

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040621\
 Data File : VN066500.D
 Acq On : 6 Apr 2021 18:38
 Operator : JC/MD
 Sample : PB135551ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 07 04:48:31 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)

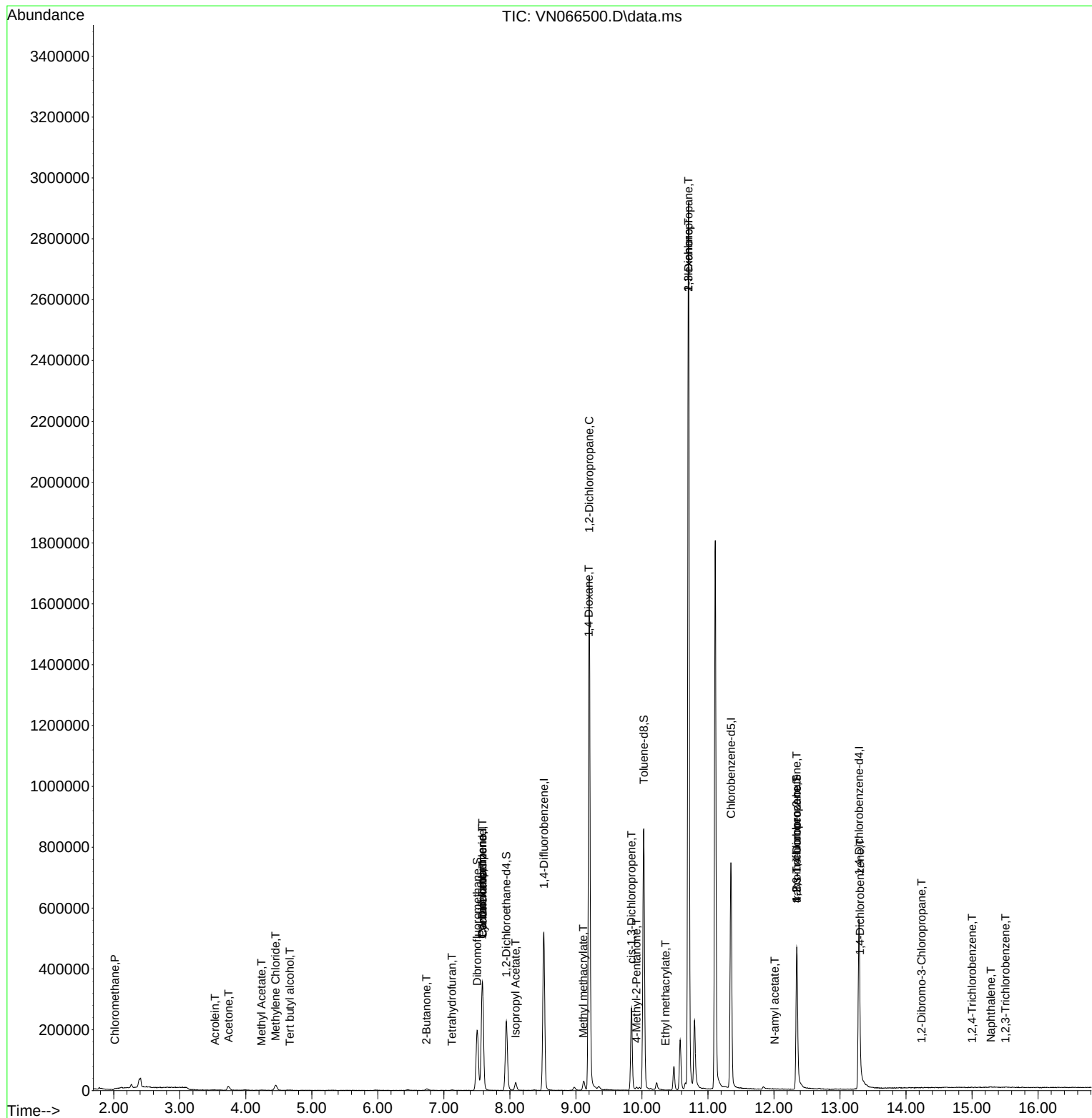
Internal Standards						
1) Pentafluorobenzene	7.584	168	306809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	463071	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	442923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	185283	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	191237	47.33	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.66%		
35) Dibromofluoromethane	7.504	113	153673	48.69	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.38%		
50) Toluene-d8	10.028	98	590191	49.22	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.44%		
62) 4-Bromofluorobenzene	12.345	95	176665	45.43	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.86%		
Target Compounds						Qvalue
3) Chloromethane	2.017	50	1399	0.31	ug/l	92
11) Tert butyl alcohol	4.669	59	751	1.15	ug/l #	85
13) Acrolein	3.532	56	716	5.66	ug/l #	31
16) Acetone	3.739	43	21708	12.82	ug/l	98
18) Methyl Acetate	4.237	43	1451	0.34	ug/l #	85
20) Methylene Chloride	4.452	84	6830	1.88	ug/l	92
25) 2-Butanone	6.737	43	3278	1.29	ug/l	91
29) Tetrahydrofuran	7.120	42	834	0.49	ug/l #	70
31) Cyclohexane	7.587	56	6344	1.14	ug/l #	1
36) 1,1-Dichloropropene	7.582	75	22002	4.89	ug/l #	48
38) Carbon Tetrachloride	7.584	117	27920	6.12	ug/l #	16
43) Isopropyl Acetate	8.089	43	29486	3.42	ug/l #	94
45) 1,2-Dichloropropane	9.202	63	1857	0.49	ug/l #	43
48) Methyl methacrylate	9.111	41	7690	2.01	ug/l #	12
49) 1,4-Dioxane	9.194	88	61	1.17	ug/l #	1
51) 4-Methyl-2-Pentanone	9.918	43	6837	1.33	ug/l	99
54) cis-1,3-Dichloropropene	9.843	75	48760	8.49	ug/l #	61
56) Ethyl methacrylate	10.358	69	92	3.73	ug/l #	22
57) 1,3-Dichloropropane	10.704	76	29879	5.17	ug/l #	42
59) 2-Hexanone	10.706	43	410237	109.63	ug/l #	53
74) N-amyl acetate	12.012	43	206	12.76	ug/l #	32
76) 1,2,3-Trichloropropane	12.345	75	89843	21.50	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	89843	59.95	ug/l #	12
88) 1,4-Dichlorobenzene	13.302	146	393	1.06	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.233	75	160	0.50	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.000	180	454	2.35	ug/l #	63
95) Naphthalene	15.287	128	2222	2.17	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.507	180	470	1.74	ug/l #	80

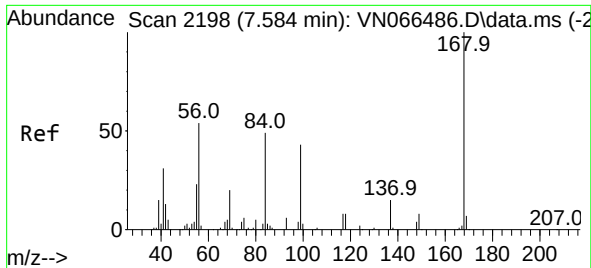
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040621\
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Misc : 5.00mL/MSVOA_N/WATER
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Instrument :
MSVOA_N
ClientSampled :

Quant Time: Apr 07 04:48:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

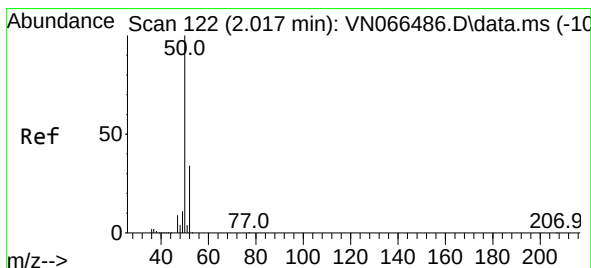
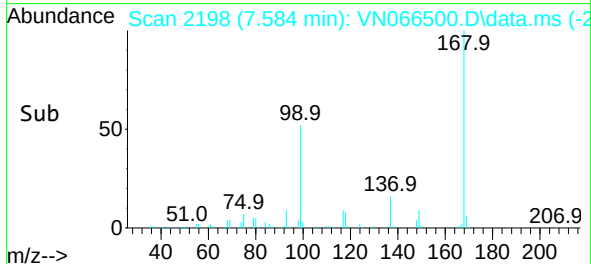
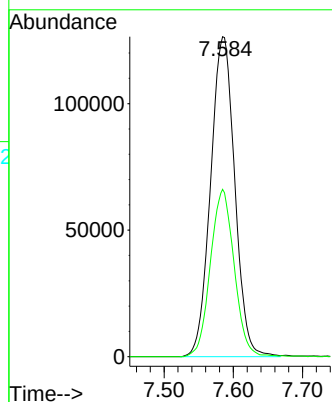
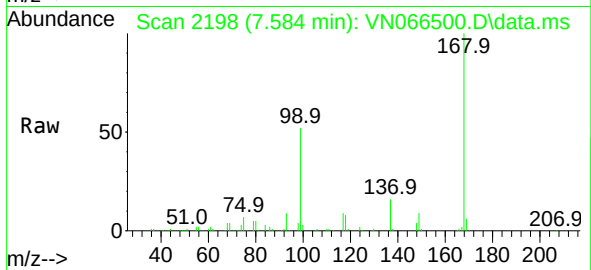




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. 0.000 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

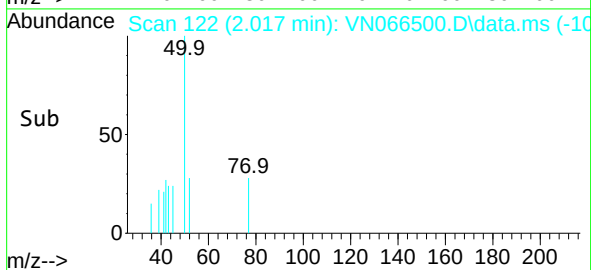
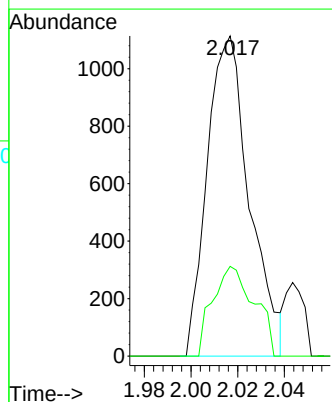
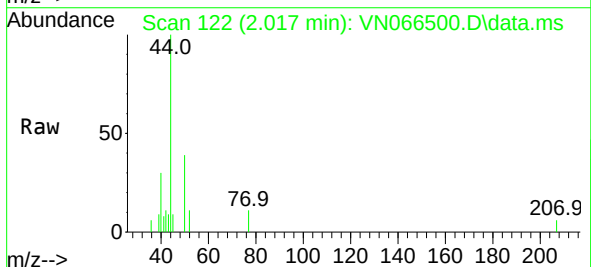
Instrument :
MSVOA_N
ClientSampled :

