

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040221\
 Data File : VN066479.D
 Acq On : 2 Apr 2021 19:49
 Operator : JC/MD
 Sample : PB135489TB
 Misc : 5.98g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135489TB

Quant Time: Apr 03 03:26:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 01 14:08:22 2021
 Response via : Initial Calibration

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

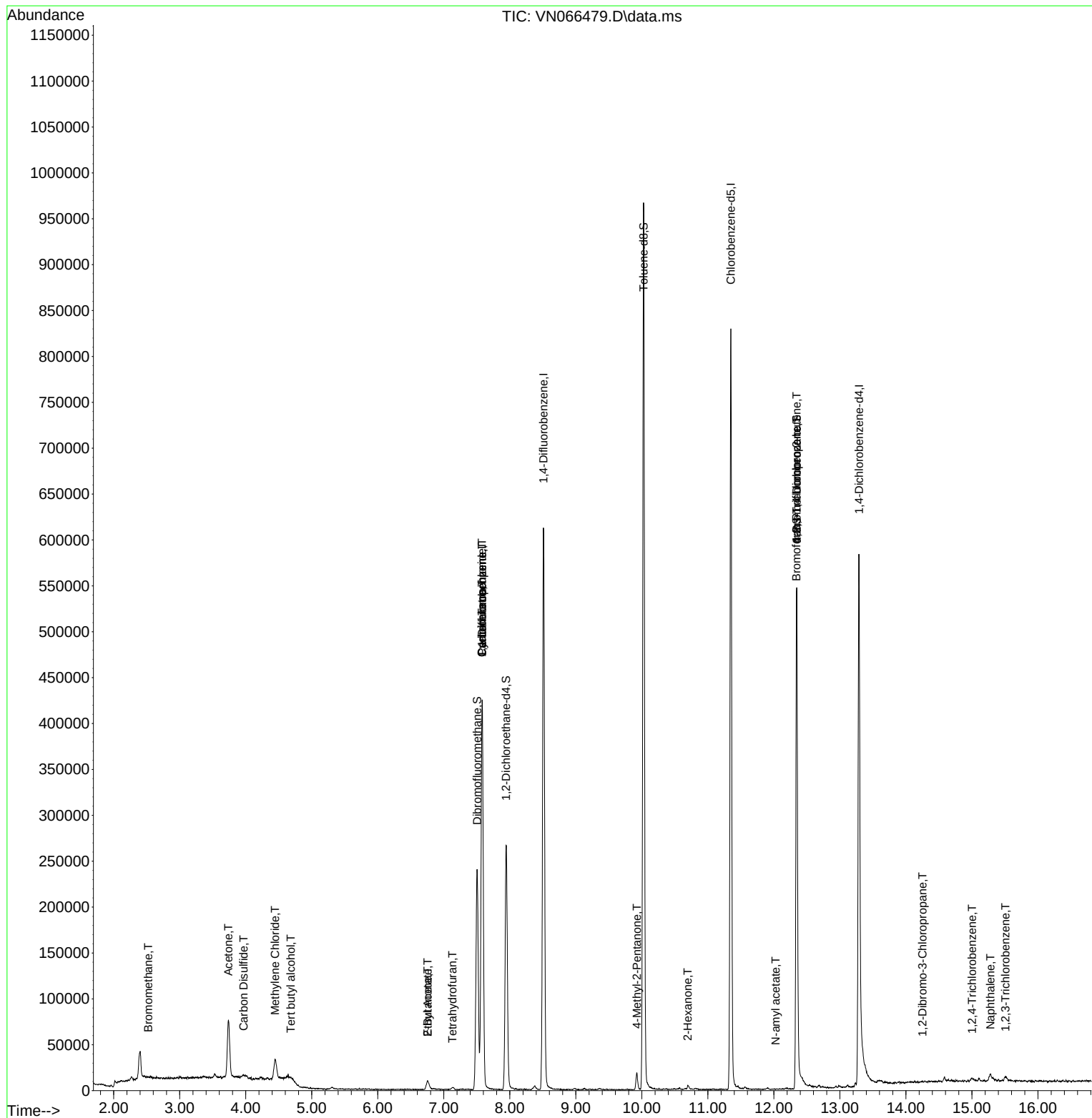
Internal Standards						
1) Pentafluorobenzene	7.582	168	360183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.510	114	535758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	476385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	209656	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.944	65	223689	46.72	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.44%		
35) Dibromofluoromethane	7.504	113	181694	51.16	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.32%		
50) Toluene-d8	10.025	98	647377	48.05	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.10%		
62) 4-Bromofluorobenzene	12.345	95	186686	39.90	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	79.80%#		
Target Compounds						Qvalue
3) Chloromethane	2.017	50	2663	Below Cal		97
5) Bromomethane	2.524	94	980	0.28 ug/l #		74
11) Tert butyl alcohol	4.683	59	340	0.47 ug/l #		1
13) Acrolein	3.532	56	2875	Below Cal		93
16) Acetone	3.736	43	99426	38.43 ug/l		99
17) Carbon Disulfide	3.967	76	3673	0.30 ug/l #		70
20) Methylene Chloride	4.441	84	13514	1.66 ug/l		91
25) 2-Butanone	6.756	43	13283	4.70 ug/l		96
29) Tetrahydrofuran	7.129	42	1024	0.55 ug/l #		76
31) Cyclohexane	7.579	56	7249	1.09 ug/l #		1
36) 1,1-Dichloropropene	7.579	75	26144	5.19 ug/l #		49
37) Ethyl Acetate	6.756	43	13283	2.40 ug/l #		69
38) Carbon Tetrachloride	7.579	117	32427	6.41 ug/l #		17
51) 4-Methyl-2-Pentanone	9.923	43	13011	2.35 ug/l		98
59) 2-Hexanone	10.696	43	2502	0.65 ug/l		87
71) Bromoform	12.340	173	2255	0.74 ug/l #		1
74) N-amyl acetate	12.026	43	121	3.21 ug/l #		45
76) 1,2,3-Trichloropropane	12.345	75	94219	20.48 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.345	75	94219	61.59 ug/l #		12
92) 1,2-Dibromo-3-Chloropr...	14.252	75	197	0.21 ug/l #		1
93) 1,2,4-Trichlorobenzene	15.000	180	1773	0.44 ug/l #		72
95) Naphthalene	15.279	128	11593	2.01 ug/l #		91
96) 1,2,3-Trichlorobenzene	15.507	180	2328	0.57 ug/l		72

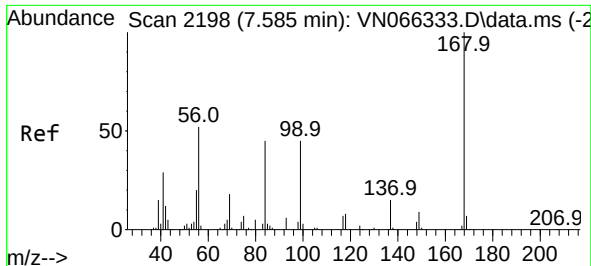
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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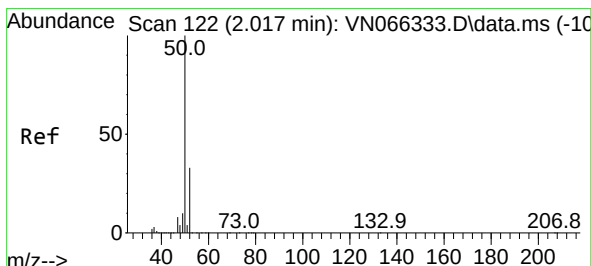
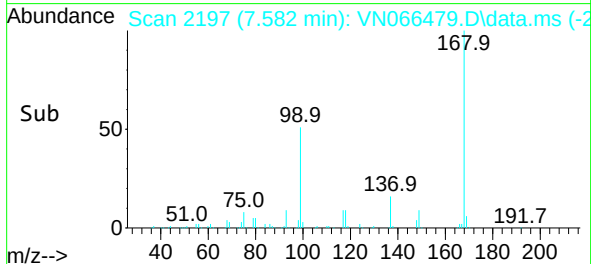
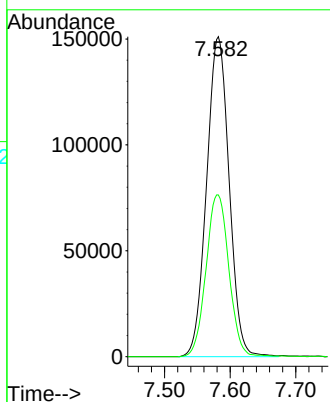
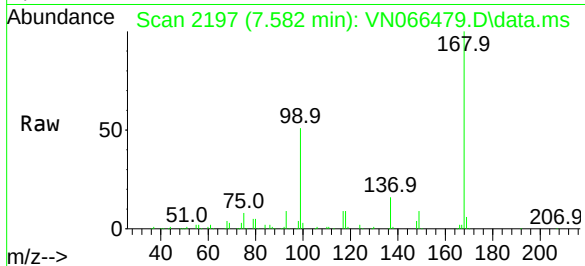




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. 0.003 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

