

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040721\
 Data File : VN066518.D
 Acq On : 7 Apr 2021 20:10
 Operator : JC/MD
 Sample : PB135583ZH#07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 08 01:58:17 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)

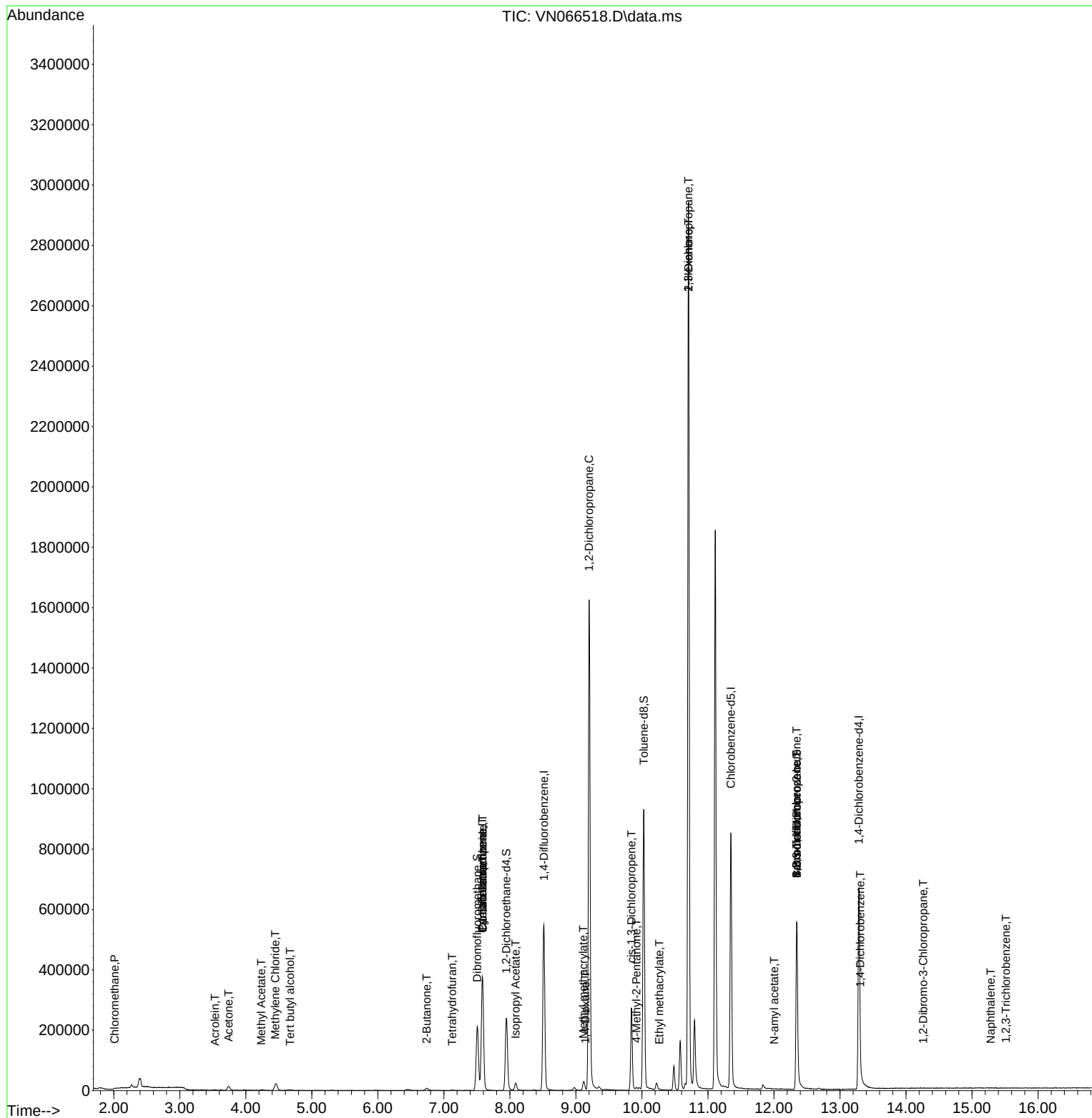
Internal Standards						
1) Pentafluorobenzene	7.584	168	320327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	482092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	484713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	215974	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.946	65	204730	48.53	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.06%		
35) Dibromofluoromethane	7.507	113	162018	49.31	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.62%		
50) Toluene-d8	10.028	98	635080	50.87	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.74%		
62) 4-Bromofluorobenzene	12.345	95	202965	50.13	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.26%		
Target Compounds						Qvalue
3) Chloromethane	2.014	50	1246	0.26	ug/l	93
11) Tert butyl alcohol	4.672	59	365	0.54	ug/l #	85
13) Acrolein	3.532	56	464	4.90	ug/l	95
16) Acetone	3.738	43	22033	12.46	ug/l	98
18) Methyl Acetate	4.235	43	2001	0.45	ug/l	99
20) Methylene Chloride	4.449	84	16783	4.42	ug/l	84
25) 2-Butanone	6.740	43	8708	3.28	ug/l	95
29) Tetrahydrofuran	7.126	42	808	0.45	ug/l #	52
31) Cyclohexane	7.584	56	6761	1.17	ug/l #	18
36) 1,1-Dichloropropene	7.584	75	23188	4.95	ug/l #	48
38) Carbon Tetrachloride	7.587	117	29375	6.19	ug/l #	16
43) Isopropyl Acetate	8.086	43	29453	3.28	ug/l	99
45) 1,2-Dichloropropane	9.199	63	1829	0.47	ug/l #	43
48) Methyl methacrylate	9.110	41	7009	1.76	ug/l #	12
49) 1,4-Dioxane	9.145	88	25	0.46	ug/l #	23
51) 4-Methyl-2-Pentanone	9.918	43	3007	0.56	ug/l #	42
54) cis-1,3-Dichloropropene	9.843	75	48386	8.09	ug/l #	62
56) Ethyl methacrylate	10.264	69	96	3.73	ug/l #	22
57) 1,3-Dichloropropane	10.706	76	28646	4.76	ug/l #	43
59) 2-Hexanone	10.706	43	415614	107.14	ug/l #	52
71) Bromoform	12.345	173	1190	0.39	ug/l #	1
74) N-amyl acetate	12.004	43	262	12.77	ug/l #	50
76) 1,2,3-Trichloropropane	12.345	75	104740	21.50	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	104740	59.96	ug/l #	12
88) 1,4-Dichlorobenzene	13.308	146	50	1.01	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.262	75	81	0.41	ug/l #	1
95) Naphthalene	15.282	128	903	2.04	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.515	180	30	1.62	ug/l #	1

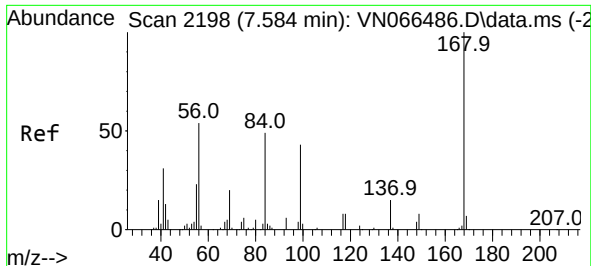
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040721\
Data File : VN066518.D
Acq On : 7 Apr 2021 20:10
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Sample : PB135583ZH#07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

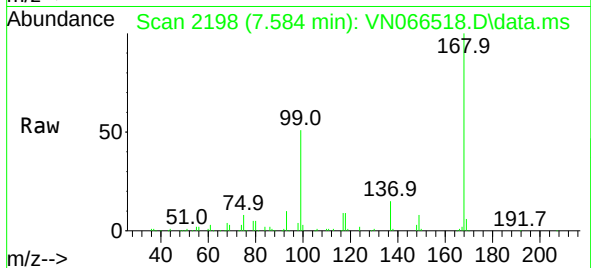
Quant Time: Apr 08 01:58:17 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 06 15:38:34 2021
Response via : Initial Calibration



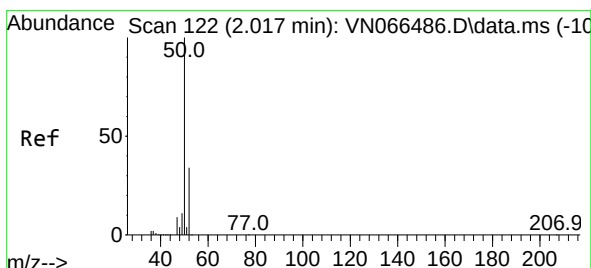
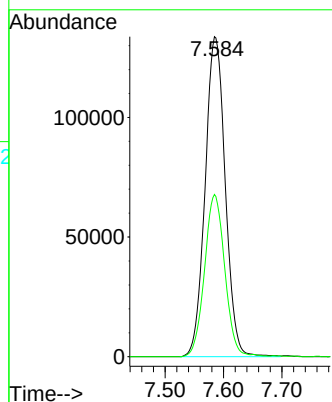
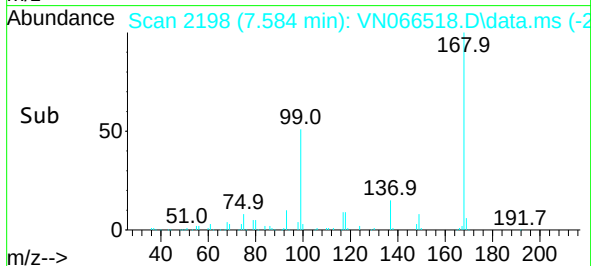


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. 0.000 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

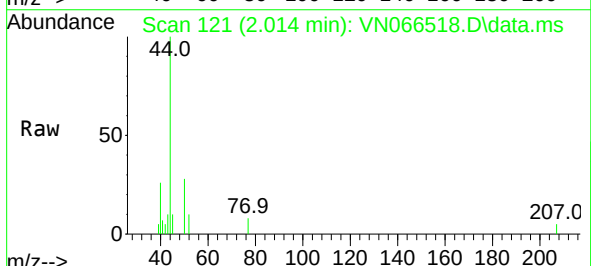
Instrument :
MSVOA_N
ClientSampleId :



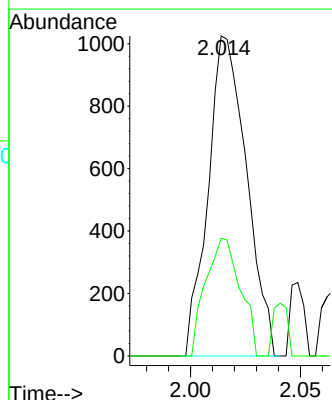
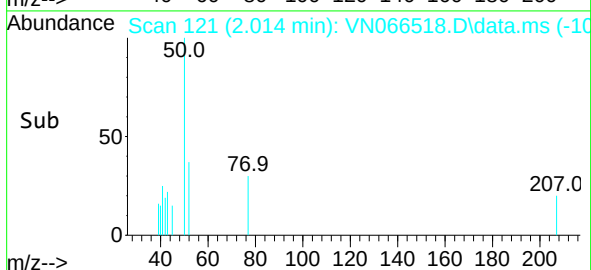
Tgt Ion:168 Resp: 320327
Ion Ratio Lower Upper
168 100
99 50.7 41.1 61.7