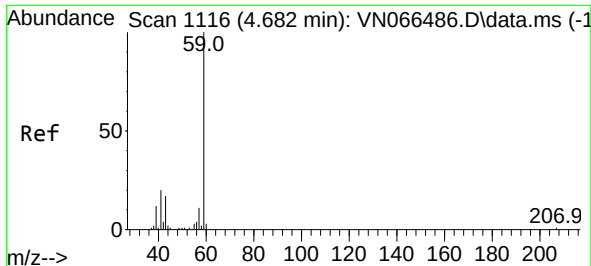
Tgt Ion:168 Resp: 306809
Ion Ratio Lower Upper
168 100
99 52.3 41.1 61.7



#3
Chloromethane
Concen: 0.31 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

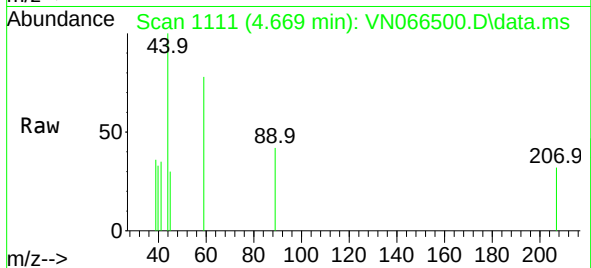
Tgt Ion: 50 Resp: 1399
Ion Ratio Lower Upper
50 100
52 28.0 26.2 39.2



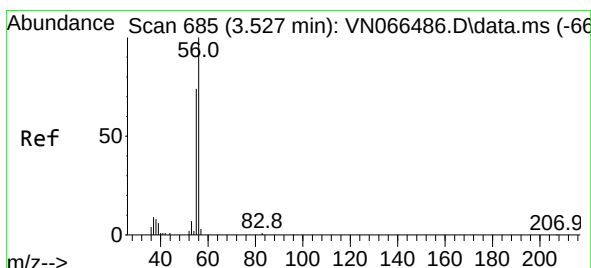
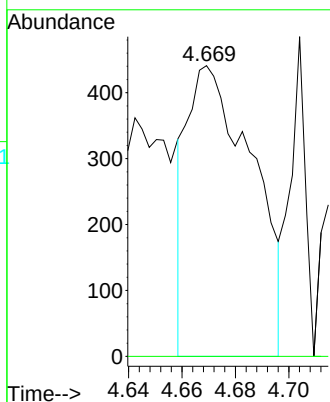
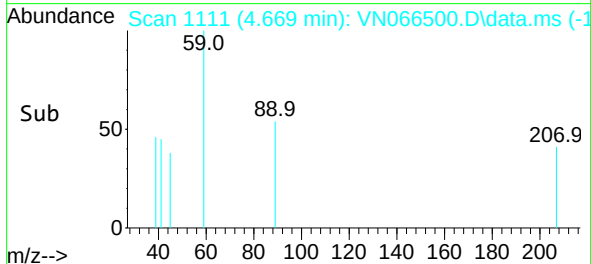


#11
Tert butyl alcohol
Concen: 1.15 ug/l
RT: 4.669 min Scan# 1111
Delta R.T. -0.013 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

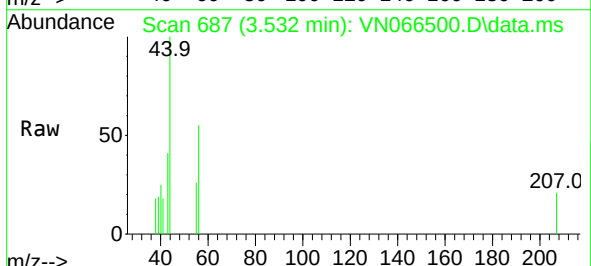
Instrument :
MSVOA_N
ClientSampled :



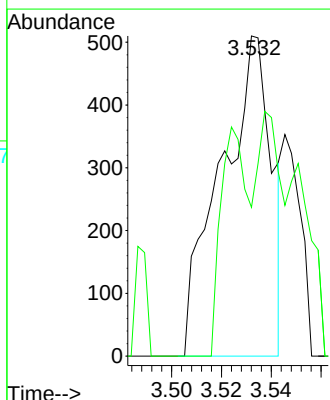
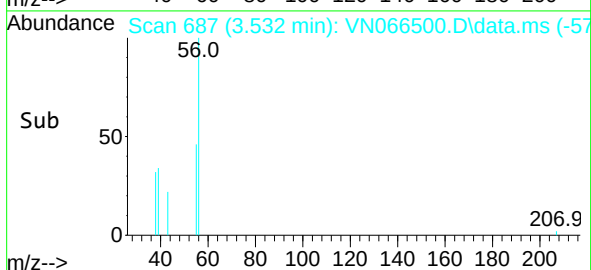
Tgt Ion: 59 Resp: 751
Ion Ratio Lower Upper
59 100
57 0.0 4.1 6.1#

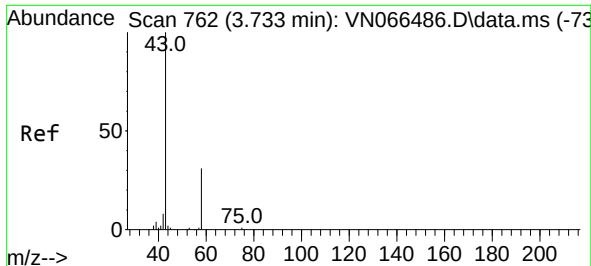


#13
Acrolein
Concen: 5.66 ug/l
RT: 3.532 min Scan# 687
Delta R.T. 0.005 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38



Tgt Ion: 56 Resp: 716
Ion Ratio Lower Upper
56 100
55 15.1 57.9 86.9#

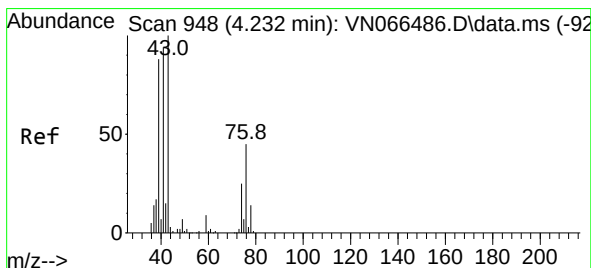
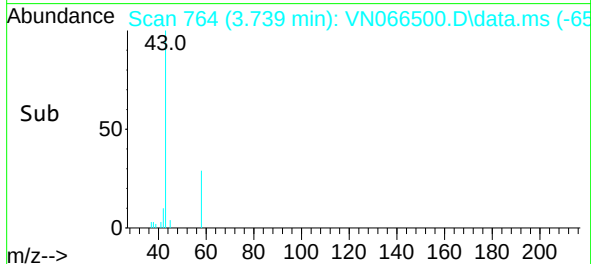
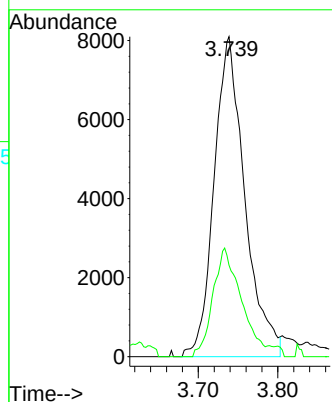
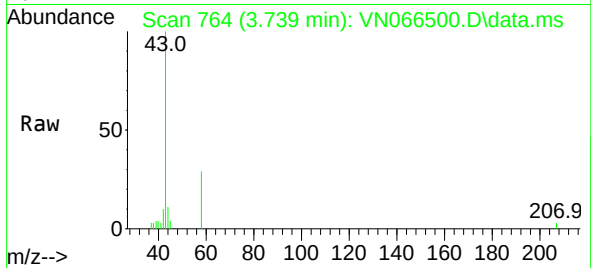




#16
Acetone
Concen: 12.82 ug/l
RT: 3.739 min Scan# 764
Delta R.T. 0.006 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

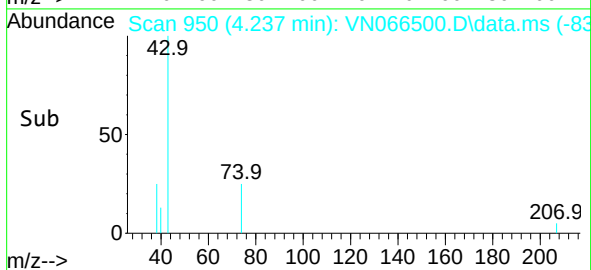
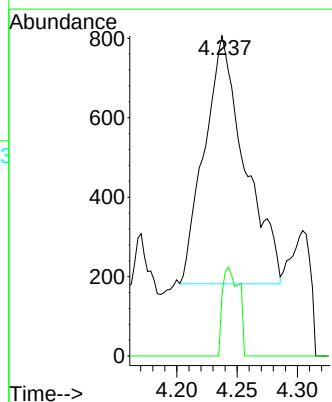
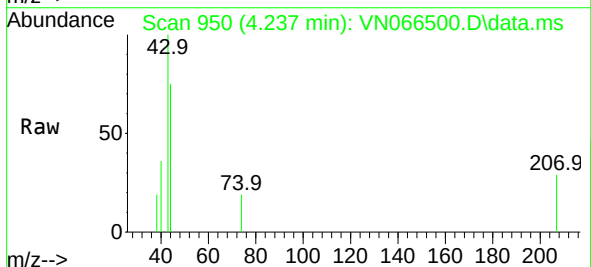
Instrument :
MSVOA_N
ClientSampled :

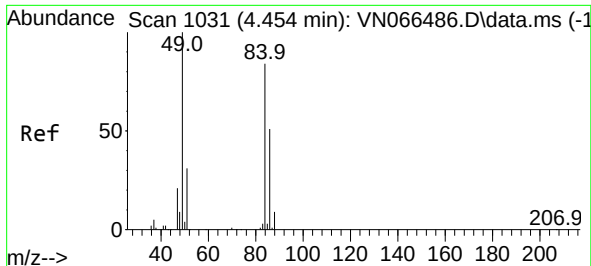
Tgt Ion: 43 Resp: 21708
Ion Ratio Lower Upper
43 100
58 28.6 23.8 35.8



#18
Methyl Acetate
Concen: 0.34 ug/l
RT: 4.237 min Scan# 950
Delta R.T. 0.005 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

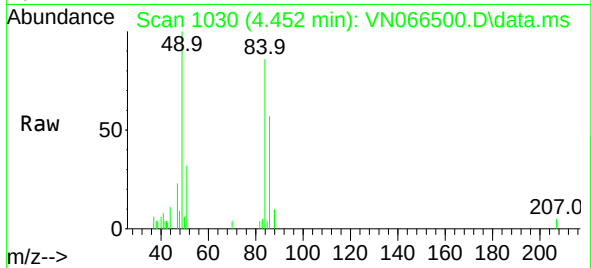
Tgt Ion: 43 Resp: 1451
Ion Ratio Lower Upper
43 100
74 14.7 17.6 26.4#





