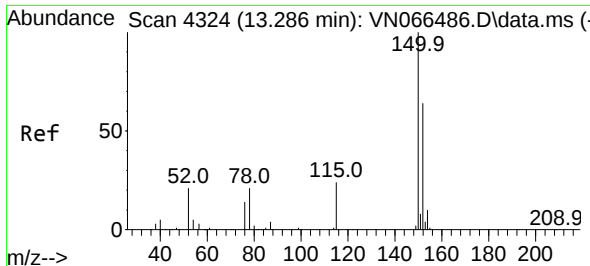
Tgt Ion:117 Resp: 477705
Ion Ratio Lower Upper
117 100
82 56.0 44.2 66.4
119 31.6 25.8 38.6



#71
Bromoform
Concen: 0.29 ug/l
RT: 12.342 min Scan# 3972
Delta R.T. 0.271 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

Tgt Ion:173 Resp: 898
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.8#
254 0.0 0.0 0.0

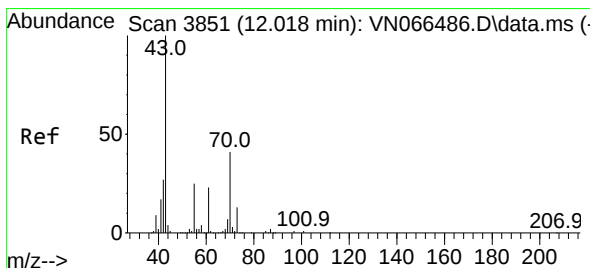
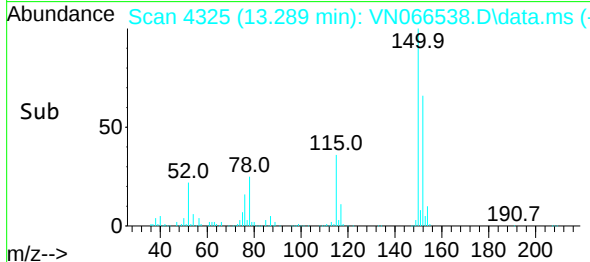
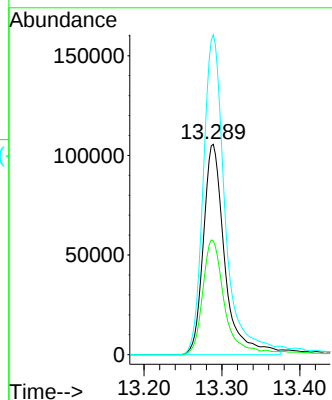
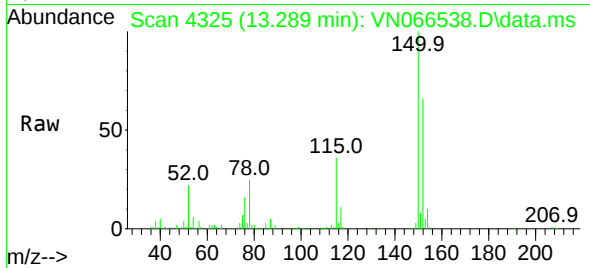




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

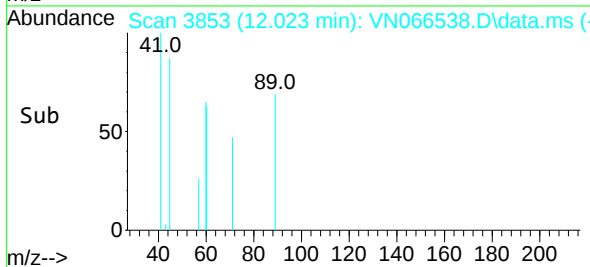
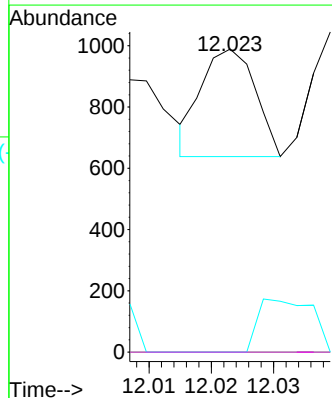
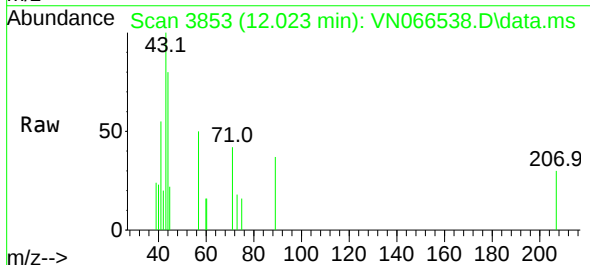
Instrument :
MSVOA_N
ClientSampleId :

