

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040821\
 Data File : VN066542.D
 Acq On : 8 Apr 2021 15:35
 Operator : JC/MD
 Sample : M1961-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 09 04:35:14 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)

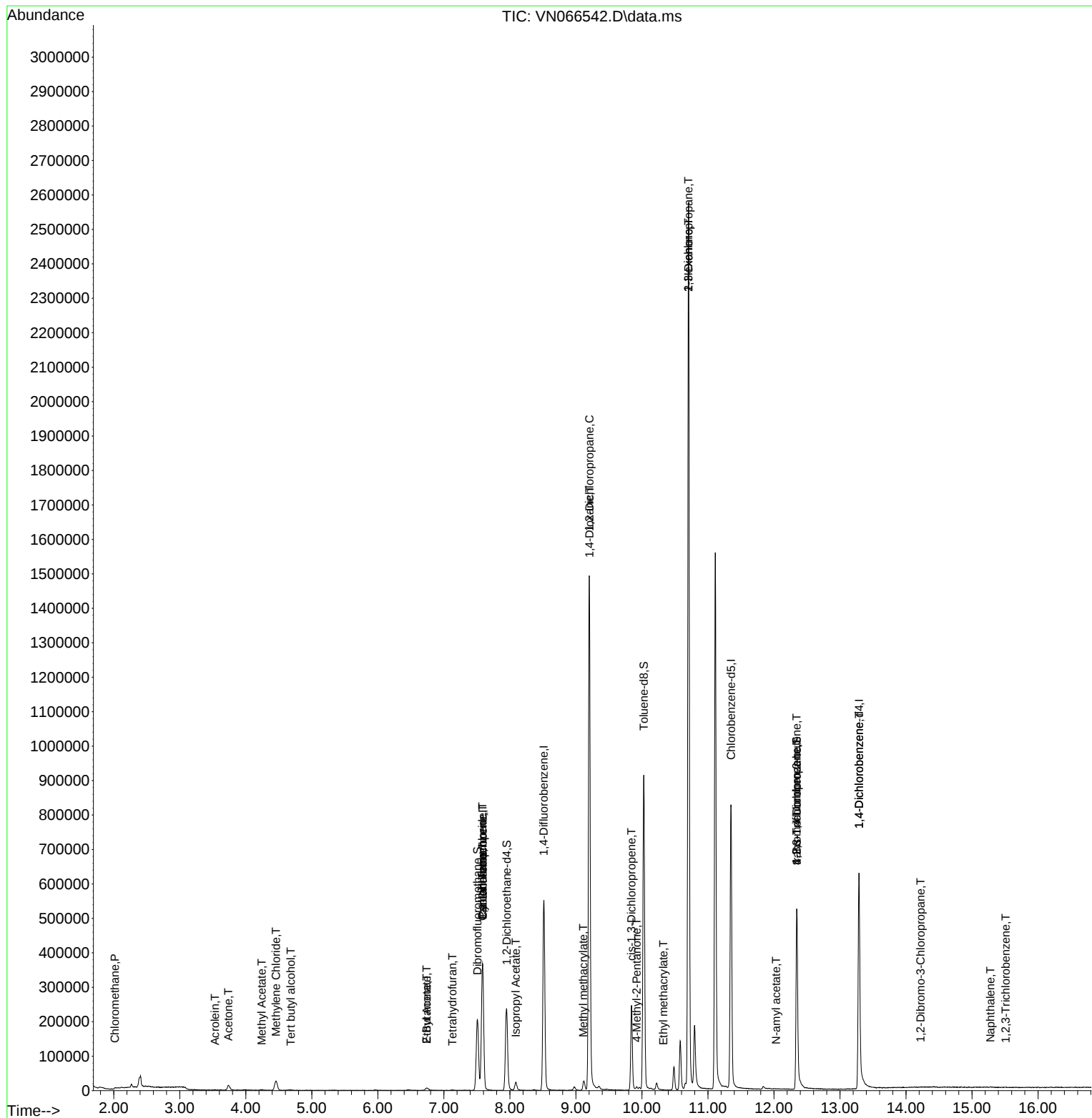
Internal Standards						
1) Pentafluorobenzene	7.587	168	312085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	479416	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	477800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	202306	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.952	65	205969	50.11	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.22%			
35) Dibromofluoromethane	7.509	113	160479	49.11	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.22%			
50) Toluene-d8	10.028	98	622775	50.16	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.32%			
62) 4-Bromofluorobenzene	12.345	95	193060	47.95	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.90%			
Target Compounds						Qvalue
3) Chloromethane	2.017	50	1119	0.24	ug/l	92
11) Tert butyl alcohol	4.682	59	1287	1.94	ug/l #	85
13) Acrolein	3.535	56	876	6.06	ug/l #	50
16) Acetone	3.736	43	23250	13.50	ug/l	98
18) Methyl Acetate	4.240	43	4235	0.98	ug/l #	71
20) Methylene Chloride	4.460	84	20078	5.43	ug/l	92
25) 2-Butanone	6.742	43	11263	4.36	ug/l	97
29) Tetrahydrofuran	7.131	42	1085	0.63	ug/l #	54
31) Cyclohexane	7.587	56	6446	1.14	ug/l #	1
36) 1,1-Dichloropropene	7.587	75	23419	5.03	ug/l #	47
37) Ethyl Acetate	6.742	43	11263	1.95	ug/l #	69
38) Carbon Tetrachloride	7.584	117	27342	5.79	ug/l #	16
43) Isopropyl Acetate	8.091	43	26932	3.02	ug/l	98
45) 1,2-Dichloropropane	9.204	63	1870	0.48	ug/l #	43
48) Methyl methacrylate	9.113	41	6933	1.75	ug/l #	12
49) 1,4-Dioxane	9.207	88	78	1.45	ug/l #	1
51) 4-Methyl-2-Pentanone	9.920	43	5863	1.11	ug/l	100
54) cis-1,3-Dichloropropene	9.843	75	43234	7.27	ug/l #	61
56) Ethyl methacrylate	10.325	69	167	3.75	ug/l #	22
57) 1,3-Dichloropropane	10.706	76	25300	4.23	ug/l #	42
59) 2-Hexanone	10.706	43	364509	96.51	ug/l #	53
74) N-amyl acetate	12.034	43	405	12.79	ug/l #	66
76) 1,2,3-Trichloropropane	12.345	75	100271	21.97	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	100271	61.16	ug/l #	12
88) 1,4-Dichlorobenzene	13.289	146	24	1.00	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.222	75	51	0.38	ug/l #	1
95) Naphthalene	15.279	128	378	2.00	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.512	180	49	1.63	ug/l #	12

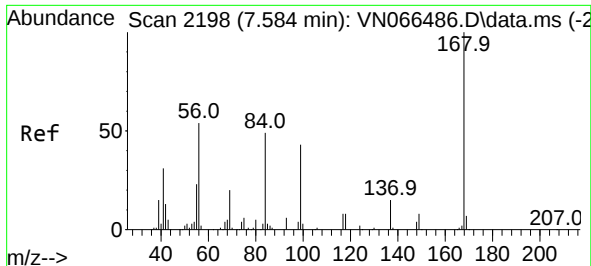
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040821\
Data File : VN066542.D
Acq On : 8 Apr 2021 15:35
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Sample : M1961-15
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

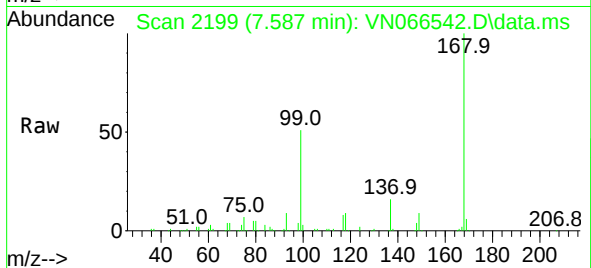
Quant Time: Apr 09 04:35:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 06 15:38:34 2021
Response via : Initial Calibration



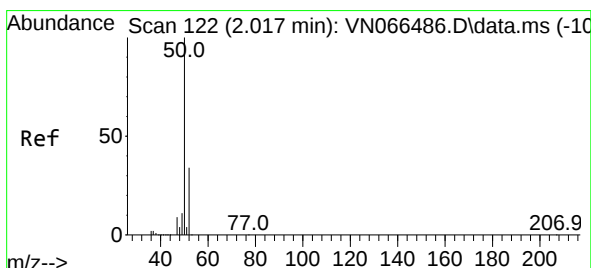
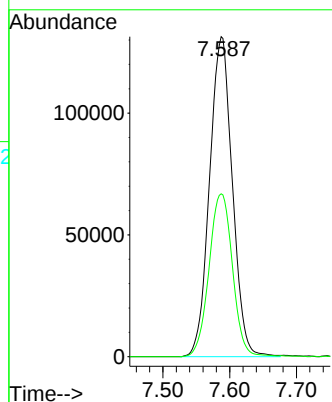
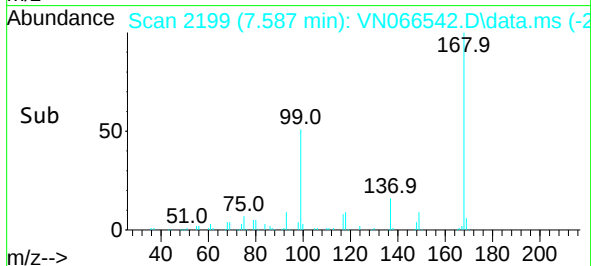


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.003 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

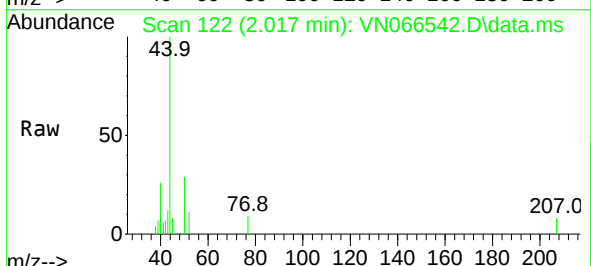
Instrument :
MSVOA_N
ClientSampled :



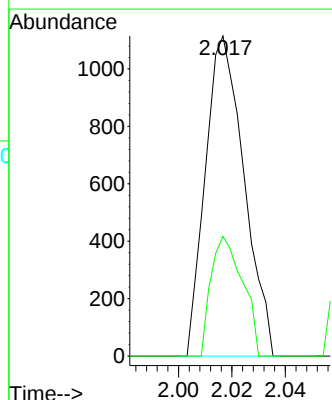
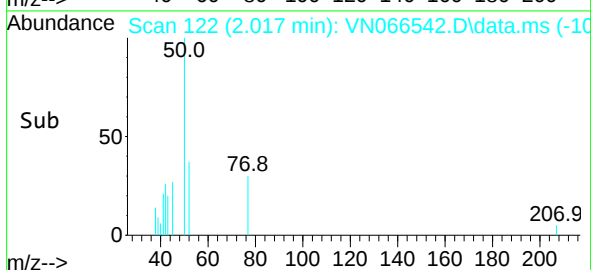
Tgt Ion:168 Resp: 312085
Ion Ratio Lower Upper
168 100
99 50.9 41.1 61.7