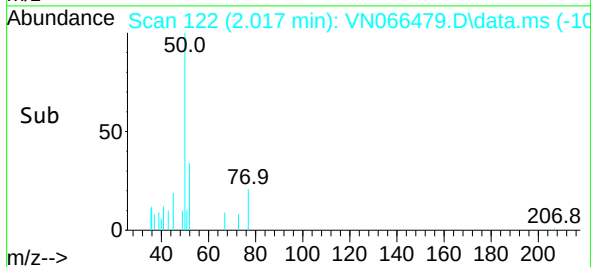
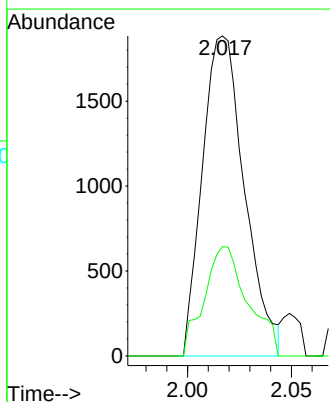
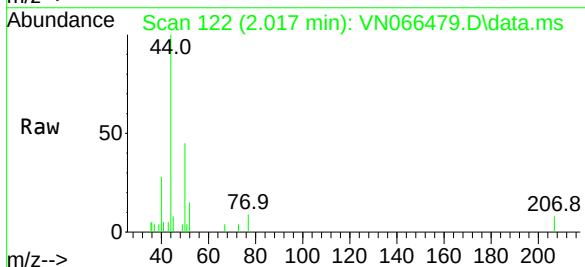
Instrument :
MSVOA_N
ClientSampleId :
PB135489TB

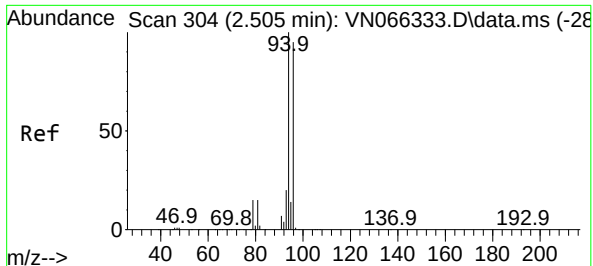
Tgt Ion:168 Resp: 360183
Ion Ratio Lower Upper
168 100
99 50.5 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.017 min Scan# 122
Delta R.T. 0.000 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

Tgt Ion: 50 Resp: 2663
Ion Ratio Lower Upper
50 100
52 34.1 26.2 39.2

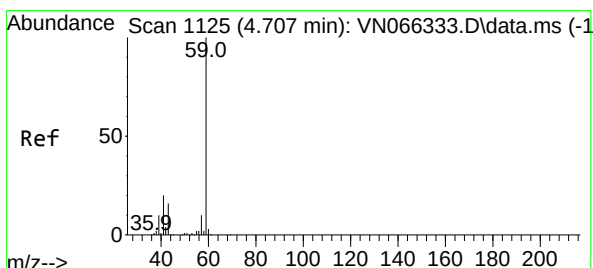
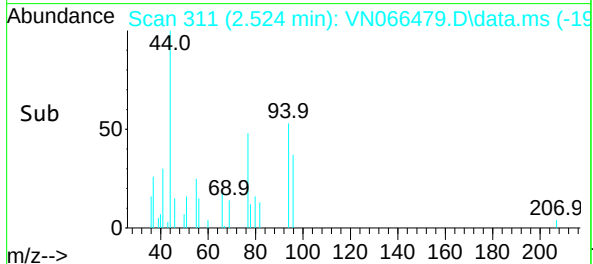
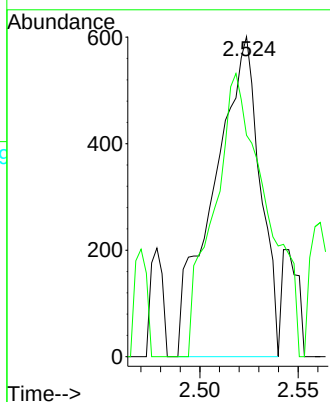
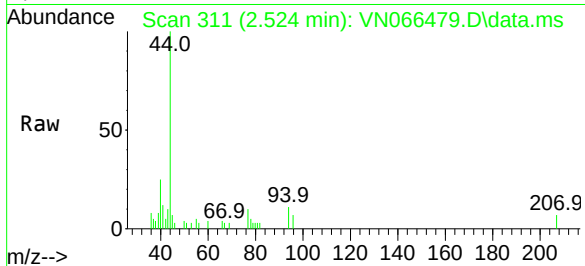




#5
Bromomethane
Concen: 0.28 ug/l
RT: 2.524 min Scan# 311
Delta R.T. 0.011 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

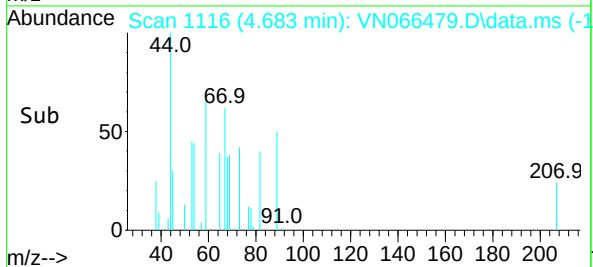
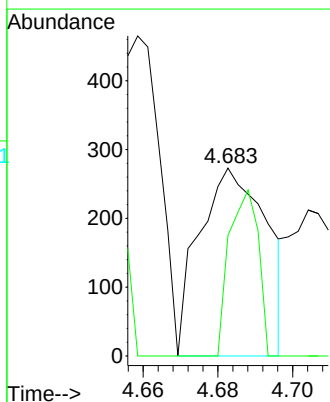
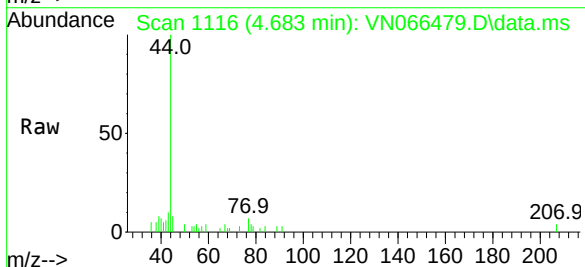
Instrument :
MSVOA_N
ClientSampleId :
PB135489TB

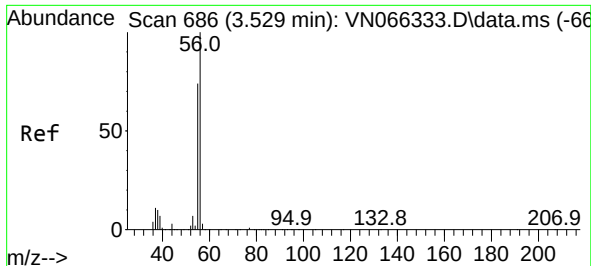
Tgt Ion: 94 Resp: 980
Ion Ratio Lower Upper
94 100
96 69.2 75.8 113.6#



#11
Tert butyl alcohol
Concen: 0.47 ug/l
RT: 4.683 min Scan# 1116
Delta R.T. -0.019 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

Tgt Ion: 59 Resp: 340
Ion Ratio Lower Upper
59 100
57 38.2 4.1 6.1#

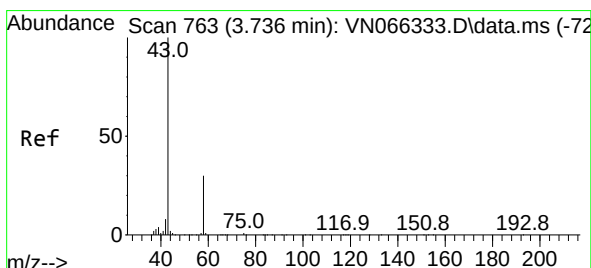
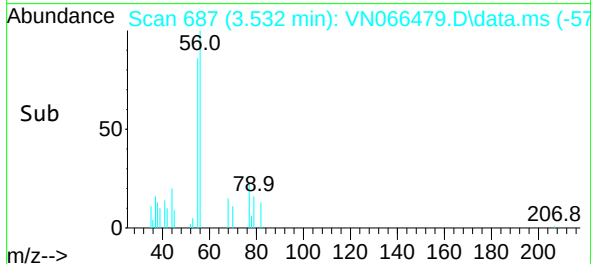
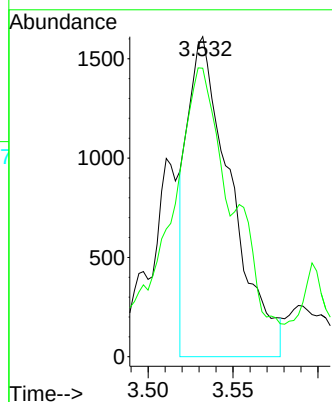
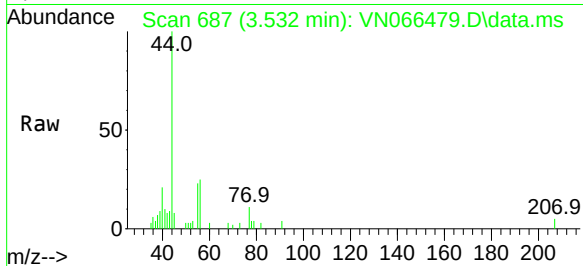




#13
Acrolein
Concen: Below Cal
RT: 3.532 min Scan# 687
Delta R.T. 0.005 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

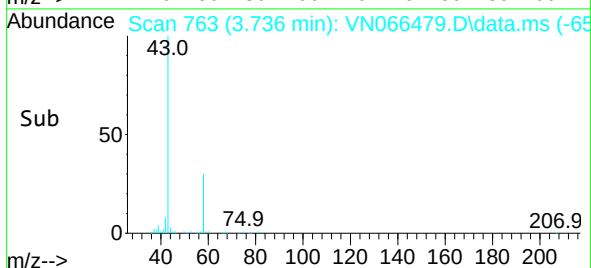
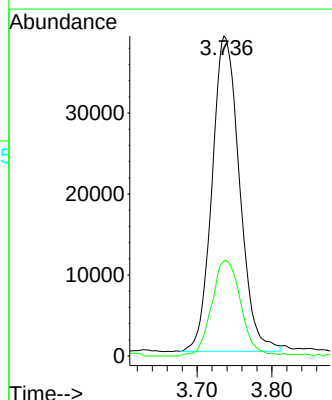
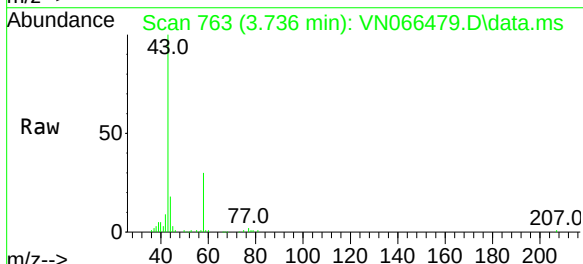
Instrument :
MSVOA_N
ClientSampleId :
PB135489TB