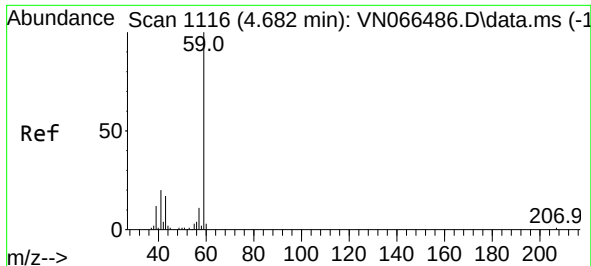


#3
Chloromethane
Concen: 0.26 ug/l
RT: 2.014 min Scan# 121
Delta R.T. -0.003 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10



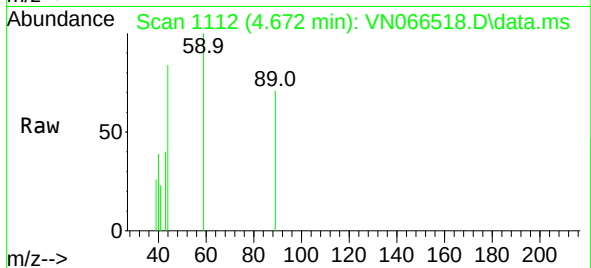
Tgt Ion: 50 Resp: 1246
Ion Ratio Lower Upper
50 100
52 36.8 26.2 39.2



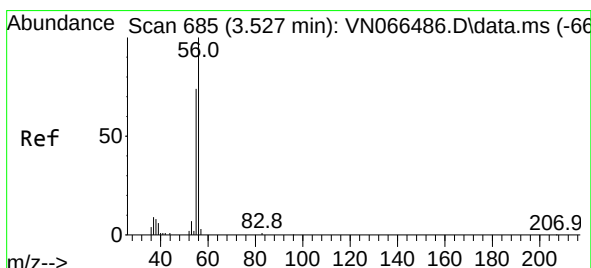
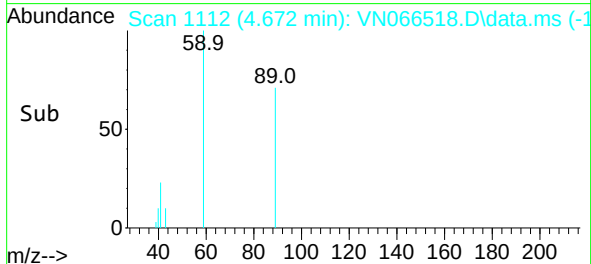
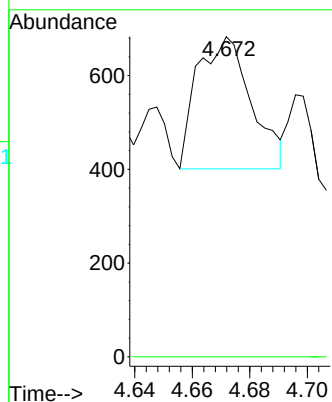


#11
Tert butyl alcohol
Concen: 0.54 ug/l
RT: 4.672 min Scan# 1112
Delta R.T. -0.010 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

Instrument :
MSVOA_N
ClientSampled :

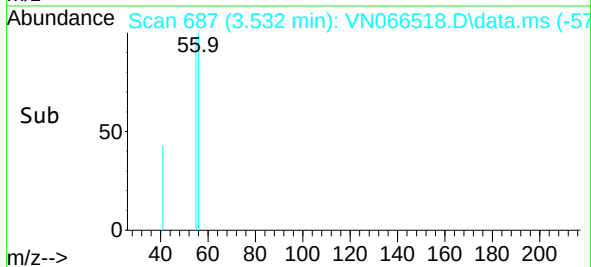
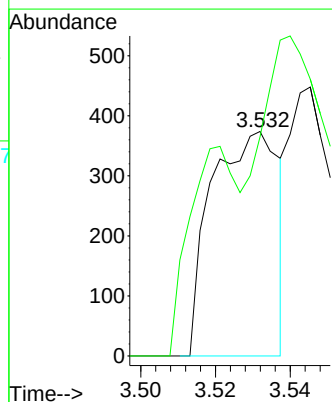
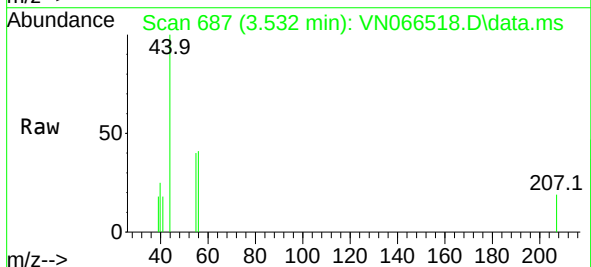


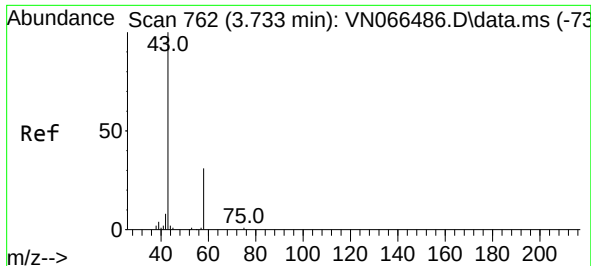
Tgt Ion: 59 Resp: 365
Ion Ratio Lower Upper
59 100
57 0.0 4.1 6.1#



#13
Acrolein
Concen: 4.90 ug/l
RT: 3.532 min Scan# 687
Delta R.T. 0.005 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

Tgt Ion: 56 Resp: 464
Ion Ratio Lower Upper
56 100
55 67.9 57.9 86.9

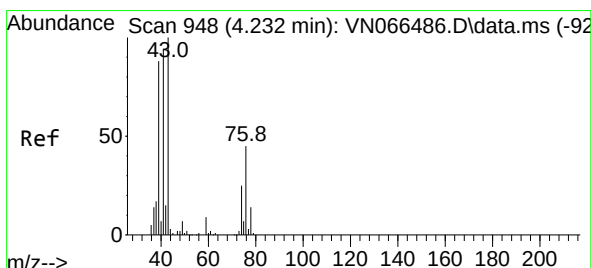
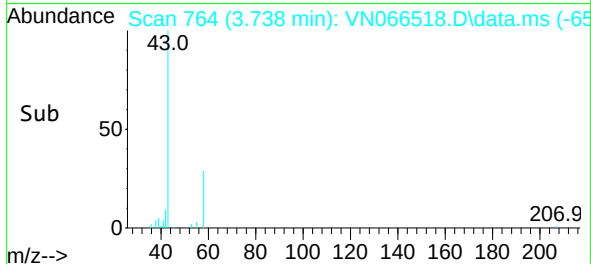
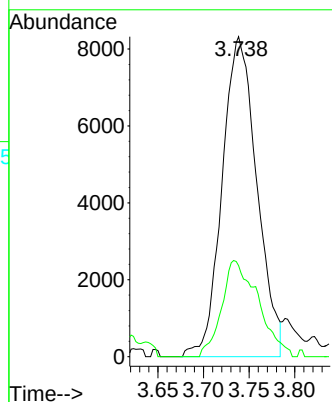
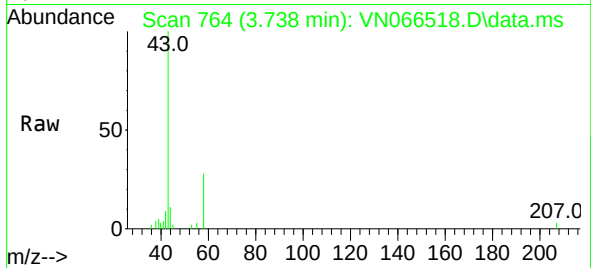




#16
Acetone
Concen: 12.46 ug/l
RT: 3.738 min Scan# 764
Delta R.T. 0.005 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

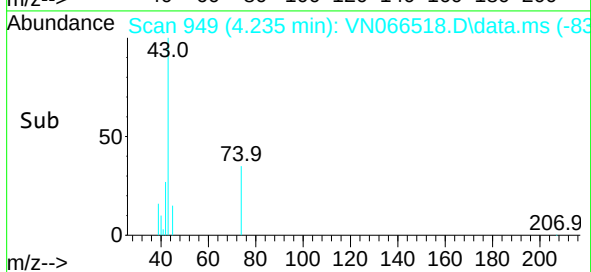
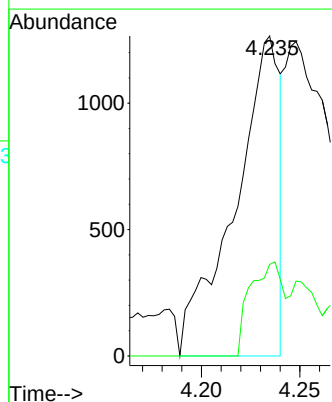
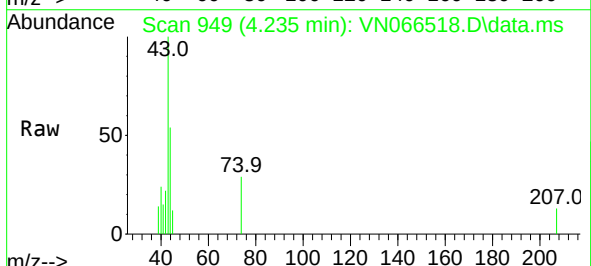
Instrument :
MSVOA_N
ClientSampled :

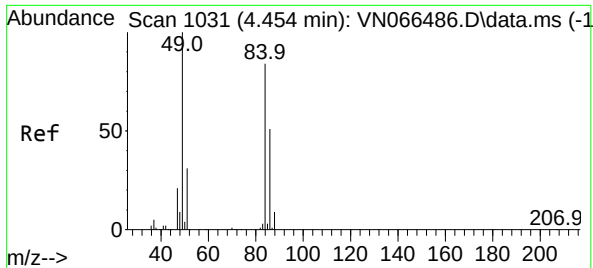
Tgt Ion: 43 Resp: 22033
Ion Ratio Lower Upper
43 100
58 28.5 23.8 35.8



#18
Methyl Acetate
Concen: 0.45 ug/l
RT: 4.235 min Scan# 949
Delta R.T. 0.003 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

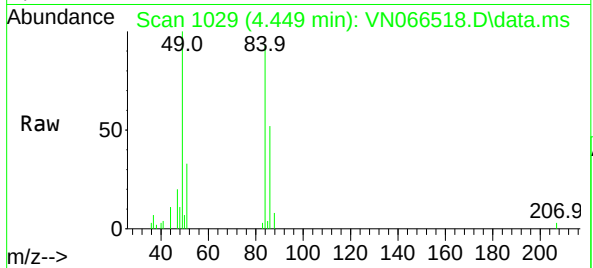
Tgt Ion: 43 Resp: 2001
Ion Ratio Lower Upper
43 100
74 21.3 17.6 26.4





