

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040821\
 Data File : VN066541.D
 Acq On : 8 Apr 2021 15:13
 Operator : JC/MD
 Sample : M1961-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 09 04:34:56 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)

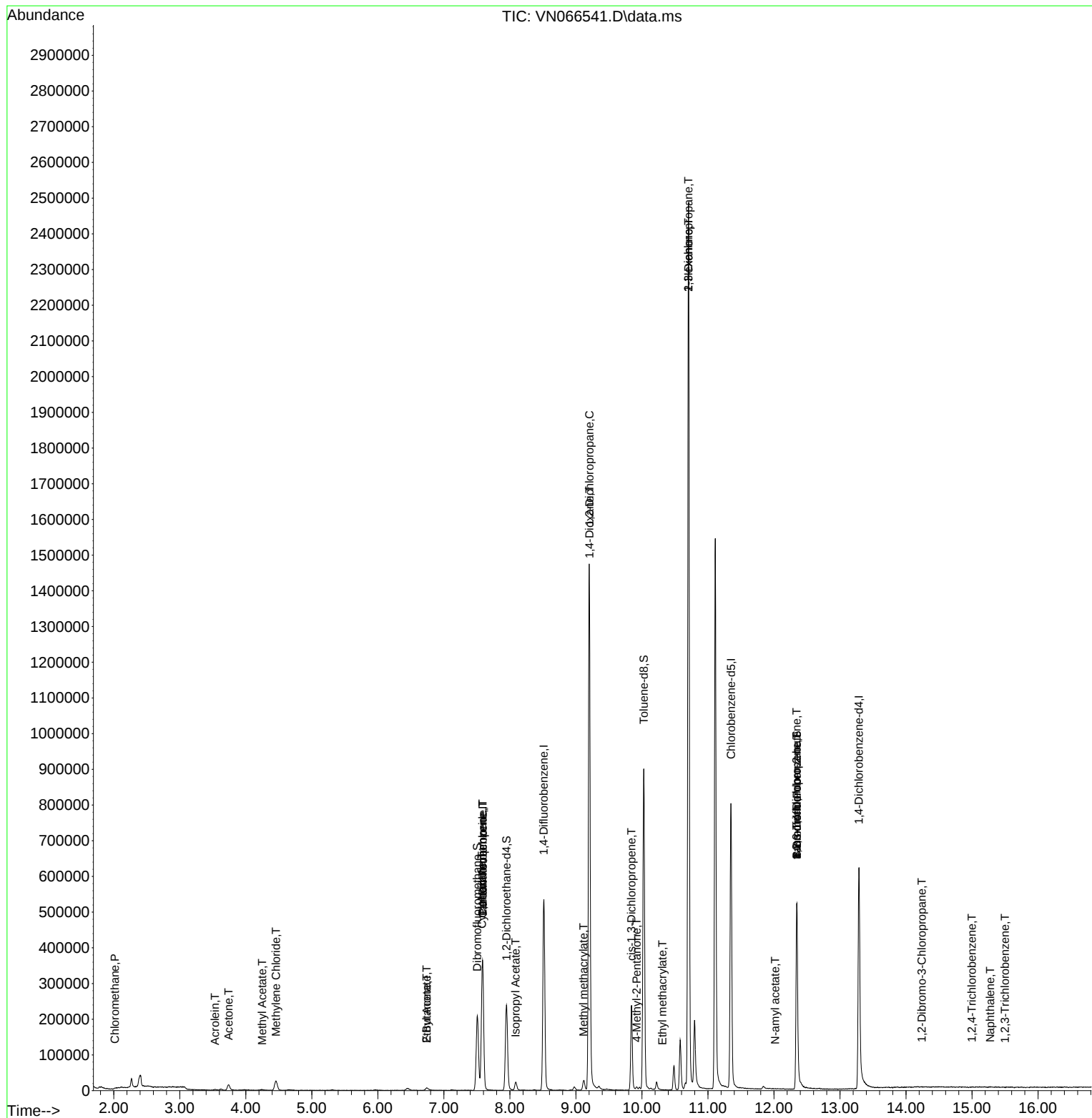
Internal Standards						
1) Pentafluorobenzene	7.587	168	308628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	471863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	468359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	202941	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	204227	50.25	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.50%			
35) Dibromofluoromethane	7.507	113	157973	49.12	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.24%			
50) Toluene-d8	10.028	98	614540	50.29	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.58%			
62) 4-Bromofluorobenzene	12.348	95	189616	47.85	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.70%			
Target Compounds					Qvalue	
3) Chloromethane	2.017	50	1136	0.25	ug/l	97
13) Acrolein	3.532	56	1212	7.02	ug/l #	72
16) Acetone	3.738	43	25868	15.18	ug/l	94
18) Methyl Acetate	4.248	43	4142	0.97	ug/l #	66
20) Methylene Chloride	4.457	84	18651	5.10	ug/l	91
25) 2-Butanone	6.742	43	12523	4.90	ug/l	96
31) Cyclohexane	7.579	56	6351	1.14	ug/l #	25
36) 1,1-Dichloropropene	7.587	75	23338	5.09	ug/l #	48
37) Ethyl Acetate	6.742	43	12523	2.21	ug/l #	69
38) Carbon Tetrachloride	7.590	117	28616	6.16	ug/l #	17
43) Isopropyl Acetate	8.089	43	28260	3.22	ug/l	98
45) 1,2-Dichloropropane	9.204	63	2132	0.56	ug/l #	43
48) Methyl methacrylate	9.116	41	6593	1.69	ug/l #	13
49) 1,4-Dioxane	9.207	88	77	1.45	ug/l #	1
51) 4-Methyl-2-Pentanone	9.920	43	5567	1.07	ug/l #	68
54) cis-1,3-Dichloropropene	9.843	75	43042	7.36	ug/l #	62
56) Ethyl methacrylate	10.312	69	112	3.74	ug/l #	22
57) 1,3-Dichloropropane	10.706	76	24841	4.22	ug/l #	42
59) 2-Hexanone	10.706	43	348893	94.33	ug/l #	54
71) Bromoform	12.348	173	1641	0.55	ug/l #	1
74) N-amyl acetate	12.018	43	404	12.79	ug/l #	52
76) 1,2,3-Trichloropropane	12.345	75	97627	21.33	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	97627	59.52	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.238	75	127	0.45	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.997	180	145	2.27	ug/l #	12
95) Naphthalene	15.276	128	442	2.01	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.502	180	106	1.64	ug/l #	12

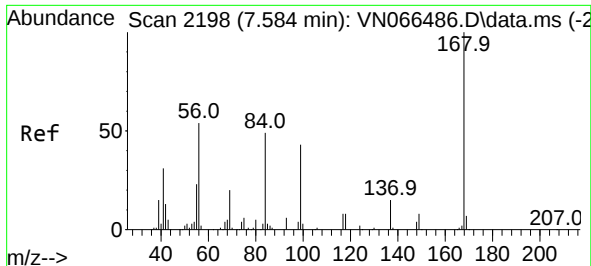
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040821\
Data File : VN066541.D
Acq On : 8 Apr 2021 15:13
Operator : JC/MD
Sample : M1961-11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

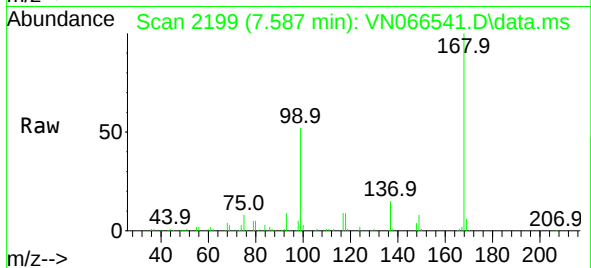
Quant Time: Apr 09 04:34:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 06 15:38:34 2021
Response via : Initial Calibration



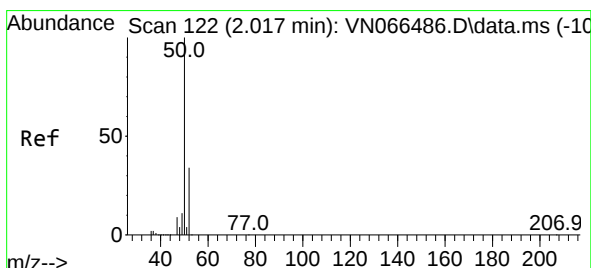
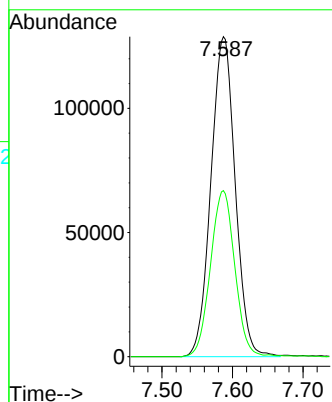
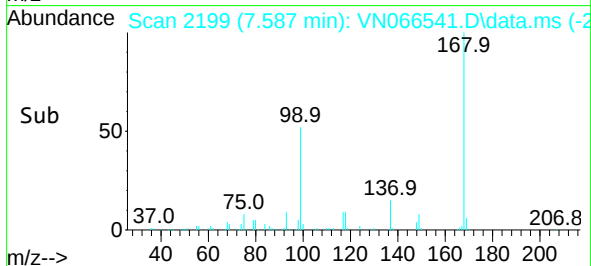


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.003 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

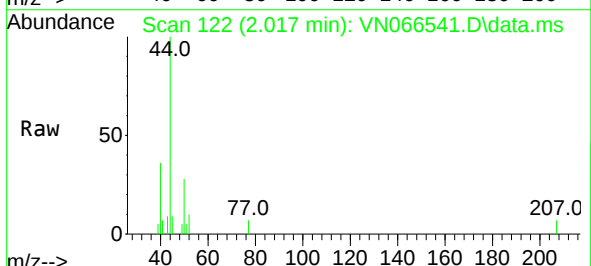
Instrument :
MSVOA_N
ClientSampleId :



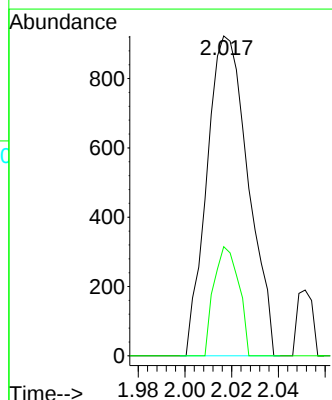
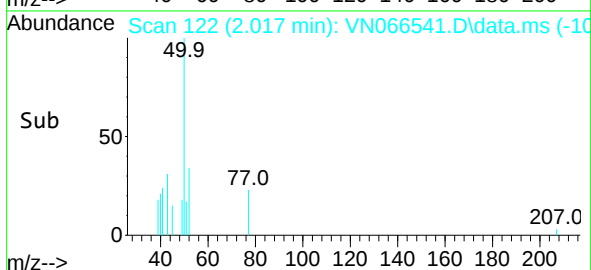
Tgt Ion:168 Resp: 308628
Ion Ratio Lower Upper
168 100
99 51.9 41.1 61.7