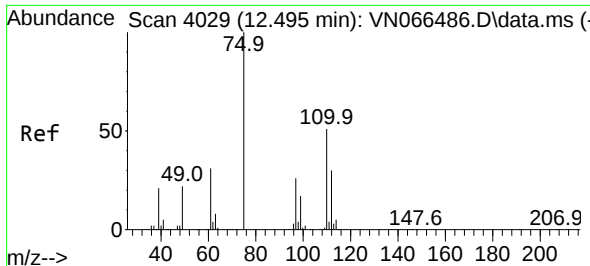
Tgt Ion:152 Resp: 202050
Ion Ratio Lower Upper
152 100
115 54.6 27.8 83.4
150 154.9 0.0 348.4



#74
N-ethyl acetate
Concen: 12.76 ug/l
RT: 12.023 min Scan# 3853
Delta R.T. 0.005 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

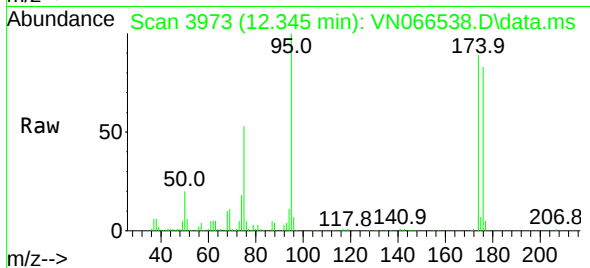
Tgt Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 49.3 18.6 28.0#
61 0.0 18.2 27.4#



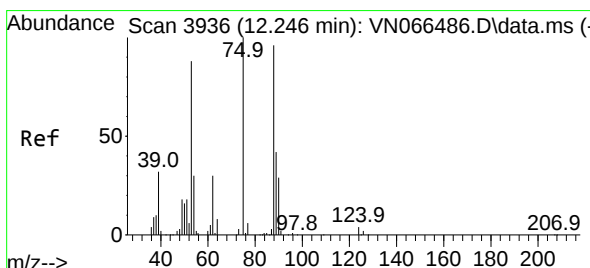
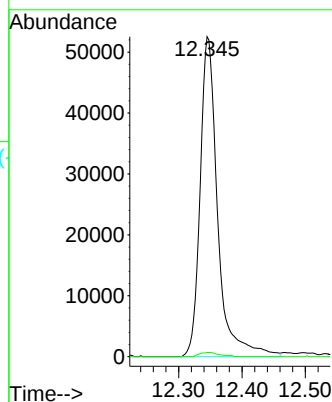
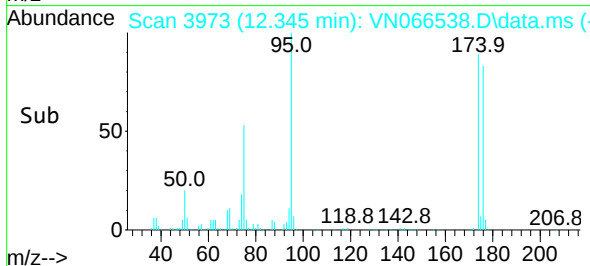


#76
1,2,3-Trichloropropane
Concen: 22.11 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.150 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

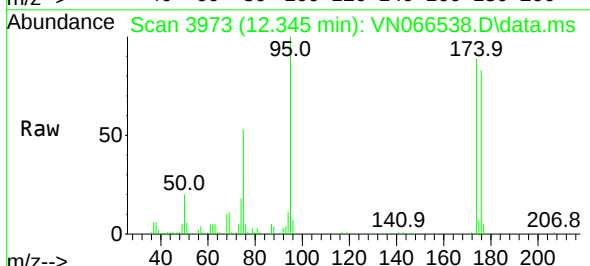
Instrument :
MSVOA_N
ClientSampled :