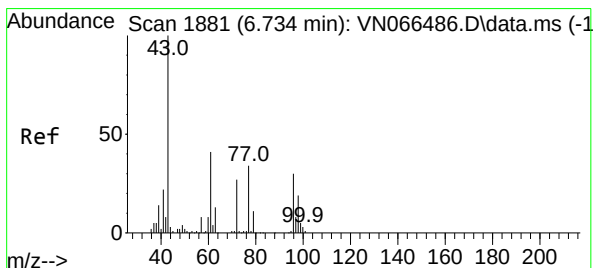
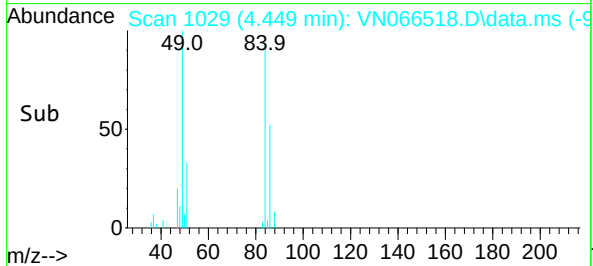
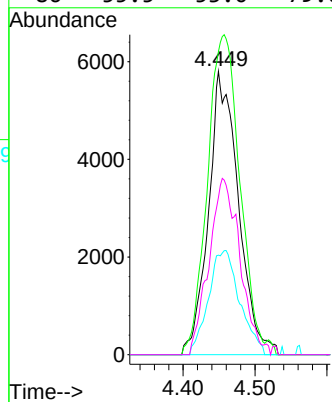
#20
Methylene Chloride
Concen: 4.42 ug/l
RT: 4.449 min Scan# 1029
Delta R.T. -0.005 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 16783

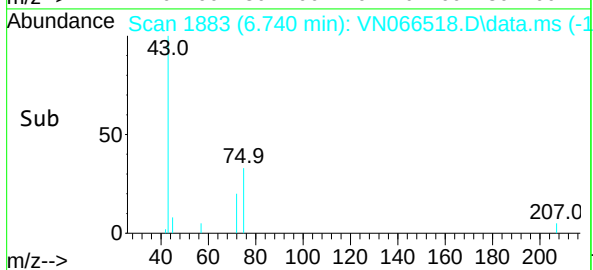
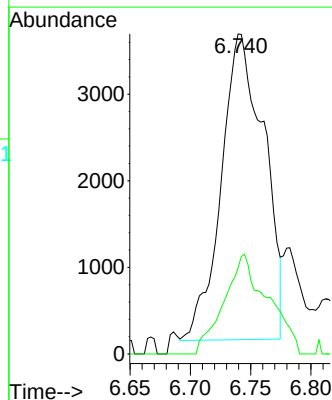
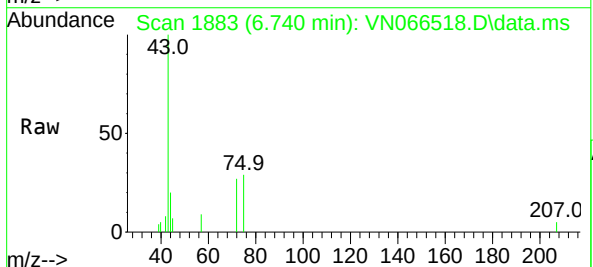
Ion	Ratio	Lower	Upper
84	100		
49	107.0	105.0	157.6
51	35.1	31.6	47.4
86	55.5	53.0	79.6

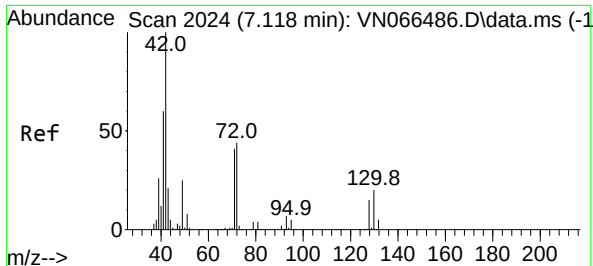


#25
2-Butanone
Concen: 3.28 ug/l
RT: 6.740 min Scan# 1883
Delta R.T. 0.006 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

Tgt Ion: 43 Resp: 8708

Ion	Ratio	Lower	Upper
43	100		
72	28.3	20.7	31.1





#29

Tetrahydrofuran

Concen: 0.45 ug/l

RT: 7.126 min Scan# 2027

Delta R.T. 0.008 min

Lab File: VN066518.D

Acq: 7 Apr 2021 20:10

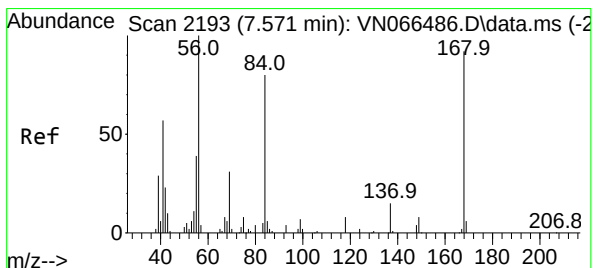
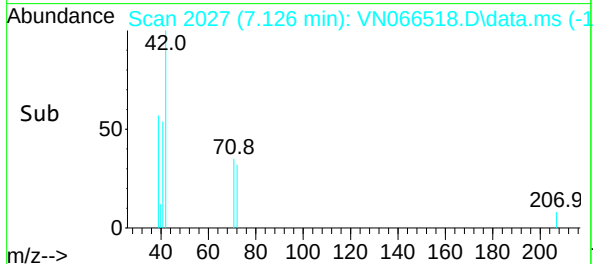
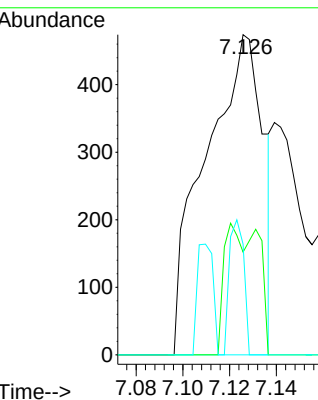
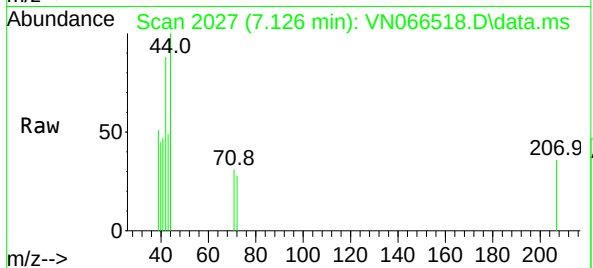
Tgt Ion: 42 Resp: 808

Ion Ratio Lower Upper

42 100

72 13.6 35.2 52.8#

71 10.8 33.1 49.7#



#31

Cyclohexane

Concen: 1.17 ug/l

RT: 7.584 min Scan# 2198

Delta R.T. 0.013 min

Lab File: VN066518.D

Acq: 7 Apr 2021 20:10

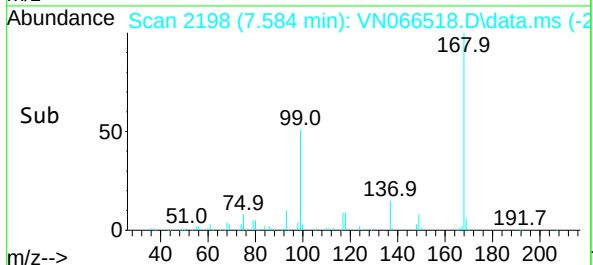
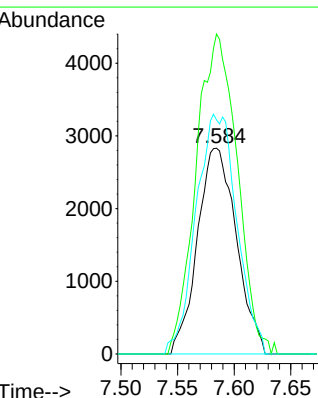
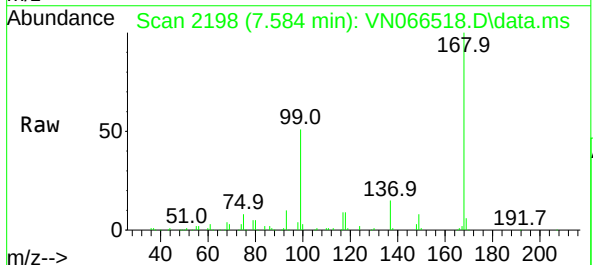
Tgt Ion: 56 Resp: 6761

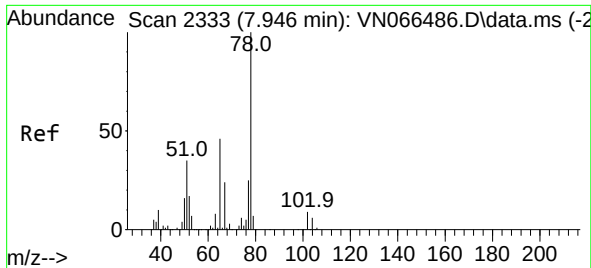
Ion Ratio Lower Upper

56 100

69 155.5 26.6 40.0#

84 113.7 68.7 103.1#

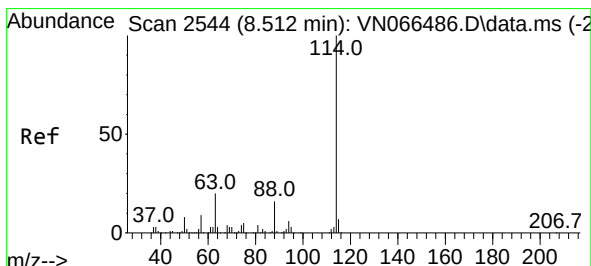
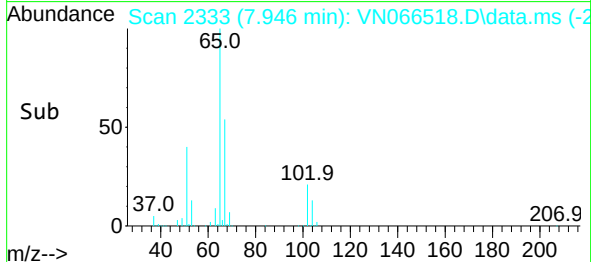
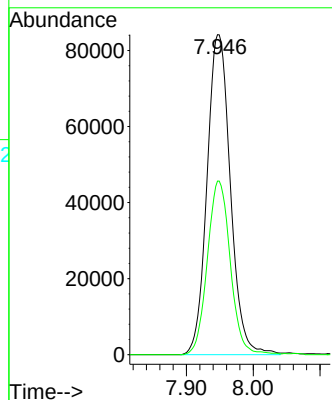
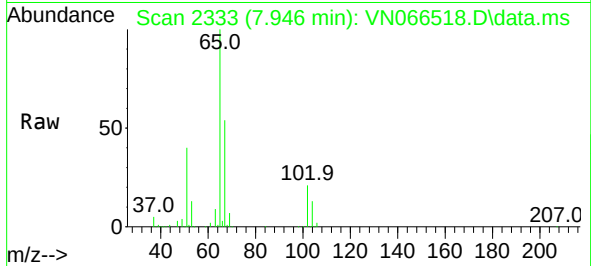




#33
 1,2-Dichloroethane-d4
 Concen: 48.53 ug/l
 RT: 7.946 min Scan# 2333
 Delta R.T. 0.000 min
 Lab File: VN066518.D
 Acq: 7 Apr 2021 20:10