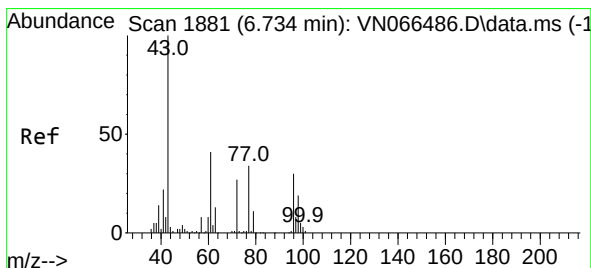
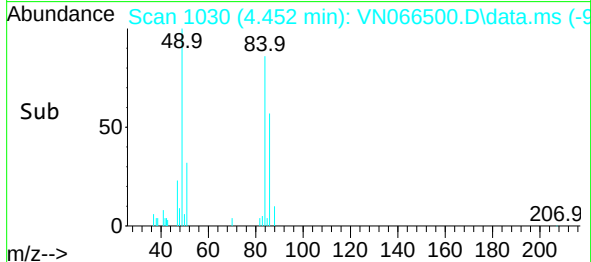
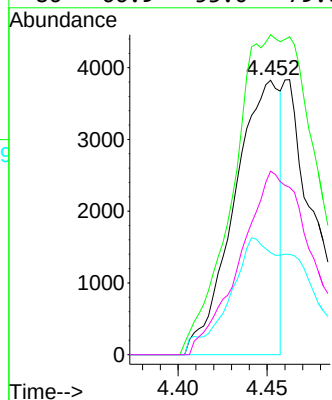
#20
Methylene Chloride
Concen: 1.88 ug/l
RT: 4.452 min Scan# 1030
Delta R.T. -0.002 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 6830

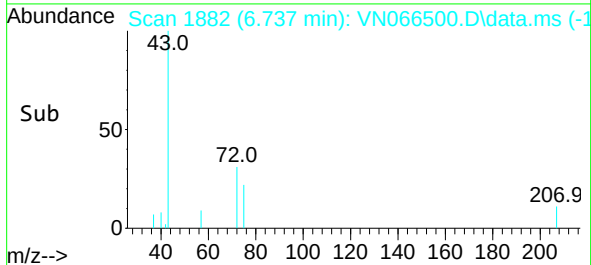
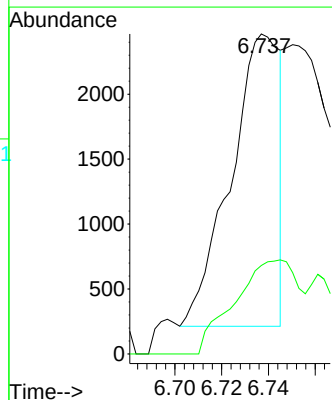
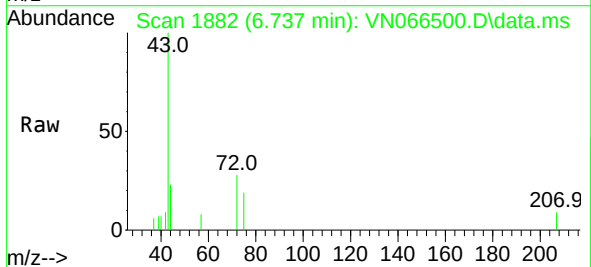
Ion	Ratio	Lower	Upper
84	100		
49	116.6	105.0	157.6
51	37.2	31.6	47.4
86	66.9	53.0	79.6

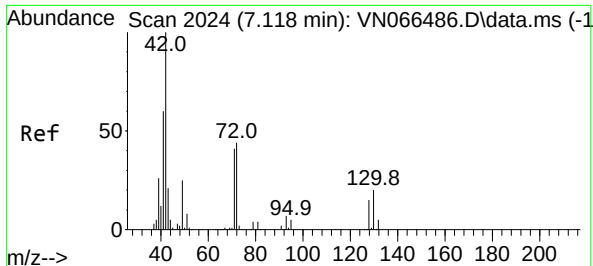


#25
2-Butanone
Concen: 1.29 ug/l
RT: 6.737 min Scan# 1882
Delta R.T. 0.003 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

Tgt Ion: 43 Resp: 3278

Ion	Ratio	Lower	Upper
43	100		
72	30.3	20.7	31.1

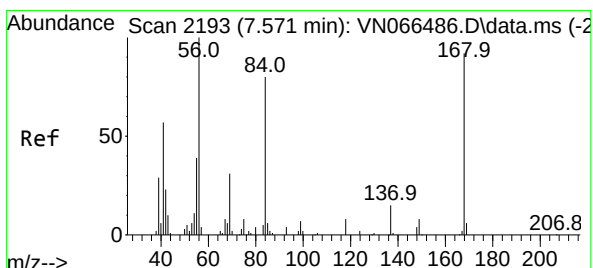
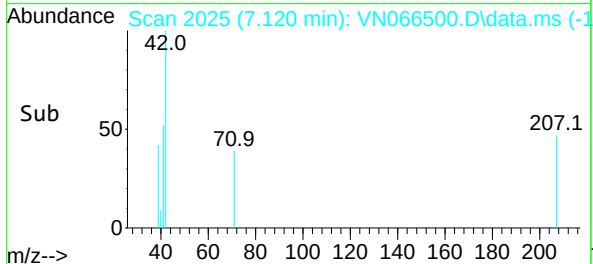
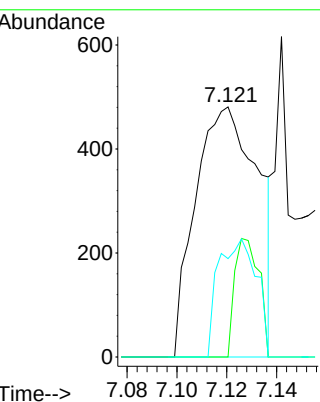
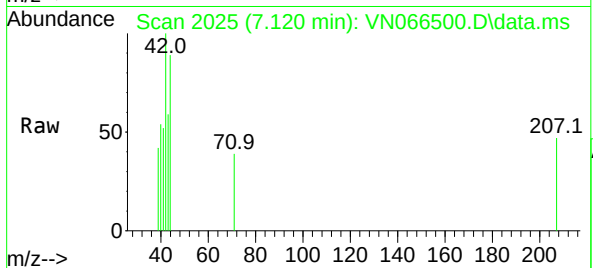




#29
Tetrahydrofuran
Concen: 0.49 ug/l
RT: 7.120 min Scan# 2025
Delta R.T. 0.002 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

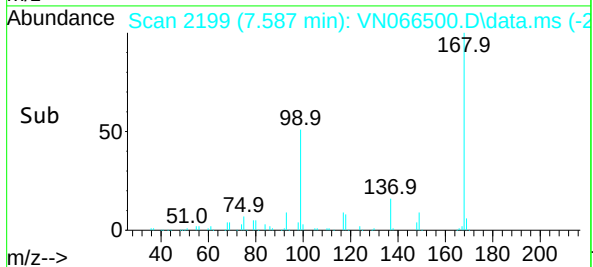
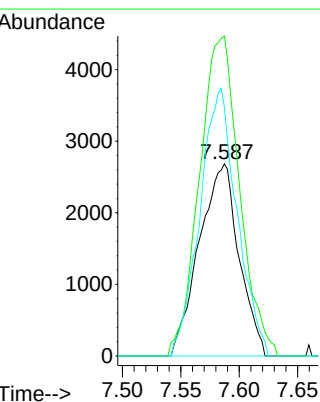
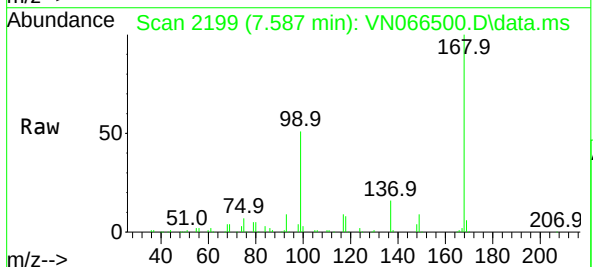
Instrument :
MSVOA_N
ClientSampleId :

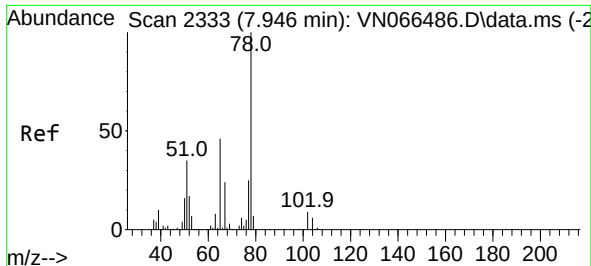
Tgt Ion: 42 Resp: 834
Ion Ratio Lower Upper
42 100
72 18.3 35.2 52.8#
71 28.7 33.1 49.7#



#31
Cyclohexane
Concen: 1.14 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.016 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

Tgt Ion: 56 Resp: 6344
Ion Ratio Lower Upper
56 100
69 166.7 26.6 40.0#
84 129.8 68.7 103.1#

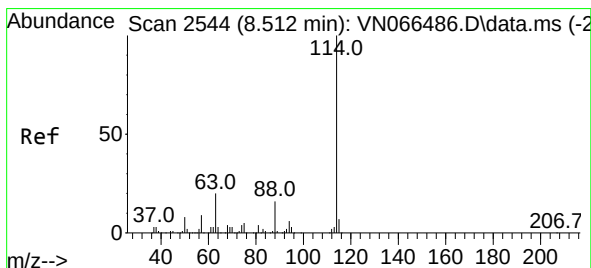
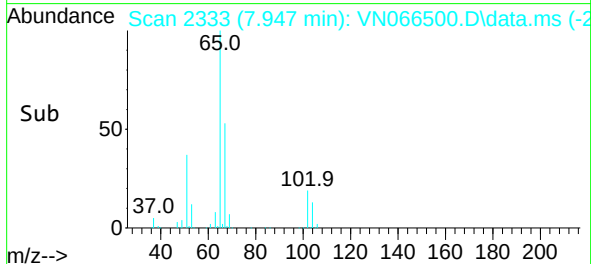
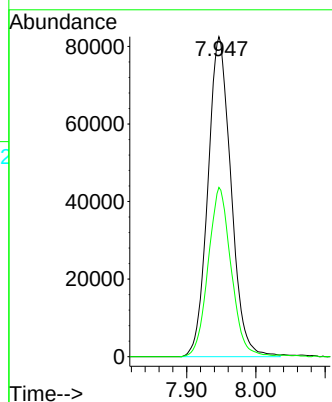
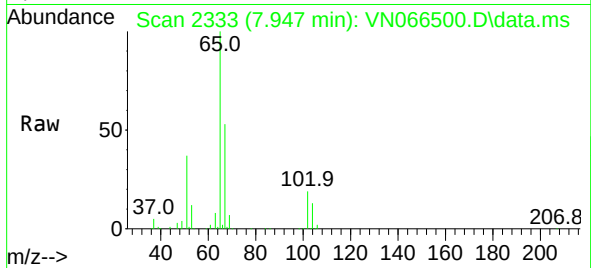




#33
 1,2-Dichloroethane-d4
 Concen: 47.33 ug/l
 RT: 7.947 min Scan# 2333
 Delta R.T. 0.001 min
 Lab File: VN066500.D
 Acq: 6 Apr 2021 18:38