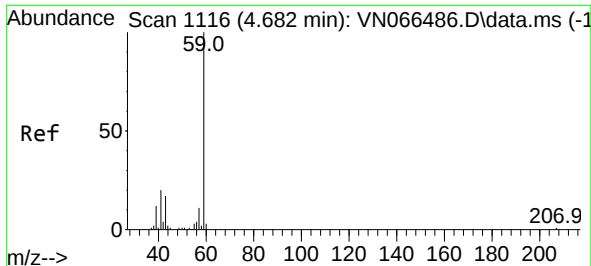


#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35



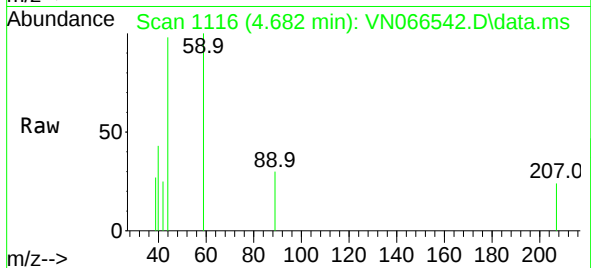
Tgt Ion: 50 Resp: 1119
Ion Ratio Lower Upper
50 100
52 37.4 26.2 39.2



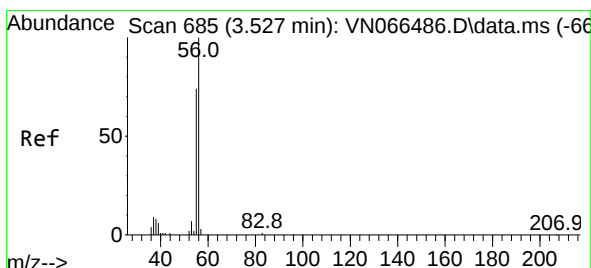
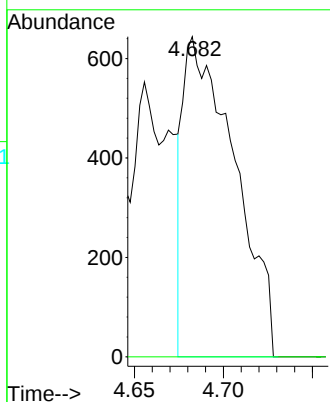
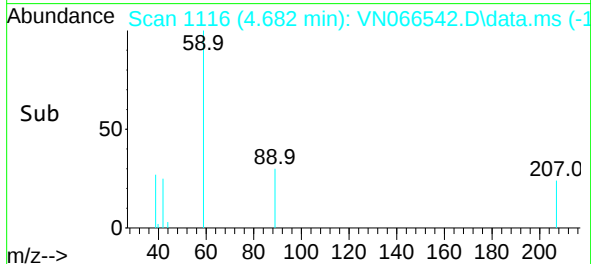


#11
Tert butyl alcohol
Concen: 1.94 ug/l
RT: 4.682 min Scan# 1116
Delta R.T. 0.000 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

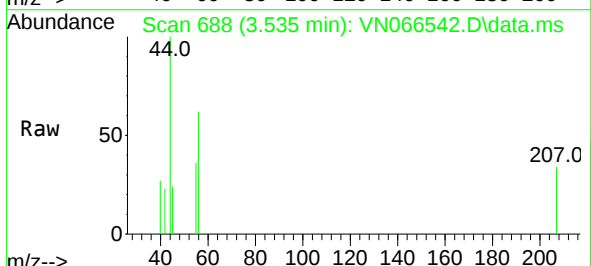
Instrument :
MSVOA_N
ClientSampled :



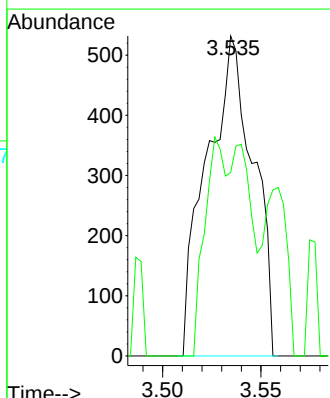
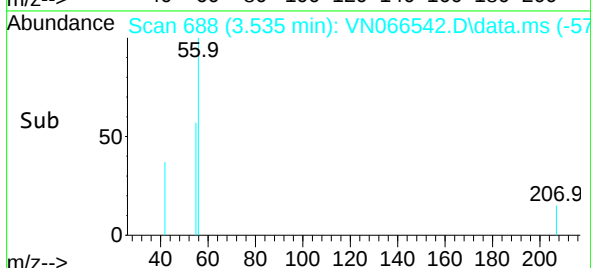
Tgt Ion: 59 Resp: 1287
Ion Ratio Lower Upper
59 100
57 0.0 4.1 6.1#

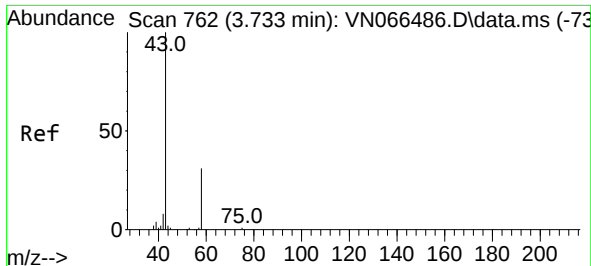


#13
Acrolein
Concen: 6.06 ug/l
RT: 3.535 min Scan# 688
Delta R.T. 0.008 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35



Tgt Ion: 56 Resp: 876
Ion Ratio Lower Upper
56 100
55 30.6 57.9 86.9#

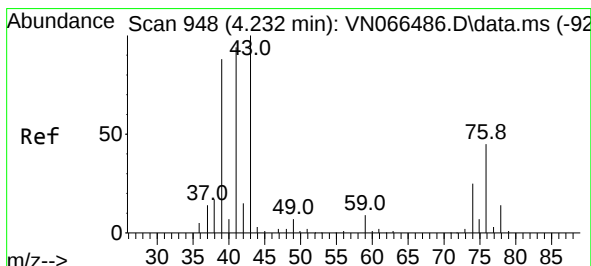
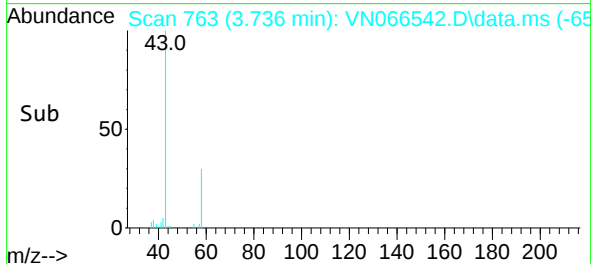
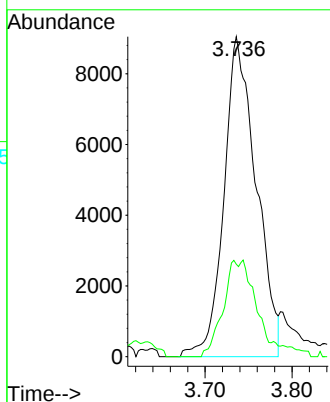
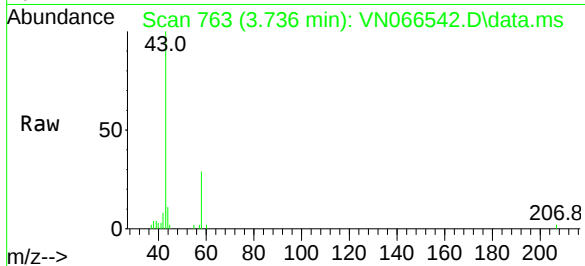




#16
Acetone
Concen: 13.50 ug/l
RT: 3.736 min Scan# 763
Delta R.T. 0.003 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

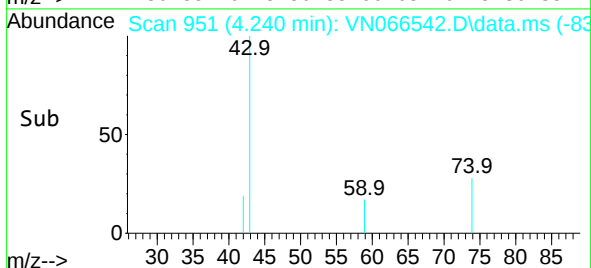
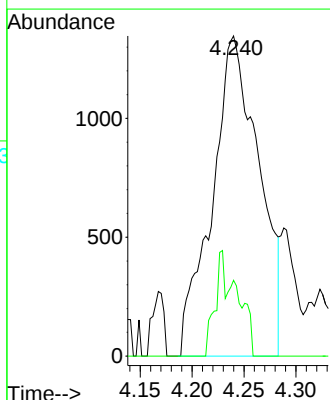
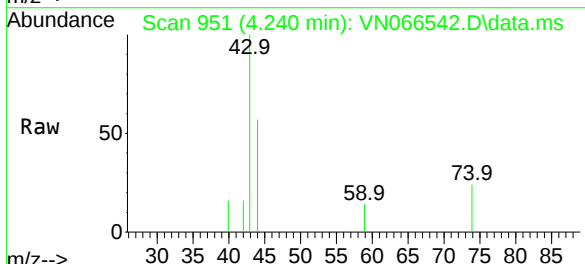
Instrument :
MSVOA_N
ClientSampled :

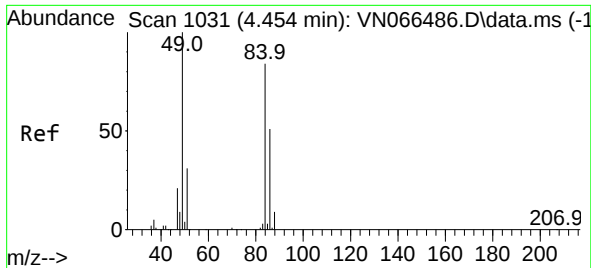
Tgt Ion: 43 Resp: 23250
Ion Ratio Lower Upper
43 100
58 28.9 23.8 35.8



#18
Methyl Acetate
Concen: 0.98 ug/l
RT: 4.240 min Scan# 951
Delta R.T. 0.008 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

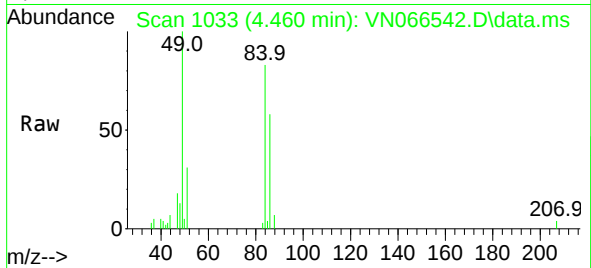
Tgt Ion: 43 Resp: 4235
Ion Ratio Lower Upper
43 100
74 8.0 17.6 26.4#