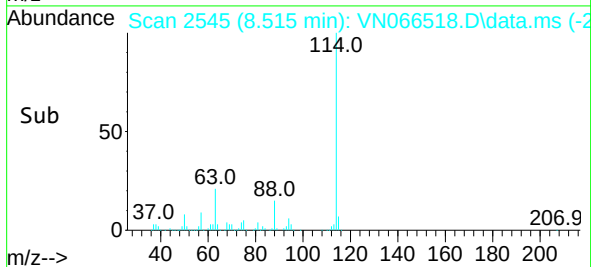
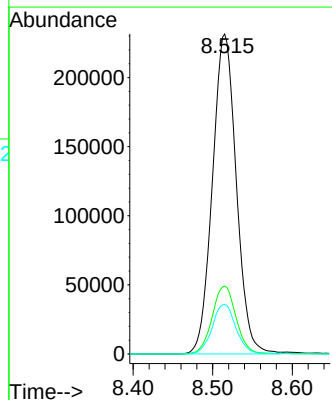
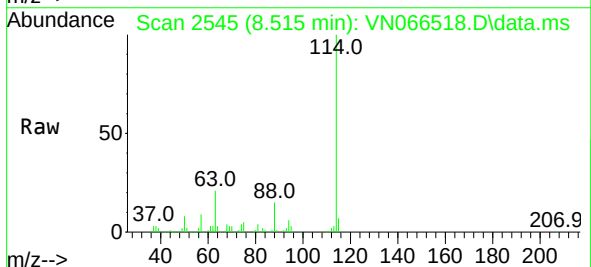
Instrument :
 MSVOA_N
 ClientSampled :

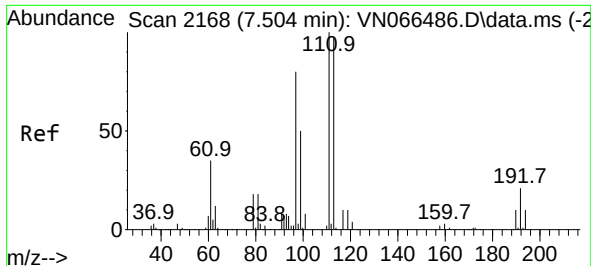
Tgt Ion: 65 Resp: 204730
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.515 min Scan# 2545
 Delta R.T. 0.003 min
 Lab File: VN066518.D
 Acq: 7 Apr 2021 20:10

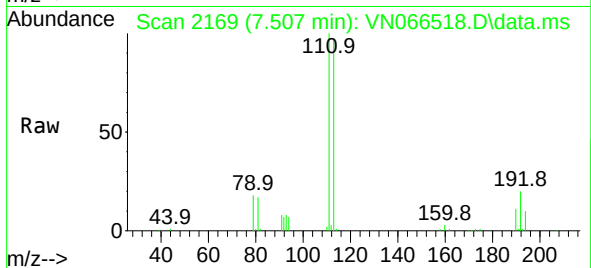
Tgt Ion: 114 Resp: 482092
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.0
 88 15.5 0.0 31.0



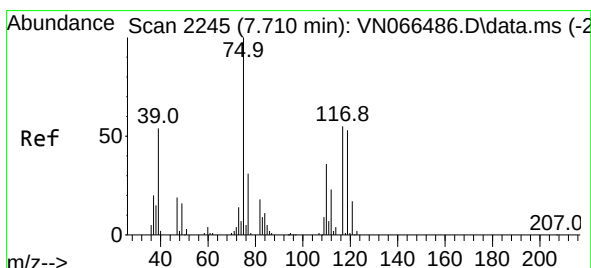
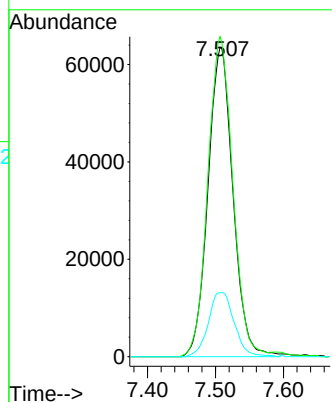
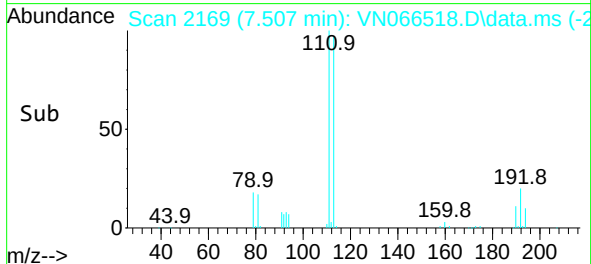


#35
Dibromofluoromethane
Concen: 49.31 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. 0.003 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

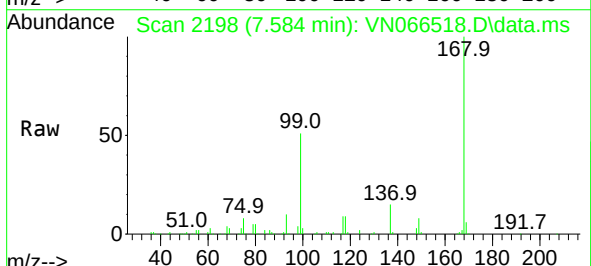
Instrument :
MSVOA_N
ClientSampled :



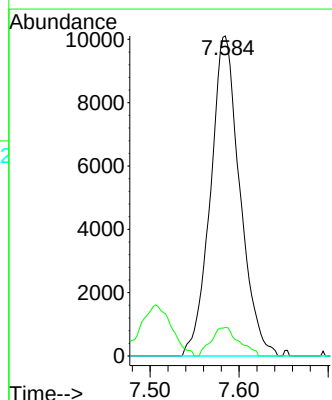
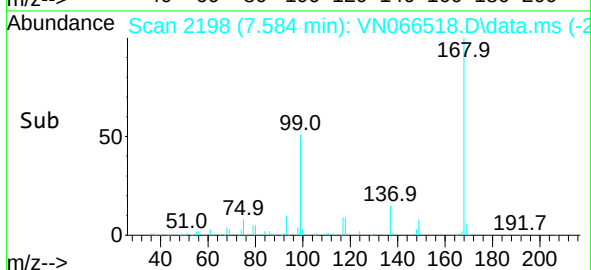
Tgt Ion:113 Resp: 162018
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.8
192 21.5 17.1 25.7

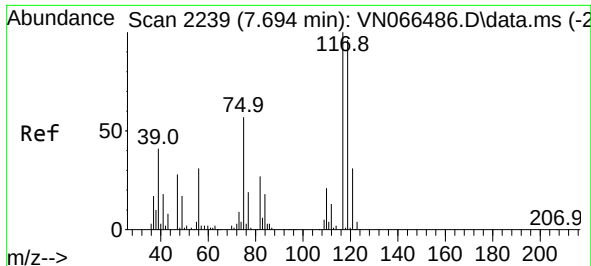


#36
1,1-Dichloropropene
Concen: 4.95 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.126 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10



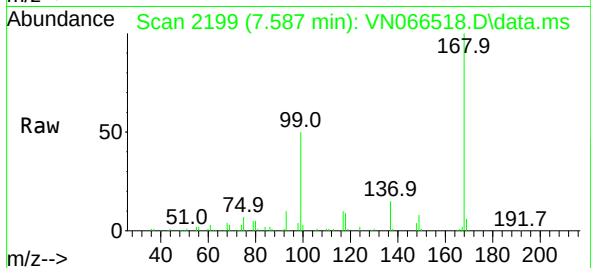
Tgt Ion: 75 Resp: 23188
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.3#
77 0.0 25.0 37.4#



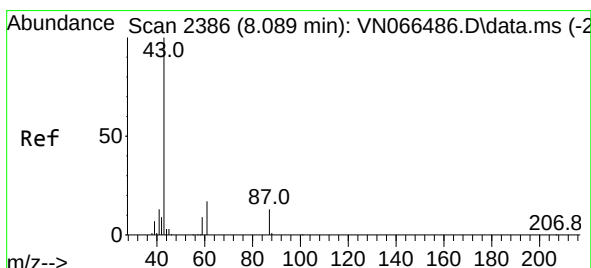
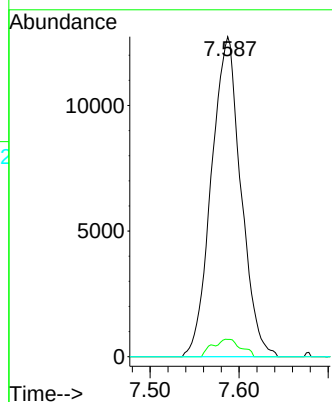
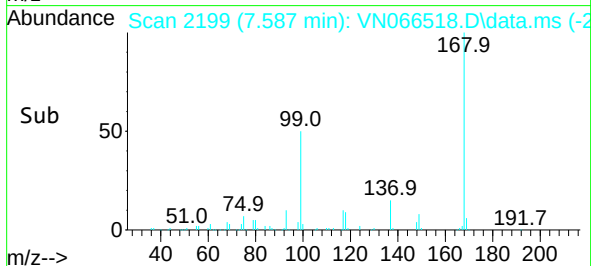


#38
Carbon Tetrachloride
Concen: 6.19 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.107 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

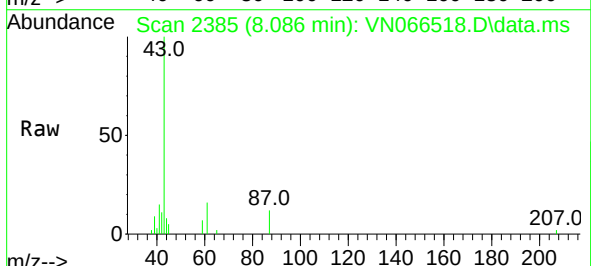
Instrument :
MSVOA_N
ClientSampled :



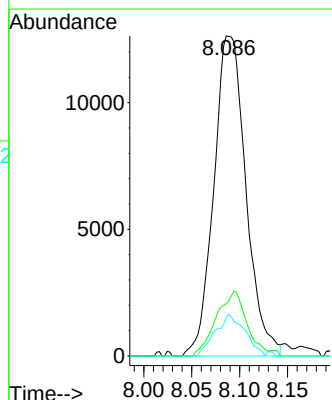
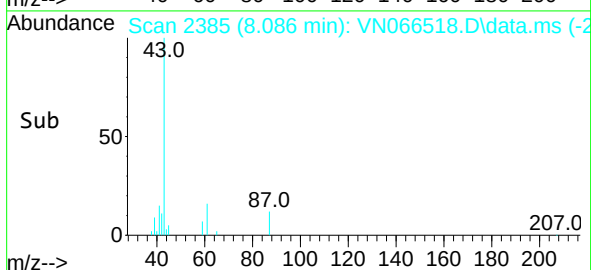
Tgt Ion:117 Resp: 29375
Ion Ratio Lower Upper
117 100
119 5.4 77.2 115.8#
121 0.0 24.2 36.4#

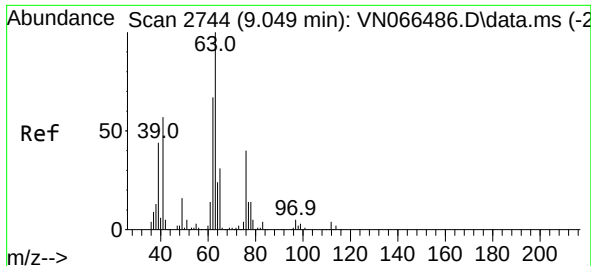


#43
Isopropyl Acetate
Concen: 3.28 ug/l
RT: 8.086 min Scan# 2385
Delta R.T. -0.003 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10