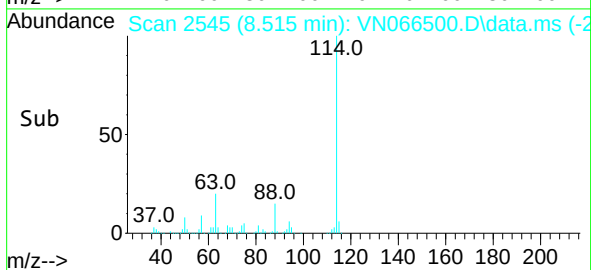
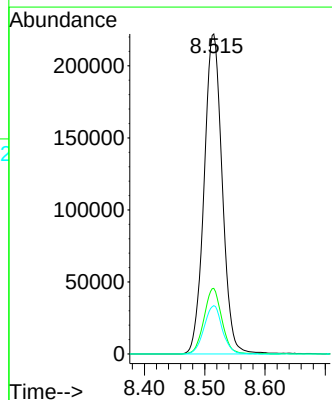
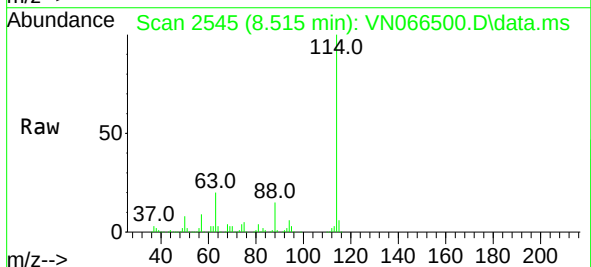
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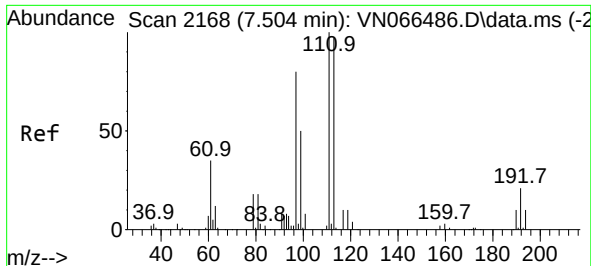
Tgt Ion: 65 Resp: 191237
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.515 min Scan# 2545
 Delta R.T. 0.003 min
 Lab File: VN066500.D
 Acq: 6 Apr 2021 18:38

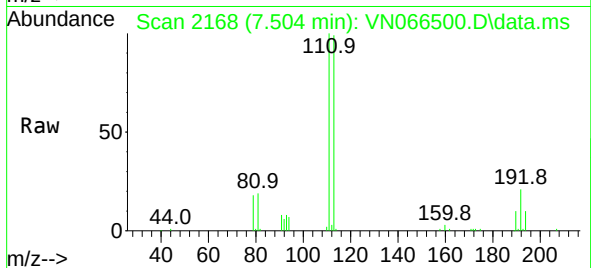
Tgt Ion: 114 Resp: 463071
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.0
 88 15.1 0.0 31.0



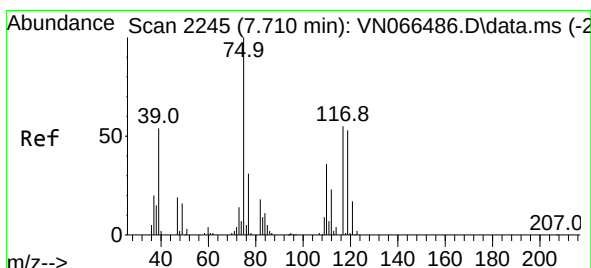
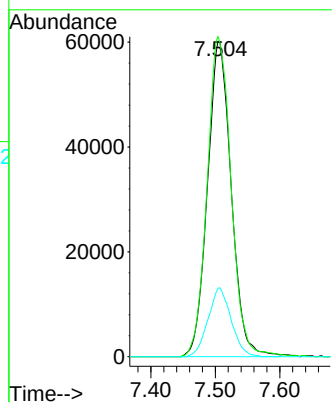
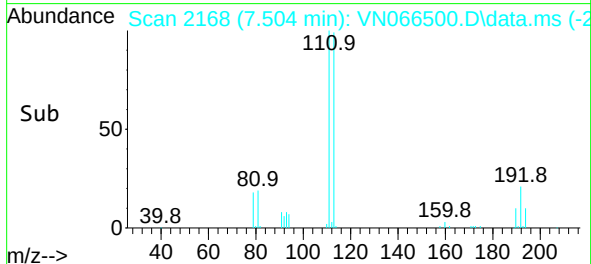


#35
Dibromofluoromethane
Concen: 48.69 ug/l
RT: 7.504 min Scan# 2168
Delta R.T. 0.000 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

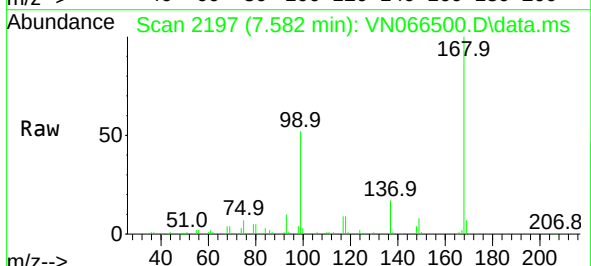
Instrument :
MSVOA_N
ClientSampled :



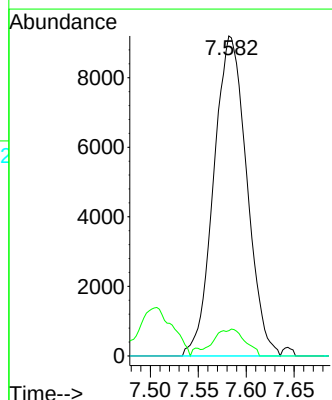
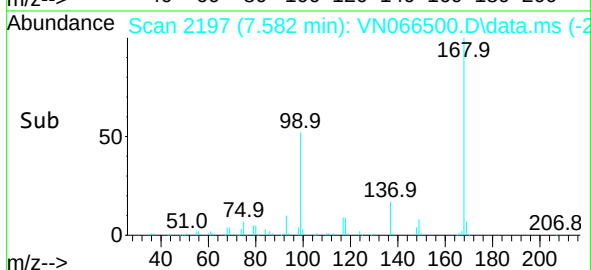
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Ion Ratio Lower Upper
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111 102.9 81.8 122.8
192 21.3 17.1 25.7

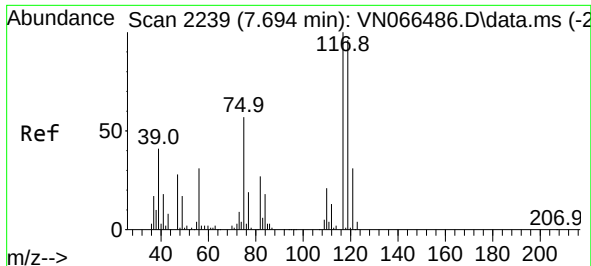


#36
1,1-Dichloropropene
Concen: 4.89 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.128 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38



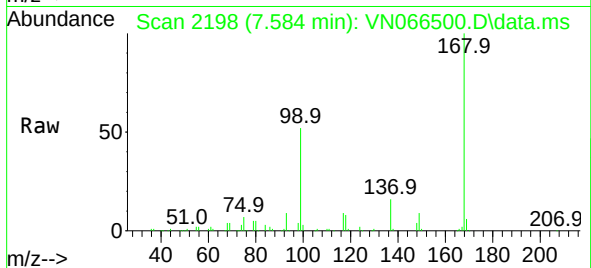
Tgt Ion: 75 Resp: 22002
Ion Ratio Lower Upper
75 100
110 7.7 18.1 54.3#
77 0.0 25.0 37.4#



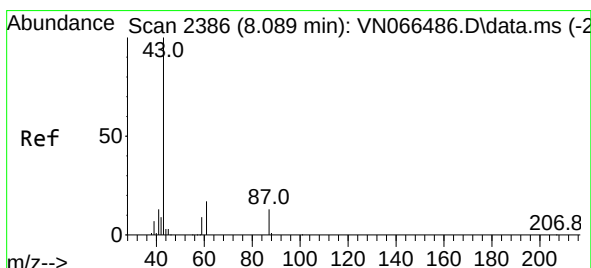
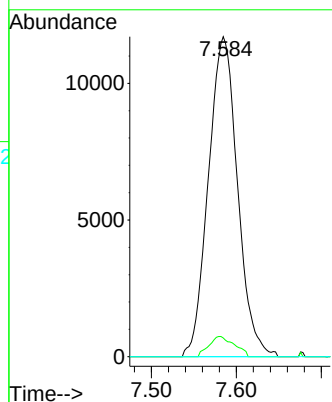
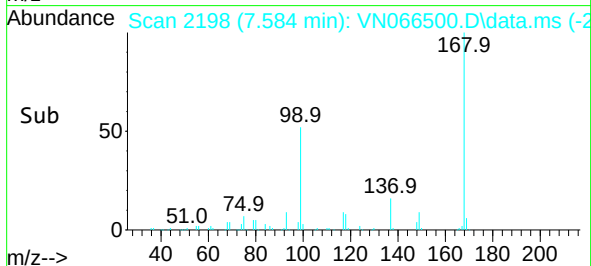


#38
Carbon Tetrachloride
Concen: 6.12 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.110 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

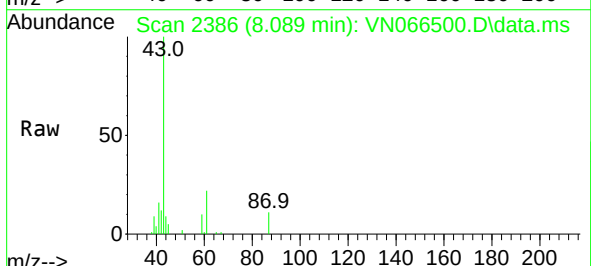
Instrument :
MSVOA_N
ClientSampled :



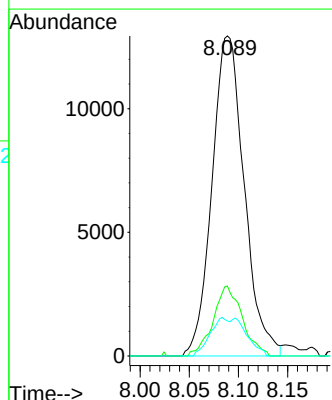
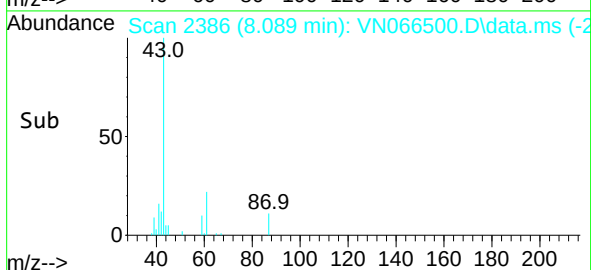
Tgt Ion: 117 Resp: 27920
Ion Ratio Lower Upper
117 100
119 5.8 77.2 115.8#
121 0.0 24.2 36.4#

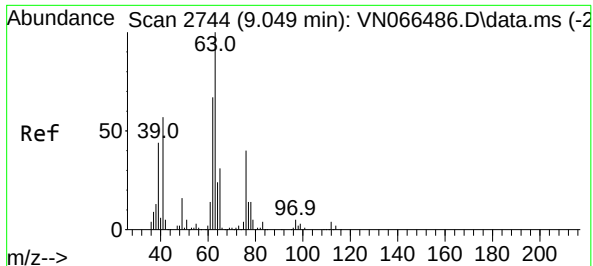


#43
Isopropyl Acetate
Concen: 3.42 ug/l
RT: 8.089 min Scan# 2386
Delta R.T. -0.000 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38



Tgt Ion: 43 Resp: 29486
Ion Ratio Lower Upper
43 100
61 19.8 15.5 23.3
87 7.3 10.5 15.7#