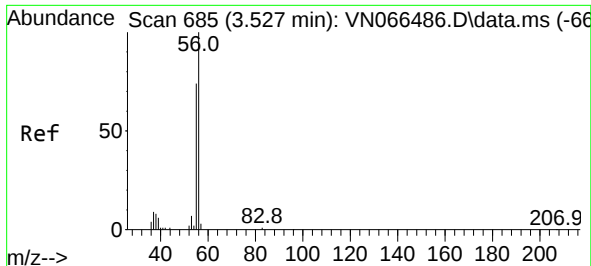


#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13



Tgt Ion: 50 Resp: 1136
Ion Ratio Lower Upper
50 100
52 34.1 26.2 39.2

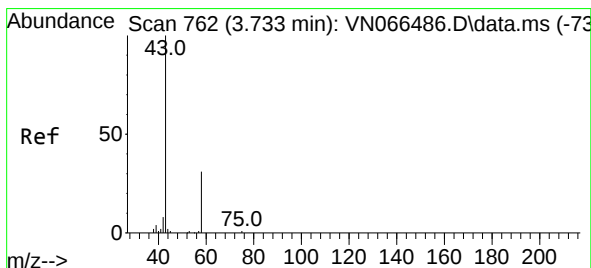
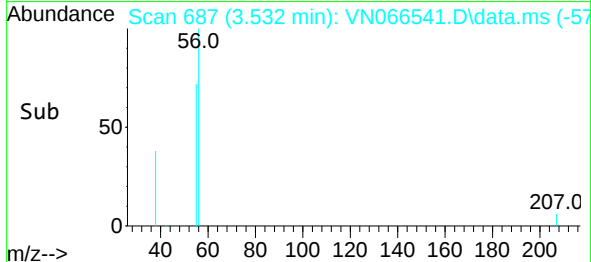
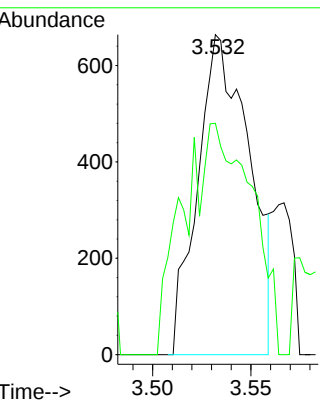
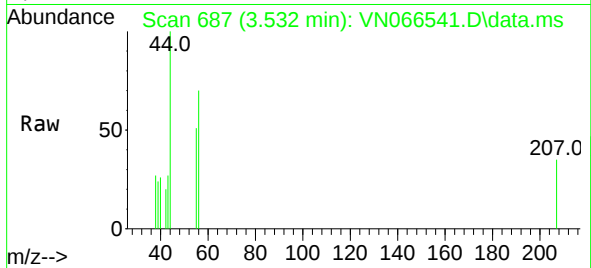




#13
Acrolein
Concen: 7.02 ug/l
RT: 3.532 min Scan# 687
Delta R.T. 0.005 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

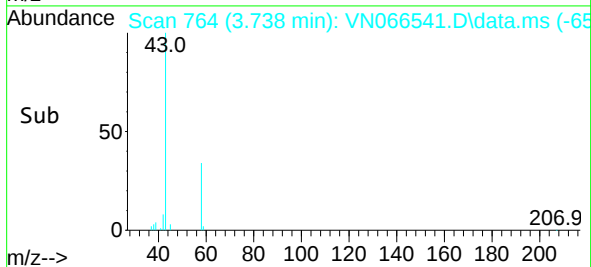
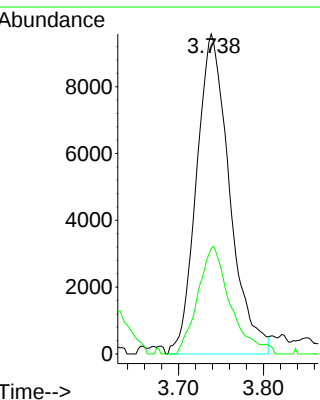
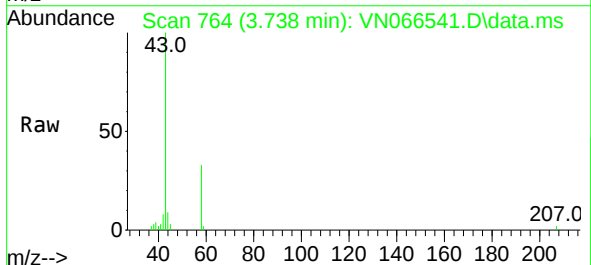
Instrument :
MSVOA_N
ClientSampleId :

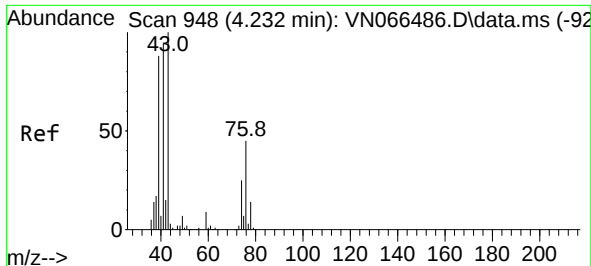
Tgt Ion: 56 Resp: 1212
Ion Ratio Lower Upper
56 100
55 95.8 57.9 86.9#



#16
Acetone
Concen: 15.18 ug/l
RT: 3.738 min Scan# 764
Delta R.T. 0.005 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

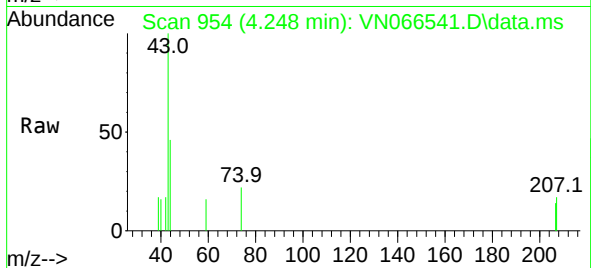
Tgt Ion: 43 Resp: 25868
Ion Ratio Lower Upper
43 100
58 32.9 23.8 35.8



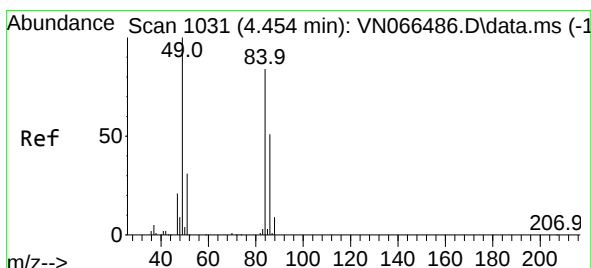
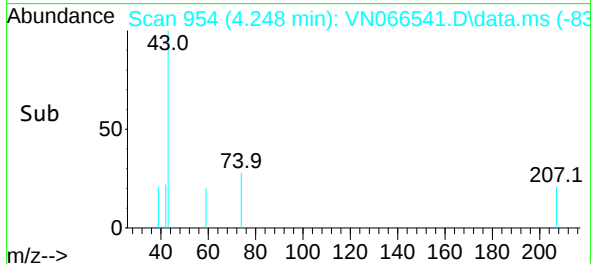
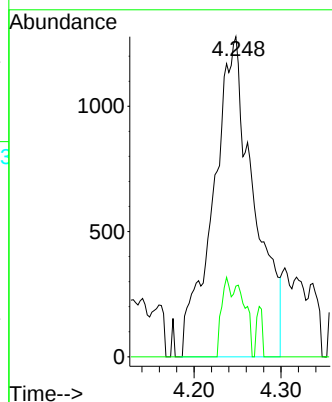


#18
Methyl Acetate
Concen: 0.97 ug/l
RT: 4.248 min Scan# 954
Delta R.T. 0.016 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

Instrument :
MSVOA_N
ClientSampled :

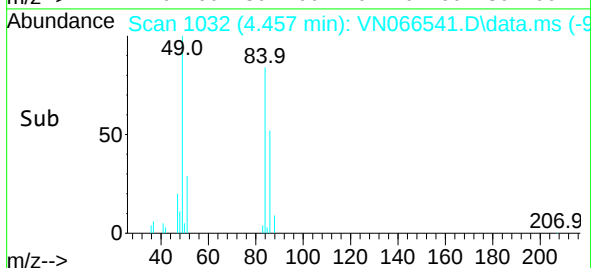
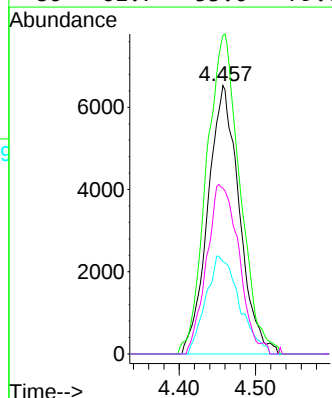
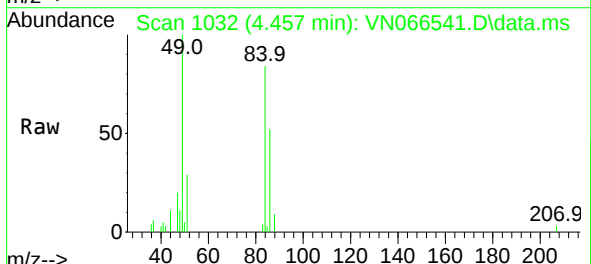


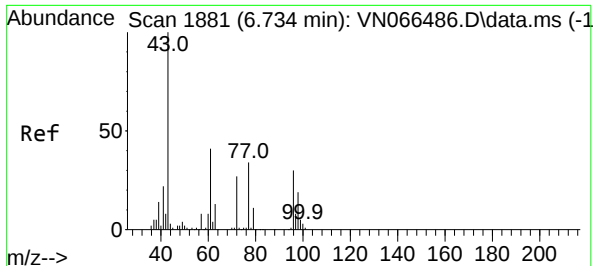
Tgt Ion: 43 Resp: 4142
Ion Ratio Lower Upper
43 100
74 5.7 17.6 26.4#



#20
Methylene Chloride
Concen: 5.10 ug/l
RT: 4.457 min Scan# 1032
Delta R.T. 0.003 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

Tgt Ion: 84 Resp: 18651
Ion Ratio Lower Upper
84 100
49 118.7 105.0 157.6
51 34.4 31.6 47.4
86 61.7 53.0 79.6