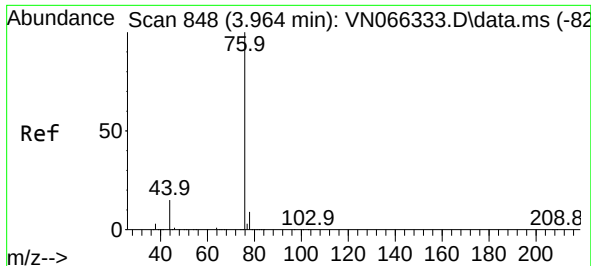
Tgt Ion: 56 Resp: 2875
Ion Ratio Lower Upper
56 100
55 78.6 57.9 86.9



#16
Acetone
Concen: 38.43 ug/l
RT: 3.736 min Scan# 763
Delta R.T. 0.003 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

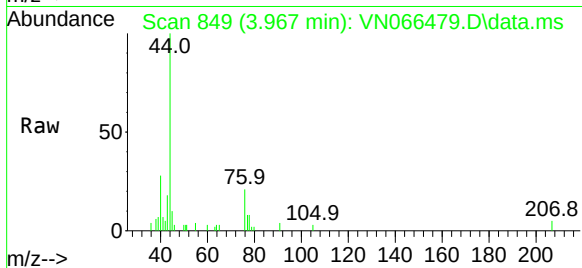
Tgt Ion: 43 Resp: 99426
Ion Ratio Lower Upper
43 100
58 30.1 23.8 35.8



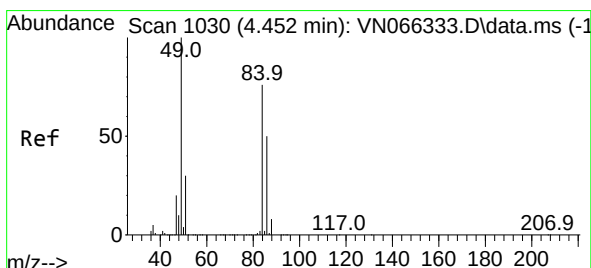
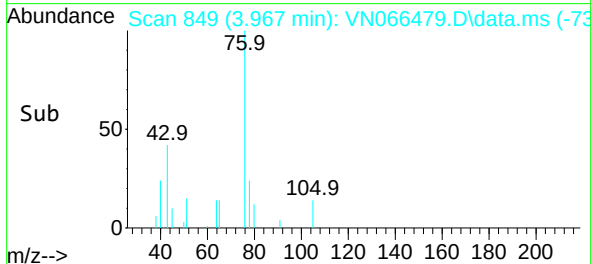
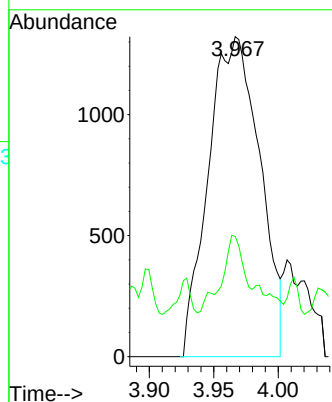


#17
Carbon Disulfide
Concen: 0.30 ug/l
RT: 3.967 min Scan# 849
Delta R.T. 0.005 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

Instrument :
MSVOA_N
ClientSampleId :
PB135489TB

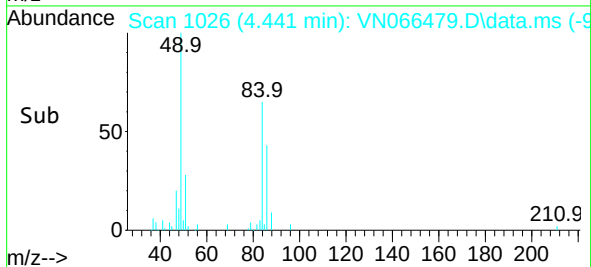
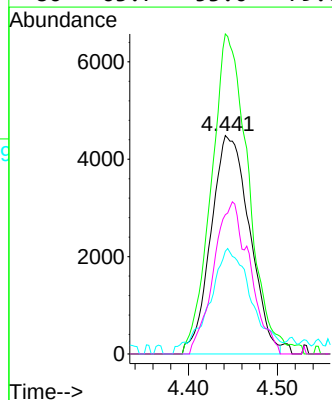
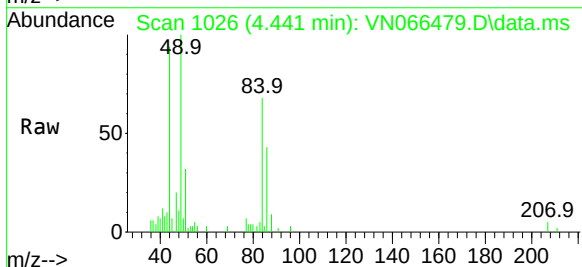


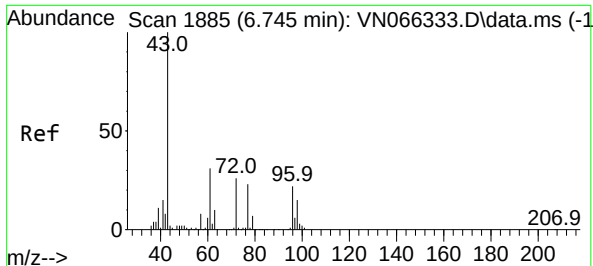
Tgt Ion: 76 Resp: 3673
Ion Ratio Lower Upper
76 100
78 20.2 7.4 11.0#



#20
Methylene Chloride
Concen: 1.66 ug/l
RT: 4.441 min Scan# 1026
Delta R.T. -0.005 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

Tgt Ion: 84 Resp: 13514
Ion Ratio Lower Upper
84 100
49 146.5 105.0 157.6
51 42.9 31.6 47.4
86 63.7 53.0 79.6

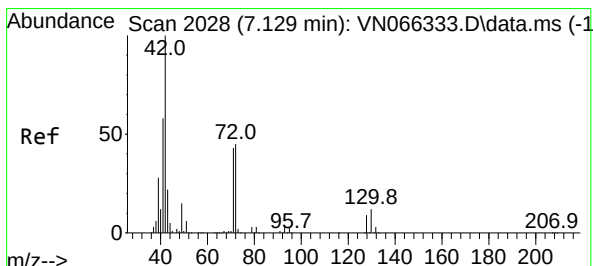
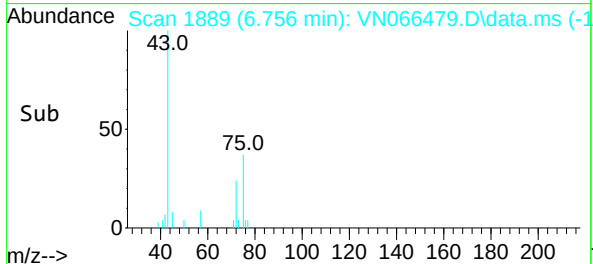
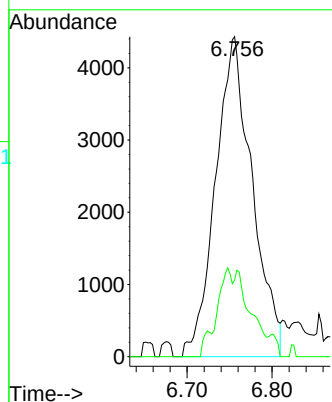
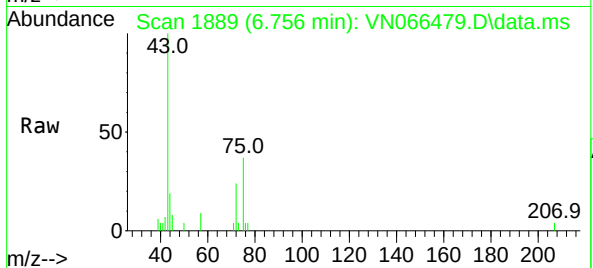




#25
2-Butanone
Concen: 4.70 ug/l
RT: 6.756 min Scan# 1889
Delta R.T. 0.016 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

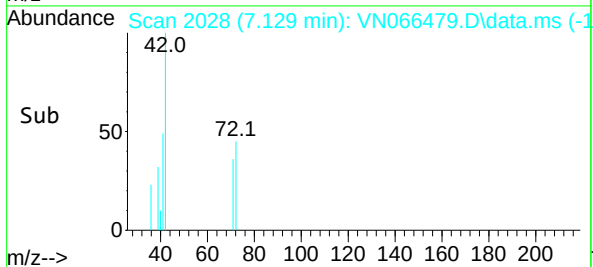
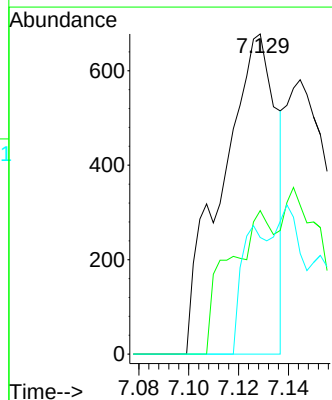
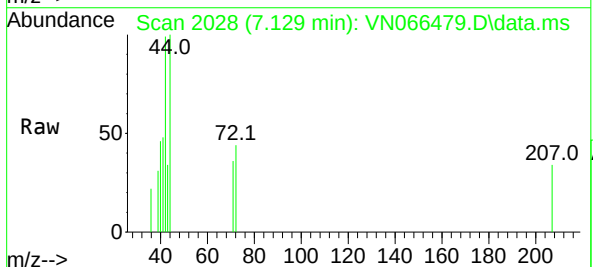
Instrument :
MSVOA_N
ClientSampled :
PB135489TB