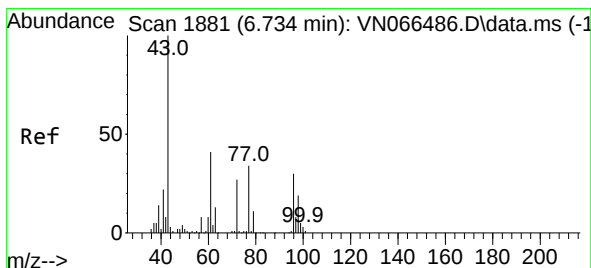
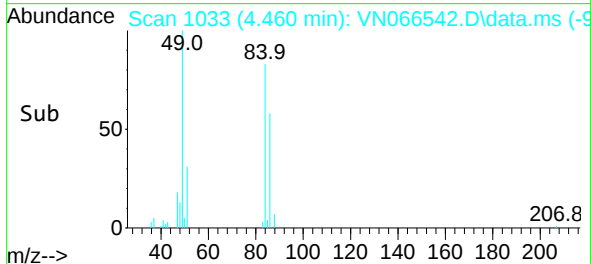
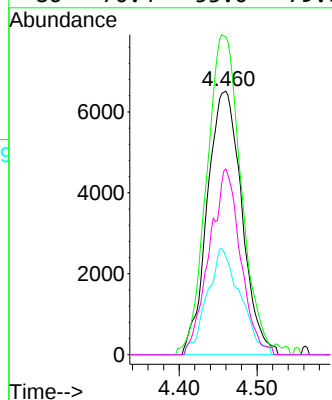


#20
Methylene Chloride
Concen: 5.43 ug/l
RT: 4.460 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

Instrument :
MSVOA_N
ClientSampleId :

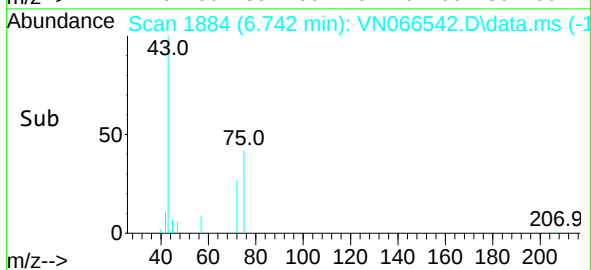
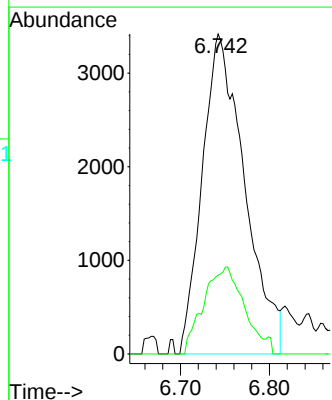
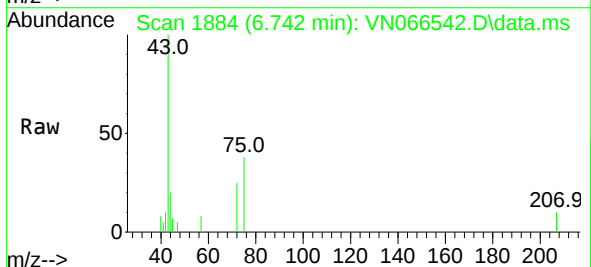


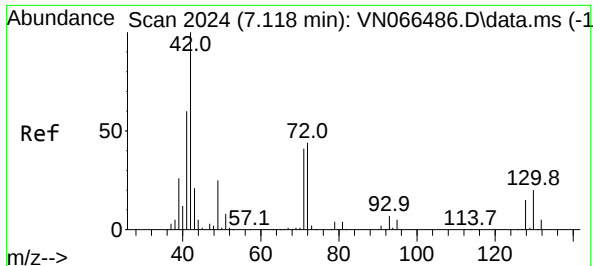
Tgt Ion: 84	Resp: 20078
Ion Ratio	Lower Upper
84 100	
49 117.9	105.0 157.6
51 37.2	31.6 47.4
86 70.4	53.0 79.6



#25
2-Butanone
Concen: 4.36 ug/l
RT: 6.742 min Scan# 1884
Delta R.T. 0.008 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

Tgt Ion: 43	Resp: 11263
Ion Ratio	Lower Upper
43 100	
72 24.6	20.7 31.1

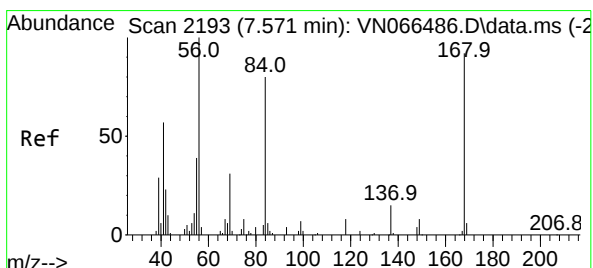
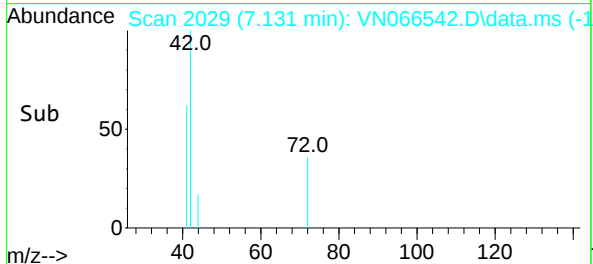
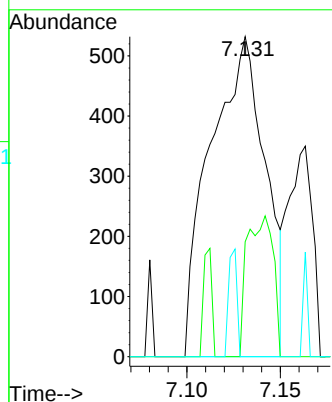
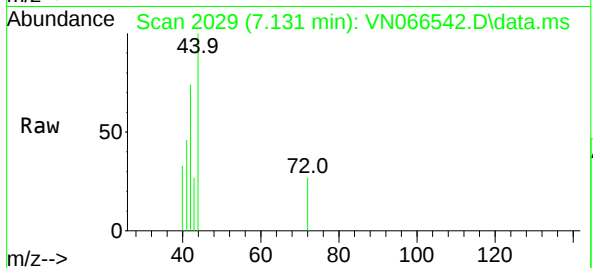




#29
Tetrahydrofuran
Concen: 0.63 ug/l
RT: 7.131 min Scan# 2029
Delta R.T. 0.013 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

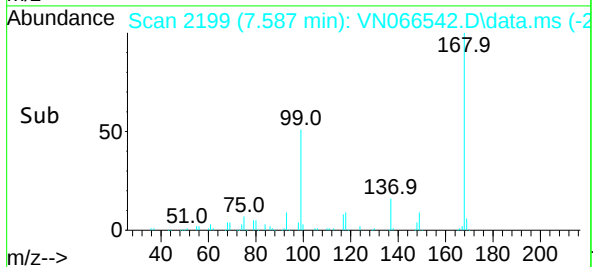
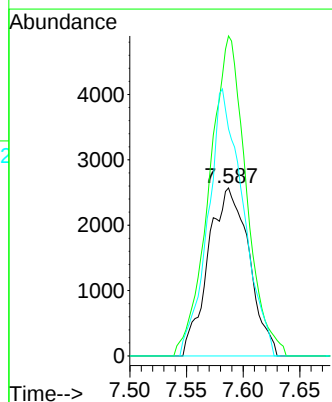
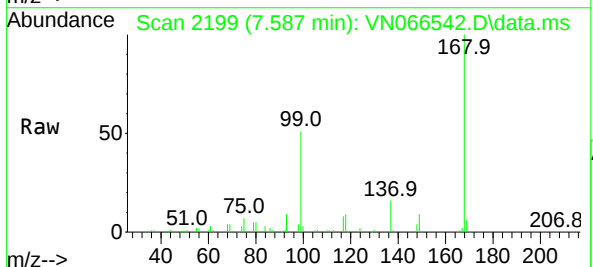
Instrument :
MSVOA_N
ClientSampled :

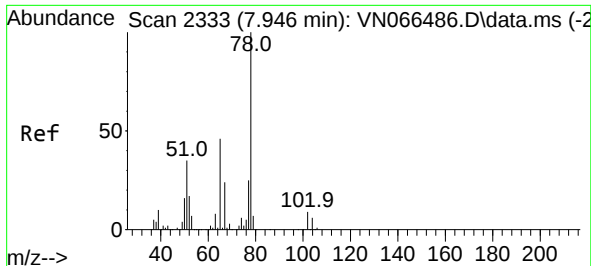
Tgt Ion: 42 Resp: 1085
Ion Ratio Lower Upper
42 100
72 20.9 35.2 52.8#
71 5.1 33.1 49.7#



#31
Cyclohexane
Concen: 1.14 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.016 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

Tgt Ion: 56 Resp: 6446
Ion Ratio Lower Upper
56 100
69 183.3 26.6 40.0#
84 135.2 68.7 103.1#

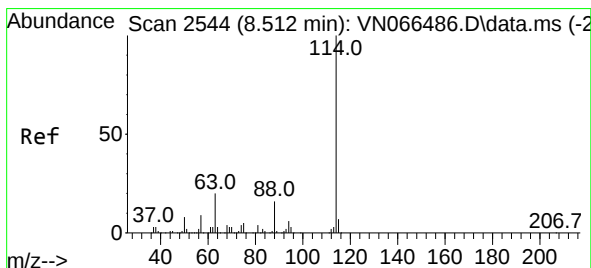
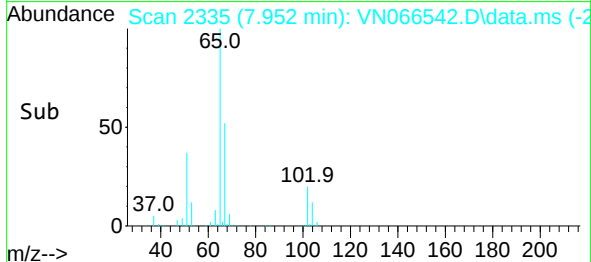
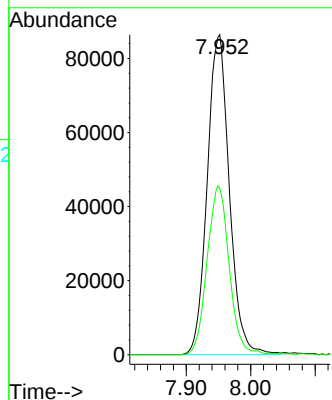
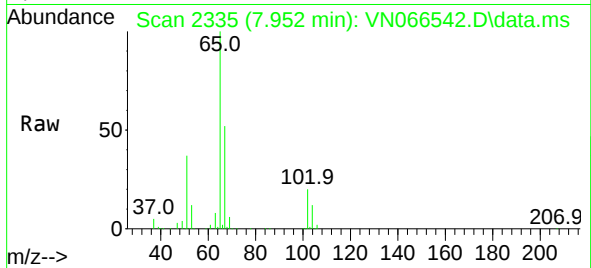




#33
1,2-Dichloroethane-d4
Concen: 50.11 ug/l
RT: 7.952 min Scan# 2335
Delta R.T. 0.006 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