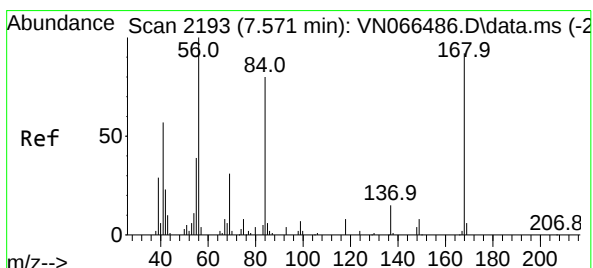
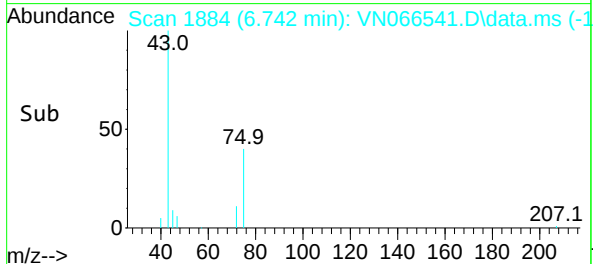
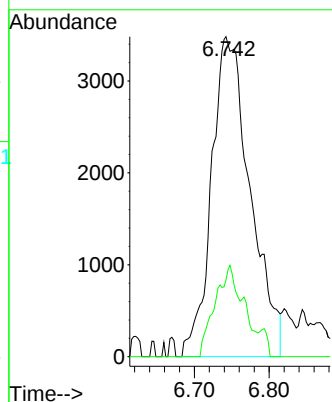
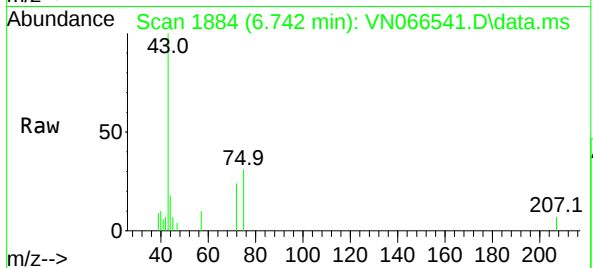




#25
2-Butanone
Concen: 4.90 ug/l
RT: 6.742 min Scan# 1884
Delta R.T. 0.008 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

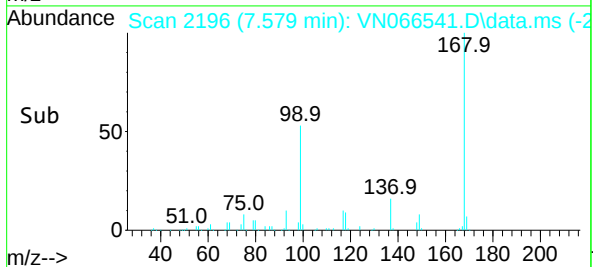
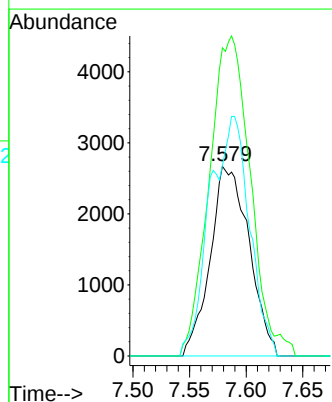
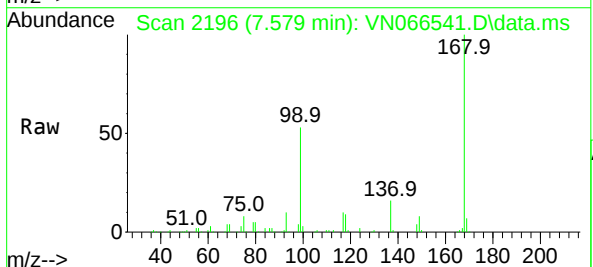
Instrument :
MSVOA_N
ClientSampled :

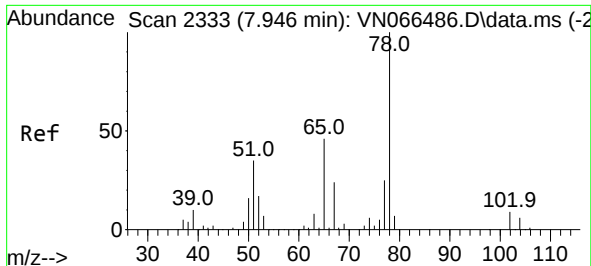
Tgt Ion: 43 Resp: 12523
Ion Ratio Lower Upper
43 100
72 24.0 20.7 31.1



#31
Cyclohexane
Concen: 1.14 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. 0.008 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

Tgt Ion: 56 Resp: 6351
Ion Ratio Lower Upper
56 100
69 162.5 26.6 40.0#
84 100.4 68.7 103.1

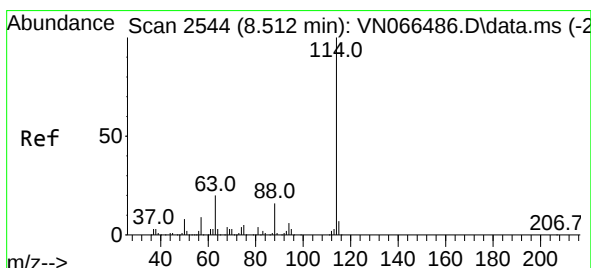
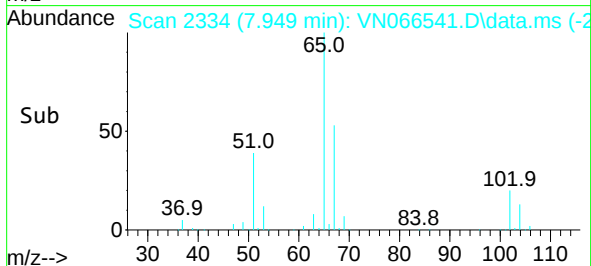
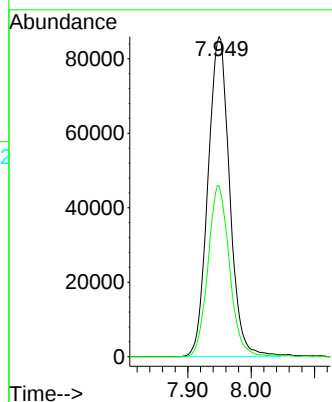
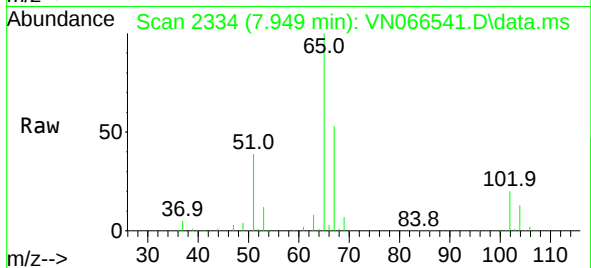




#33
 1,2-Dichloroethane-d4
 Concen: 50.25 ug/l
 RT: 7.949 min Scan# 2334
 Delta R.T. 0.003 min
 Lab File: VN066541.D
 Acq: 8 Apr 2021 15:13

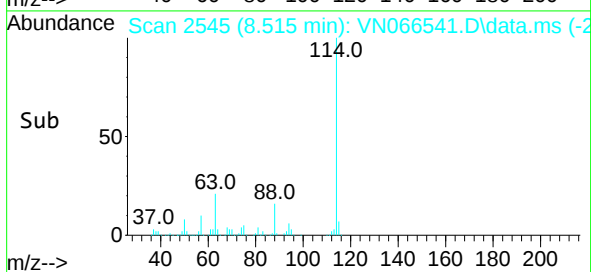
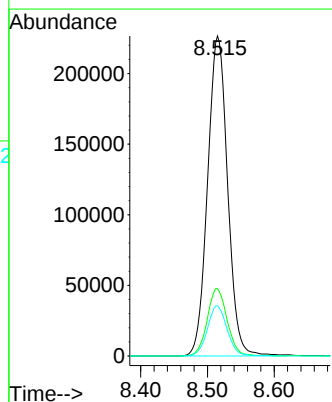
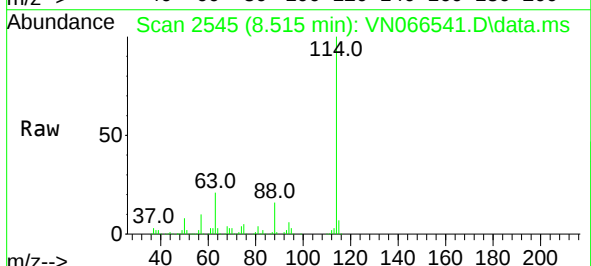
Instrument :
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 ClientSampleId :

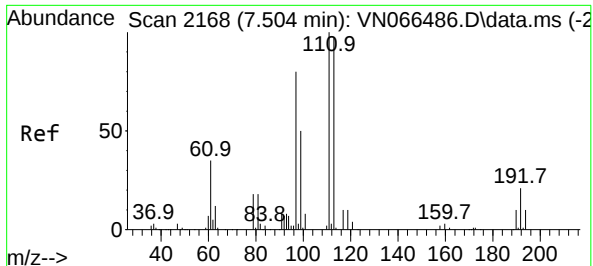
Tgt Ion: 65 Resp: 204227
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.515 min Scan# 2545
 Delta R.T. 0.003 min
 Lab File: VN066541.D
 Acq: 8 Apr 2021 15:13

Tgt Ion: 114 Resp: 471863
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.0
 88 15.7 0.0 31.0

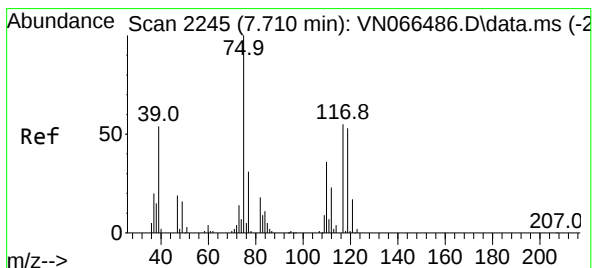
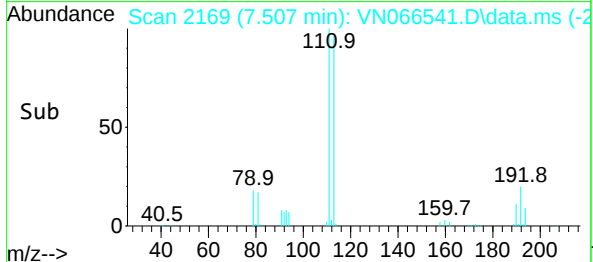
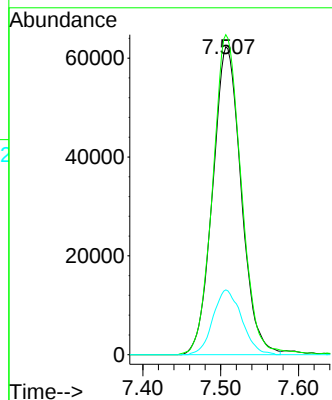
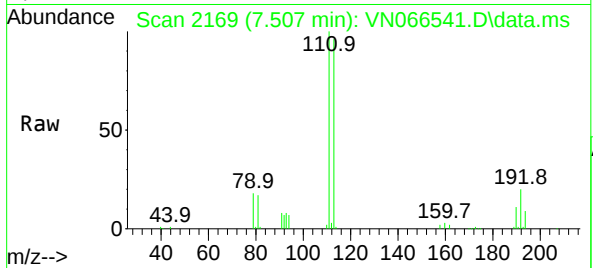