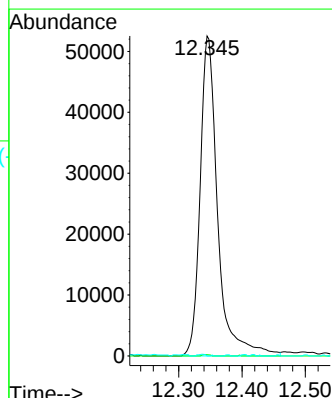
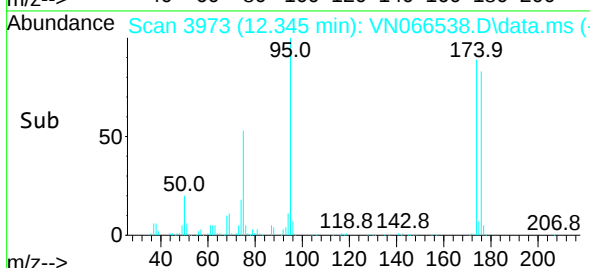
Tgt Ion: 75 Resp: 100782
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

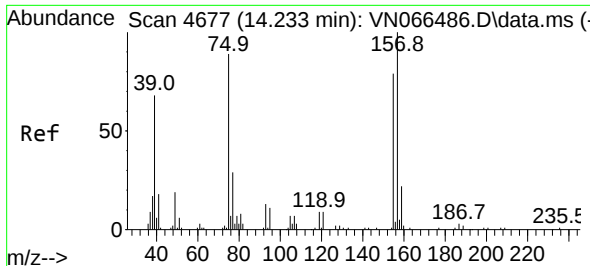


#81
trans-1,4-Dichloro-2-butene
Concen: 61.52 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05



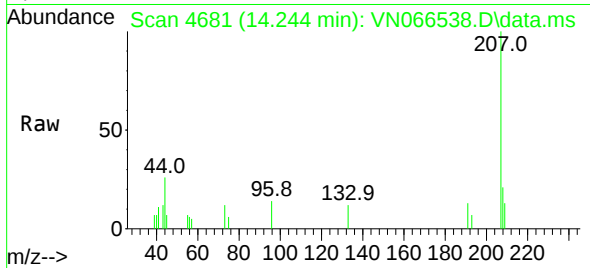
Tgt Ion: 75 Resp: 100782
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.2 35.7 53.5#



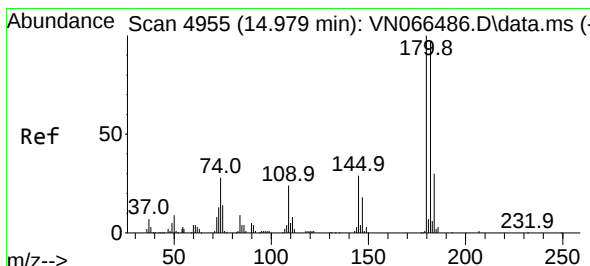
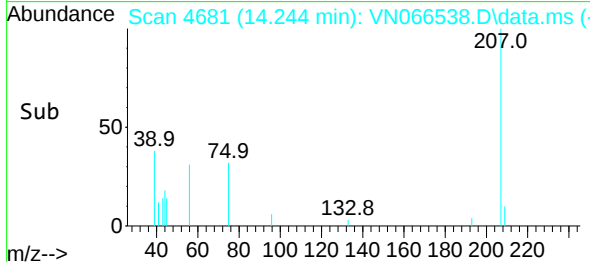
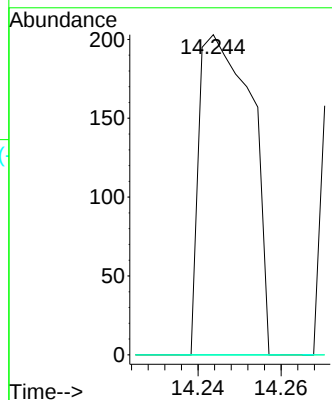


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.50 ug/l
RT: 14.244 min Scan# 4681
Delta R.T. 0.011 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

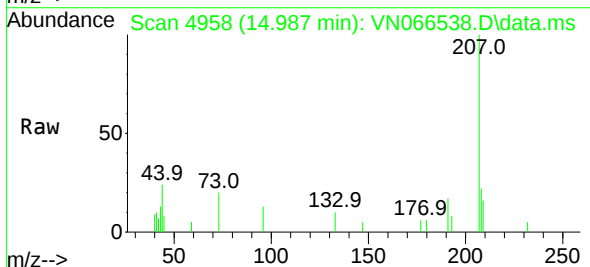
Instrument :
MSVOA_N
ClientSampleId :