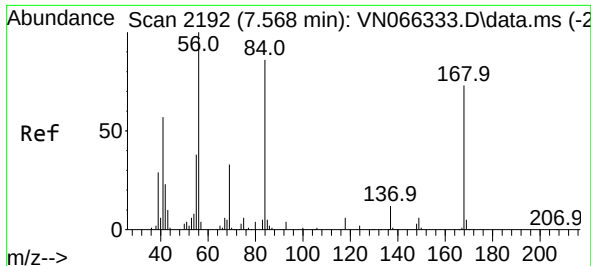
Tgt Ion: 43 Resp: 13283
Ion Ratio Lower Upper
43 100
72 23.9 20.7 31.1



#29
Tetrahydrofuran
Concen: 0.55 ug/l
RT: 7.129 min Scan# 2028
Delta R.T. 0.005 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

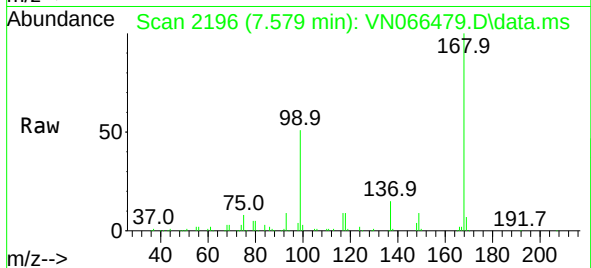
Tgt Ion: 42 Resp: 1024
Ion Ratio Lower Upper
42 100
72 36.0 35.2 52.8
71 18.8 33.1 49.7#



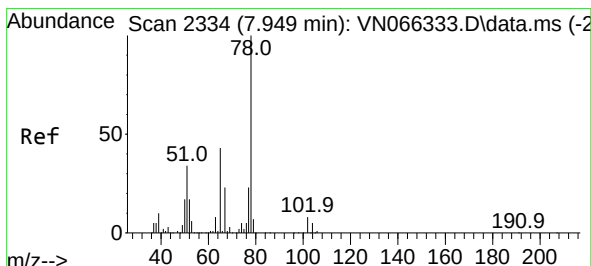
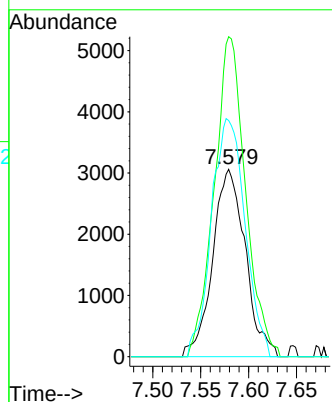
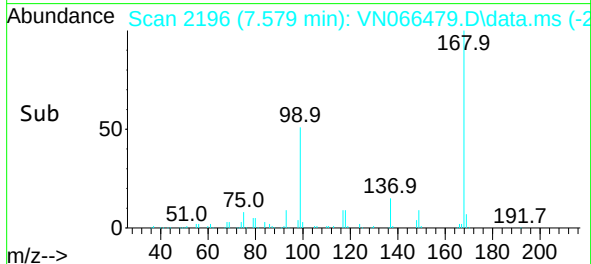


#31
Cyclohexane
Concen: 1.09 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. 0.013 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

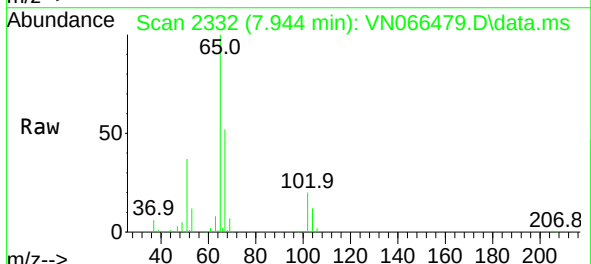
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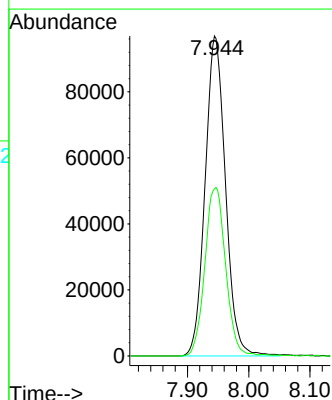
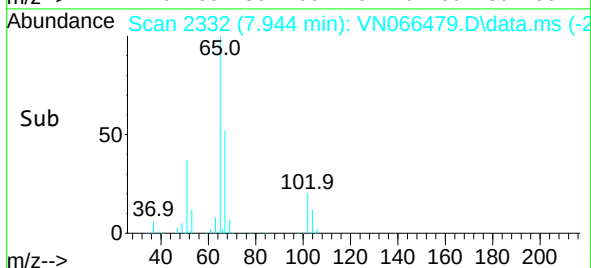
Tgt Ion: 56 Resp: 7249
Ion Ratio Lower Upper
56 100
69 170.8 26.6 40.0#
84 126.0 68.7 103.1#

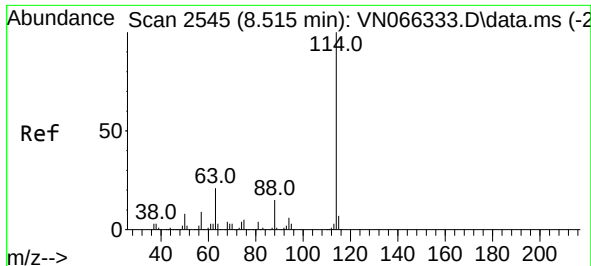


#33
1,2-Dichloroethane-d4
Concen: 46.72 ug/l
RT: 7.944 min Scan# 2332
Delta R.T. 0.000 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49



Tgt Ion: 65 Resp: 223689
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.2

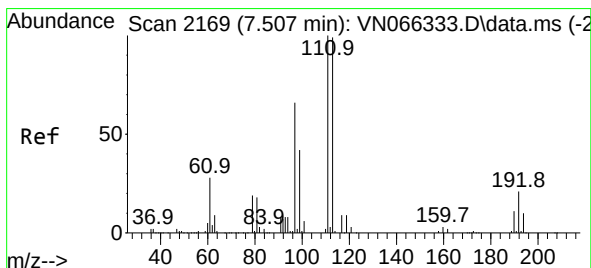
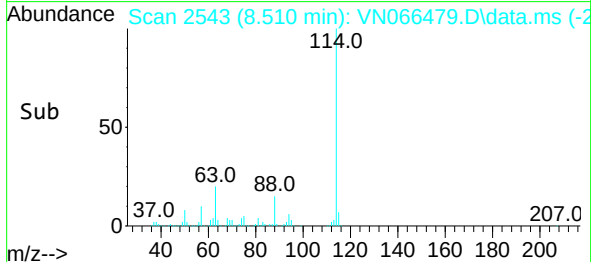
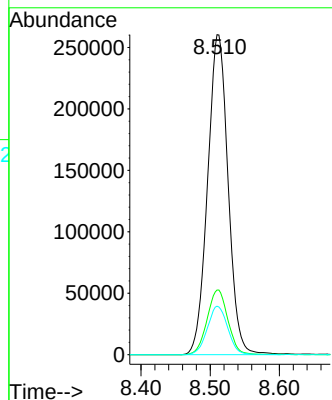
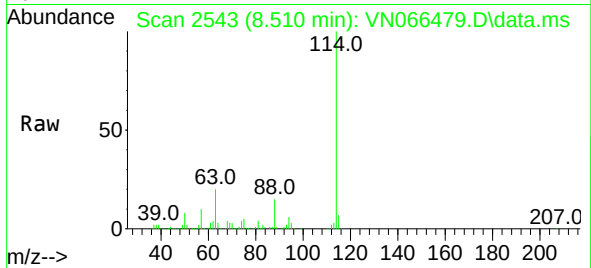




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.510 min Scan# 2543
Delta R.T. 0.000 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

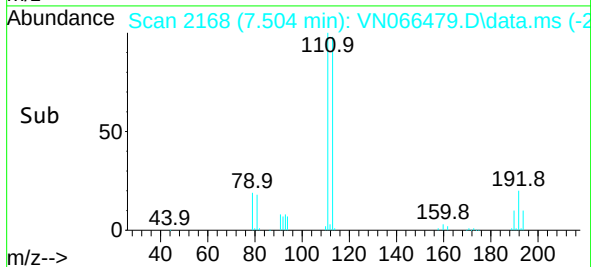
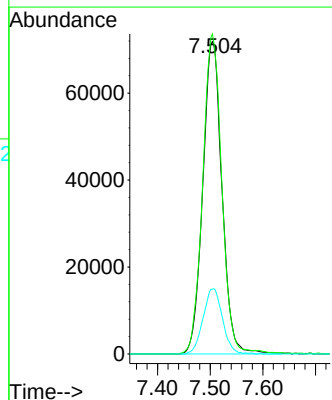
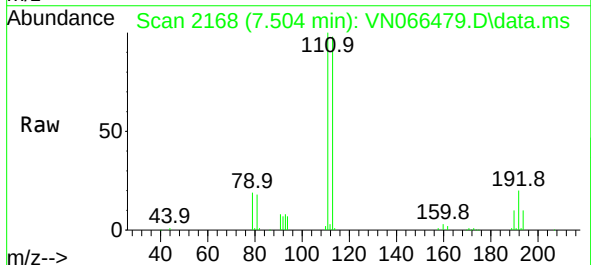
Instrument :
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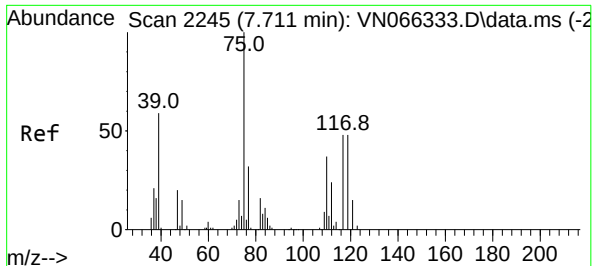
Tgt Ion:114 Resp: 535758
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.0
88 15.2 0.0 31.0