#35
Dibromofluoromethane
Concen: 49.12 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. 0.003 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

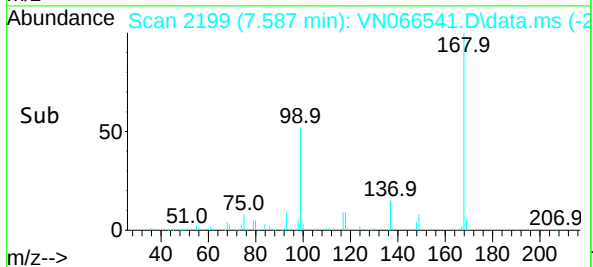
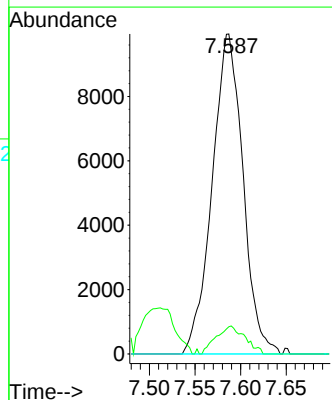
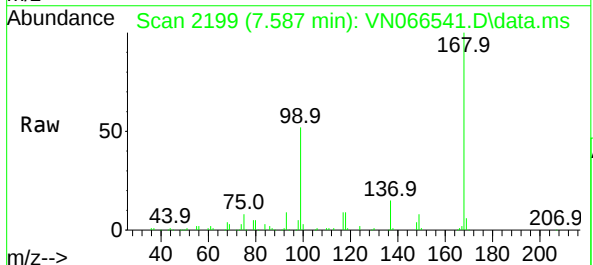
Instrument :
MSVOA_N
ClientSampleId :

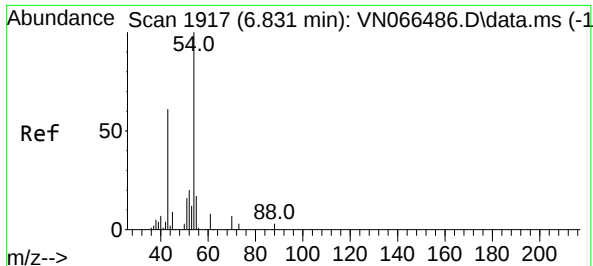
Tgt Ion:113 Resp: 157973
Ion Ratio Lower Upper
113 100
111 104.5 81.8 122.8
192 21.3 17.1 25.7



#36
1,1-Dichloropropene
Concen: 5.09 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.123 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

Tgt Ion: 75 Resp: 23338
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 2.21 ug/l

RT: 6.742 min Scan# 1884

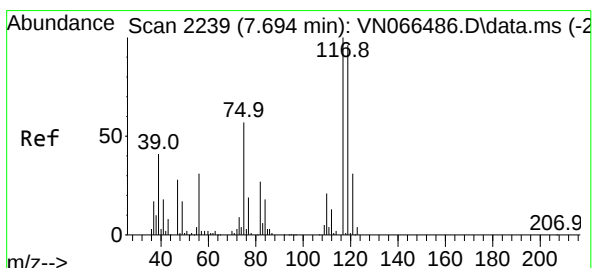
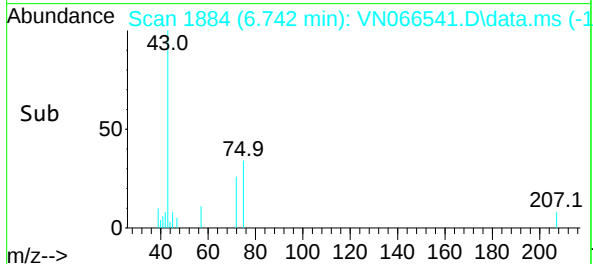
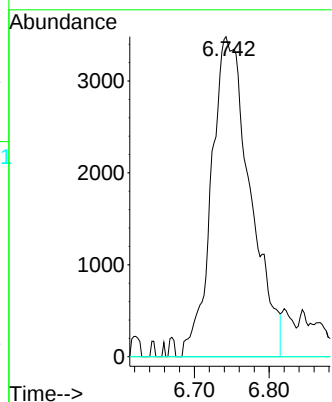
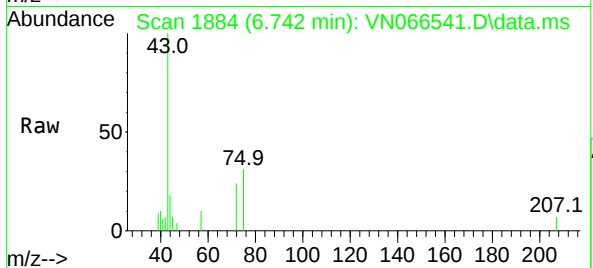
Delta R.T. -0.089 min

Lab File: VN066541.D

Acq: 8 Apr 2021 15:13

Tgt Ion:	43	Resp:	12523
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.1	16.7#
70	0.0	8.0	12.0#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.16 ug/l

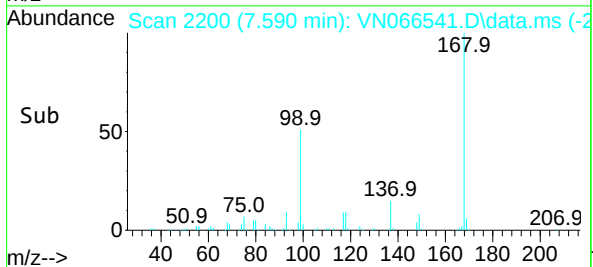
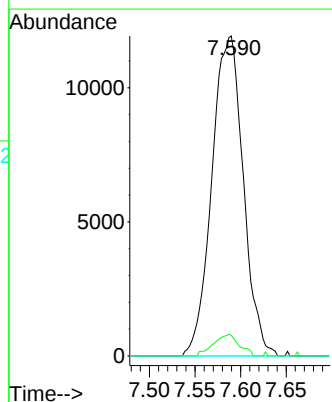
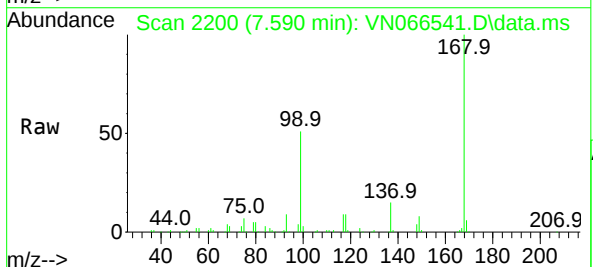
RT: 7.590 min Scan# 2200

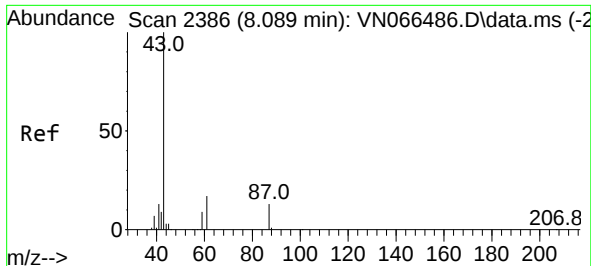
Delta R.T. -0.104 min

Lab File: VN066541.D

Acq: 8 Apr 2021 15:13

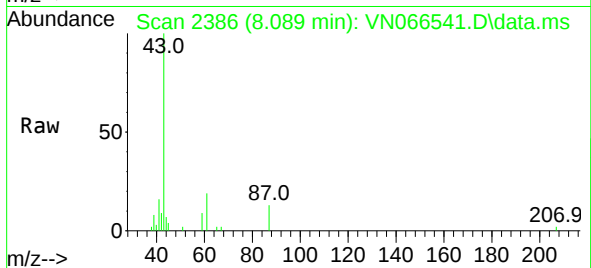
Tgt Ion:	117	Resp:	28616
Ion	Ratio	Lower	Upper
117	100		
119	6.5	77.2	115.8#
121	0.0	24.2	36.4#



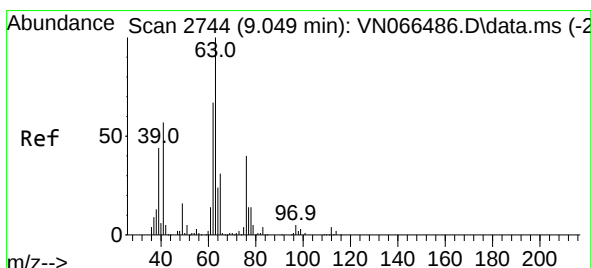
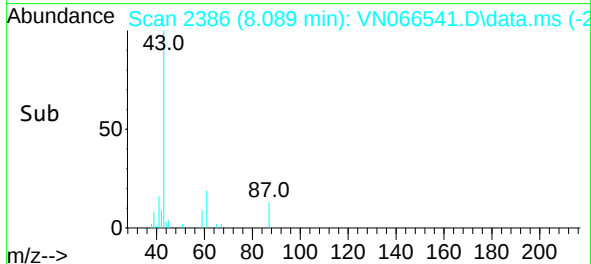
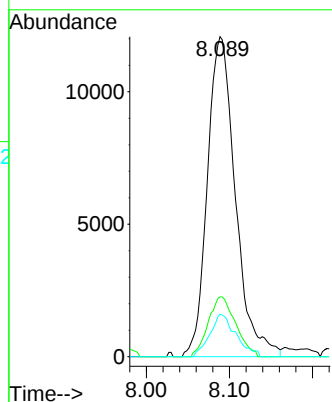


#43
Isopropyl Acetate
Concen: 3.22 ug/l
RT: 8.089 min Scan# 2386
Delta R.T. -0.000 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

Instrument :
MSVOA_N
ClientSampled :

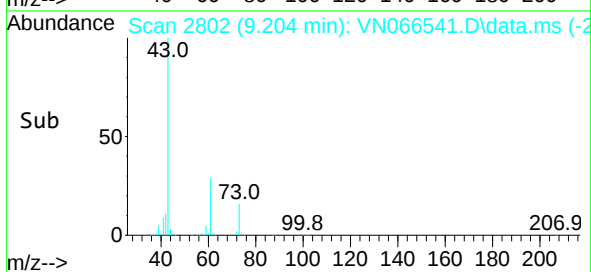
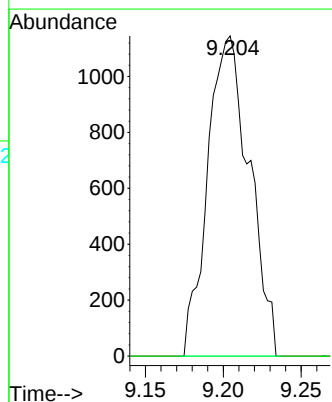
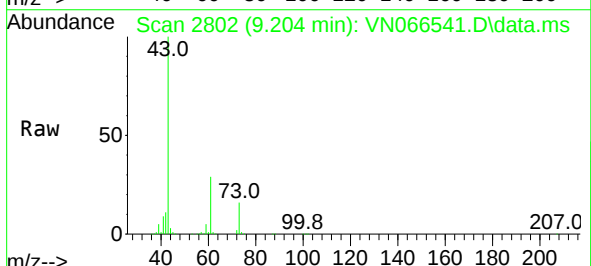