Tgt Ion: 43 Resp: 29453
Ion Ratio Lower Upper
43 100
61 19.2 15.5 23.3
87 11.9 10.5 15.7

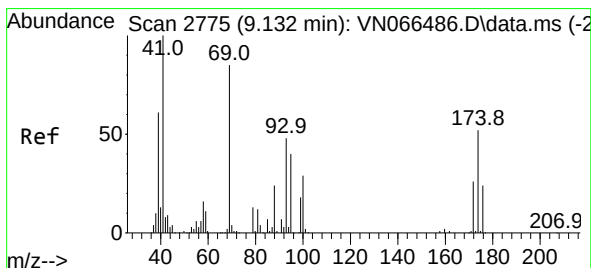
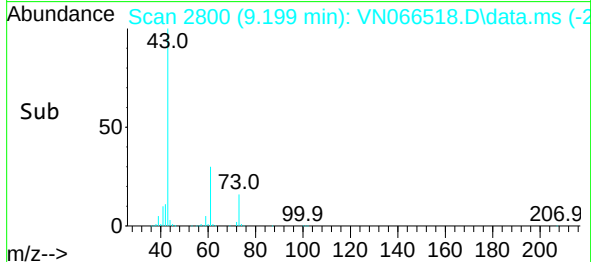
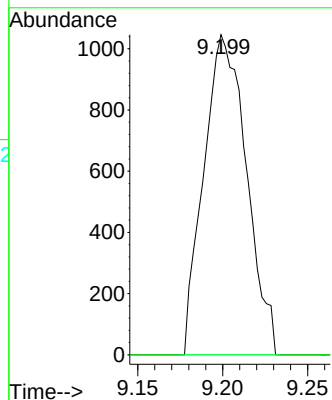
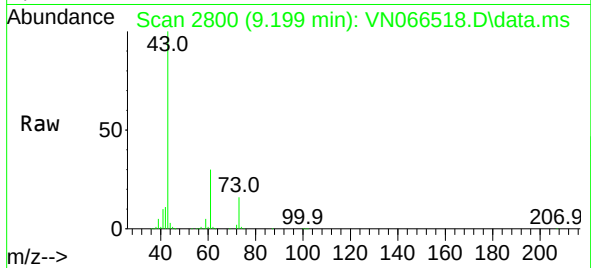




#45
1,2-Dichloropropane
Concen: 0.47 ug/l
RT: 9.199 min Scan# 2800
Delta R.T. 0.150 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

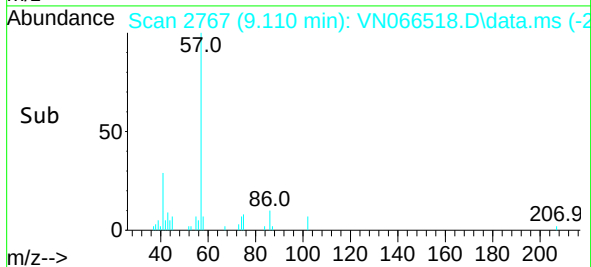
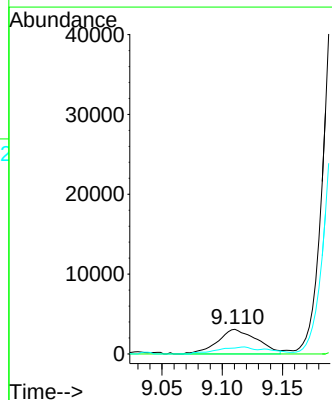
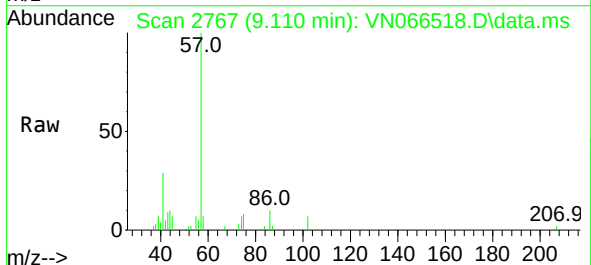
Instrument :
MSVOA_N
ClientSampled :

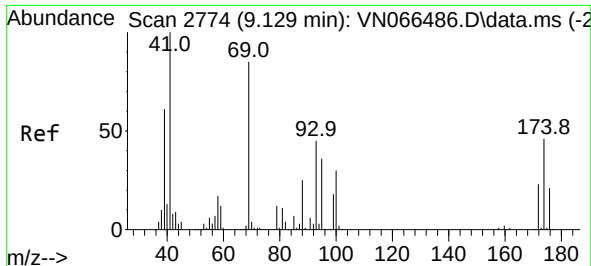
Tgt Ion: 63 Resp: 1829
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#



#48
Methyl methacrylate
Concen: 1.76 ug/l
RT: 9.110 min Scan# 2767
Delta R.T. -0.022 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

Tgt Ion: 41 Resp: 7009
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: 0.46 ug/l

RT: 9.145 min Scan# 2780

Delta R.T. 0.016 min

Lab File: VN066518.D

Acq: 7 Apr 2021 20:10

Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

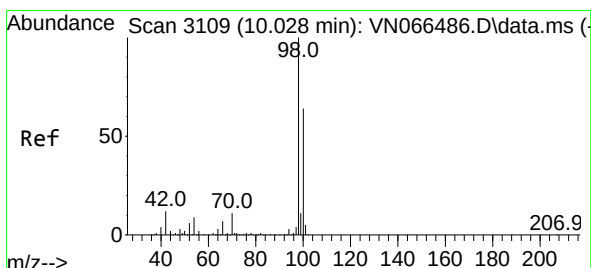
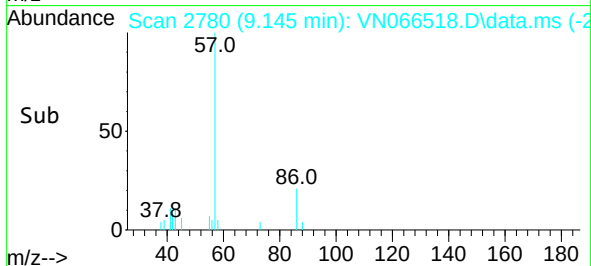
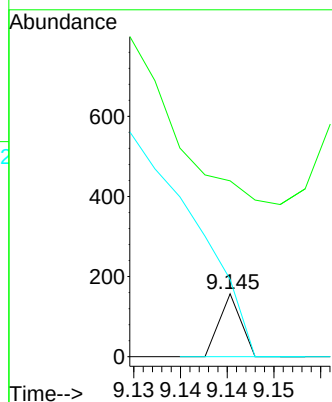
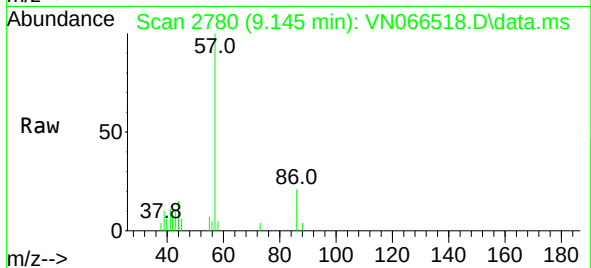
43 0.0 28.2 42.4#

58 0.0 56.6 84.8#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 50.87 ug/l

RT: 10.028 min Scan# 3109

Delta R.T. -0.000 min

Lab File: VN066518.D

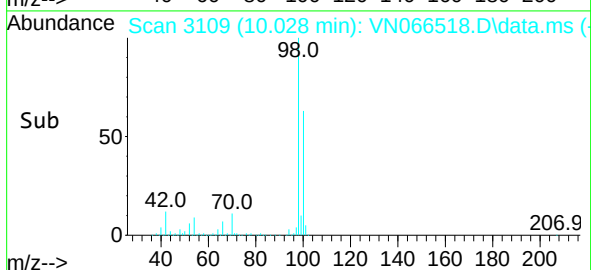
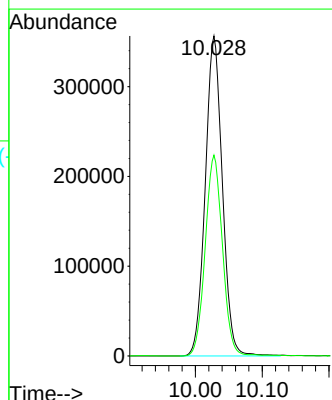
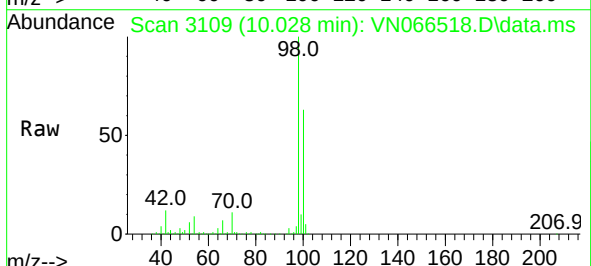
Acq: 7 Apr 2021 20:10

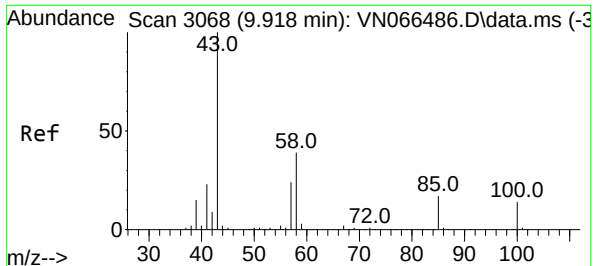
Tgt Ion: 98 Resp: 635080

Ion Ratio Lower Upper

98 100

100 63.3 50.5 75.7

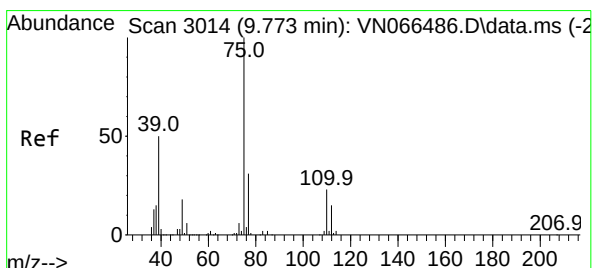
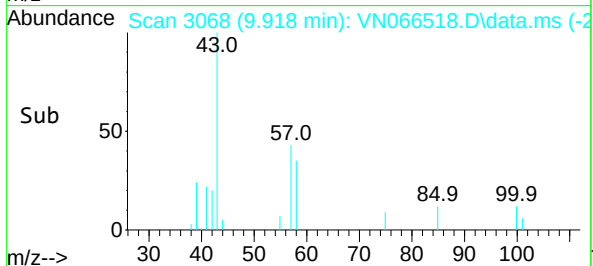
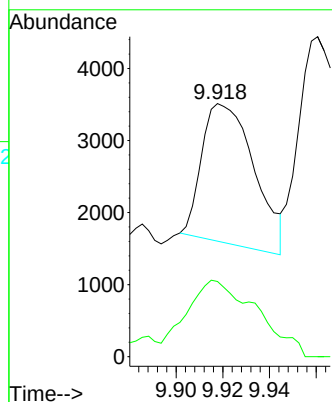
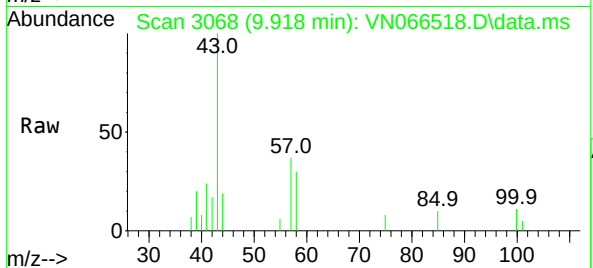