#35
Dibromofluoromethane
Concen: 51.16 ug/l
RT: 7.504 min Scan# 2168
Delta R.T. 0.003 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

Tgt Ion:113 Resp: 181694
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.8
192 21.0 17.1 25.7

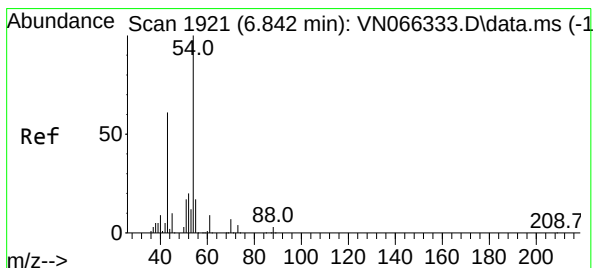
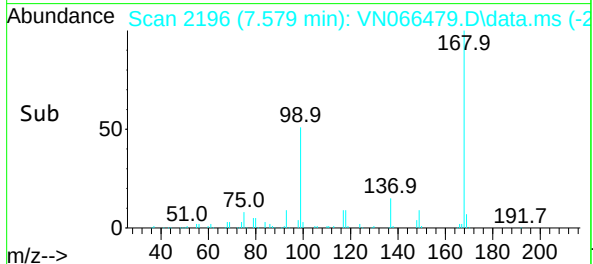
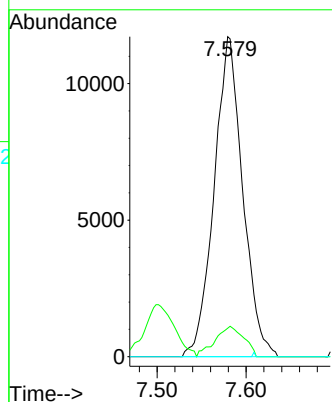
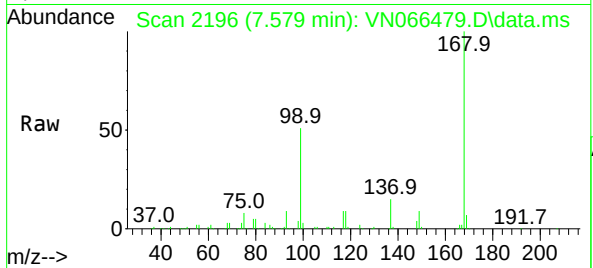




#36
1,1-Dichloropropene
Concen: 5.19 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. -0.126 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

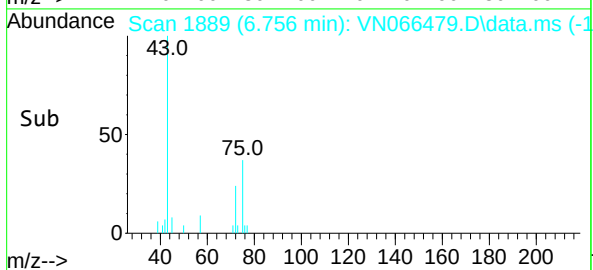
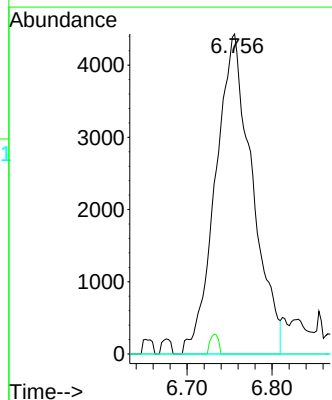
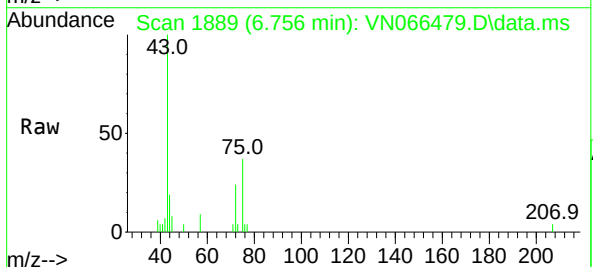
Instrument :
MSVOA_N
ClientSampleId :
PB135489TB

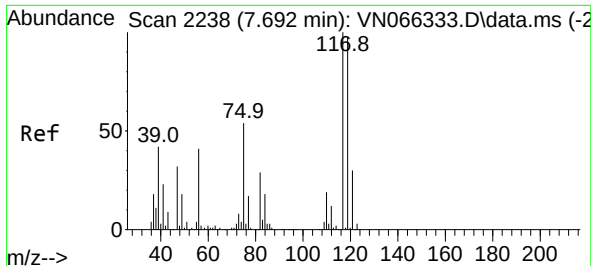
Tgt Ion: 75 Resp: 26144
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 2.40 ug/l
RT: 6.756 min Scan# 1889
Delta R.T. -0.078 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

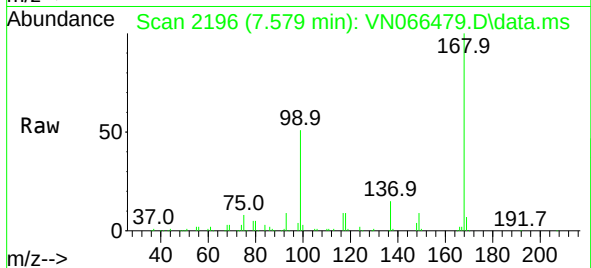
Tgt Ion: 43 Resp: 13283
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.0 12.0#



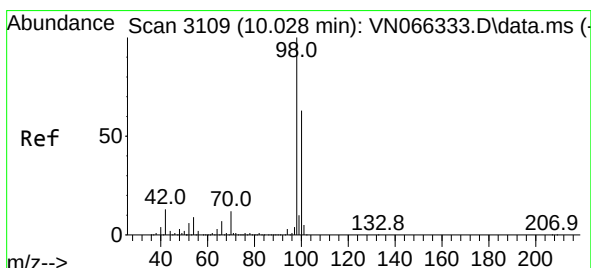
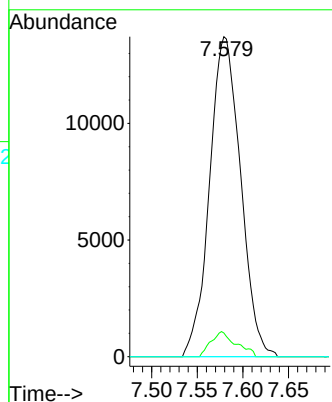
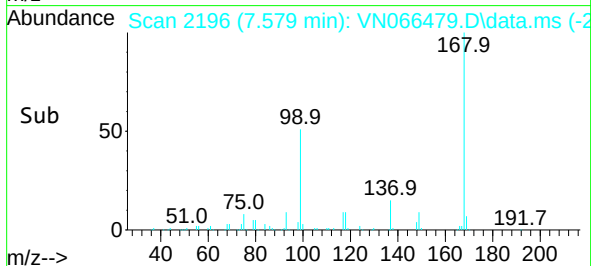


#38
Carbon Tetrachloride
Concen: 6.41 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. -0.105 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

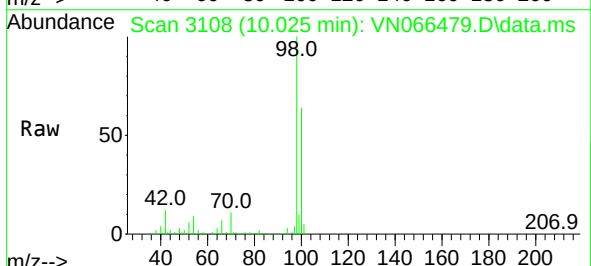
Instrument :
MSVOA_N
ClientSampleId :
PB135489TB



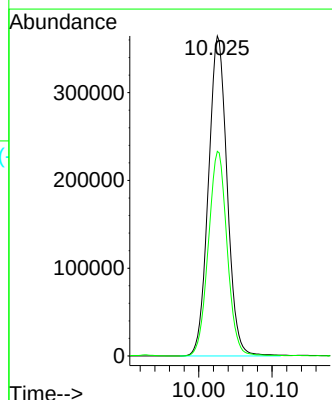
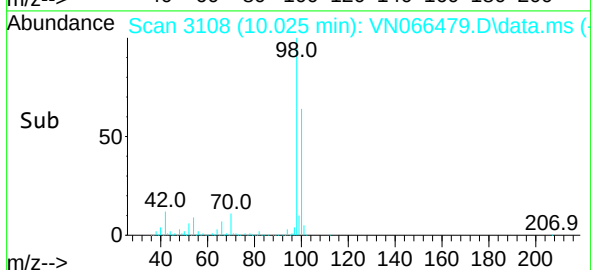
Tgt Ion:117 Resp: 32427
Ion Ratio Lower Upper
117 100
119 7.4 77.2 115.8#
121 0.0 24.2 36.4#

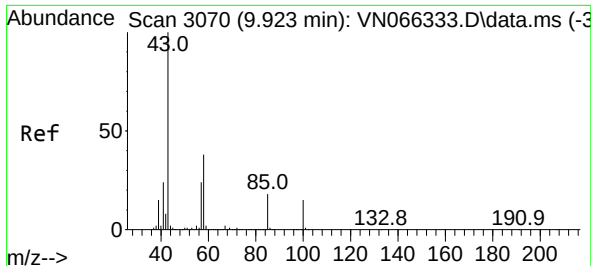


#50
Toluene-d8
Concen: 48.05 ug/l
RT: 10.025 min Scan# 3108
Delta R.T. -0.000 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49