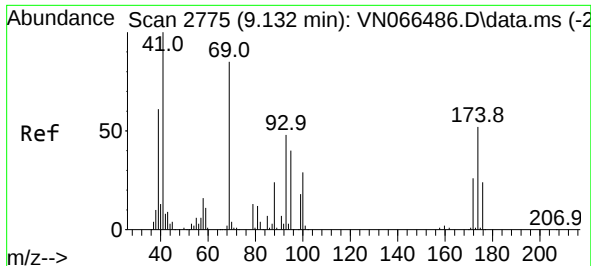
Tgt Ion: 43 Resp: 28260
Ion Ratio Lower Upper
43 100
61 18.3 15.5 23.3
87 12.3 10.5 15.7



#45
1,2-Dichloropropane
Concen: 0.56 ug/l
RT: 9.204 min Scan# 2802
Delta R.T. 0.155 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

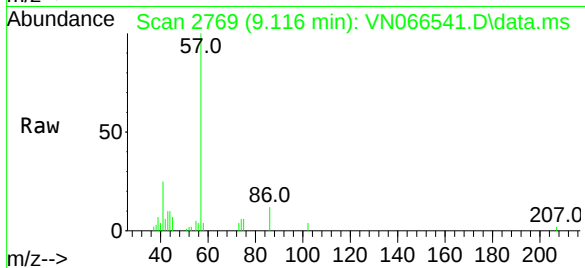
Tgt Ion: 63 Resp: 2132
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#



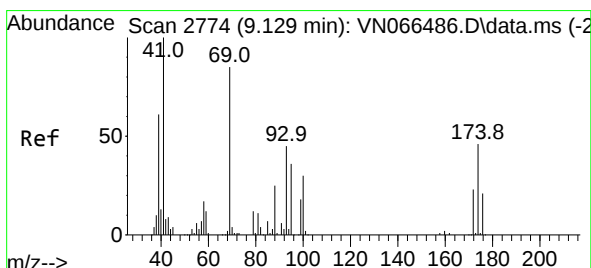
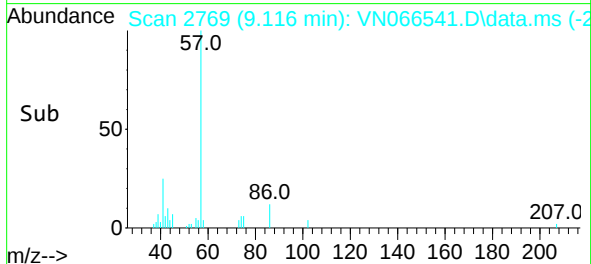
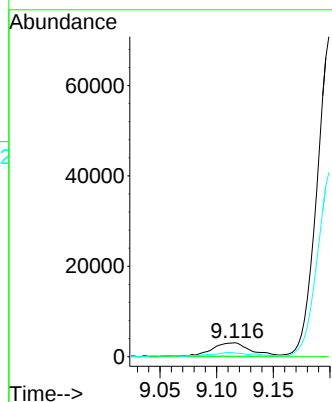


#48
Methyl methacrylate
Concen: 1.69 ug/l
RT: 9.116 min Scan# 2769
Delta R.T. -0.016 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

Instrument :
MSVOA_N
ClientSampleId :

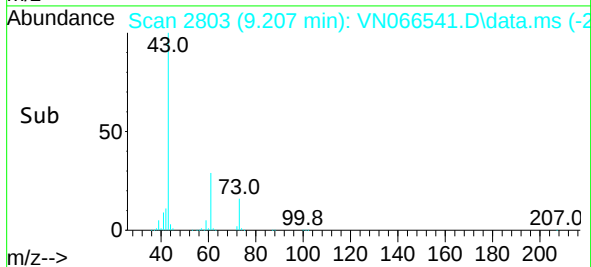
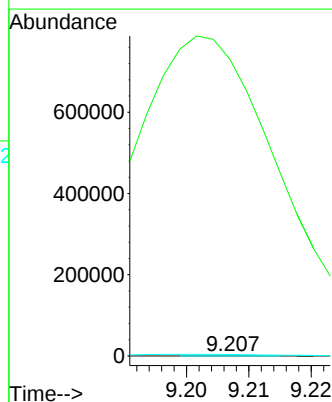
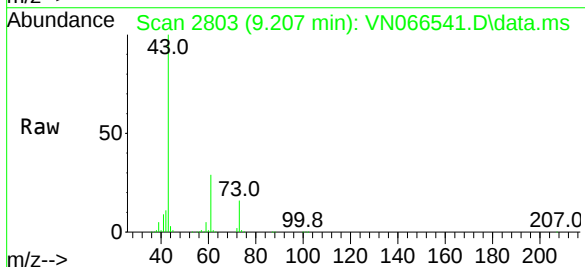


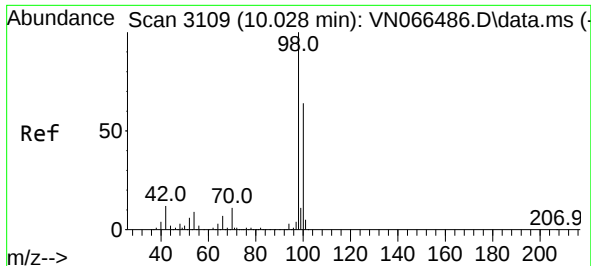
Tgt Ion: 41 Resp: 6593
Ion Ratio Lower Upper
41 100
69 0.4 66.2 99.4#
39 0.0 51.5 77.3#



#49
1,4-Dioxane
Concen: 1.45 ug/l
RT: 9.207 min Scan# 2803
Delta R.T. 0.078 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

Tgt Ion: 88 Resp: 77
Ion Ratio Lower Upper
88 100
43 1889276.6 28.2 42.4#
58 10194.8 56.6 84.8#

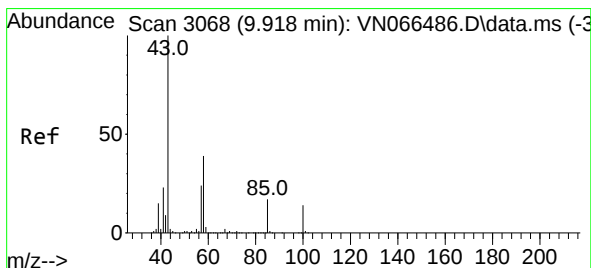
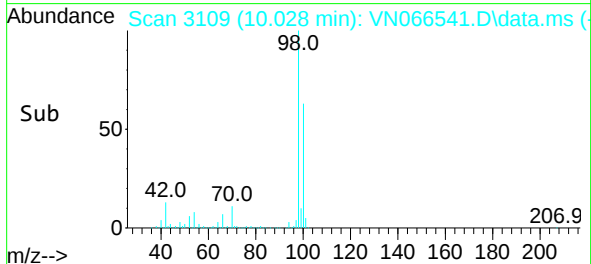
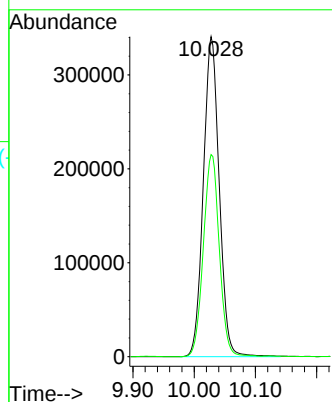
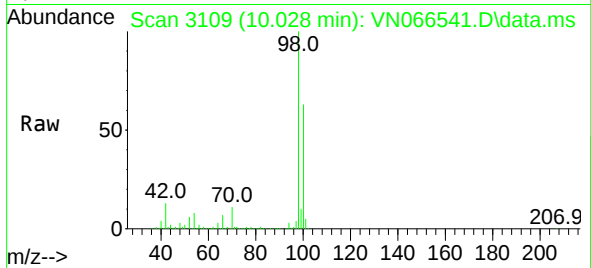




#50
Toluene-d8
Concen: 50.29 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

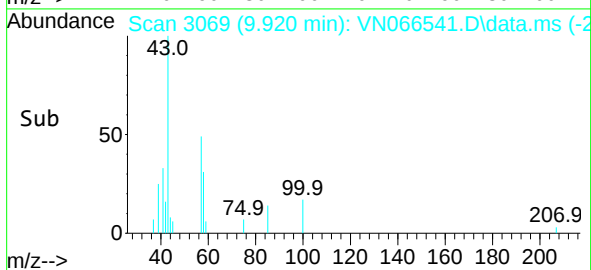
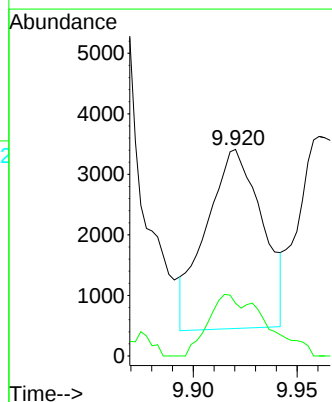
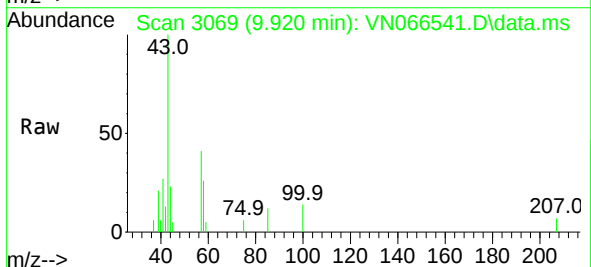
Instrument :
MSVOA_N
ClientSampled :

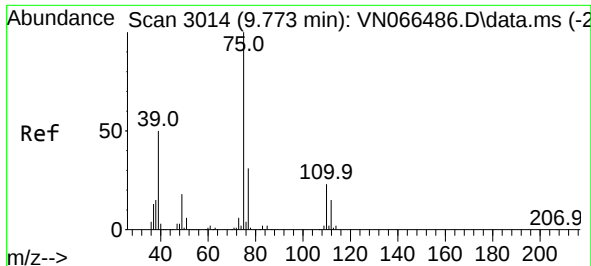
Tgt Ion: 98 Resp: 614540
Ion Ratio Lower Upper
98 100
100 63.4 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.07 ug/l
RT: 9.920 min Scan# 3069
Delta R.T. 0.002 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