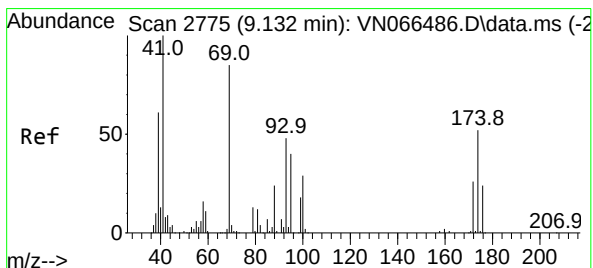
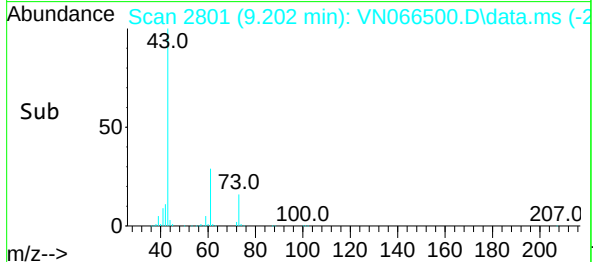
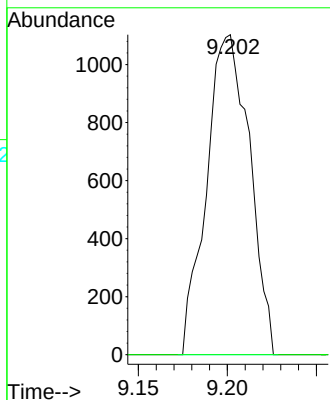
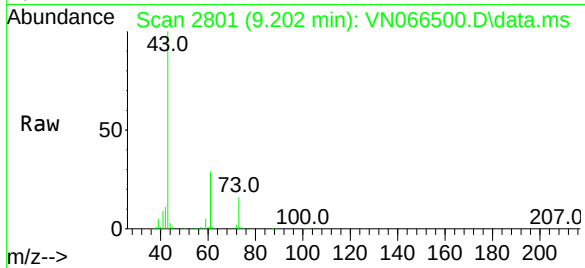




#45
1,2-Dichloropropane
Concen: 0.49 ug/l
RT: 9.202 min Scan# 2801
Delta R.T. 0.153 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

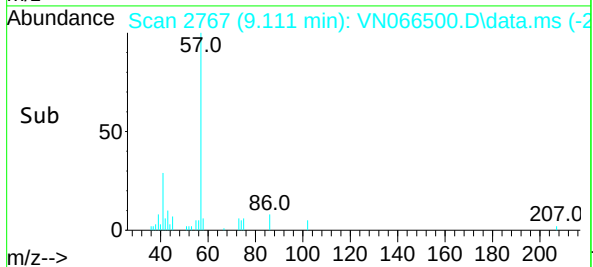
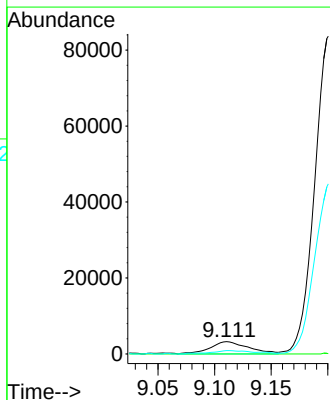
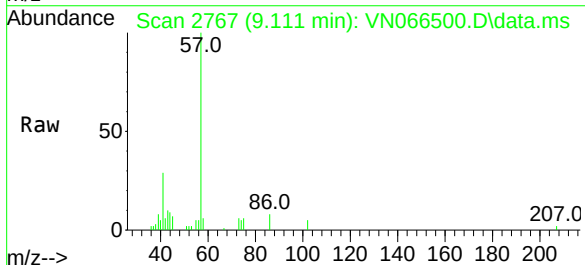
Instrument :
MSVOA_N
ClientSampled :

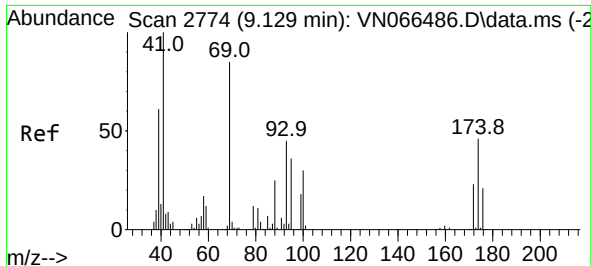
Tgt Ion: 63 Resp: 1857
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#



#48
Methyl methacrylate
Concen: 2.01 ug/l
RT: 9.111 min Scan# 2767
Delta R.T. -0.021 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

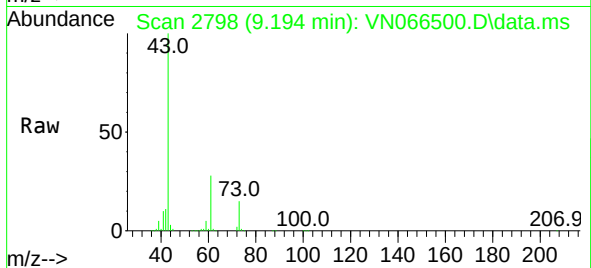
Tgt Ion: 41 Resp: 7690
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



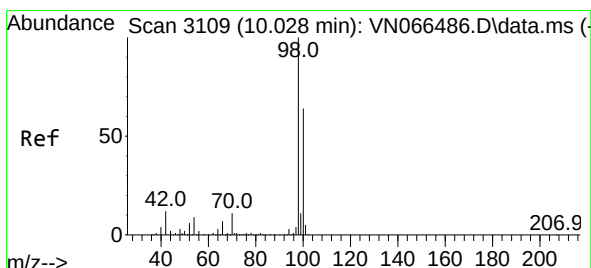
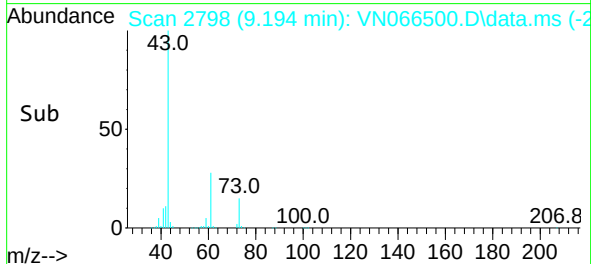
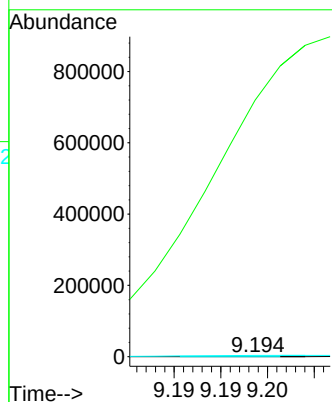


#49
1,4-Dioxane
Concen: 1.17 ug/l
RT: 9.194 min Scan# 2798
Delta R.T. 0.065 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

Instrument :
MSVOA_N
ClientSampled :

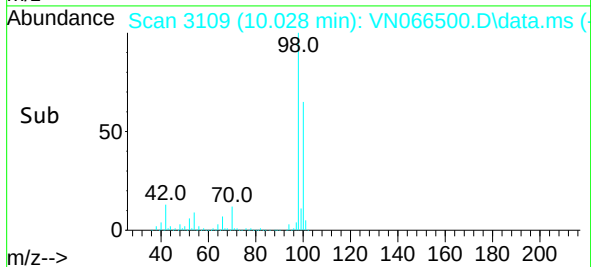
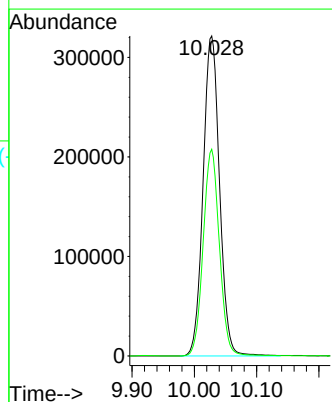
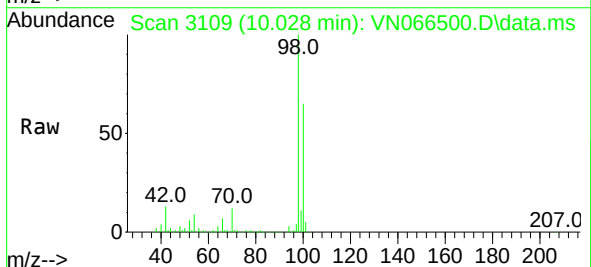


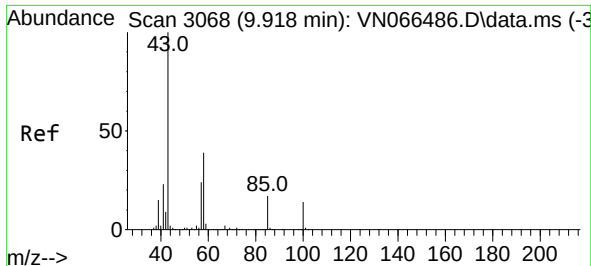
Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 13019.7 56.6 84.8#



#50
Toluene-d8
Concen: 49.22 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

Tgt Ion: 98 Resp: 590191
Ion Ratio Lower Upper
98 100
100 63.5 50.5 75.7

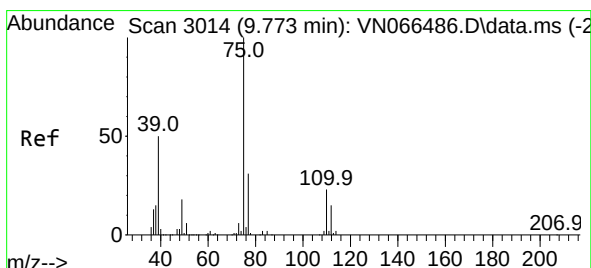
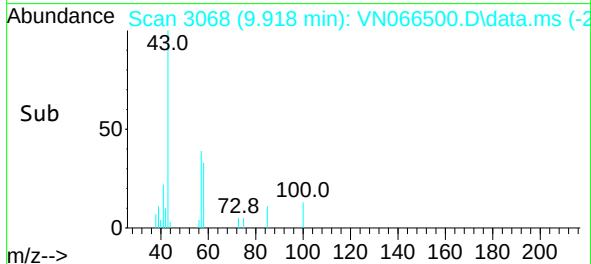
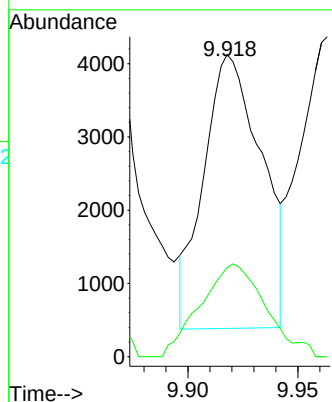
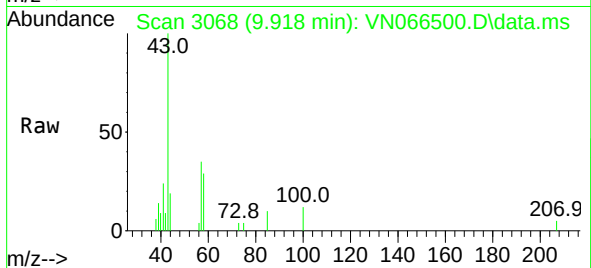