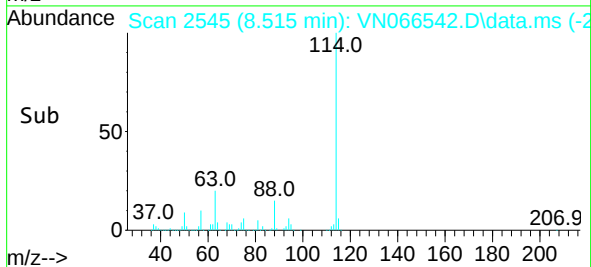
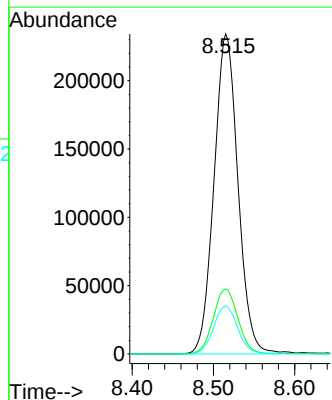
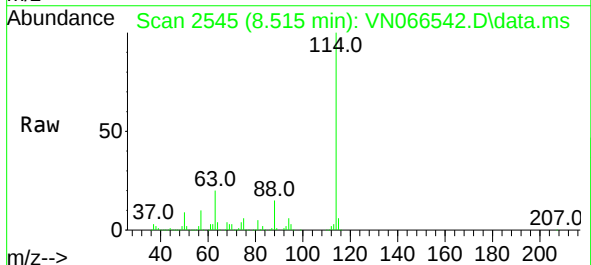
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MSVOA_N
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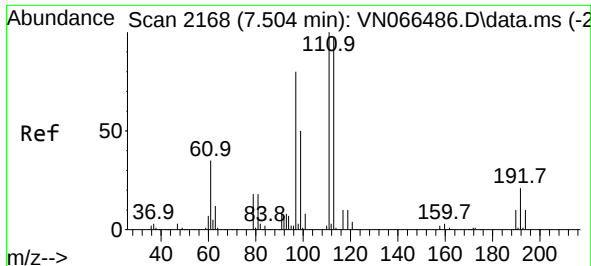
Tgt Ion: 65 Resp: 205969
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.003 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

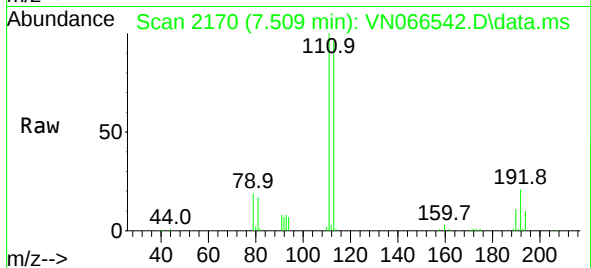
Tgt Ion: 114 Resp: 479416
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.0
88 15.0 0.0 31.0



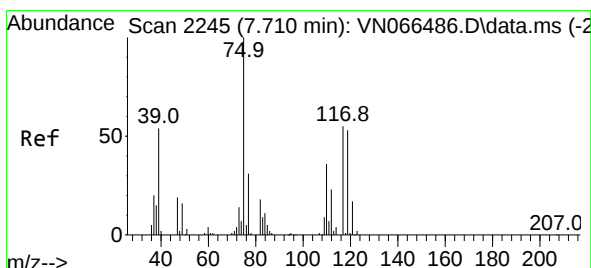
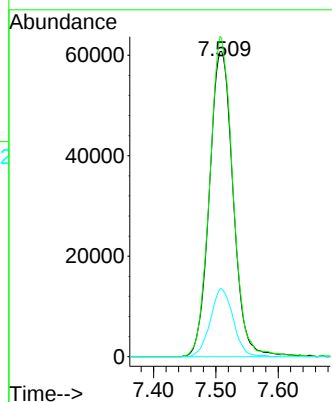
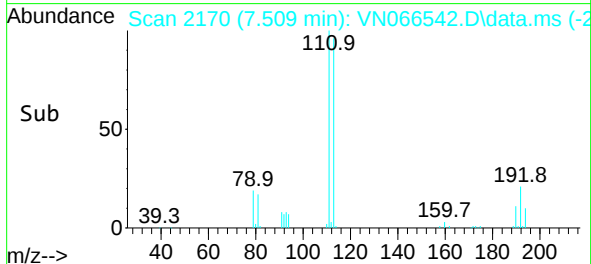


#35
Dibromofluoromethane
Concen: 49.11 ug/l
RT: 7.509 min Scan# 2170
Delta R.T. 0.005 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

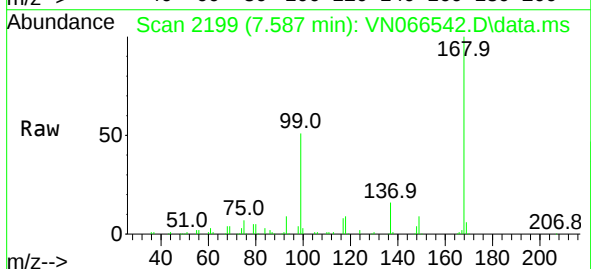
Instrument :
MSVOA_N
ClientSampleId :



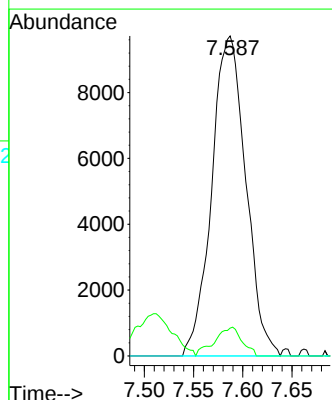
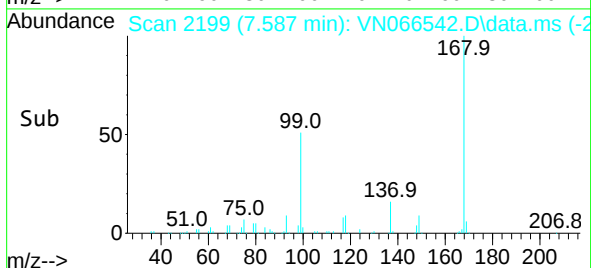
Tgt Ion:113 Resp: 160479
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.8
192 21.4 17.1 25.7

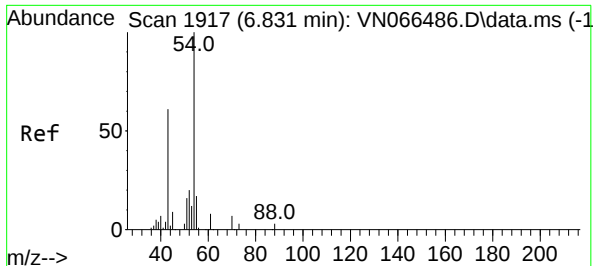


#36
1,1-Dichloropropene
Concen: 5.03 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.123 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35



Tgt Ion: 75 Resp: 23419
Ion Ratio Lower Upper
75 100
110 7.2 18.1 54.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.95 ug/l

RT: 6.742 min Scan# 1884

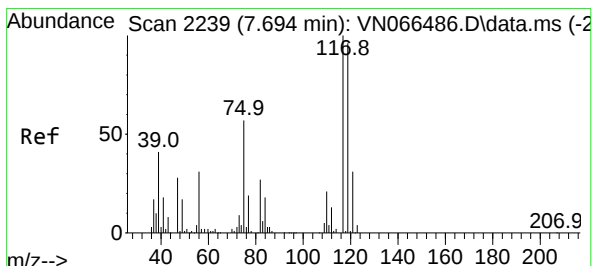
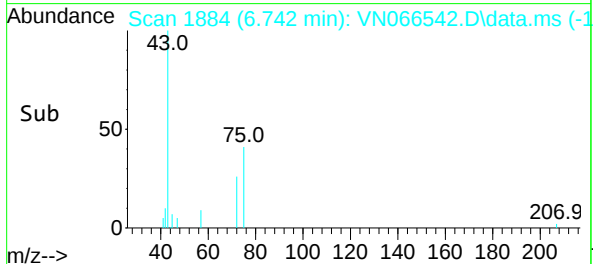
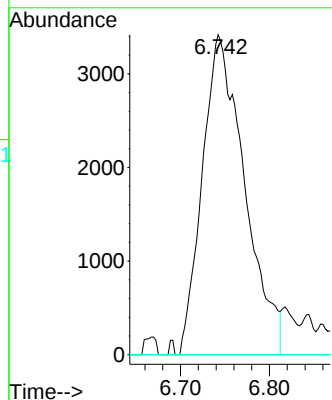
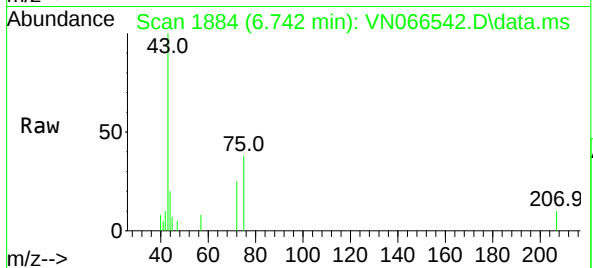
Delta R.T. -0.089 min

Lab File: VN066542.D

Acq: 8 Apr 2021 15:35

Tgt Ion:	43	Resp:	11263
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: 5.79 ug/l

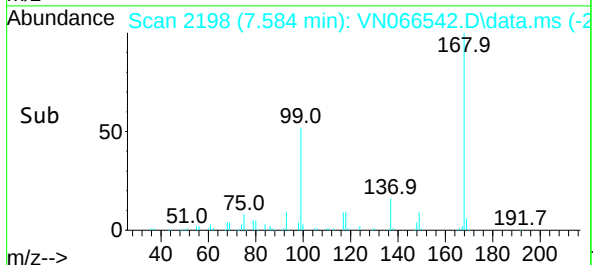
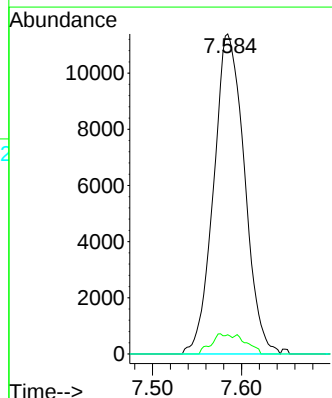
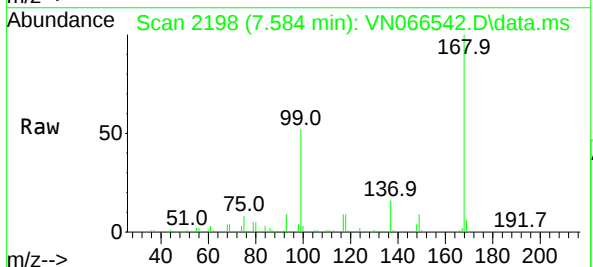
RT: 7.584 min Scan# 2198

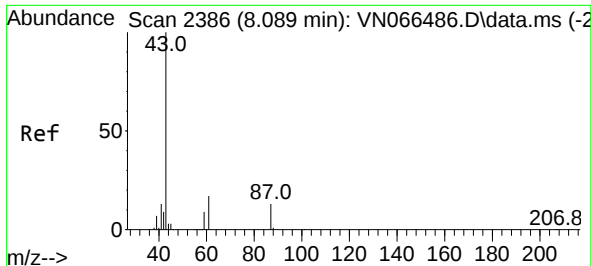
Delta R.T. -0.110 min

Lab File: VN066542.D

Acq: 8 Apr 2021 15:35

Tgt Ion:	117	Resp:	27342
Ion	Ratio	Lower	Upper
117	100		
119	6.0	77.2	115.8#
121	0.0	24.2	36.4#