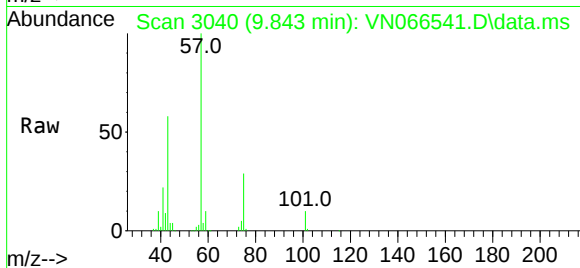
Tgt Ion: 43 Resp: 5567
Ion Ratio Lower Upper
43 100
58 19.4 30.8 46.2#



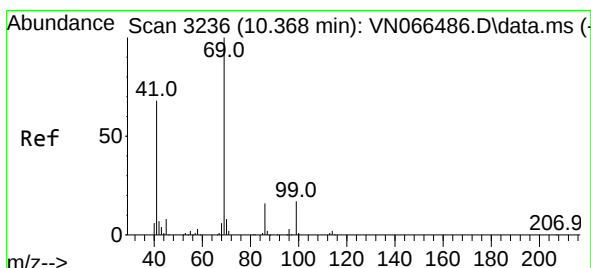
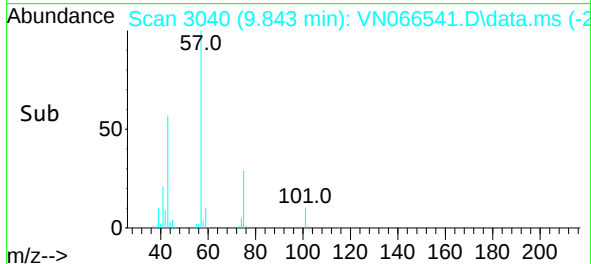
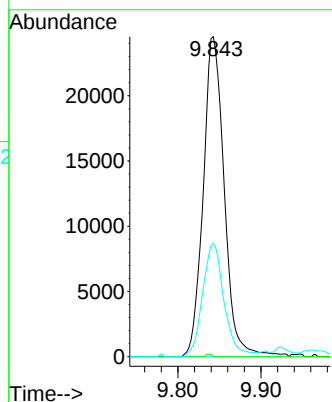


#54
cis-1,3-Dichloropropene
Concen: 7.36 ug/l
RT: 9.843 min Scan# 3040
Delta R.T. 0.070 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

Instrument :
MSVOA_N
ClientSampled :

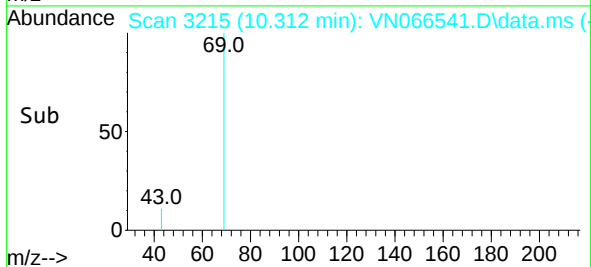
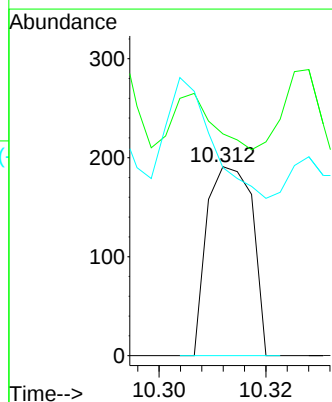
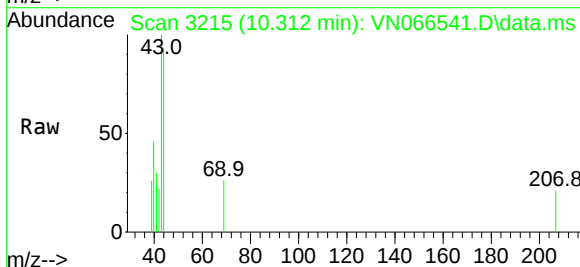


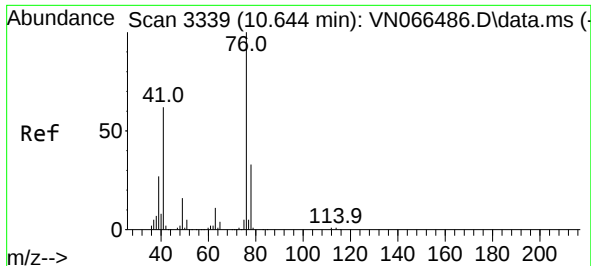
Tgt Ion: 75 Resp: 43042
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
39 35.4 44.2 66.4#



#56
Ethyl methacrylate
Concen: 3.74 ug/l
RT: 10.312 min Scan# 3215
Delta R.T. -0.056 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

Tgt Ion: 69 Resp: 112
Ion Ratio Lower Upper
69 100
41 0.0 55.3 82.9#
39 0.0 33.8 50.6#

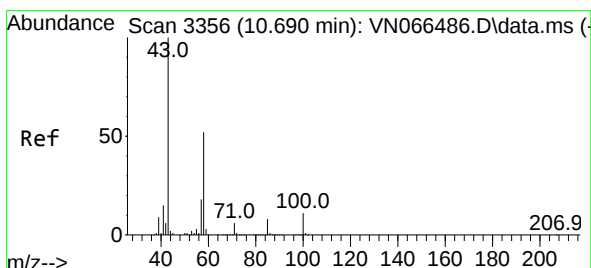
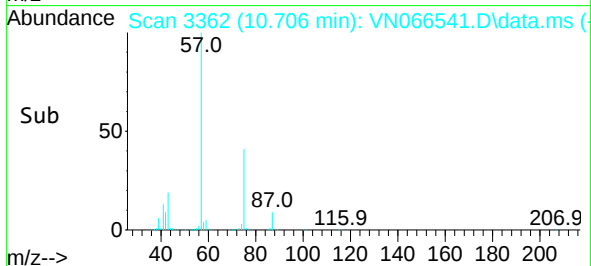
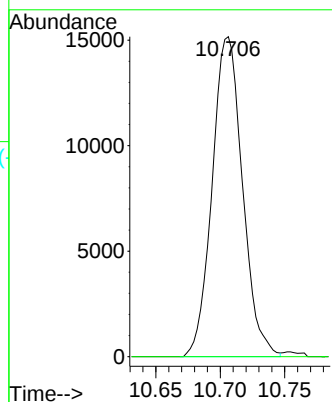
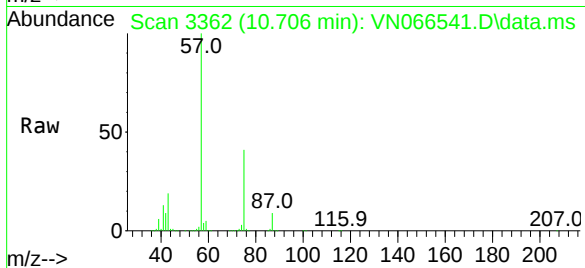




#57
1,3-Dichloropropane
Concen: 4.22 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.062 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

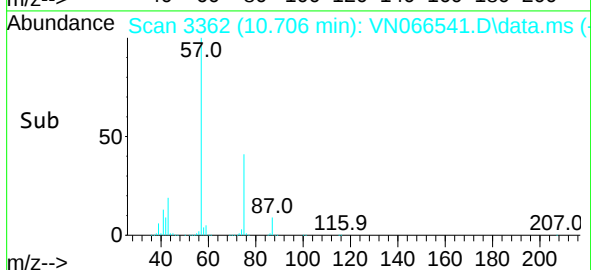
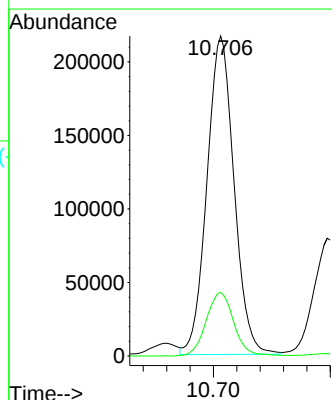
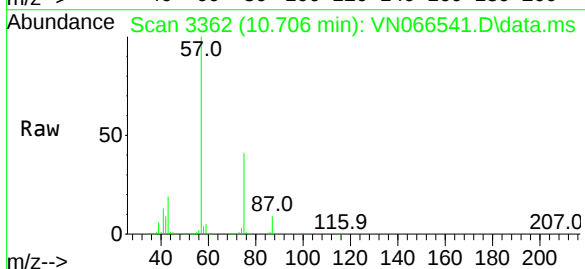
Instrument :
MSVOA_N
ClientSampled :

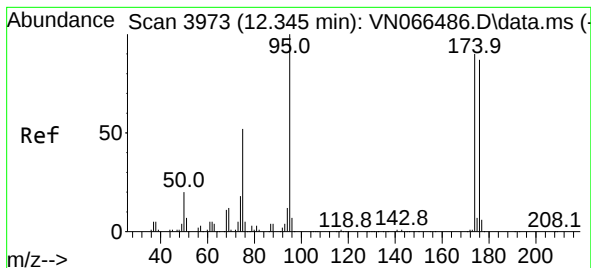
Tgt Ion: 76 Resp: 24841
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#



#59
2-Hexanone
Concen: 94.33 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.016 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

Tgt Ion: 43 Resp: 348893
Ion Ratio Lower Upper
43 100
58 20.4 26.6 79.8#

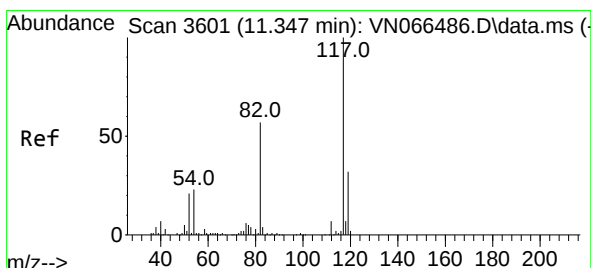
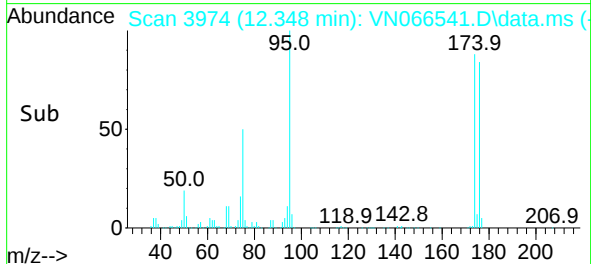
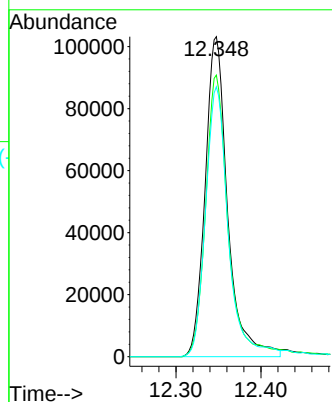
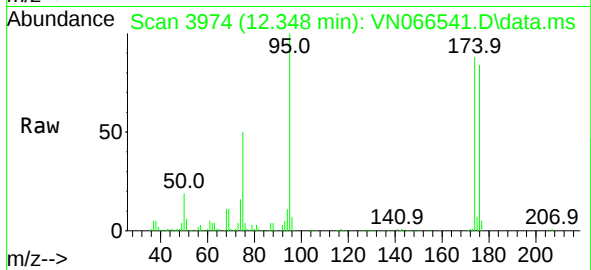