Tgt Ion: 98 Resp: 647377
Ion Ratio Lower Upper
98 100
100 64.0 50.5 75.7

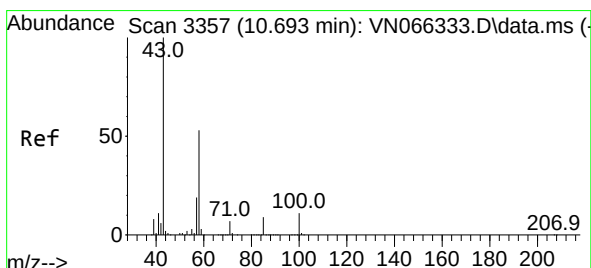
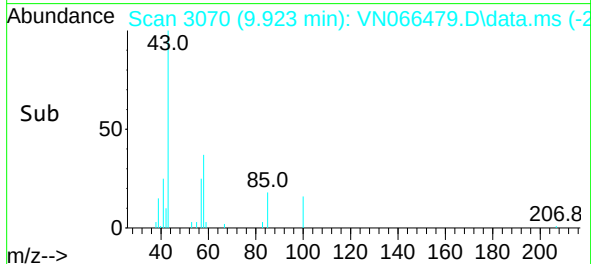
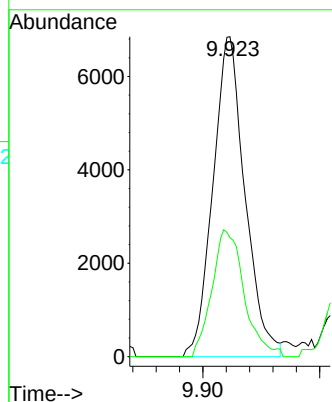
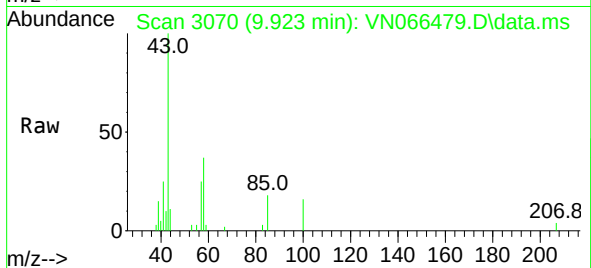




#51
4-Methyl-2-Pentanone
Concen: 2.35 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.005 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

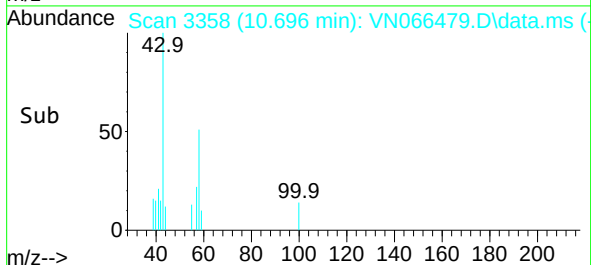
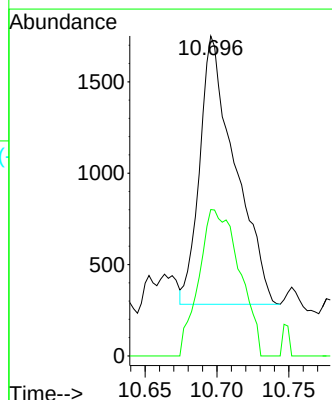
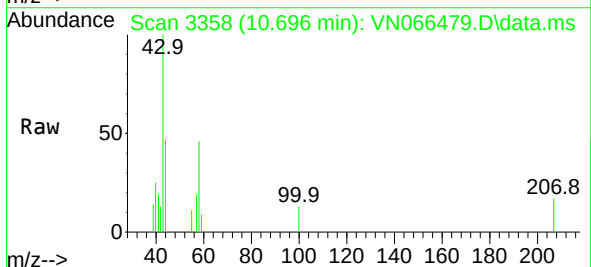
Instrument :
MSVOA_N
ClientSampleId :
PB135489TB

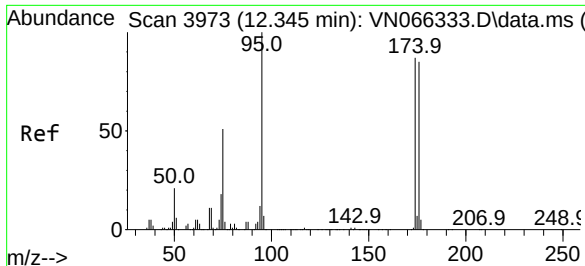
Tgt Ion: 43 Resp: 13011
Ion Ratio Lower Upper
43 100
58 39.8 30.8 46.2



#59
2-Hexanone
Concen: 0.65 ug/l
RT: 10.696 min Scan# 3358
Delta R.T. 0.005 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

Tgt Ion: 43 Resp: 2502
Ion Ratio Lower Upper
43 100
58 62.7 26.6 79.8

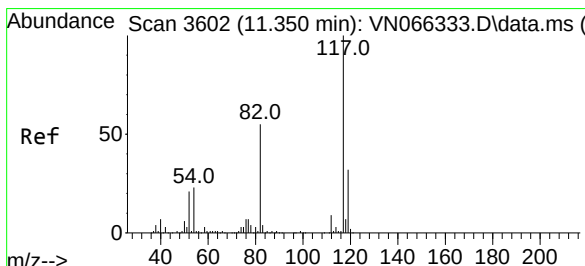
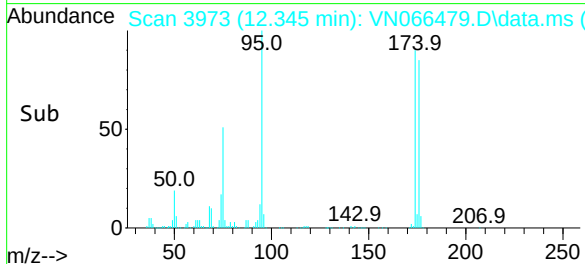
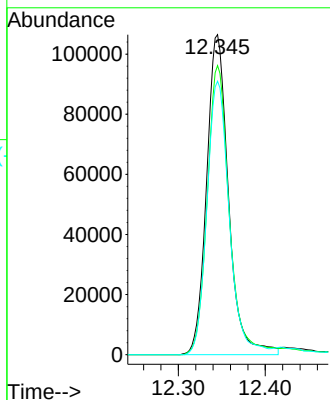
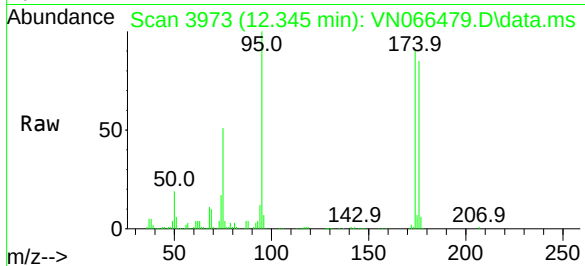




#62
4-Bromofluorobenzene
Concen: 39.90 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

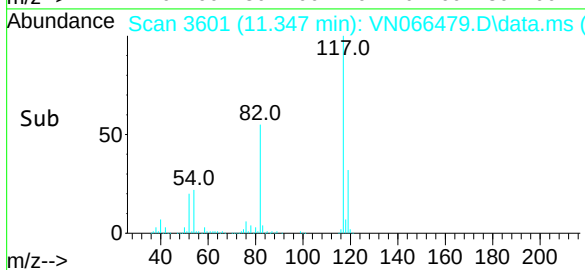
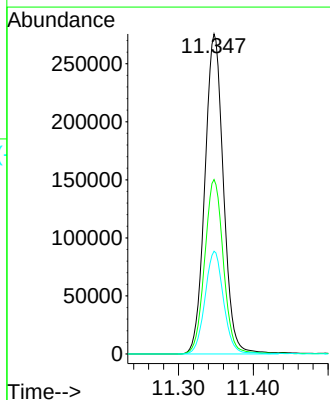
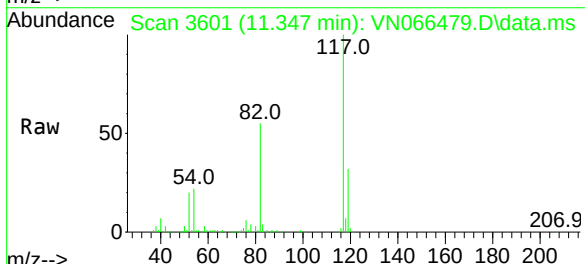
Instrument :
MSVOA_N
ClientSampleId :
PB135489TB

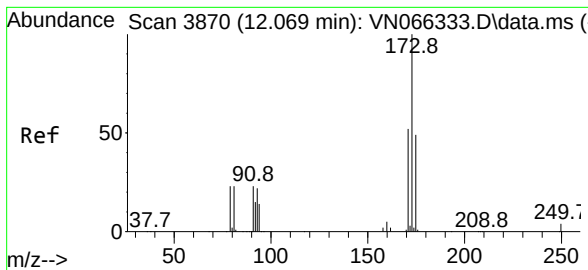
Tgt Ion: 95 Resp: 186686
Ion Ratio Lower Upper
95 100
174 91.2 0.0 172.2
176 86.7 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

Tgt Ion: 117 Resp: 476385
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.4
119 32.1 25.8 38.6