#43

Isopropyl Acetate

Concen: 3.02 ug/l

RT: 8.091 min Scan# 2387

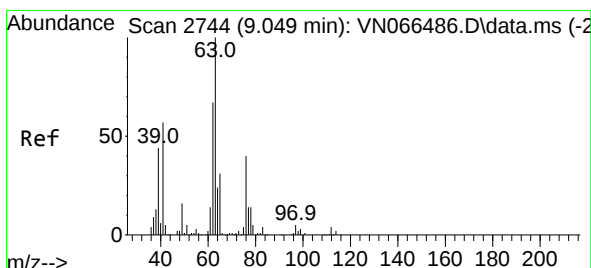
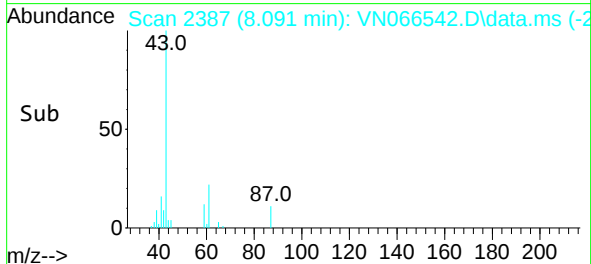
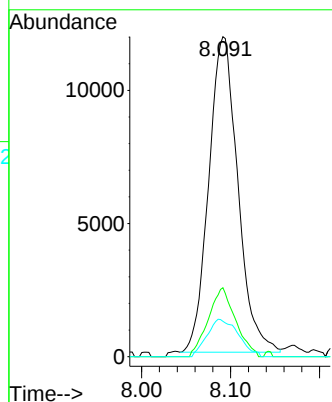
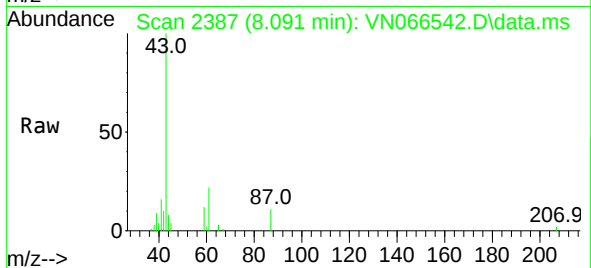
Delta R.T. 0.002 min

Lab File: VN066542.D

Acq: 8 Apr 2021 15:35

Tgt Ion:	43	Resp:	26932
Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.5	23.3
87	12.8	10.5	15.7

Instrument :
MSVOA_N
ClientSampled :



#45

1,2-Dichloropropane

Concen: 0.48 ug/l

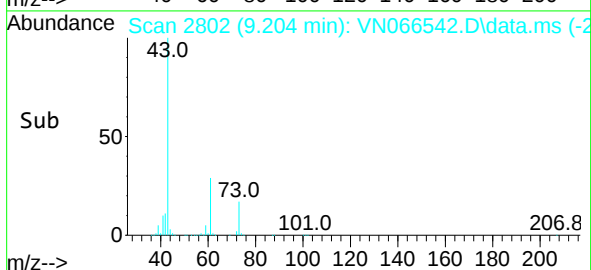
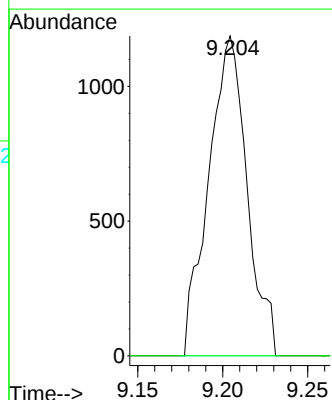
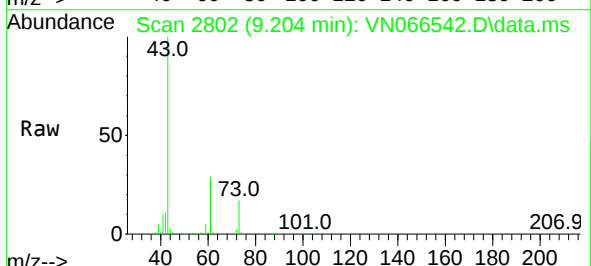
RT: 9.204 min Scan# 2802

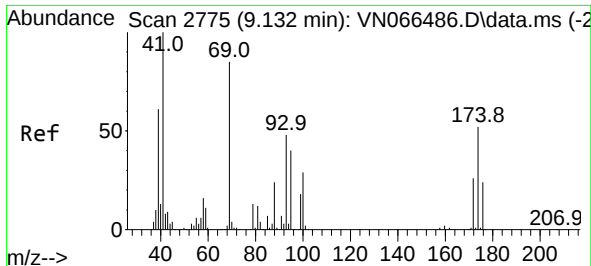
Delta R.T. 0.155 min

Lab File: VN066542.D

Acq: 8 Apr 2021 15:35

Tgt Ion:	63	Resp:	1870
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.5	38.3#

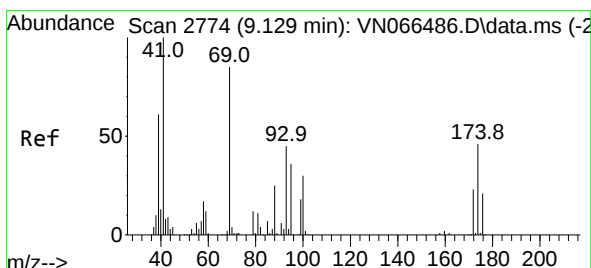
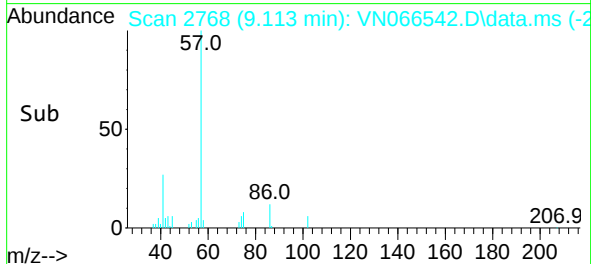
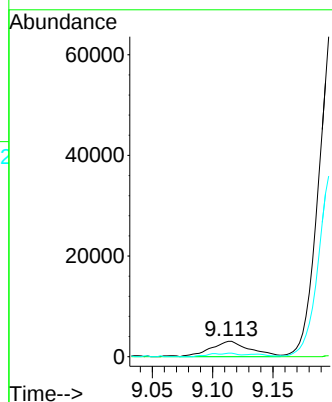
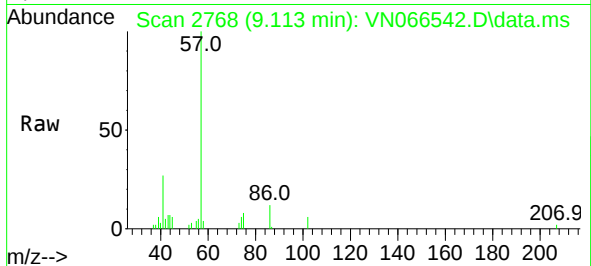




#48
Methyl methacrylate
Concen: 1.75 ug/l
RT: 9.113 min Scan# 2768
Delta R.T. -0.019 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

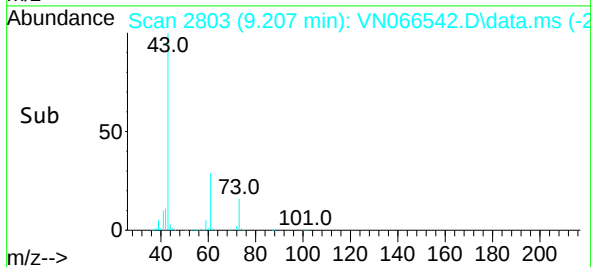
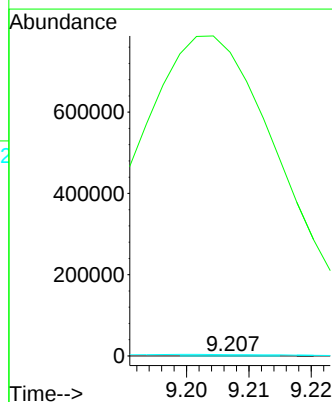
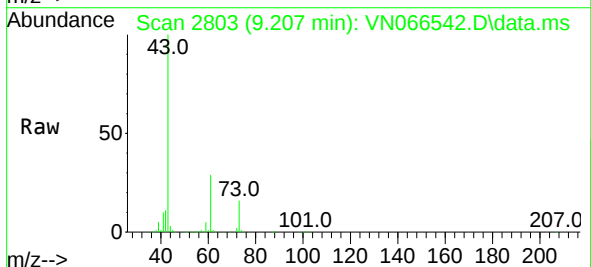
Instrument :
MSVOA_N
ClientSampleId :

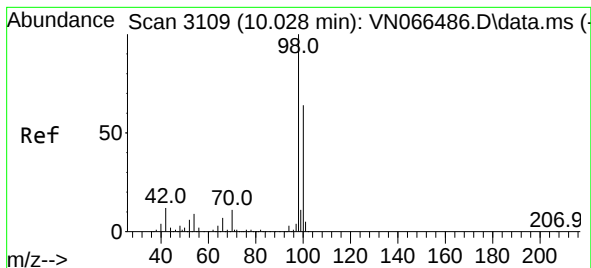
Tgt Ion: 41 Resp: 6933
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



#49
1,4-Dioxane
Concen: 1.45 ug/l
RT: 9.207 min Scan# 2803
Delta R.T. 0.078 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

Tgt Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 1892503.8 28.2 42.4#
58 10371.8 56.6 84.8#

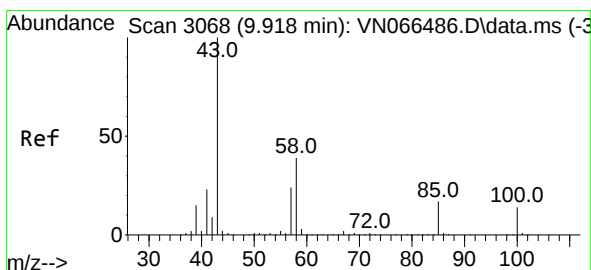
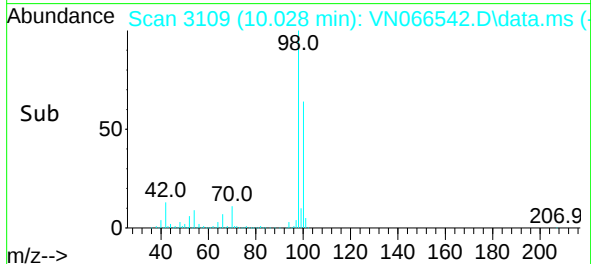
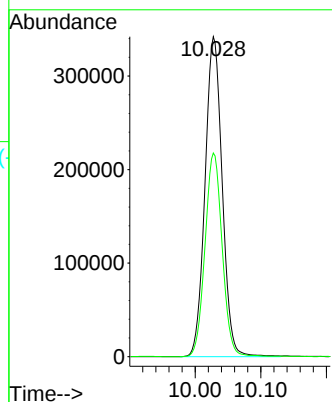
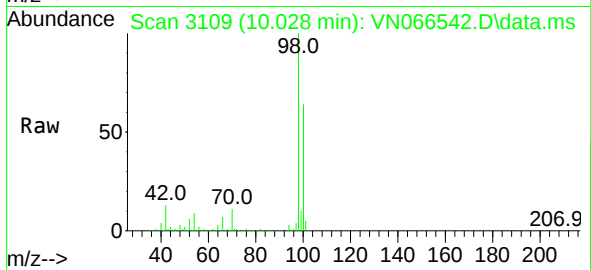