#51
4-Methyl-2-Pentanone
Concen: 1.33 ug/l
RT: 9.918 min Scan# 3068
Delta R.T. -0.000 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

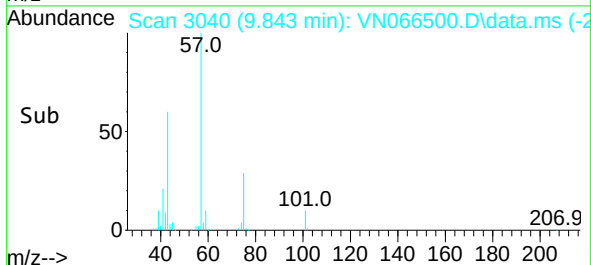
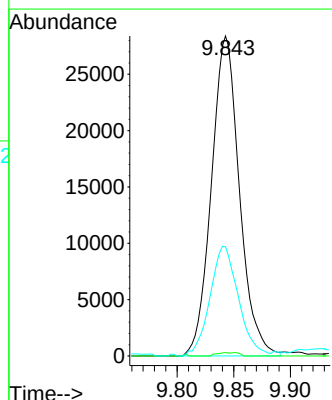
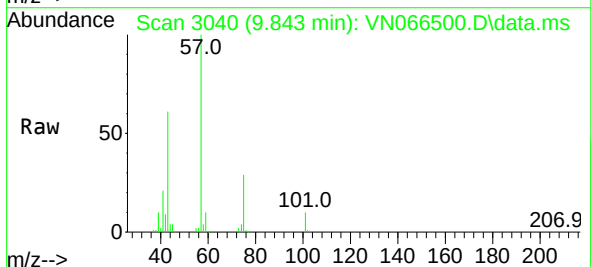
Instrument :
MSVOA_N
ClientSampled :

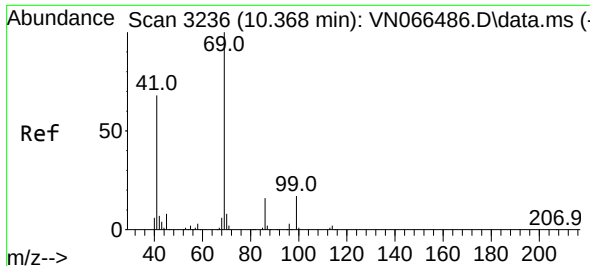
Tgt Ion: 43 Resp: 6837
Ion Ratio Lower Upper
43 100
58 38.1 30.8 46.2



#54
cis-1,3-Dichloropropene
Concen: 8.49 ug/l
RT: 9.843 min Scan# 3040
Delta R.T. 0.070 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

Tgt Ion: 75 Resp: 48760
Ion Ratio Lower Upper
75 100
77 1.0 25.4 38.2#
39 34.1 44.2 66.4#

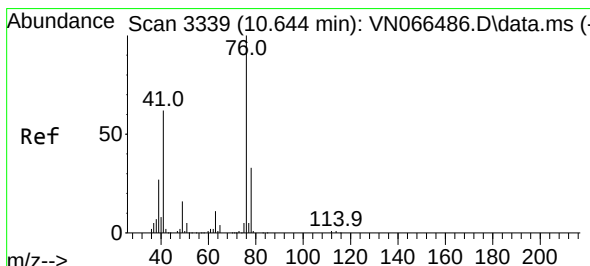
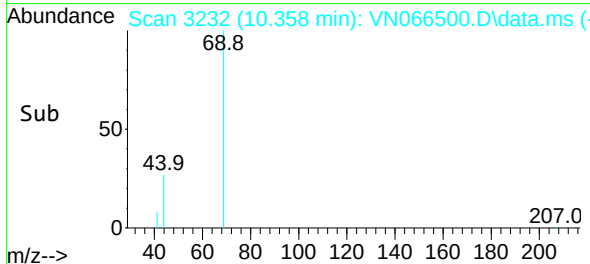
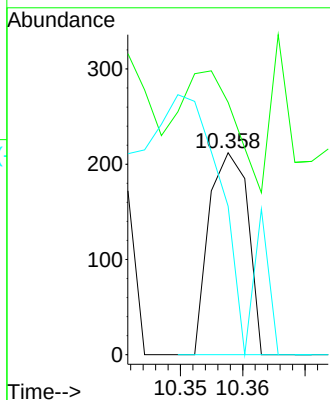
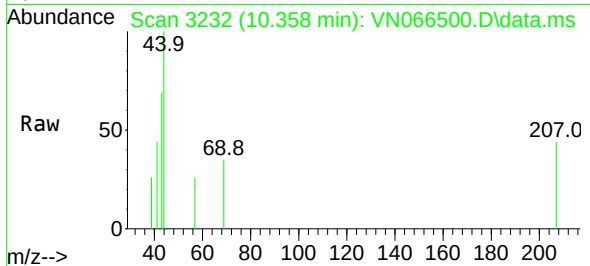




#56
Ethyl methacrylate
Concen: 3.73 ug/l
RT: 10.358 min Scan# 3232
Delta R.T. -0.010 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

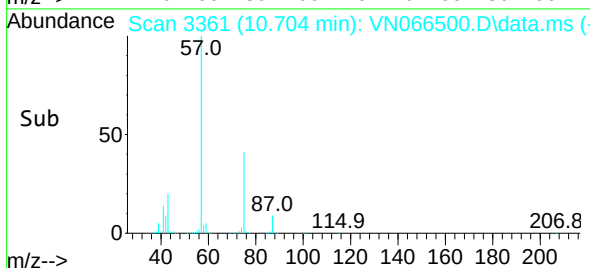
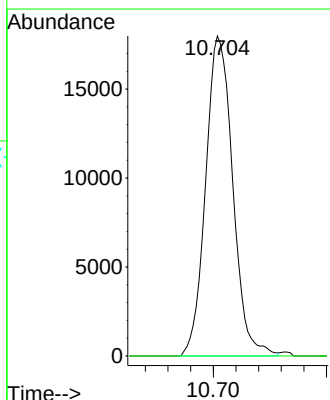
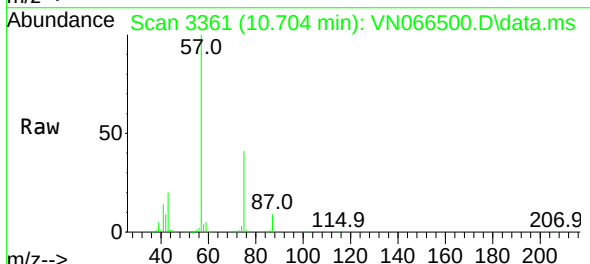
Instrument :
MSVOA_N
ClientSampled :

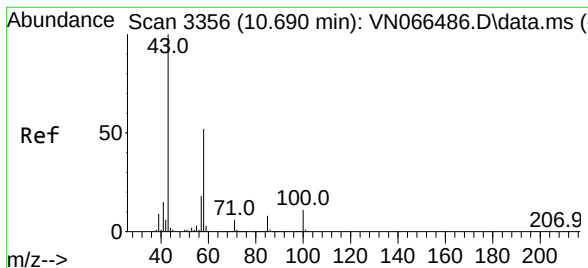
Tgt Ion: 69 Resp: 92
Ion Ratio Lower Upper
69 100
41 0.0 55.3 82.9#
39 0.0 33.8 50.6#



#57
1,3-Dichloropropane
Concen: 5.17 ug/l
RT: 10.704 min Scan# 3361
Delta R.T. 0.060 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

Tgt Ion: 76 Resp: 29879
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

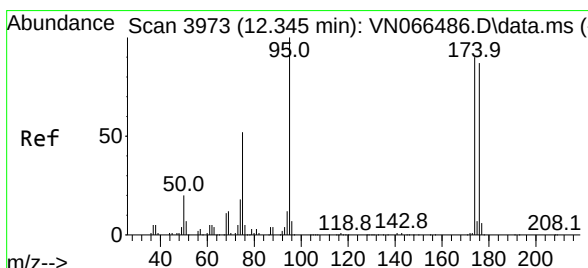
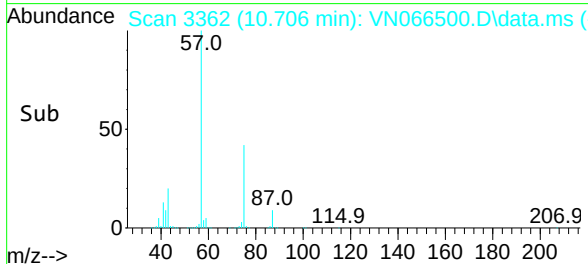
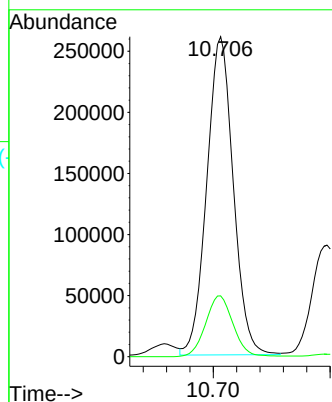
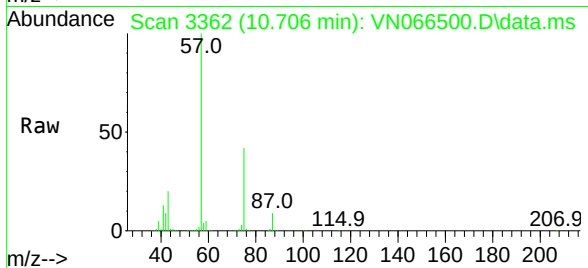




#59
2-Hexanone
Concen: 109.63 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.016 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

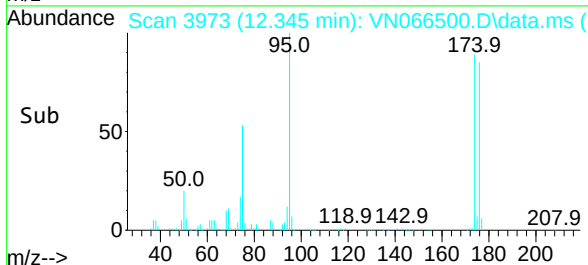
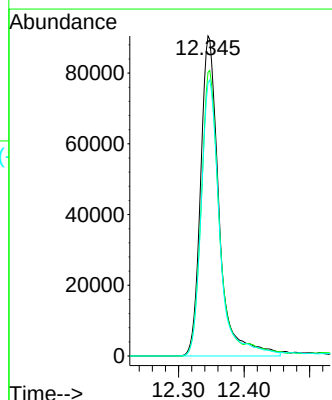
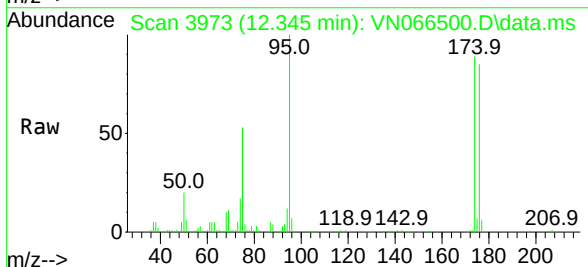
Instrument :
MSVOA_N
ClientSampled :