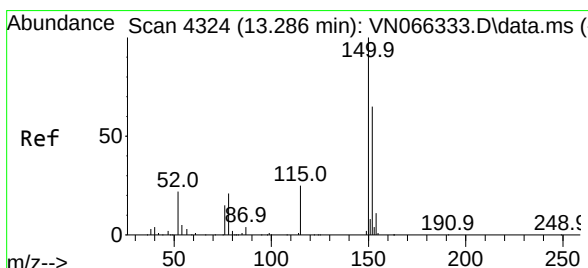
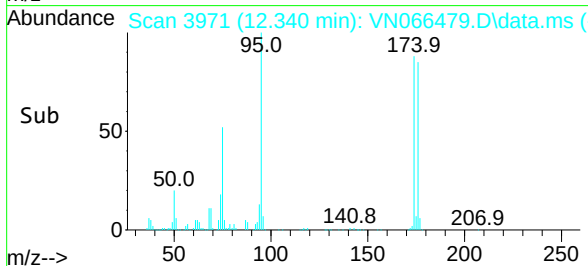
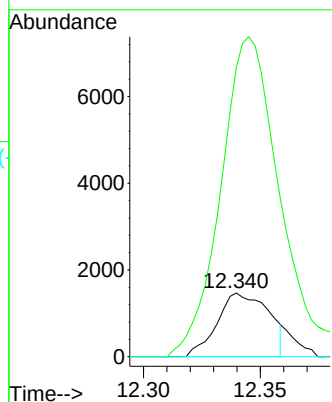
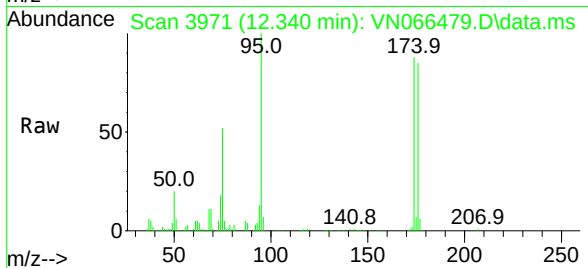




#71
Bromoform
Concen: 0.74 ug/l
RT: 12.340 min Scan# 3971
Delta R.T. 0.271 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

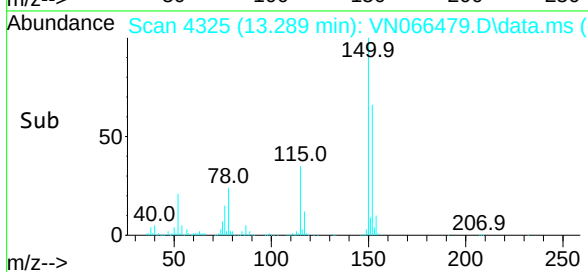
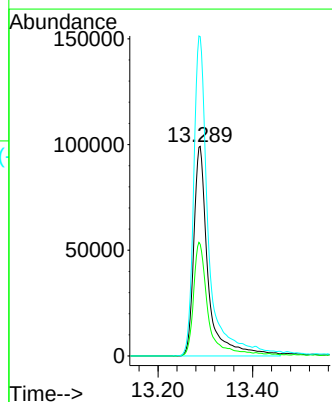
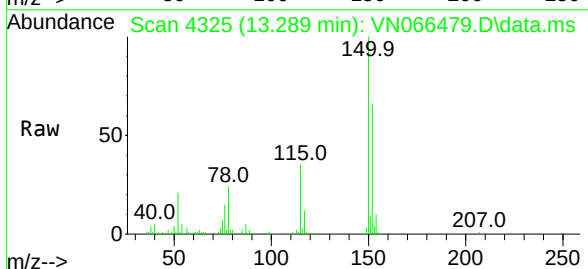
Instrument :
MSVOA_N
ClientSampleId :
PB135489TB

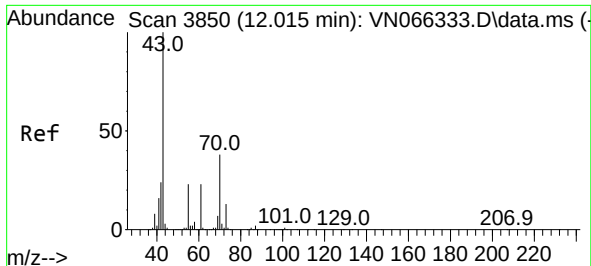
Tgt Ion:173 Resp: 2255
Ion Ratio Lower Upper
173 100
175 492.5 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.005 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

Tgt Ion:152 Resp: 209656
Ion Ratio Lower Upper
152 100
115 54.3 27.8 83.4
150 151.9 0.0 348.4



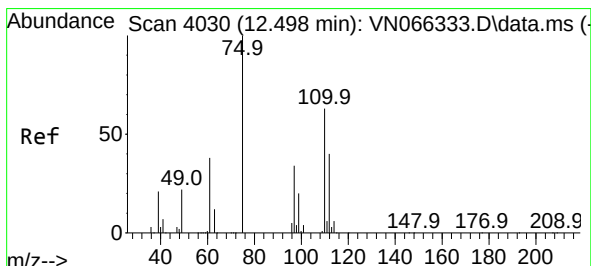
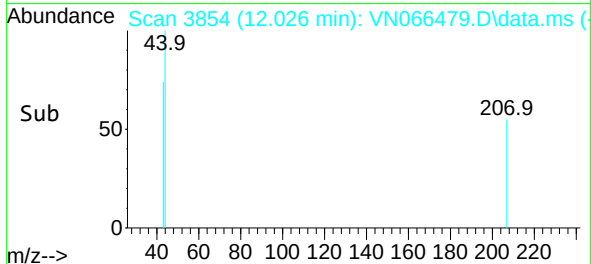
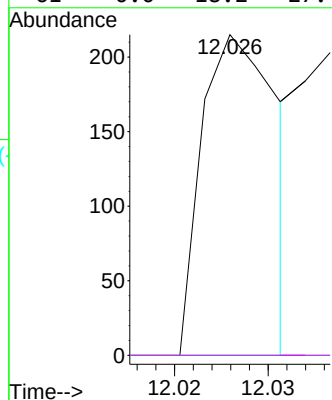
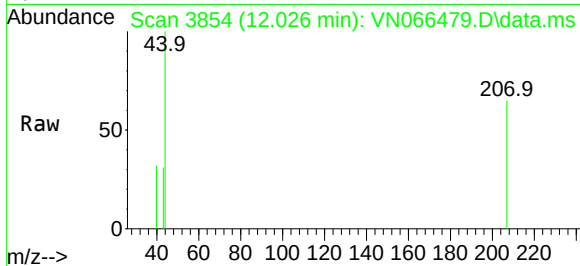


#74
N-amy1 acetate
Concen: 3.21 ug/l
RT: 12.026 min Scan# 3854
Delta R.T. 0.011 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

Instrument :
MSVOA_N
ClientSampleId :
PB135489TB

Tgt Ion: 43 Resp: 121

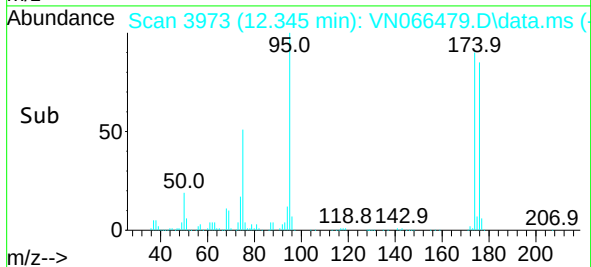
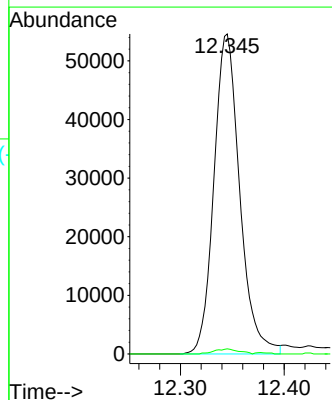
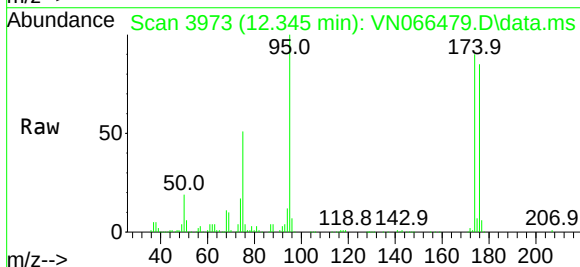
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.2	46.8#
55	0.0	18.6	28.0#
61	0.0	18.2	27.4#

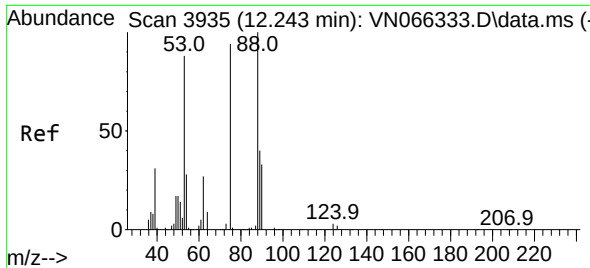


#76
1,2,3-Trichloropropane
Concen: 20.48 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.150 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