#62
4-Bromofluorobenzene
Concen: 47.85 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

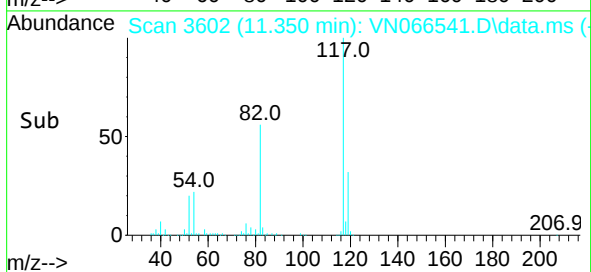
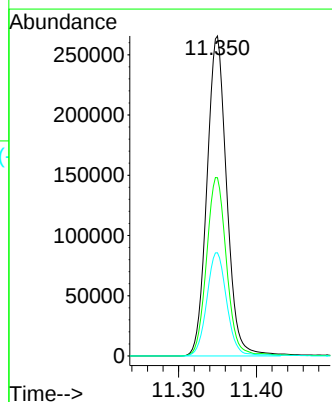
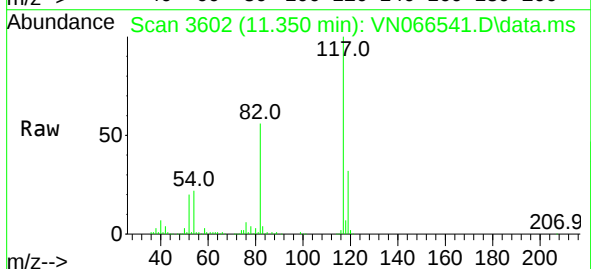
Instrument :
MSVOA_N
ClientSampleId :

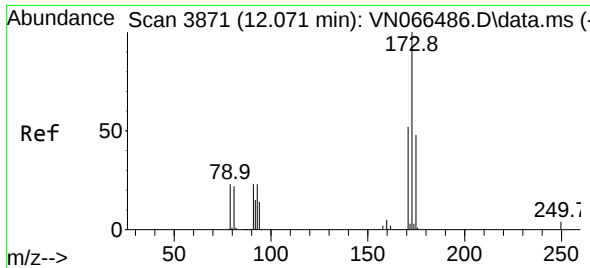
Tgt Ion: 95 Resp: 189616
Ion Ratio Lower Upper
95 100
174 88.5 0.0 172.2
176 85.0 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

Tgt Ion: 117 Resp: 468359
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.4
119 32.3 25.8 38.6

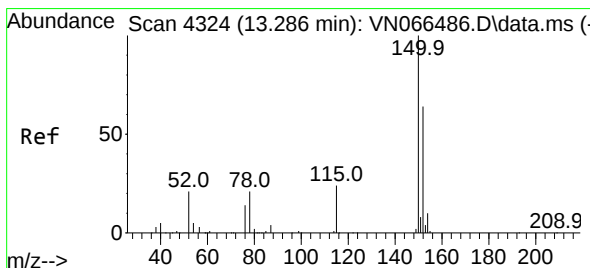
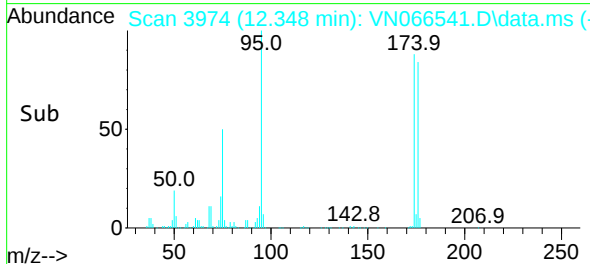
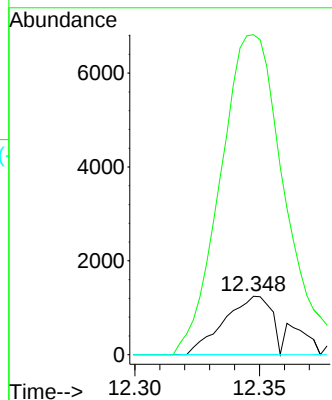
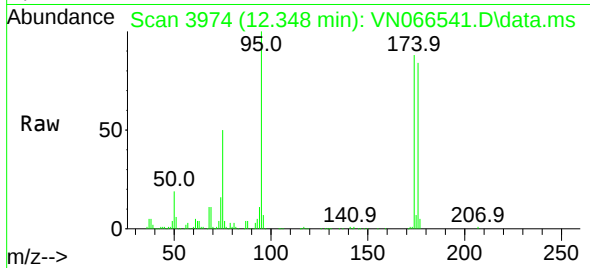




#71
Bromoform
Concen: 0.55 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.277 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

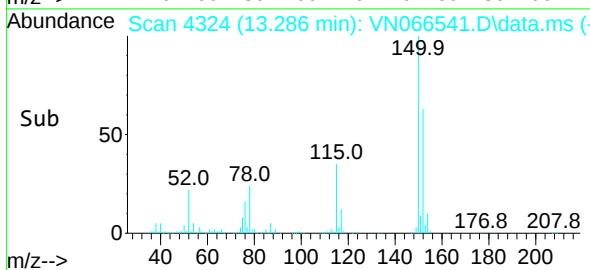
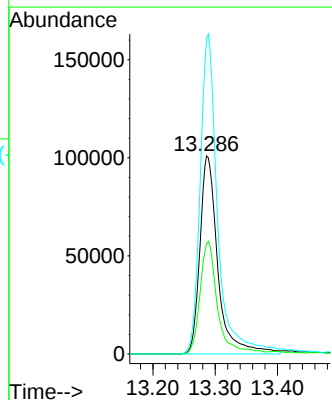
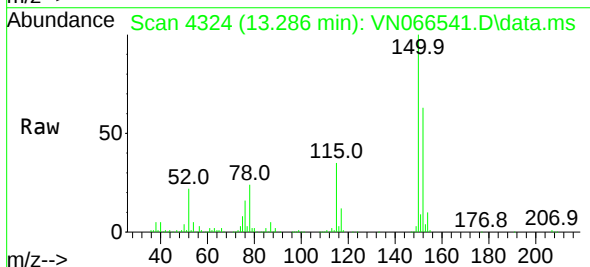
Instrument :
MSVOA_N
ClientSampled :

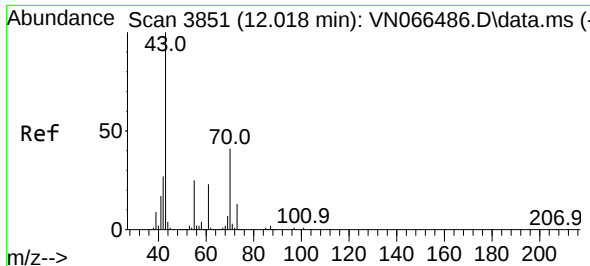
Tgt Ion:173 Resp: 1641
Ion Ratio Lower Upper
173 100
175 655.4 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

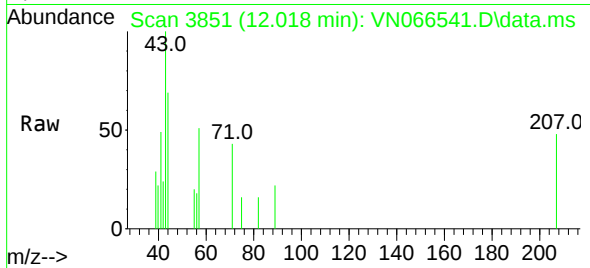
Tgt Ion:152 Resp: 202941
Ion Ratio Lower Upper
152 100
115 55.0 27.8 83.4
150 159.5 0.0 348.4



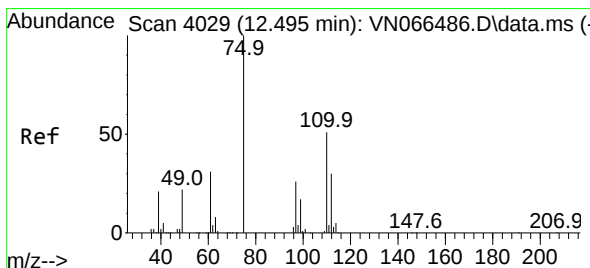
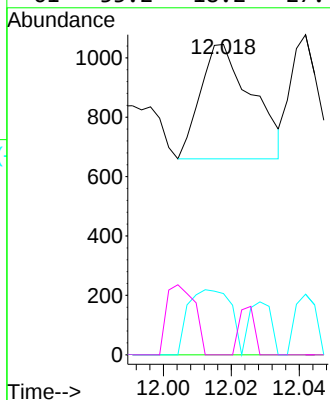
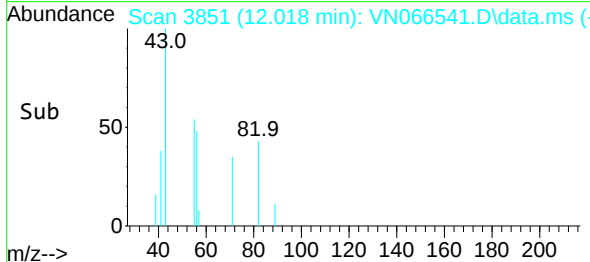


#74
N-amy1 acetate
Concen: 12.79 ug/l
RT: 12.018 min Scan# 3851
Delta R.T. -0.000 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

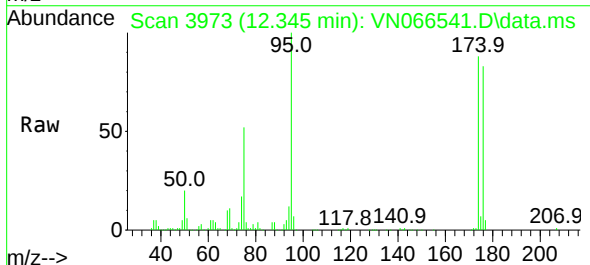
Instrument :
MSVOA_N
ClientSampled :



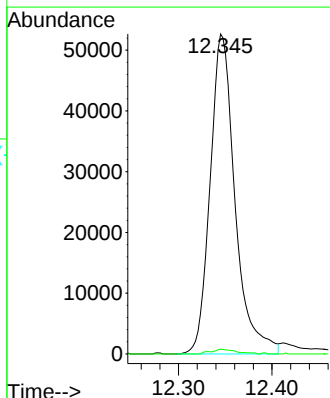
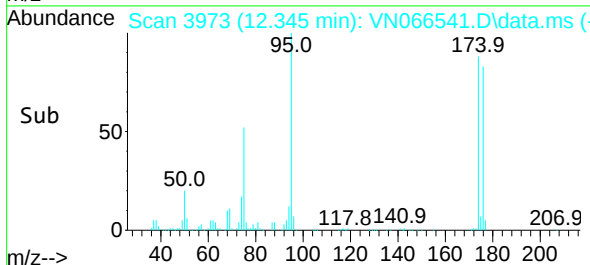
Tgt Ion: 43 Resp: 404
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 46.8 18.6 28.0#
61 33.2 18.2 27.4#