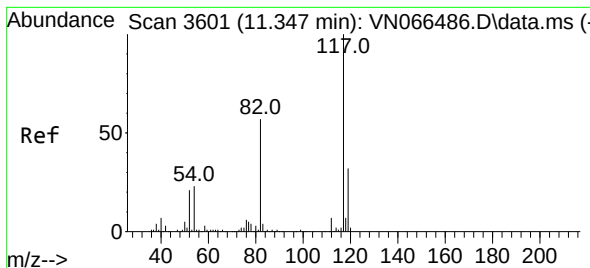
Tgt Ion: 43 Resp: 410237
Ion Ratio Lower Upper
43 100
58 19.9 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 45.43 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.000 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

Tgt Ion: 95 Resp: 176665
Ion Ratio Lower Upper
95 100
174 84.8 0.0 172.2
176 87.0 0.0 167.8

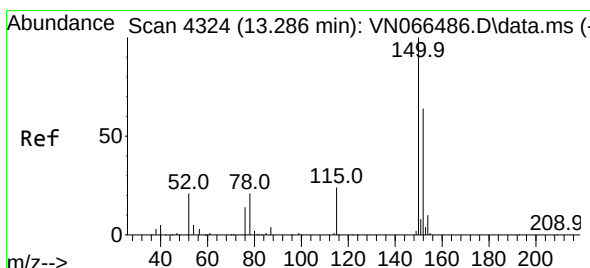
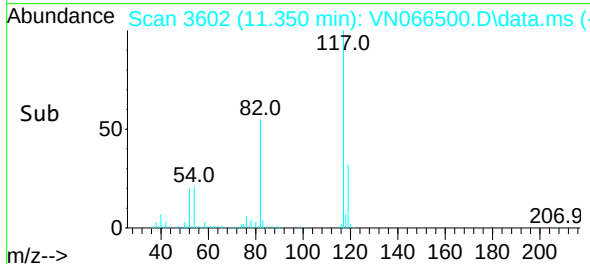
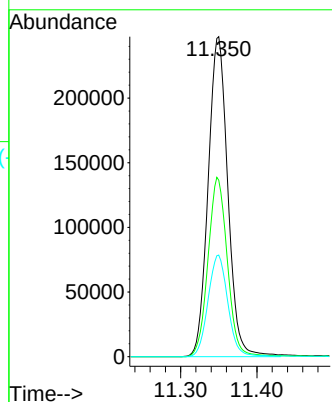
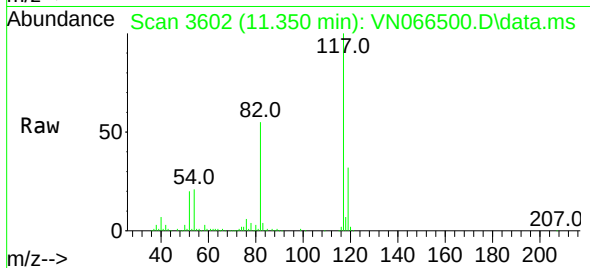




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

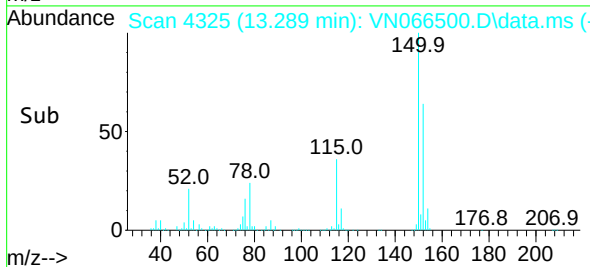
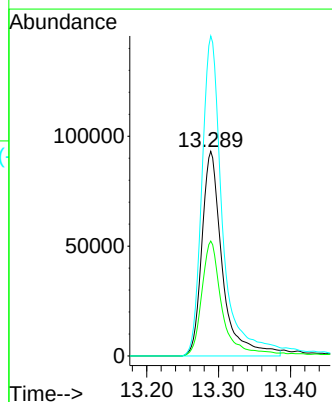
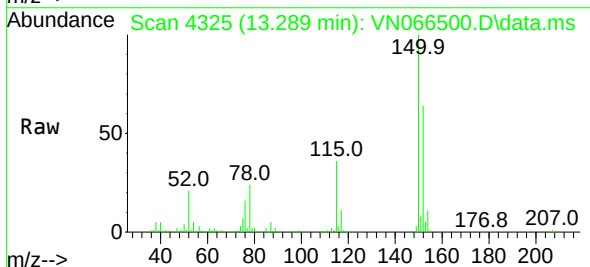
Instrument :
MSVOA_N
ClientSampleId :

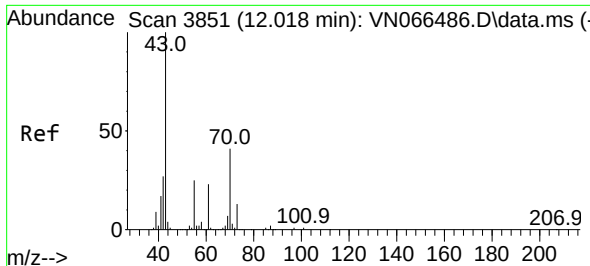
Tgt Ion:117 Resp: 442923
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.4
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

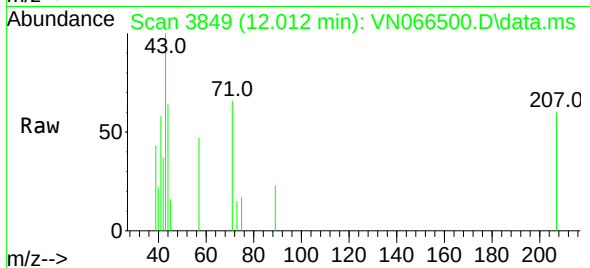
Tgt Ion:152 Resp: 185283
Ion Ratio Lower Upper
152 100
115 55.8 27.8 83.4
150 157.3 0.0 348.4



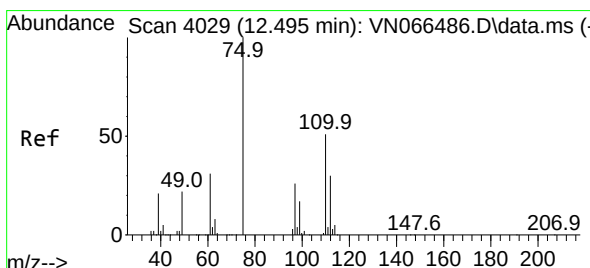
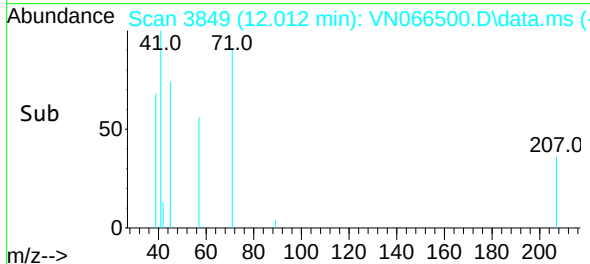
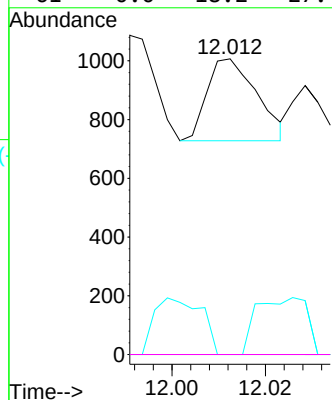


#74
N-amy1 acetate
Concen: 12.76 ug/l
RT: 12.012 min Scan# 3849
Delta R.T. -0.006 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

Instrument :
MSVOA_N
ClientSampled :

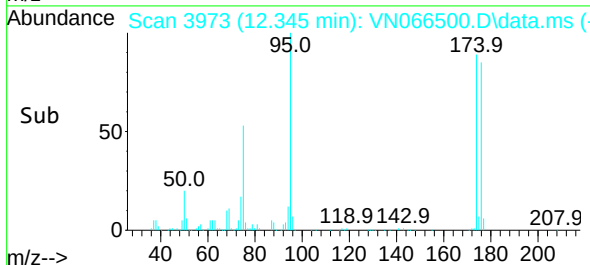
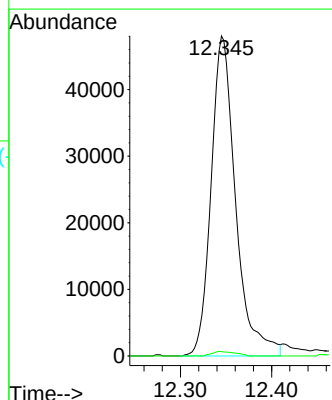
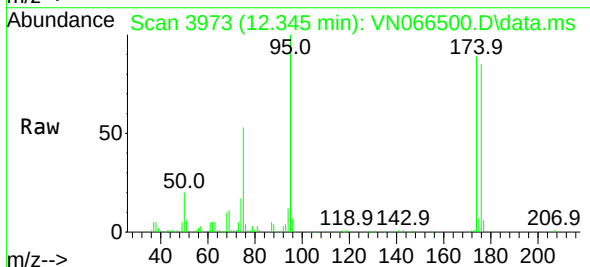


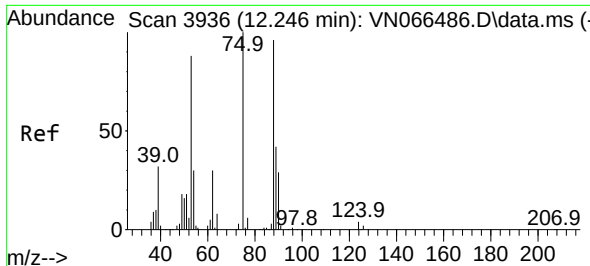
Tgt Ion: 43 Resp: 206
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 69.9 18.6 28.0#
61 0.0 18.2 27.4#



#76
1,2,3-Trichloropropane
Concen: 21.50 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.150 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

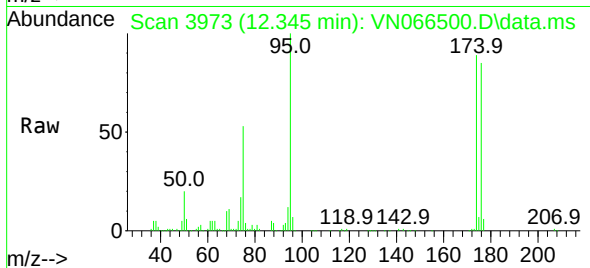
Tgt Ion: 75 Resp: 89843
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



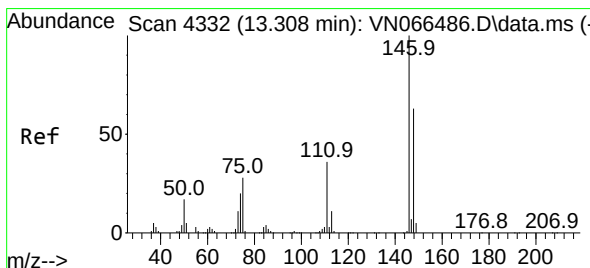
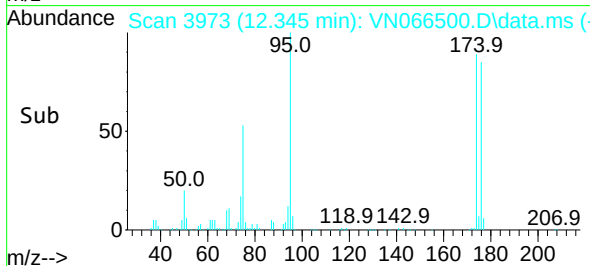
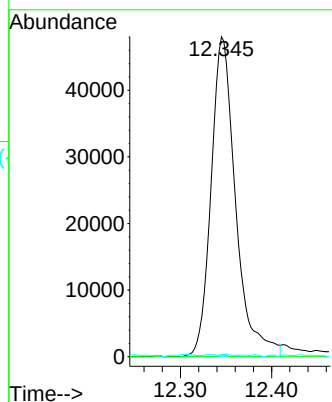


