

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022521\
 Data File : VN066033.D
 Acq On : 25 Feb 2021 17:18
 Operator : JC/MD
 Sample : PB134803ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 26 01:23:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

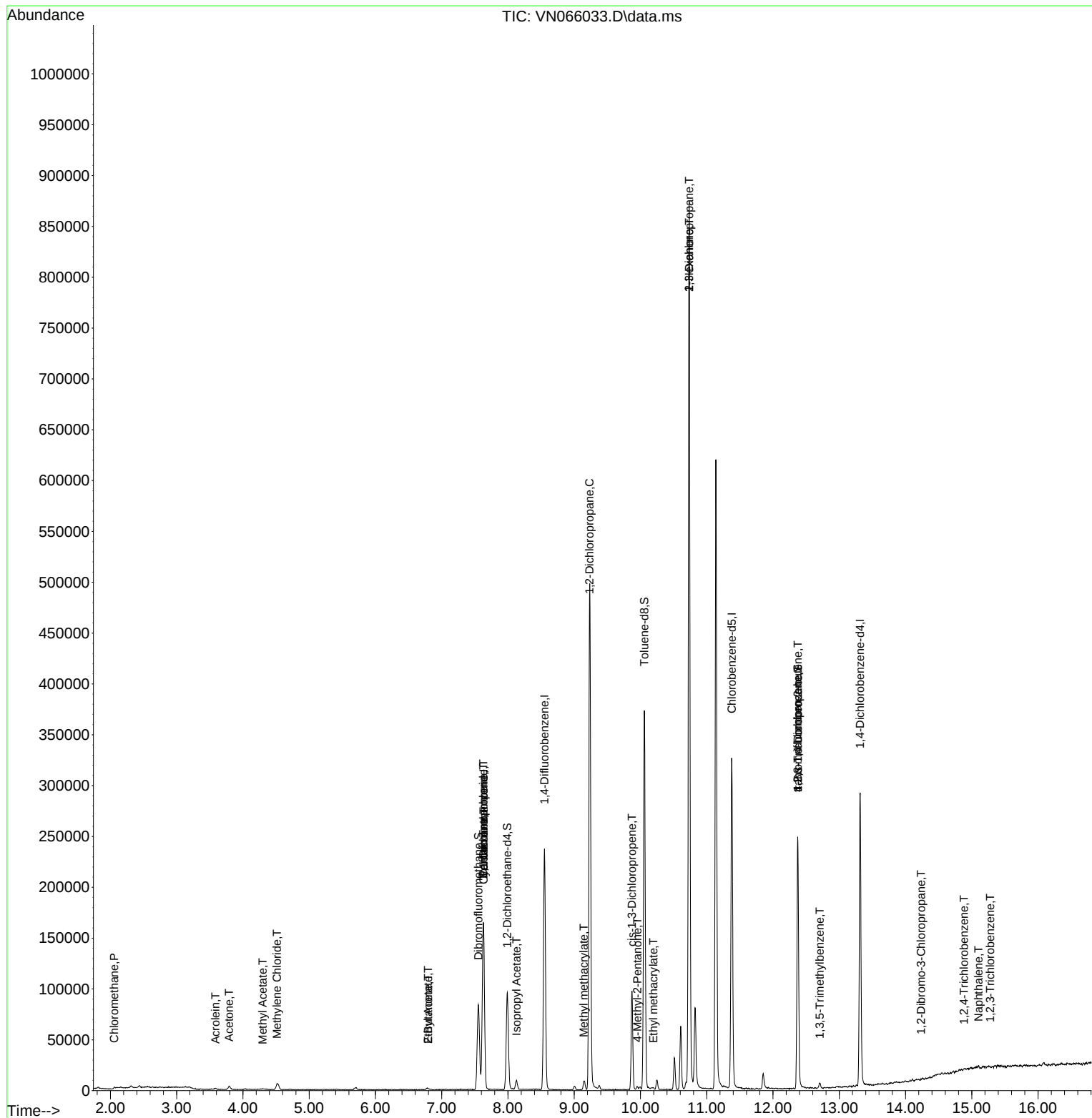
Internal Standards						
1) Pentafluorobenzene	7.630	168	134492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	218675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	199399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	82428	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	86014	45.73	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.46%		
35) Dibromofluoromethane	7.553	113	65528	48.42	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.84%		
50) Toluene-d8	10.058	98	266939	48.05	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.10%		
62) 4-Bromofluorobenzene	12.373	95	97287	46.65	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.30%		
Target Compounds					Qvalue	
3) Chloromethane	2.055	50	906	0.41	ug/l	95
13) Acrolein	3.586	56	1325	5.54	ug/l	95
16) Acetone	3.791	43	6063	8.71	ug/l	91
18) Methyl Acetate	4.296	43	1327	0.85	ug/l #	60
20) Methylene Chloride	4.515	84	5324	3.05	ug/l #	82
25) 2-Butanone	6.794	43	1334	1.43	ug/l	95
31) Cyclohexane	7.634	56	2767	0.99	ug/l #	15
36) 1,1-Dichloropropene	7.627	75	10201	4.73	ug/l #	49
37) Ethyl Acetate	6.794	43	1334	0.69	ug/l #	68
38) Carbon Tetrachloride	7.627	117	13352	6.66	ug/l #	16
43) Isopropyl Acetate	8.129	43	10341	3.33	ug/l #	90
45) 1,2-Dichloropropane	9.228	63	481	0.28	ug/l #	44
48) Methyl methacrylate	9.142	41	2246	1.43	ug/l #	10
51) 4-Methyl-2-Pentanone	9.952	43	2207	1.17	ug/l #	84
54) cis-1,3-Dichloropropene	9.872	75	19058	7.31	ug/l #	60
56) Ethyl methacrylate	10.193	69	1058	0.46	ug/l	92
57) 1,3-Dichloropropane	10.733	76	9495	3.54	ug/l #	43
59) 2-Hexanone	10.733	43	124983	92.92	ug/l #	50
76) 1,2,3-Trichloropropane	12.373	75	49561	25.03	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.707	105	3351	0.59	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.373	75	49561	79.77	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.235	75	71	1.03	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.881	180	271	2.64	ug/l #	29
95) Naphthalene	15.100	128	1297	3.31	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.280	180	254	2.33	ug/l #	47