#50
Toluene-d8
Concen: 50.16 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

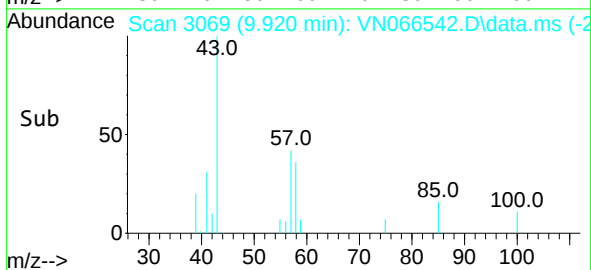
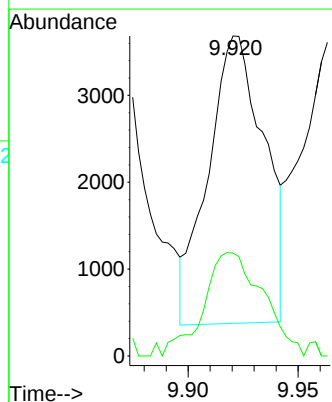
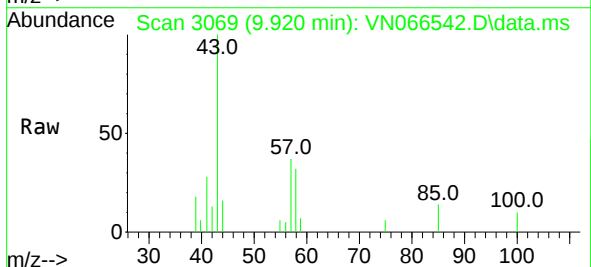
Instrument :
MSVOA_N
ClientSampled :

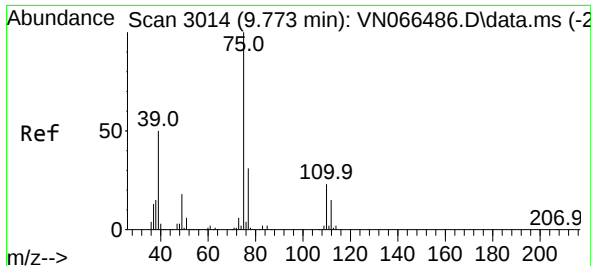
Tgt Ion: 98 Resp: 622775
Ion Ratio Lower Upper
98 100
100 63.6 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.11 ug/l
RT: 9.920 min Scan# 3069
Delta R.T. 0.002 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

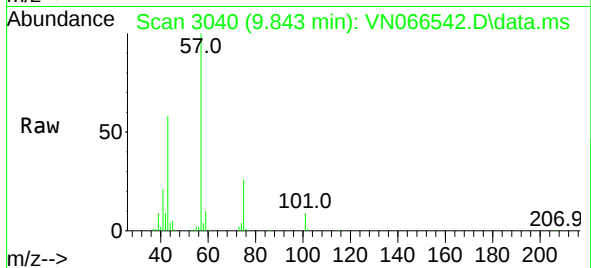
Tgt Ion: 43 Resp: 5863
Ion Ratio Lower Upper
43 100
58 38.4 30.8 46.2



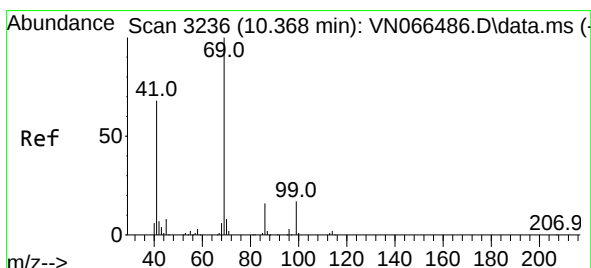
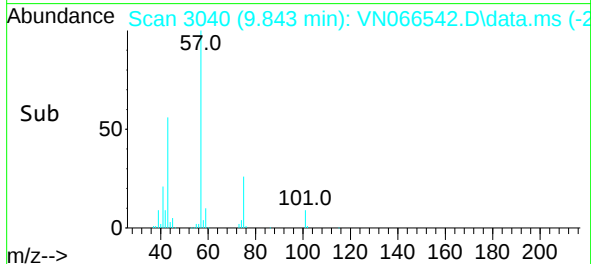
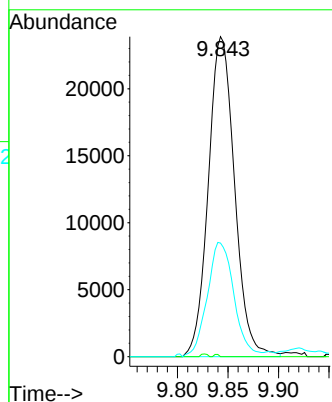


#54
cis-1,3-Dichloropropene
Concen: 7.27 ug/l
RT: 9.843 min Scan# 3040
Delta R.T. 0.070 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

Instrument :
MSVOA_N
ClientSampled :

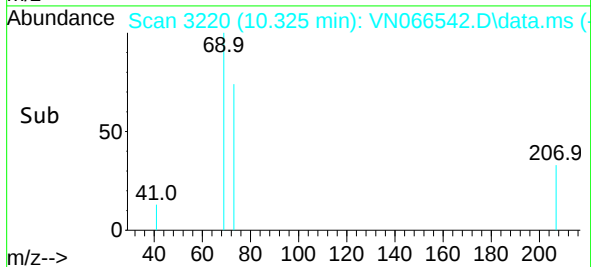
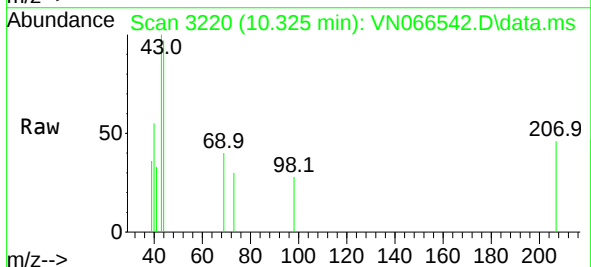
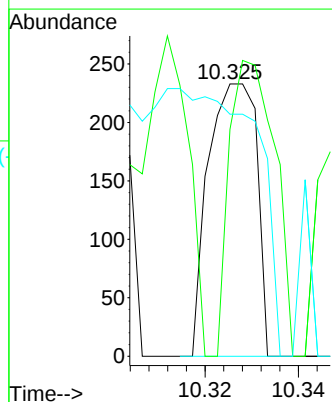


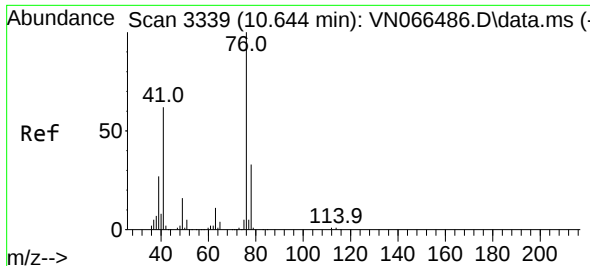
Tgt Ion: 75 Resp: 43234
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
39 34.7 44.2 66.4#



#56
Ethyl methacrylate
Concen: 3.75 ug/l
RT: 10.325 min Scan# 3220
Delta R.T. -0.043 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

Tgt Ion: 69 Resp: 167
Ion Ratio Lower Upper
69 100
41 0.0 55.3 82.9#
39 0.0 33.8 50.6#

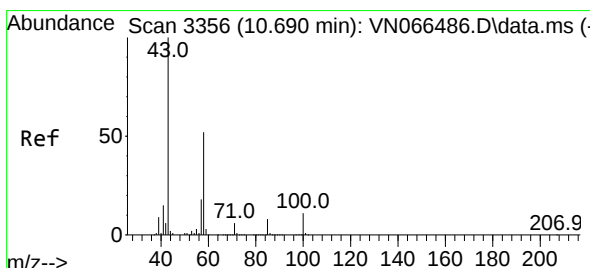
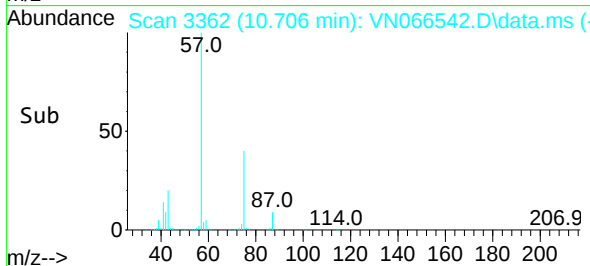
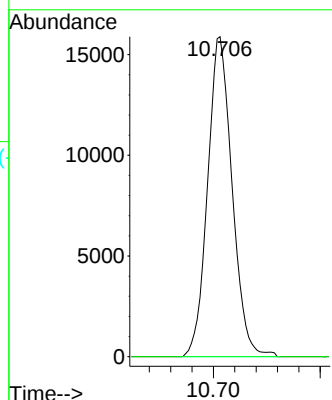
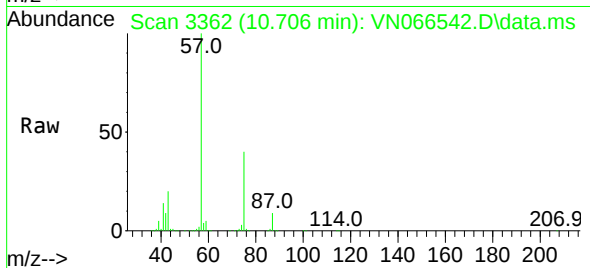




#57
1,3-Dichloropropane
Concen: 4.23 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.062 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

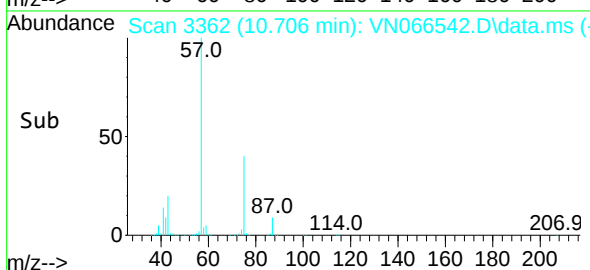
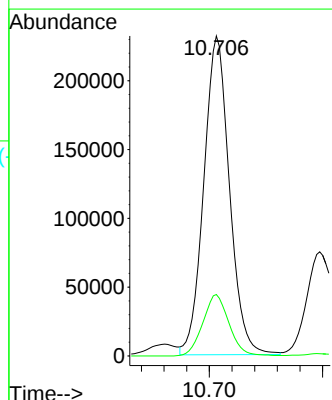
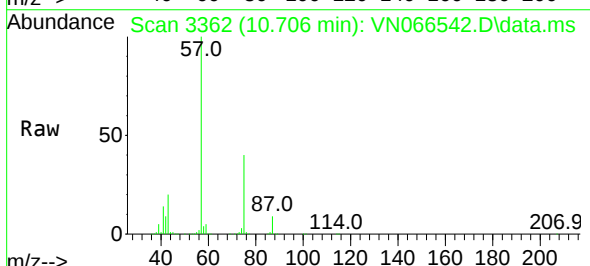
Instrument :
MSVOA_N
ClientSampled :