#51
4-Methyl-2-Pentanone
Concen: 0.56 ug/l
RT: 9.918 min Scan# 3068
Delta R.T. -0.000 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

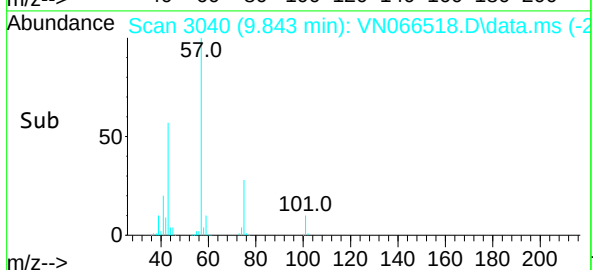
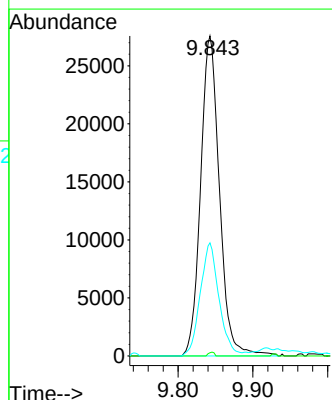
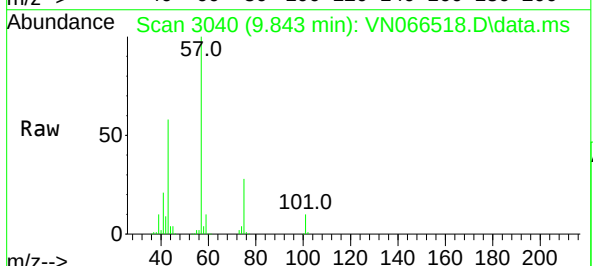
Instrument :
MSVOA_N
ClientSampled :

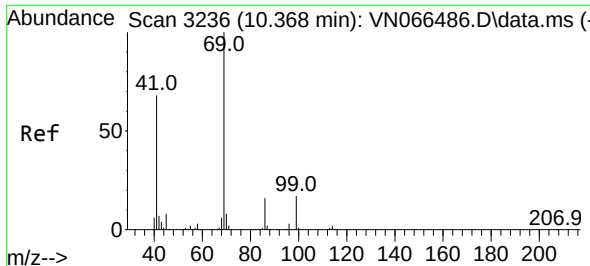
Tgt Ion: 43 Resp: 3007
Ion Ratio Lower Upper
43 100
58 74.0 30.8 46.2#



#54
cis-1,3-Dichloropropene
Concen: 8.09 ug/l
RT: 9.843 min Scan# 3040
Delta R.T. 0.070 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

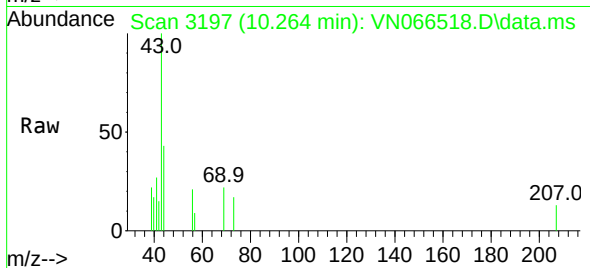
Tgt Ion: 75 Resp: 48386
Ion Ratio Lower Upper
75 100
77 1.0 25.4 38.2#
39 35.3 44.2 66.4#



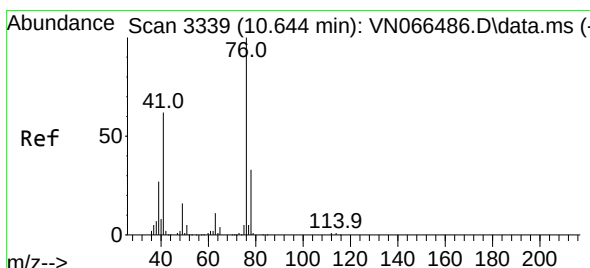
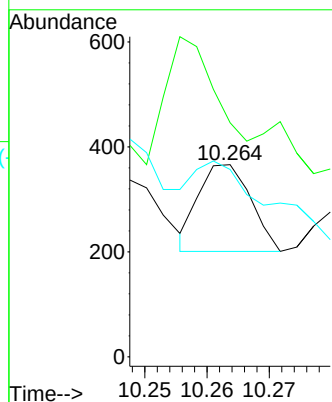
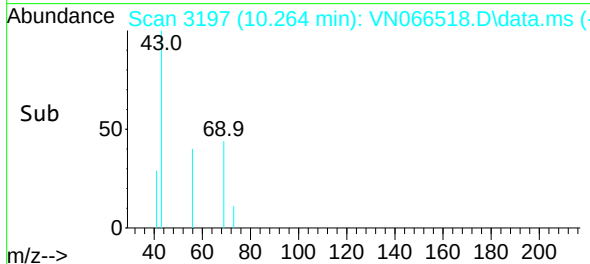


#56
Ethyl methacrylate
Concen: 3.73 ug/l
RT: 10.264 min Scan# 3197
Delta R.T. -0.104 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

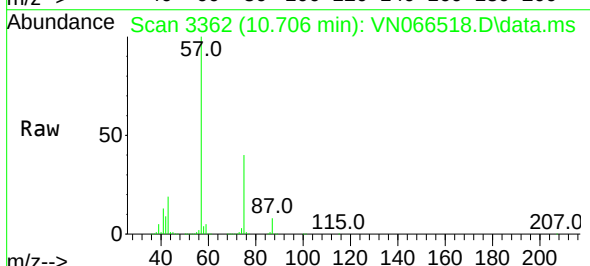
Instrument :
MSVOA_N
ClientSampled :



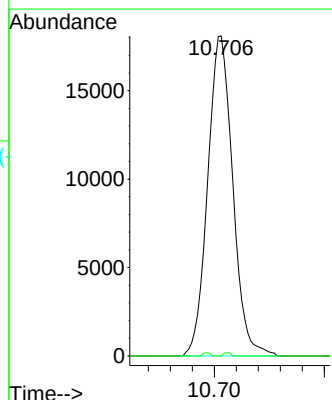
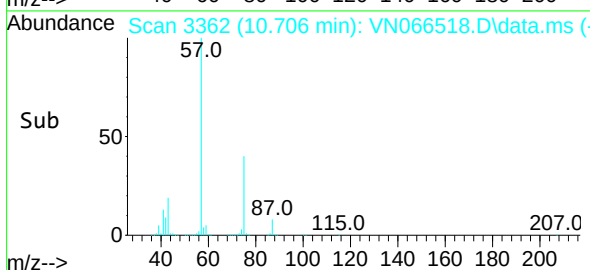
Tgt Ion: 69 Resp: 96
Ion Ratio Lower Upper
69 100
41 0.0 55.3 82.9#
39 0.0 33.8 50.6#

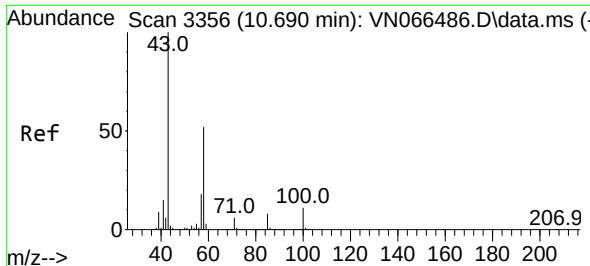


#57
1,3-Dichloropropane
Concen: 4.76 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.062 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10



Tgt Ion: 76 Resp: 28646
Ion Ratio Lower Upper
76 100
78 0.3 25.9 38.9#

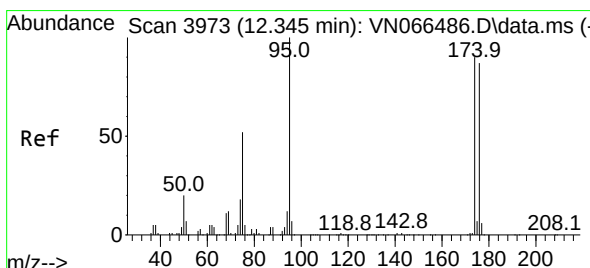
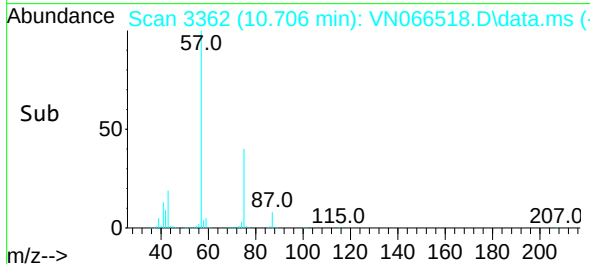
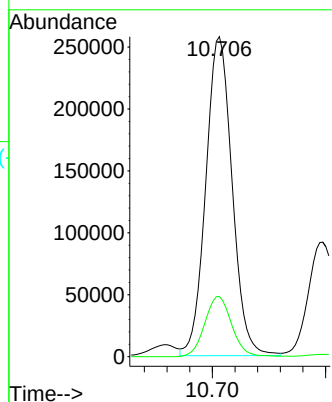
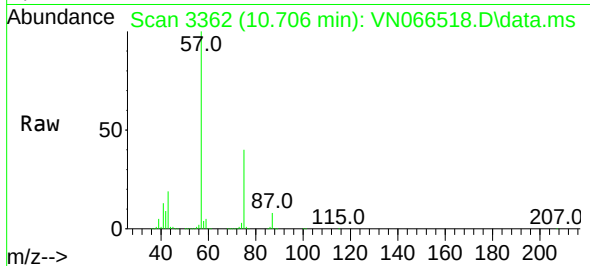




#59
2-Hexanone
Concen: 107.14 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.016 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

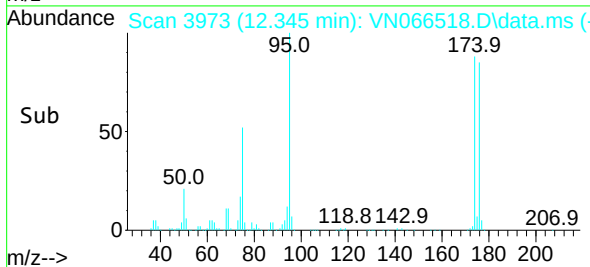
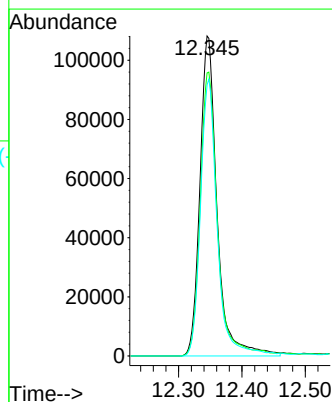
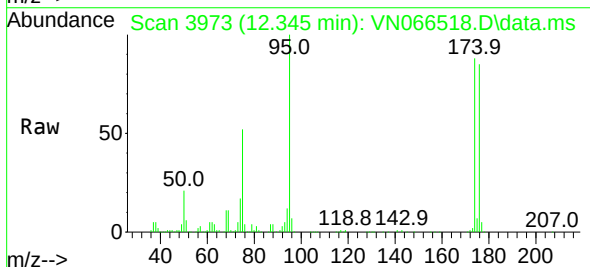
Instrument :
MSVOA_N
ClientSampled :