#81
trans-1,4-Dichloro-2-butene
Concen: 59.95 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

Instrument :
MSVOA_N
ClientSampled :

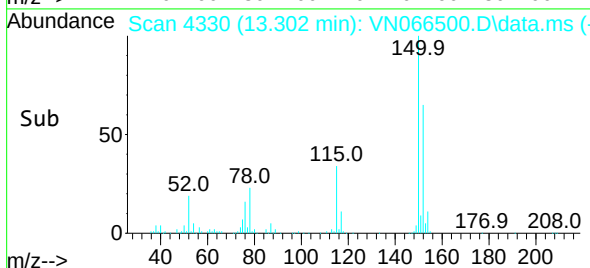
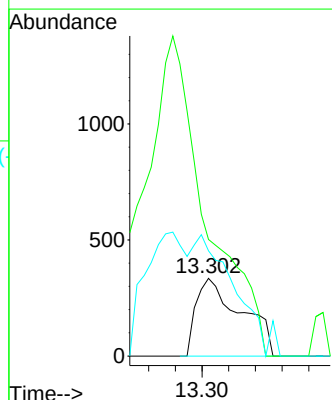
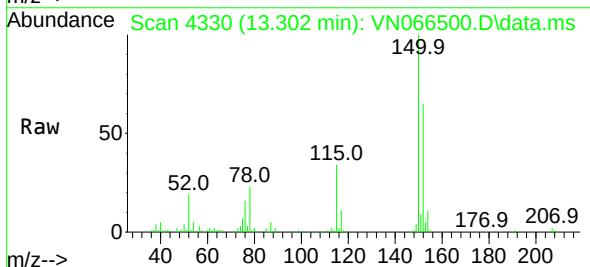


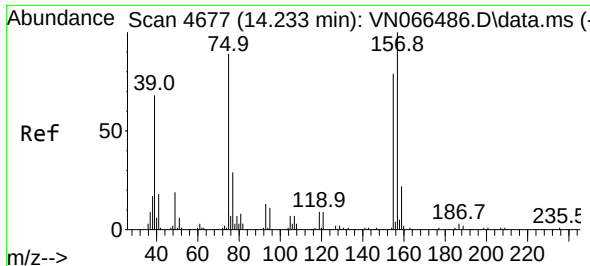
Tgt Ion: 75 Resp: 89843
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.1 35.7 53.5#



#88
1,4-Dichlorobenzene
Concen: 1.06 ug/l
RT: 13.302 min Scan# 4330
Delta R.T. -0.006 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

Tgt Ion: 146 Resp: 393
Ion Ratio Lower Upper
146 100
111 561.1 18.3 54.9#
148 143.5 31.9 95.9#

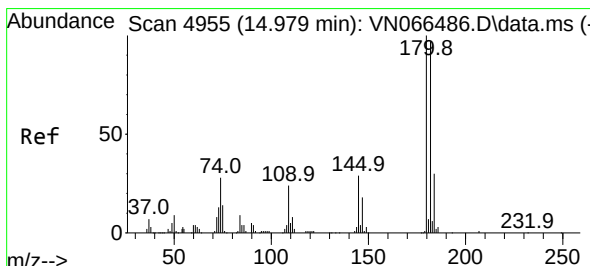
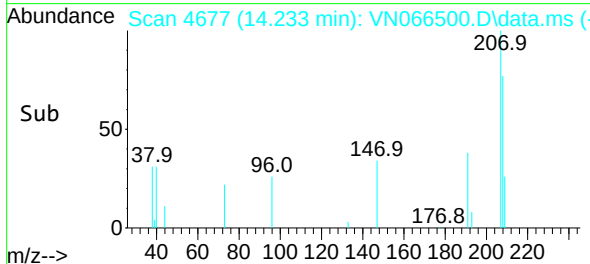
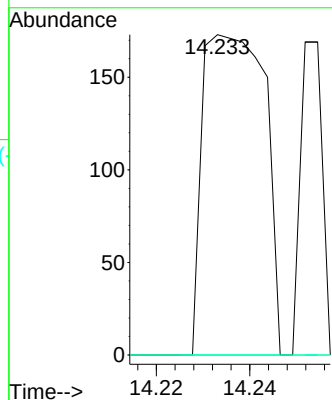
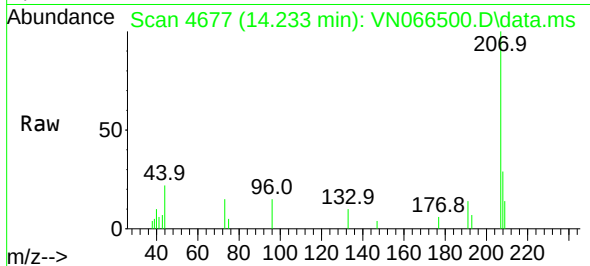




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.50 ug/l
RT: 14.233 min Scan# 4677
Delta R.T. 0.000 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

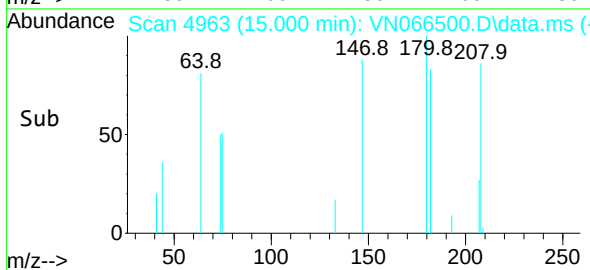
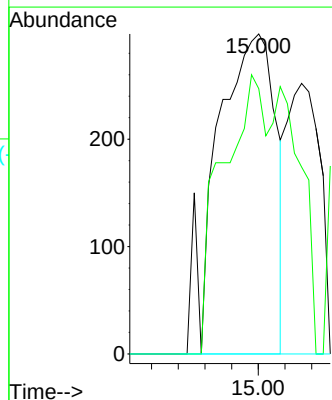
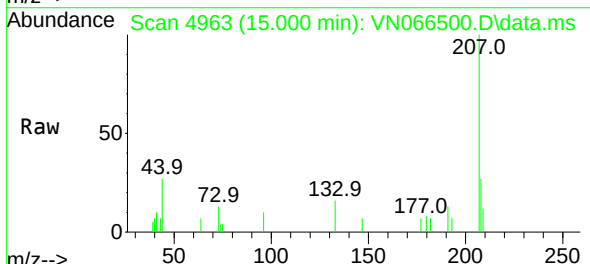
Instrument :
MSVOA_N
ClientSampled :

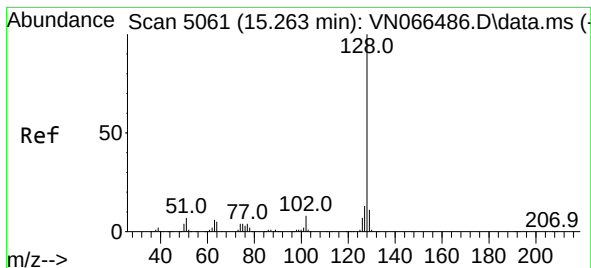
Tgt Ion: 75 Resp: 160
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.3#
157 0.0 57.6 172.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.35 ug/l
RT: 15.000 min Scan# 4963
Delta R.T. 0.021 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

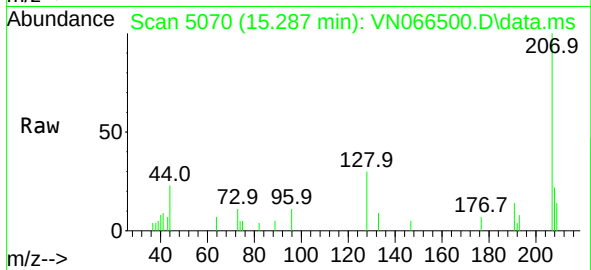
Tgt Ion:180 Resp: 454
Ion Ratio Lower Upper
180 100
182 64.1 47.4 142.3
145 0.0 14.2 42.8#



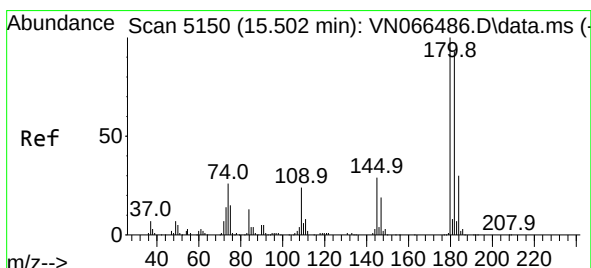
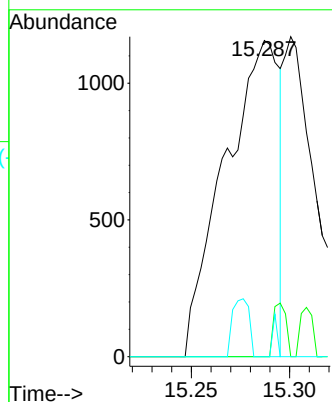
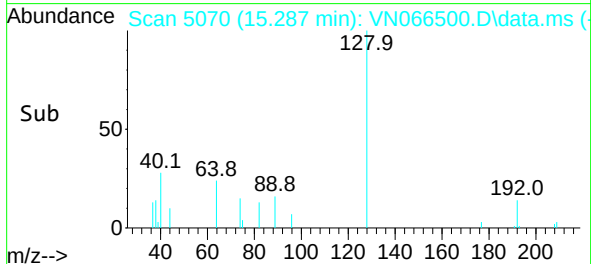


#95
Naphthalene
Concen: 2.17 ug/l
RT: 15.287 min Scan# 5070
Delta R.T. 0.024 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38

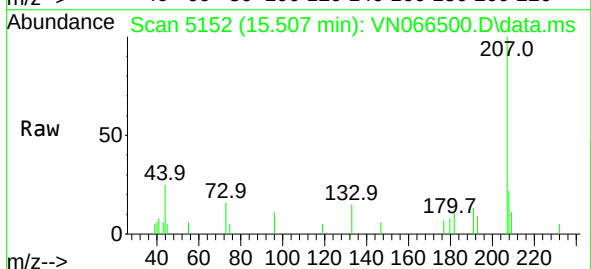
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 2222
Ion Ratio Lower Upper
128 100
127 3.9 10.5 15.7#
129 1.1 8.5 12.7#



#96
1,2,3-Trichlorobenzene
Concen: 1.74 ug/l
RT: 15.507 min Scan# 5152
Delta R.T. 0.005 min
Lab File: VN066500.D
Acq: 6 Apr 2021 18:38



Tgt Ion:180 Resp: 470
Ion Ratio Lower Upper
180 100
182 103.0 47.6 142.9
145 0.0 15.4 46.1#