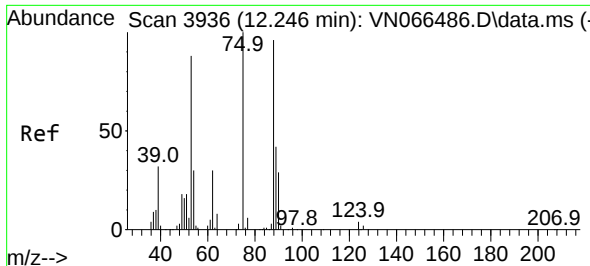


#76
1,2,3-Trichloropropane
Concen: 21.33 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.150 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13



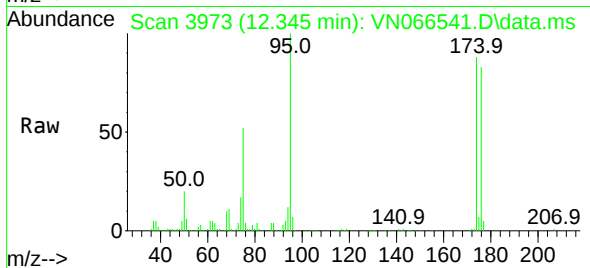
Tgt Ion: 75 Resp: 97627
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



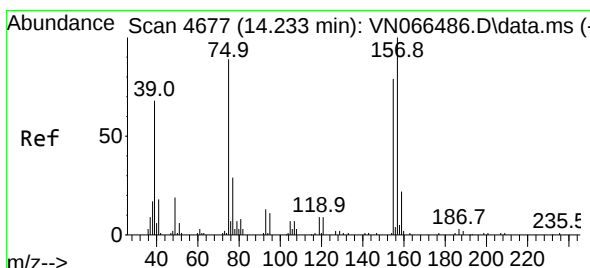
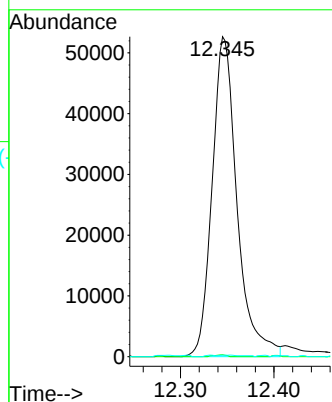
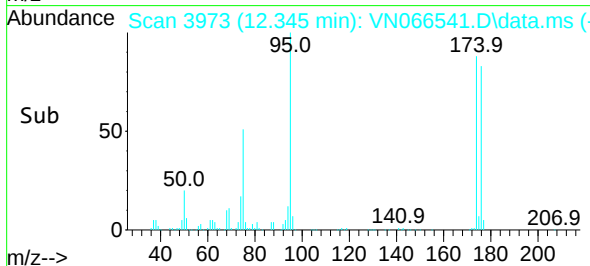


#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.52 ug/l
 RT: 12.345 min Scan# 3973
 Delta R.T. 0.099 min
 Lab File: VN066541.D
 Acq: 8 Apr 2021 15:13

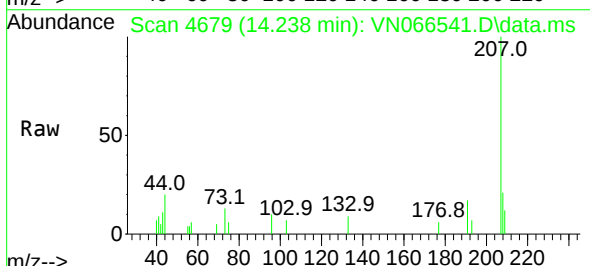
Instrument :
 MSVOA_N
 ClientSampleId :



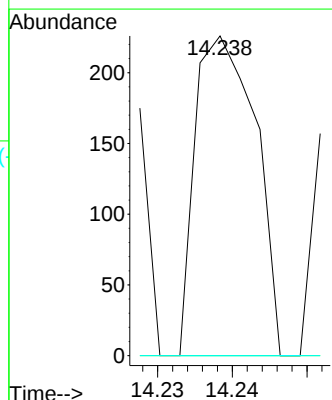
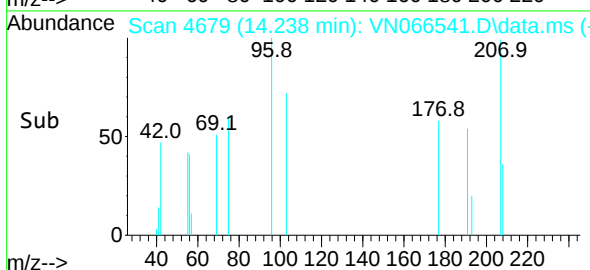
Tgt Ion: 75 Resp: 97627
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.1 114.1#
 89 0.1 35.7 53.5#

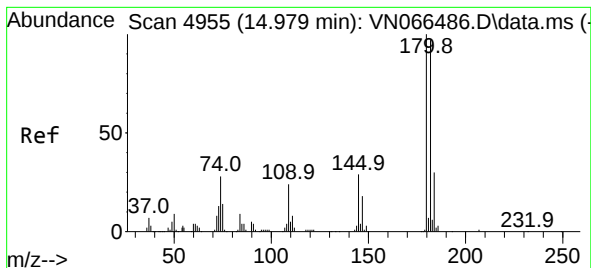


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.45 ug/l
 RT: 14.238 min Scan# 4679
 Delta R.T. 0.005 min
 Lab File: VN066541.D
 Acq: 8 Apr 2021 15:13



Tgt Ion: 75 Resp: 127
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.8 131.3#
 157 0.0 57.6 172.8#

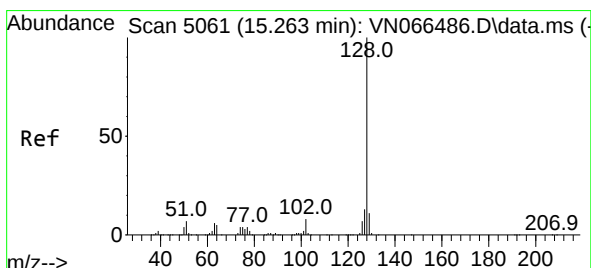
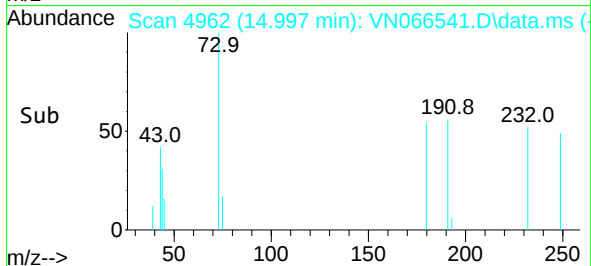
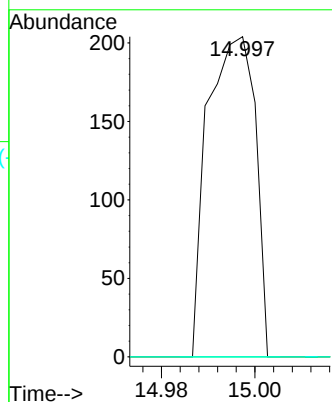
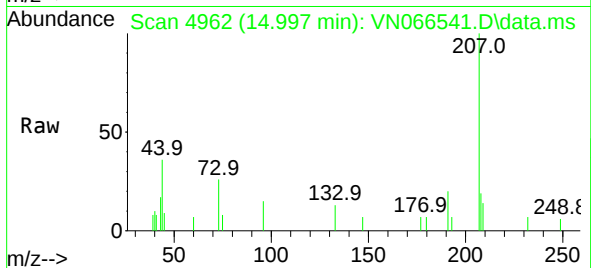




#93
1,2,4-Trichlorobenzene
Concen: 2.27 ug/l
RT: 14.997 min Scan# 4962
Delta R.T. 0.018 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

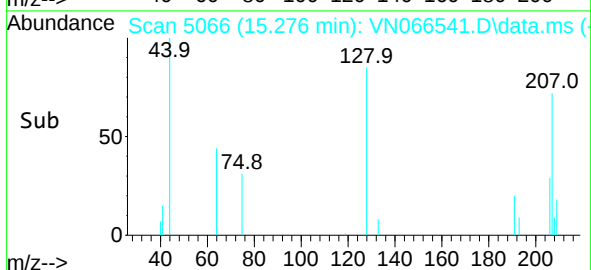
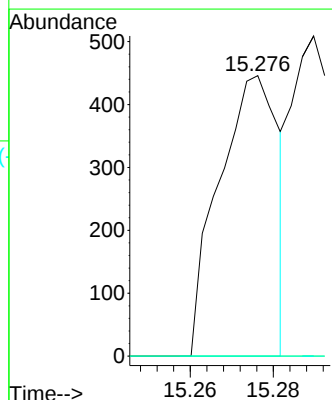
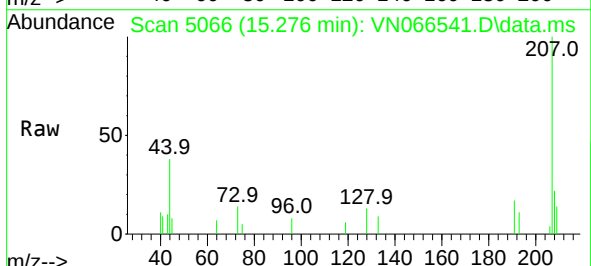
Instrument :
MSVOA_N
ClientSampled :

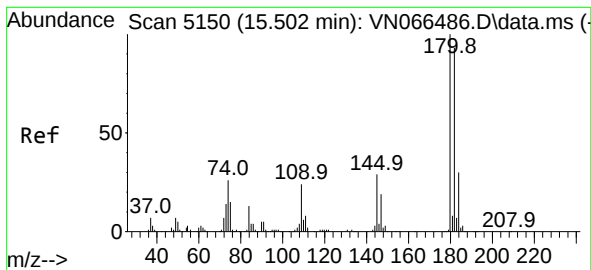
Tgt Ion:180 Resp: 145
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.3#
145 0.0 14.2 42.8#



#95
Naphthalene
Concen: 2.01 ug/l
RT: 15.276 min Scan# 5066
Delta R.T. 0.013 min
Lab File: VN066541.D
Acq: 8 Apr 2021 15:13

Tgt Ion:128 Resp: 442
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.5 12.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.64 ug/l
 RT: 15.502 min Scan# 5150
 Delta R.T. -0.000 min
 Lab File: VN066541.D
 Acq: 8 Apr 2021 15:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:180 Resp: 106
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.6 142.9#
 145 0.0 15.4 46.1#