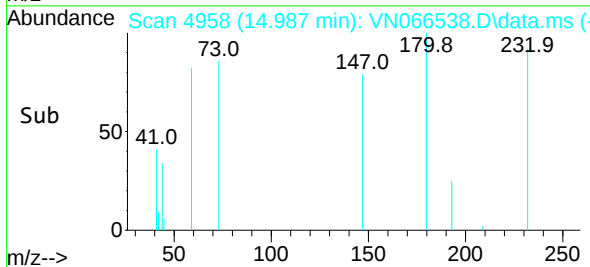
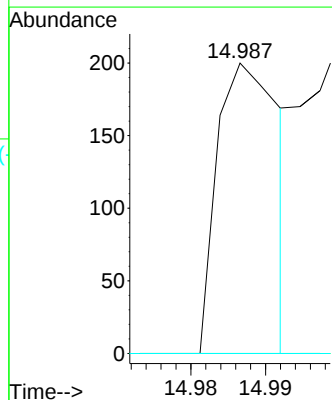
Tgt Ion: 75 Resp: 176
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.3#
157 0.0 57.6 172.8#

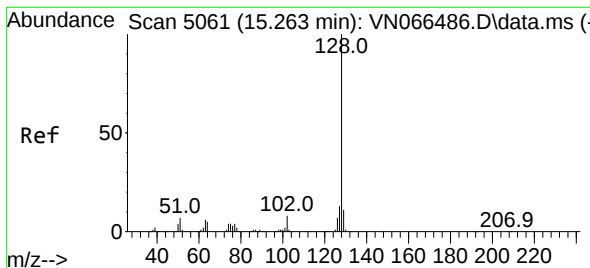


#93
1,2,4-Trichlorobenzene
Concen: 2.27 ug/l
RT: 14.987 min Scan# 4958
Delta R.T. 0.008 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05



Tgt Ion: 180 Resp: 116
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.3#
145 0.0 14.2 42.8#

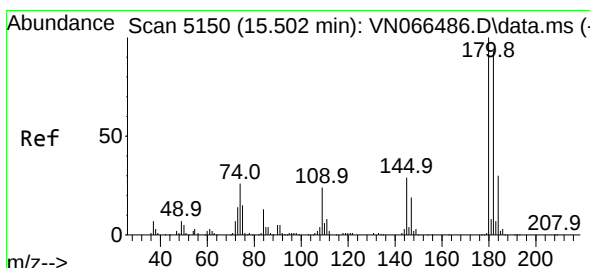
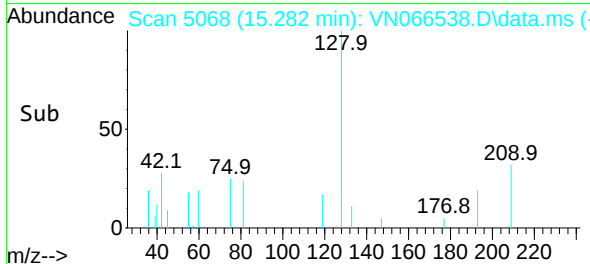
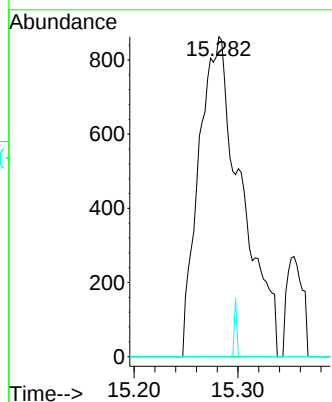
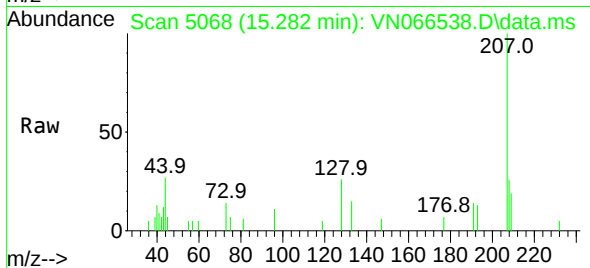




#95
Naphthalene
Concen: 2.17 ug/l
RT: 15.282 min Scan# 5068
Delta R.T. 0.019 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 2450
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 1.0 8.5 12.7#



#96
1,2,3-Trichlorobenzene
Concen: 1.67 ug/l
RT: 15.493 min Scan# 5147
Delta R.T. -0.009 min
Lab File: VN066538.D
Acq: 8 Apr 2021 14:05

Tgt Ion:180 Resp: 237
Ion Ratio Lower Upper
180 100
182 66.7 47.6 142.9
145 0.0 15.4 46.1#