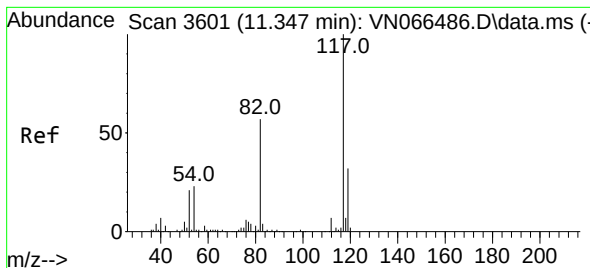
Tgt Ion: 43 Resp: 415614
Ion Ratio Lower Upper
43 100
58 19.3 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 50.13 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.000 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

Tgt Ion: 95 Resp: 202965
Ion Ratio Lower Upper
95 100
174 90.5 0.0 172.2
176 83.9 0.0 167.8

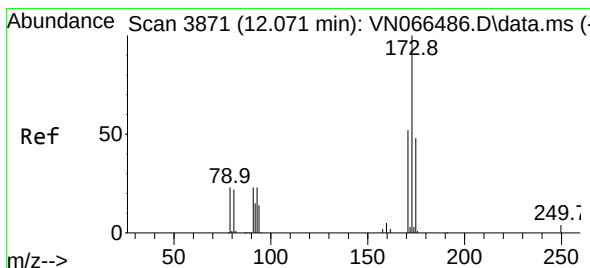
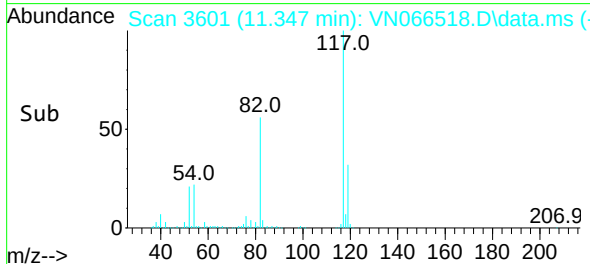
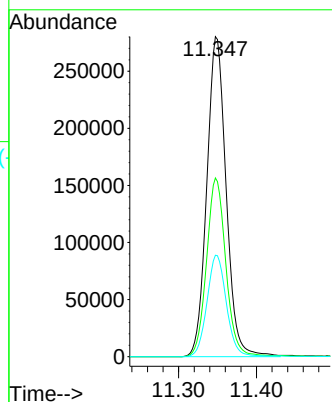
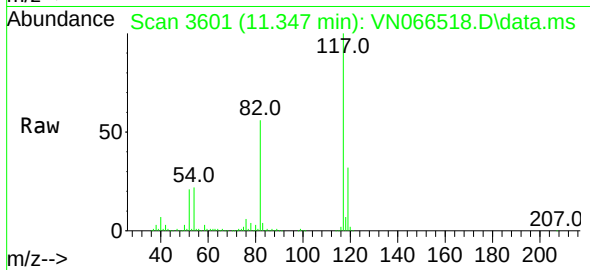




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

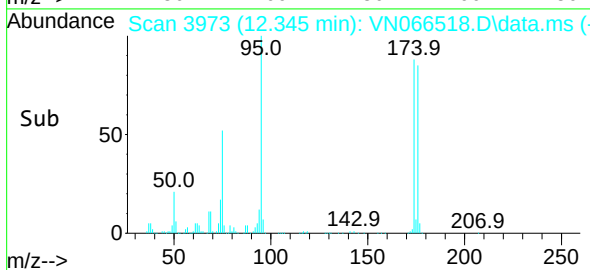
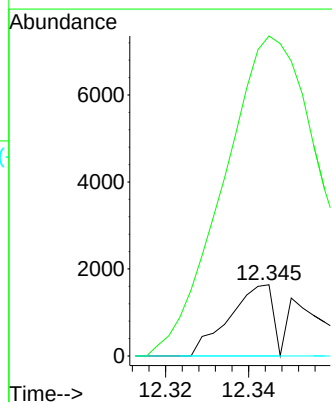
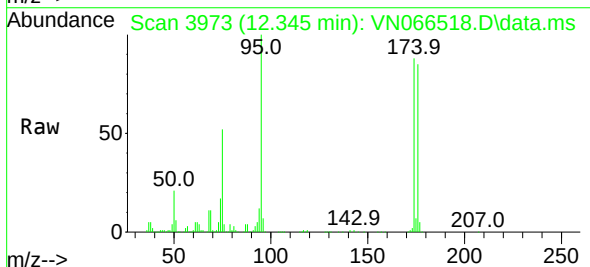
Instrument :
MSVOA_N
ClientSampled :

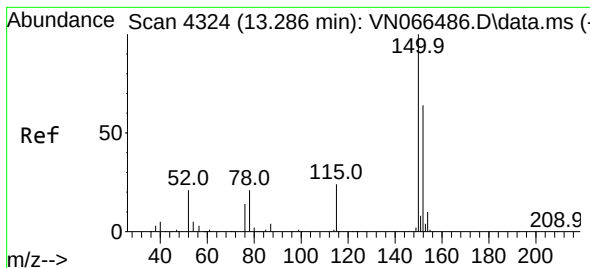
Tgt Ion:117 Resp: 484713
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.4
119 31.7 25.8 38.6



#71
Bromoform
Concen: 0.39 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.274 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

Tgt Ion:173 Resp: 1190
Ion Ratio Lower Upper
173 100
175 946.8 24.3 72.8#
254 0.0 0.0 0.0

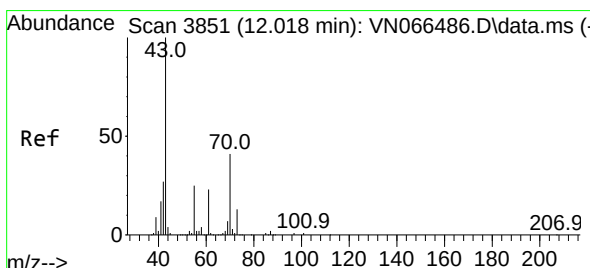
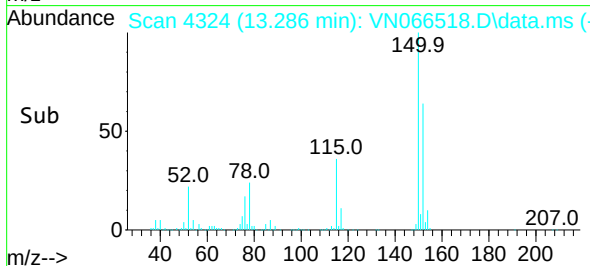
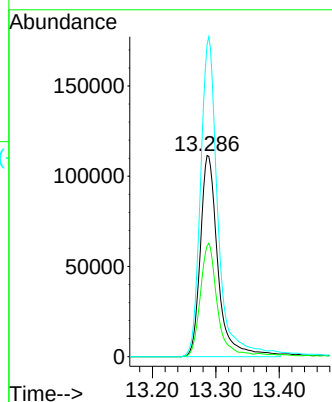
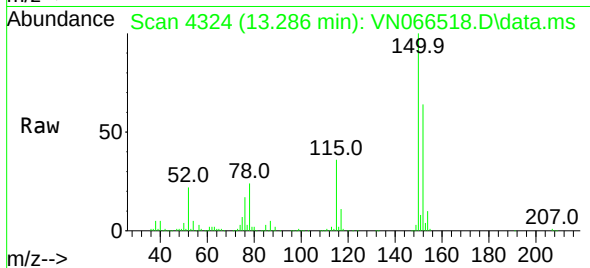




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

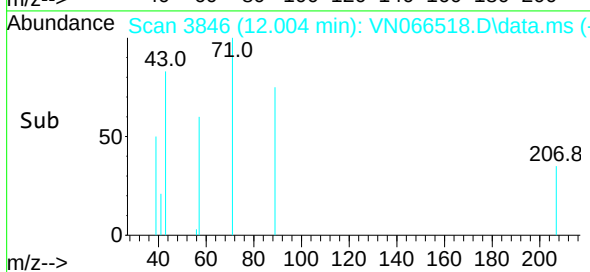
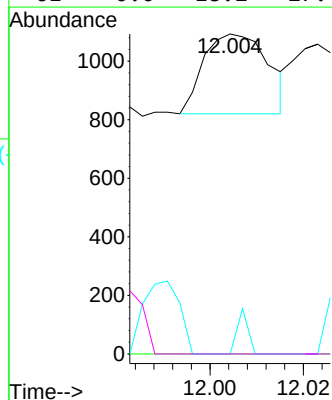
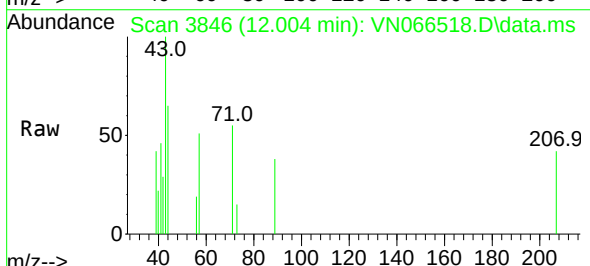
Instrument :
MSVOA_N
ClientSampleId :

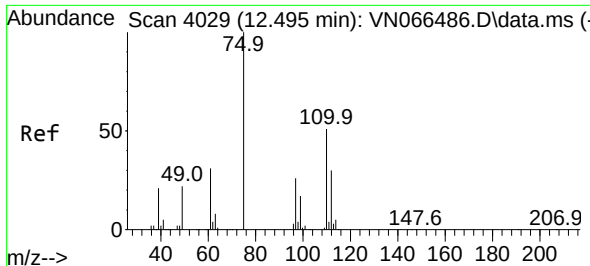
Tgt Ion:152 Resp: 215974
Ion Ratio Lower Upper
152 100
115 54.0 27.8 83.4
150 154.6 0.0 348.4



#74
N-ethyl acetate
Concen: 12.77 ug/l
RT: 12.004 min Scan# 3846
Delta R.T. -0.014 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

Tgt Ion: 43 Resp: 262
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 9.5 18.6 28.0#
61 0.0 18.2 27.4#