Tgt Ion: 75 Resp: 94219

Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#

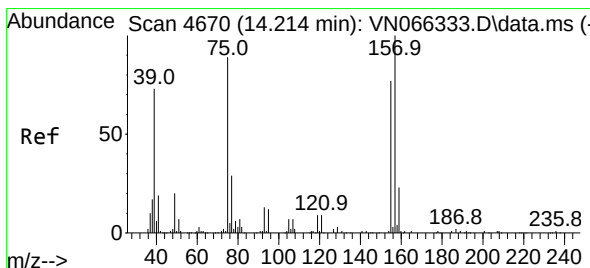
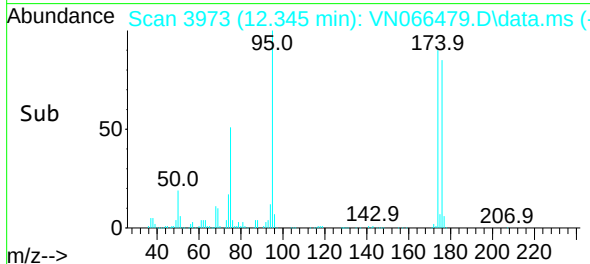
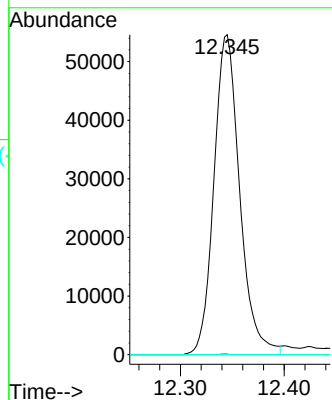
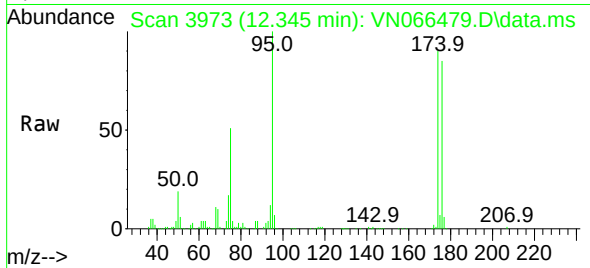




#81
trans-1,4-Dichloro-2-butene
Concen: 61.59 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

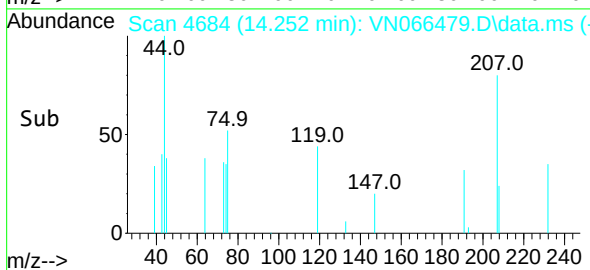
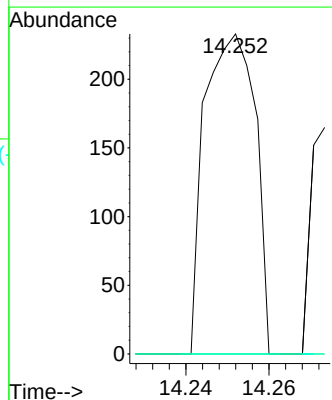
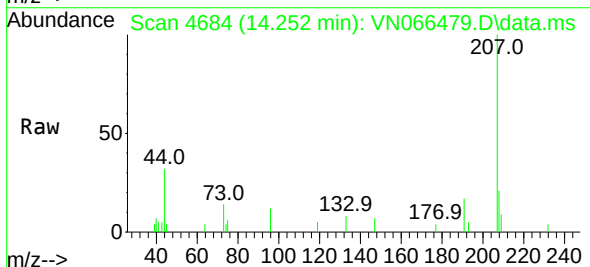
Instrument :
MSVOA_N
ClientSampleId :
PB135489TB

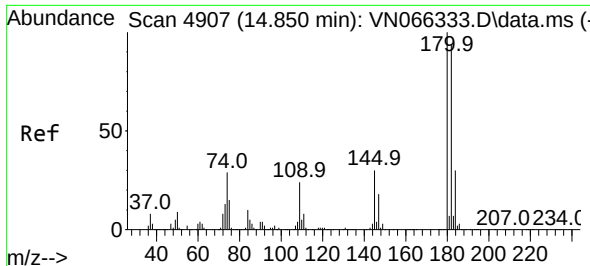
Tgt Ion: 75 Resp: 94219
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.0 35.7 53.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.21 ug/l
RT: 14.252 min Scan# 4684
Delta R.T. 0.024 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

Tgt Ion: 75 Resp: 197
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.3#
157 0.0 57.6 172.8#

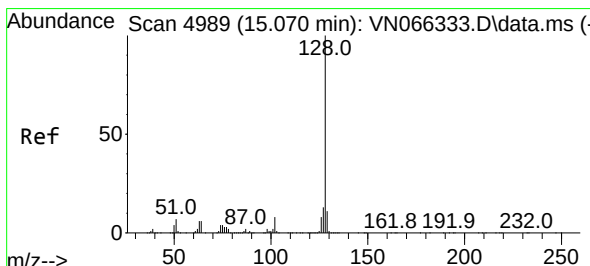
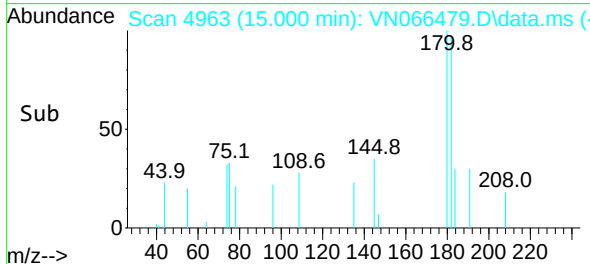
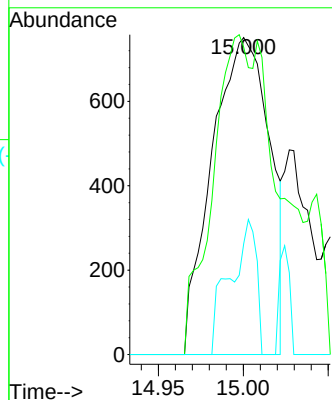
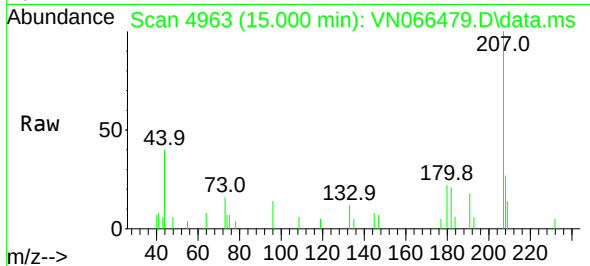




#93
1,2,4-Trichlorobenzene
Concen: 0.44 ug/l
RT: 15.000 min Scan# 4963
Delta R.T. 0.021 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

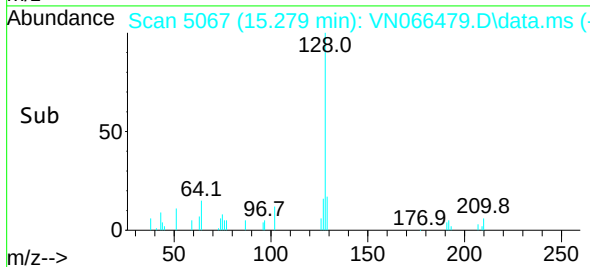
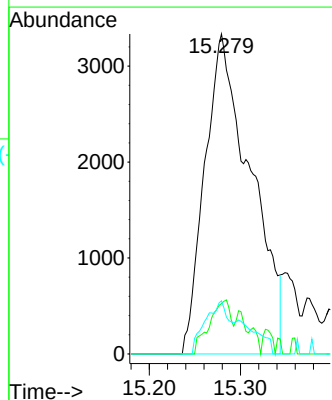
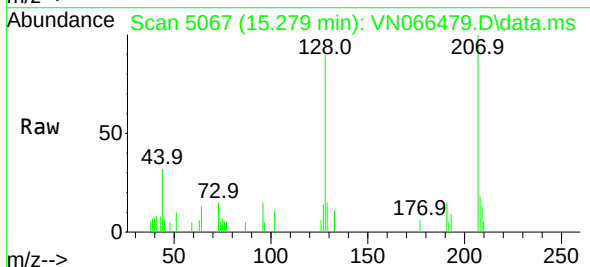
Instrument :
MSVOA_N
ClientSampleId :
PB135489TB

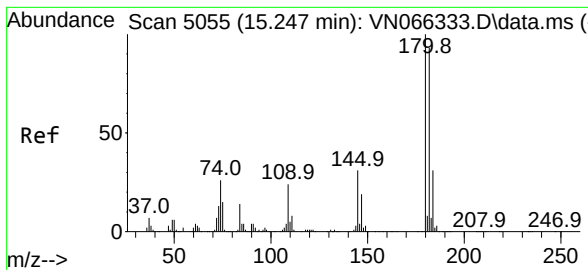
Tgt Ion:180 Resp: 1773
Ion Ratio Lower Upper
180 100
182 68.4 47.4 142.3
145 11.6 14.2 42.8#



#95
Naphthalene
Concen: 2.01 ug/l
RT: 15.279 min Scan# 5067
Delta R.T. 0.019 min
Lab File: VN066479.D
Acq: 2 Apr 2021 19:49

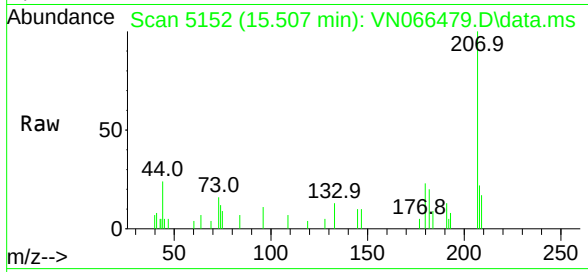
Tgt Ion:128 Resp: 11593
Ion Ratio Lower Upper
128 100
127 8.1 10.5 15.7#
129 8.8 8.5 12.7





#96
 1,2,3-Trichlorobenzene
 Concen: 0.57 ug/l
 RT: 15.507 min Scan# 5152
 Delta R.T. 0.011 min
 Lab File: VN066479.D
 Acq: 2 Apr 2021 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 PB135489TB



Tgt Ion:	180	Resp:	2328
Ion	Ratio	Lower	Upper
180	100		
182	62.3	47.6	142.9
145	25.8	15.4	46.1