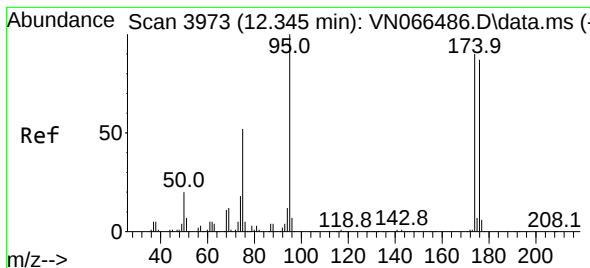
Tgt Ion: 76 Resp: 25300
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#



#59
2-Hexanone
Concen: 96.51 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.016 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

Tgt Ion: 43 Resp: 364509
Ion Ratio Lower Upper
43 100
58 19.7 26.6 79.8#

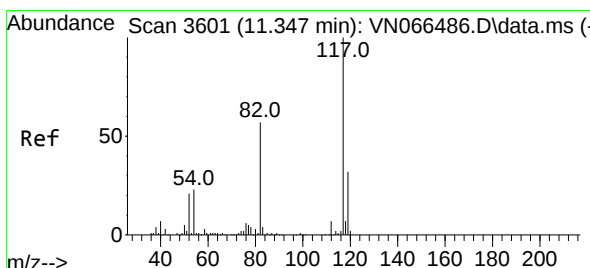
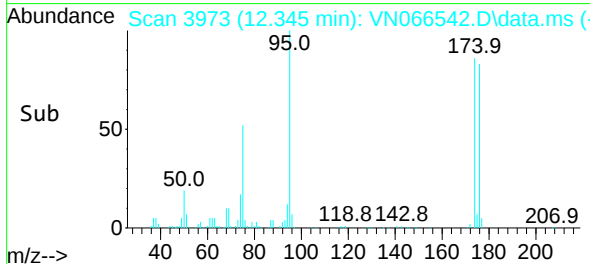
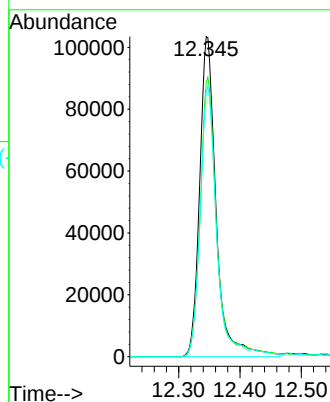
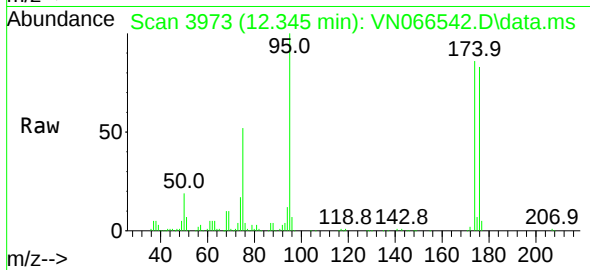




#62
4-Bromofluorobenzene
Concen: 47.95 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.000 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

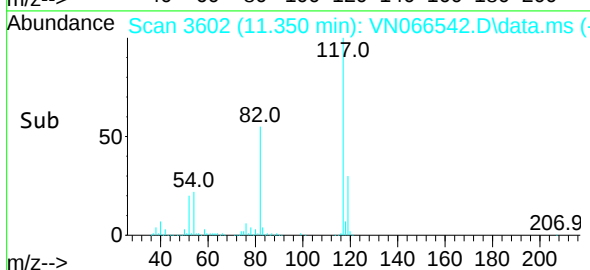
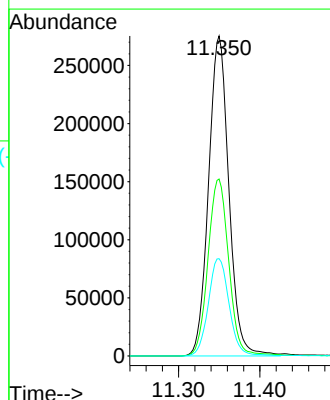
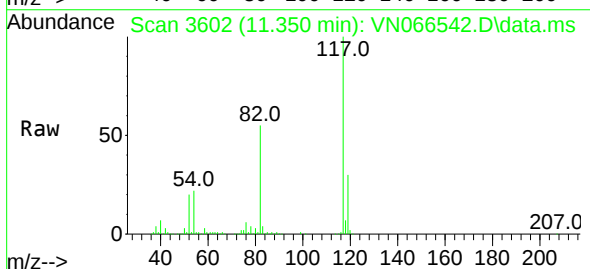
Instrument :
MSVOA_N
ClientSampleId :

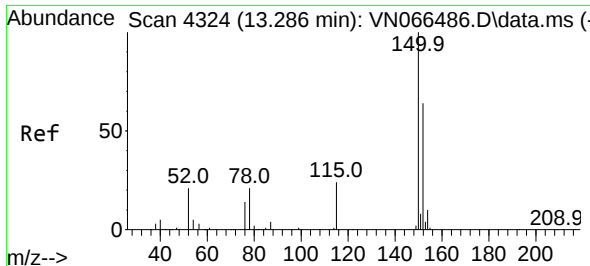
Tgt Ion: 95 Resp: 193060
Ion Ratio Lower Upper
95 100
174 88.1 0.0 172.2
176 82.9 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

Tgt Ion: 117 Resp: 477800
Ion Ratio Lower Upper
117 100
82 55.3 44.2 66.4
119 30.4 25.8 38.6

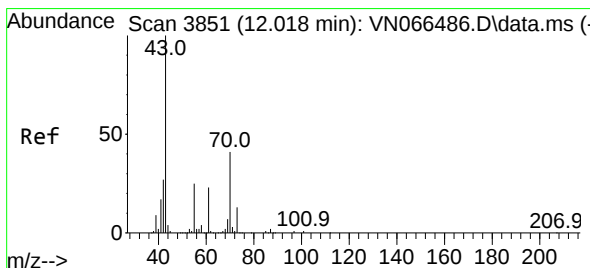
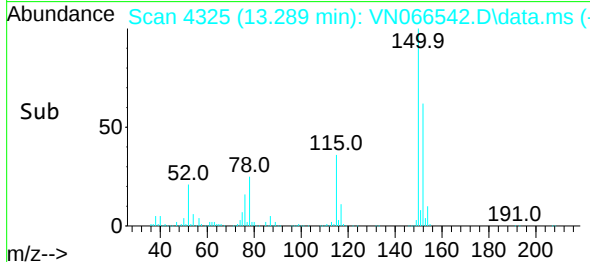
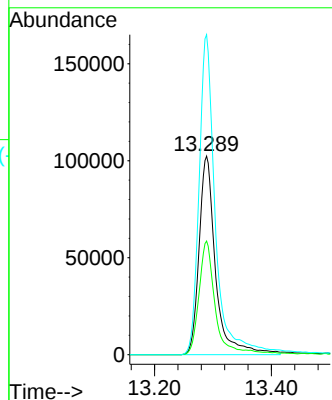
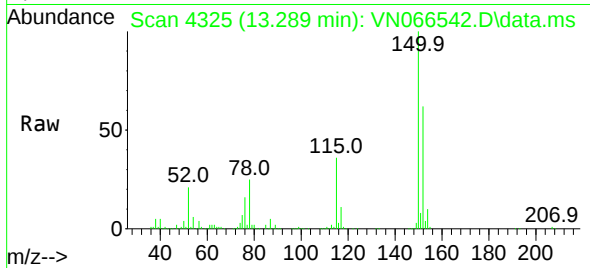




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

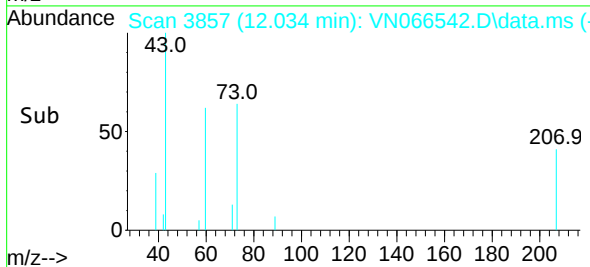
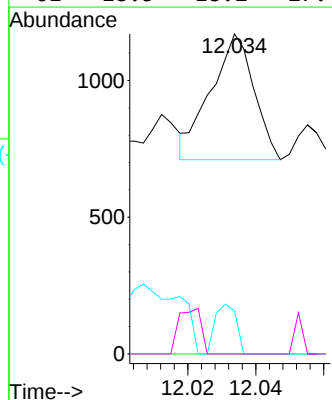
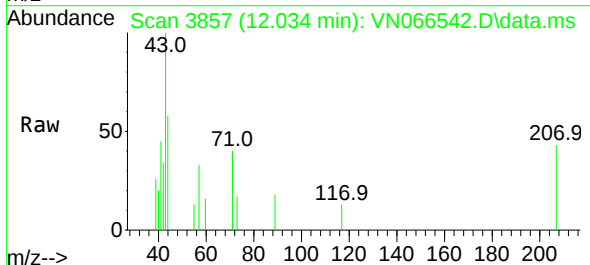
Instrument :
MSVOA_N
ClientSampleId :

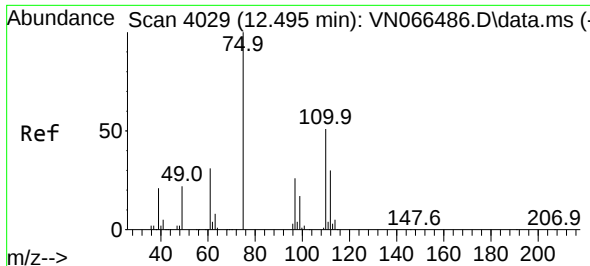
Tgt Ion:152 Resp: 202306
Ion Ratio Lower Upper
152 100
115 54.0 27.8 83.4
150 160.6 0.0 348.4



#74
N-ethyl acetate
Concen: 12.79 ug/l
RT: 12.034 min Scan# 3857
Delta R.T. 0.016 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

Tgt Ion: 43 Resp: 405
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 19.5 18.6 28.0
61 18.5 18.2 27.4