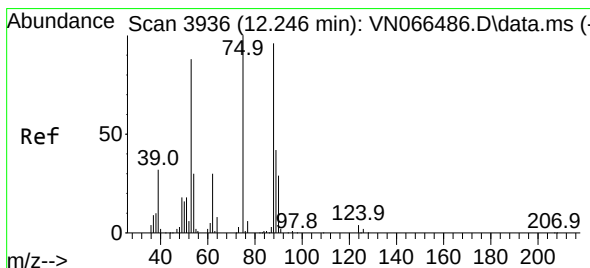
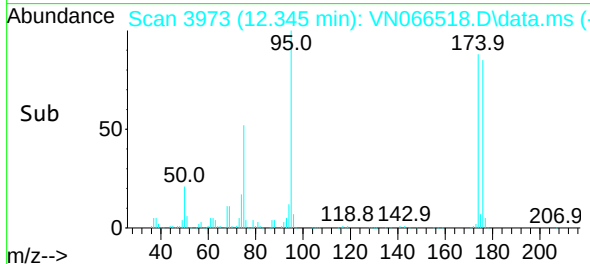
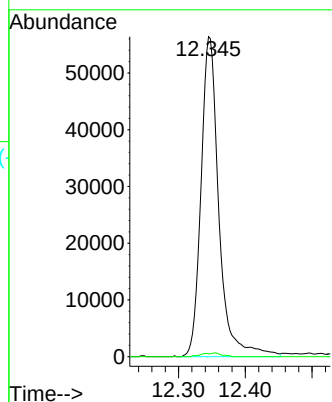
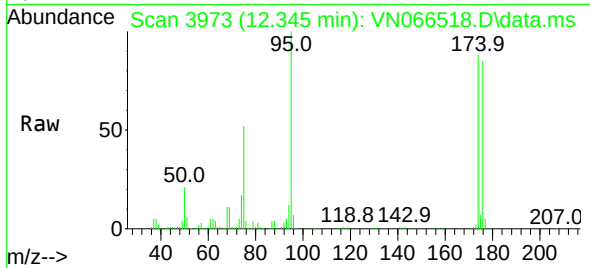




#76
1,2,3-Trichloropropane
Concen: 21.50 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.150 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

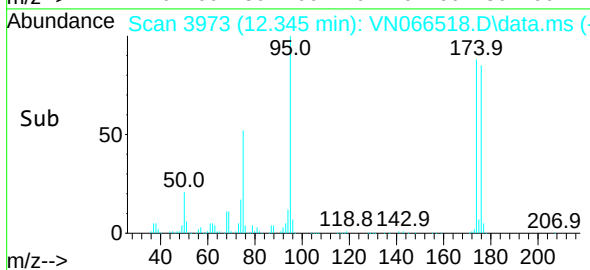
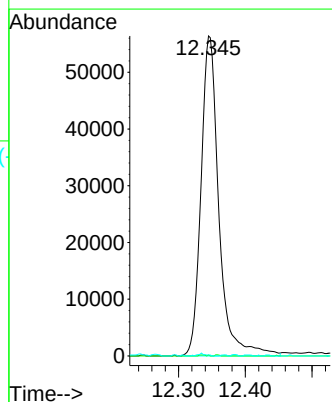
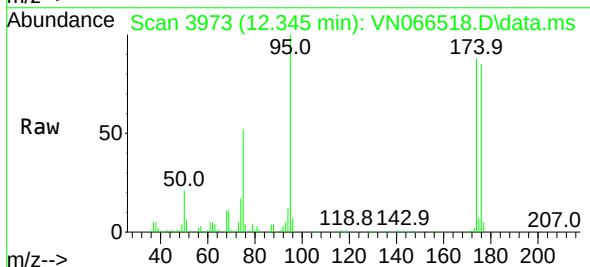
Instrument :
MSVOA_N
ClientSampled :

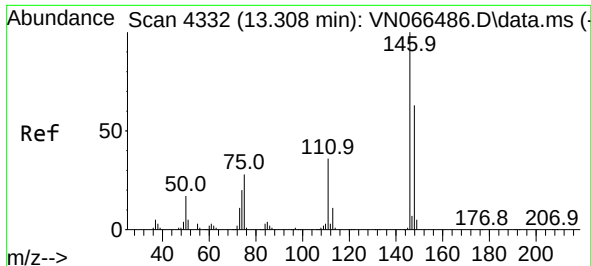
Tgt Ion: 75 Resp: 104740
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.96 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

Tgt Ion: 75 Resp: 104740
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.0 35.7 53.5#

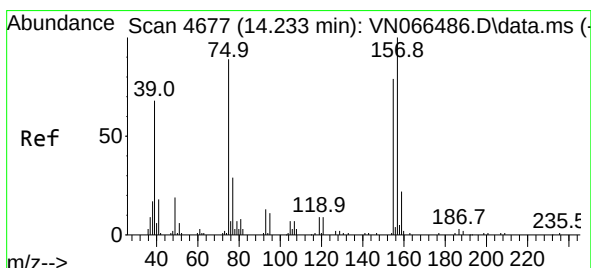
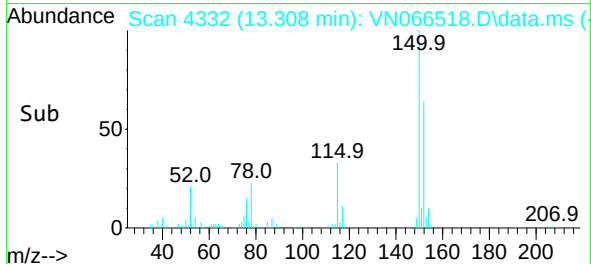
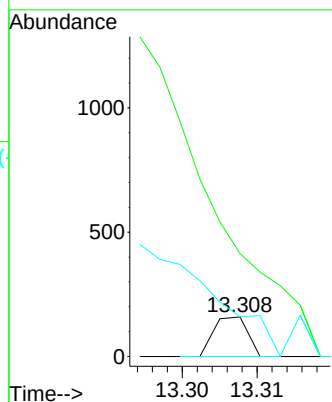
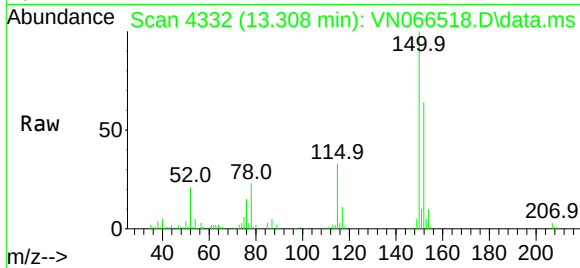




#88
 1,4-Dichlorobenzene
 Concen: 1.01 ug/l
 RT: 13.308 min Scan# 4332
 Delta R.T. -0.000 min
 Lab File: VN066518.D
 Acq: 7 Apr 2021 20:10

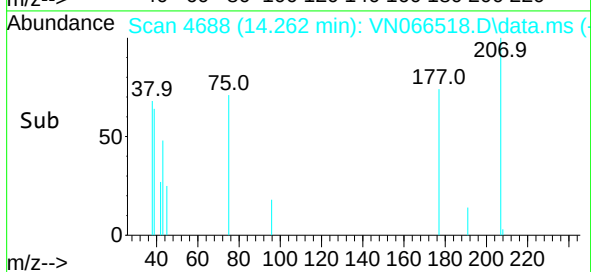
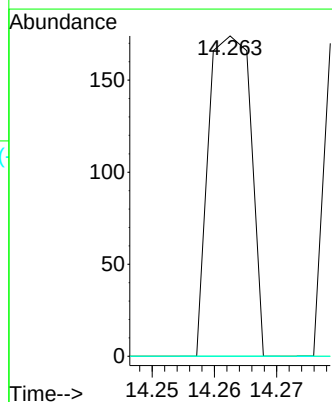
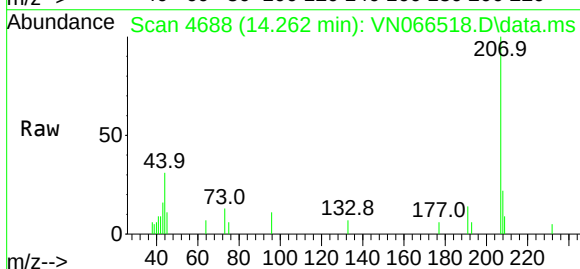
Instrument :
 MSVOA_N
 ClientSampleId :

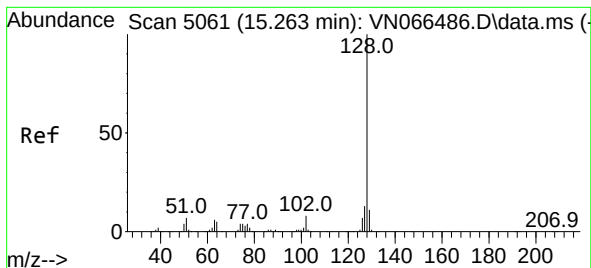
Tgt Ion:146 Resp: 50
 Ion Ratio Lower Upper
 146 100
 111 4710.0 18.3 54.9#
 148 1874.0 31.9 95.9#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.41 ug/l
 RT: 14.262 min Scan# 4688
 Delta R.T. 0.029 min
 Lab File: VN066518.D
 Acq: 7 Apr 2021 20:10

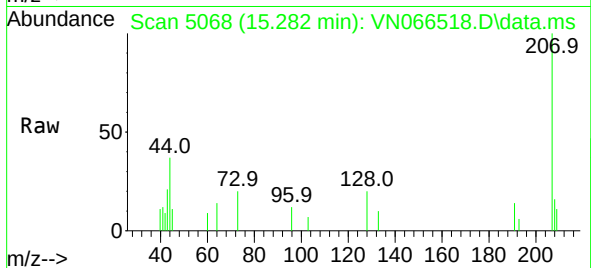
Tgt Ion: 75 Resp: 81
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.8 131.3#
 157 0.0 57.6 172.8#



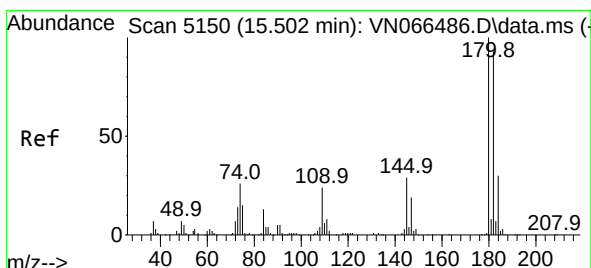
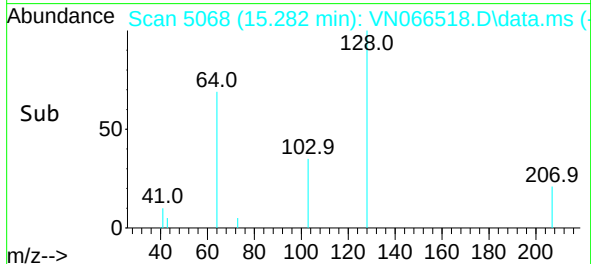
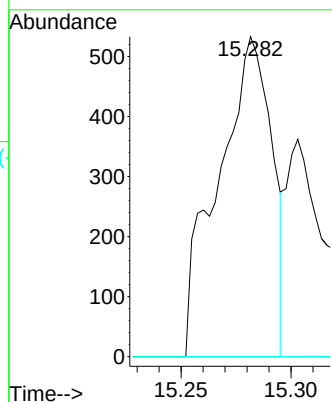


#95
Naphthalene
Concen: 2.04 ug/l
RT: 15.282 min Scan# 5068
Delta R.T. 0.019 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 903
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: 1.62 ug/l
RT: 15.515 min Scan# 5155
Delta R.T. 0.013 min
Lab File: VN066518.D
Acq: 7 Apr 2021 20:10

Tgt Ion:180 Resp: 30
Ion Ratio Lower Upper
180 100
182 276.7 47.6 142.9#
145 0.0 15.4 46.1#