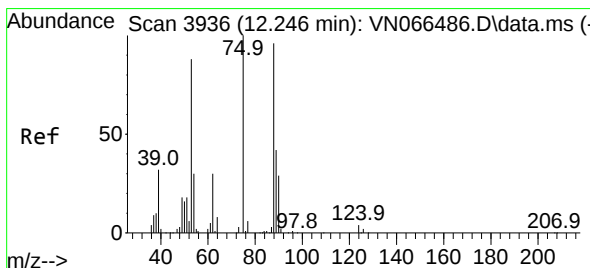
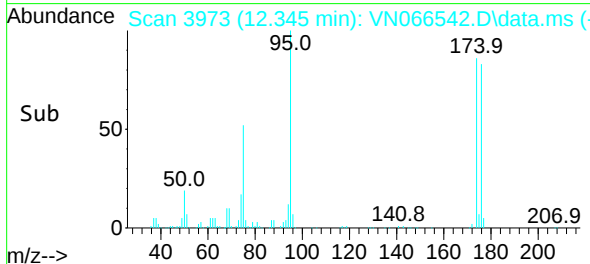
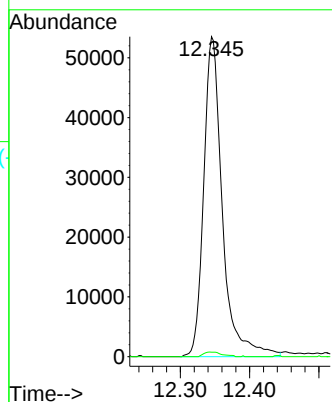
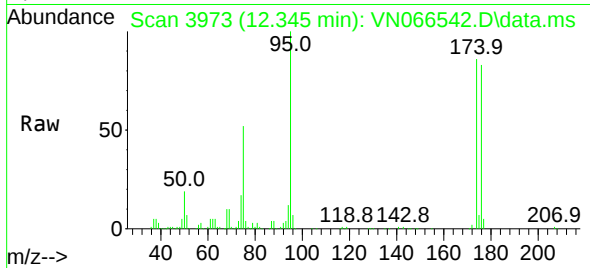




#76
1,2,3-Trichloropropane
Concen: 21.97 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.150 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

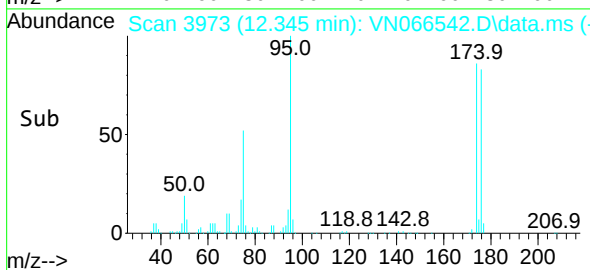
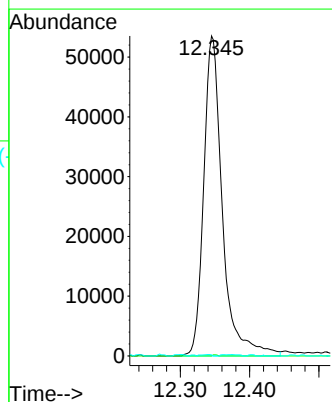
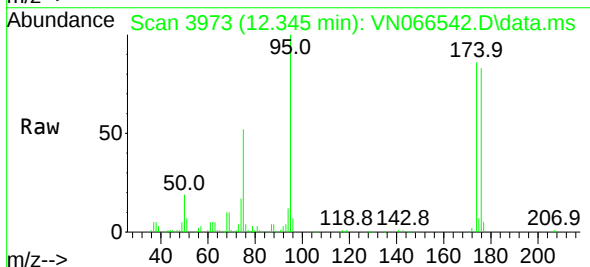
Instrument :
MSVOA_N
ClientSampled :

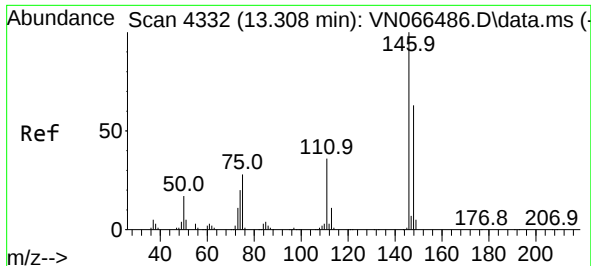
Tgt Ion: 75 Resp: 100271
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.16 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

Tgt Ion: 75 Resp: 100271
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.2 35.7 53.5#

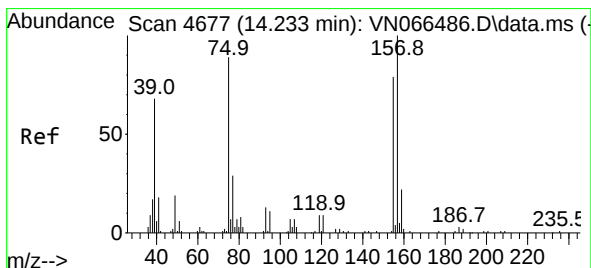
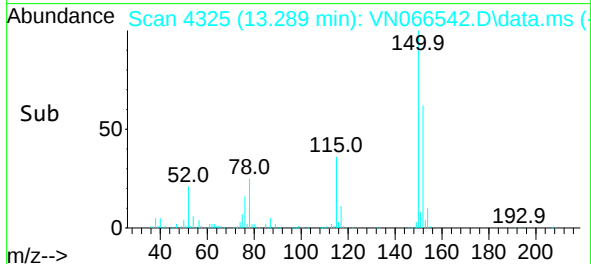
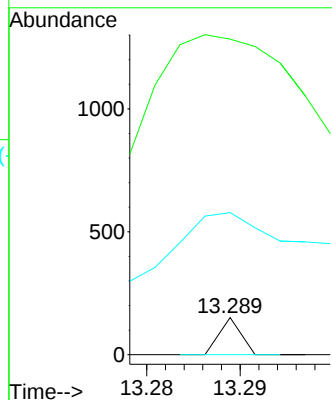
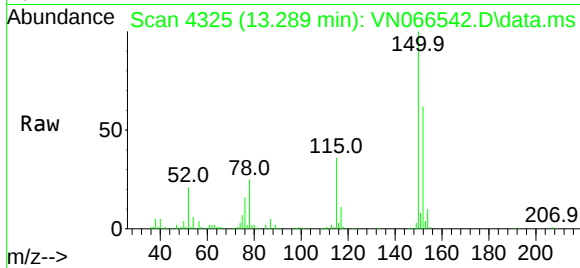




#88
 1,4-Dichlorobenzene
 Concen: 1.00 ug/l
 RT: 13.289 min Scan# 4325
 Delta R.T. -0.019 min
 Lab File: VN066542.D
 Acq: 8 Apr 2021 15:35

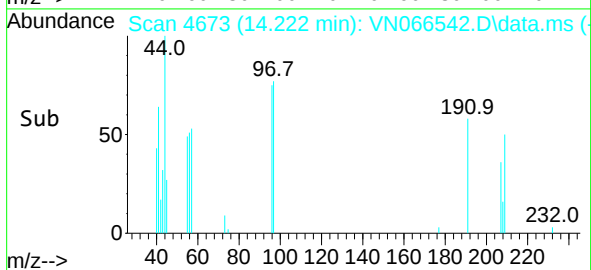
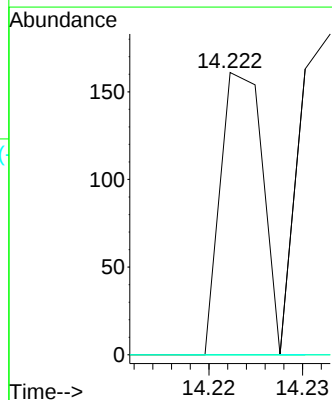
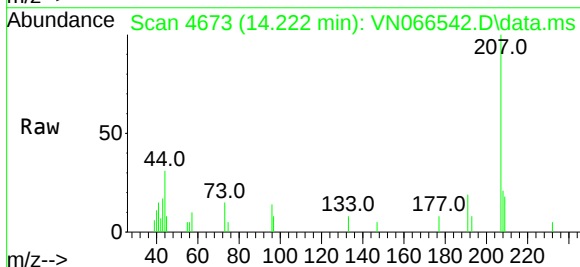
Instrument :
 MSVOA_N
 ClientSampled :

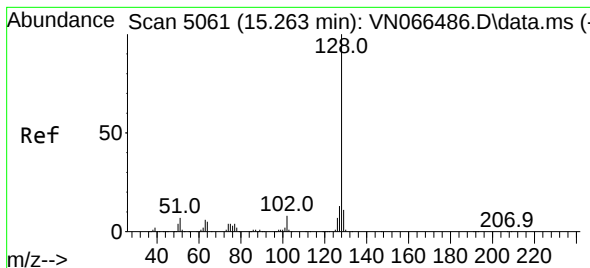
Tgt Ion:146 Resp: 24
 Ion Ratio Lower Upper
 146 100
 111 9516.7 18.3 54.9#
 148 4016.7 31.9 95.9#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.38 ug/l
 RT: 14.222 min Scan# 4673
 Delta R.T. -0.011 min
 Lab File: VN066542.D
 Acq: 8 Apr 2021 15:35

Tgt Ion: 75 Resp: 51
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.8 131.3#
 157 0.0 57.6 172.8#

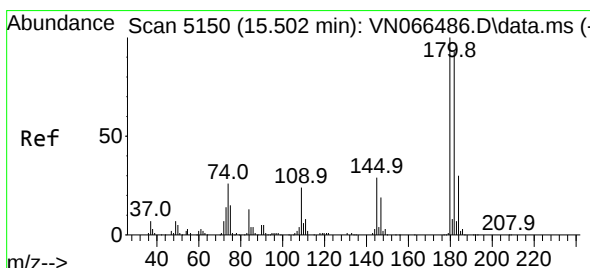
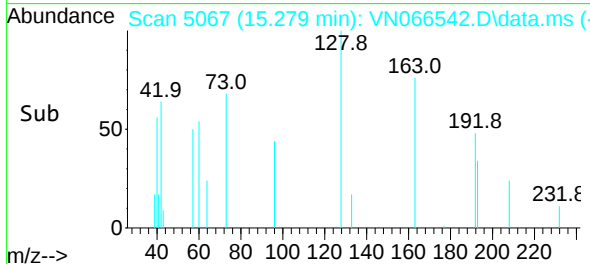
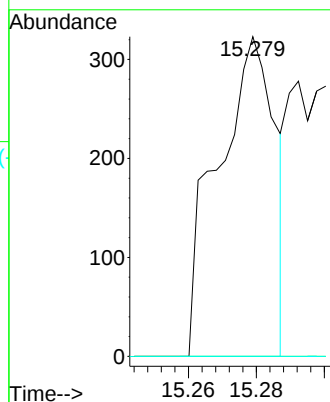
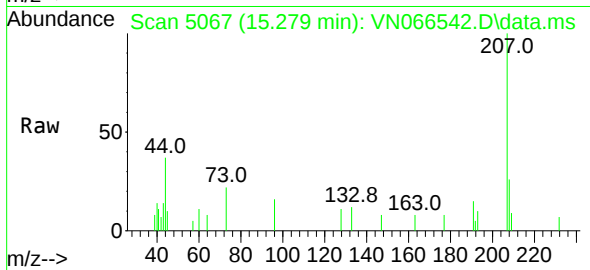




#95
Naphthalene
Concen: 2.00 ug/l
RT: 15.279 min Scan# 5067
Delta R.T. 0.016 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 378
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: 1.63 ug/l
RT: 15.512 min Scan# 5154
Delta R.T. 0.010 min
Lab File: VN066542.D
Acq: 8 Apr 2021 15:35

Tgt Ion:180 Resp: 49
Ion Ratio Lower Upper
180 100
182 0.0 47.6 142.9#
145 0.0 15.4 46.1#