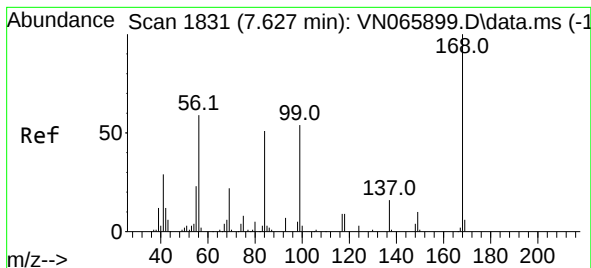
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 17 15:48:13 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.630 min Scan# 1832

Delta R.T. 0.003 min

Lab File: VN066033.D

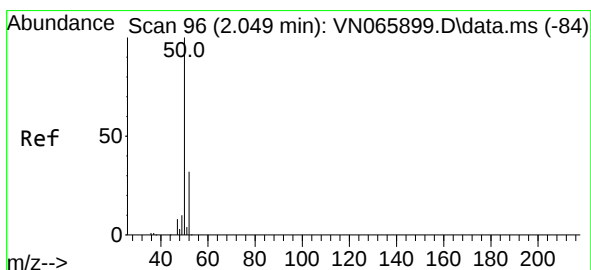
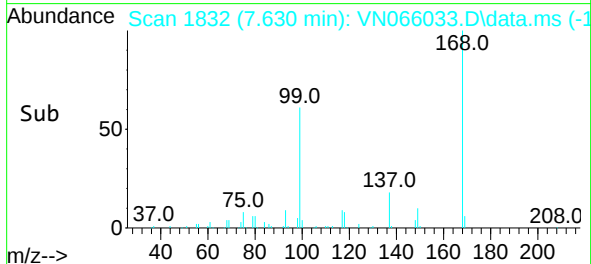
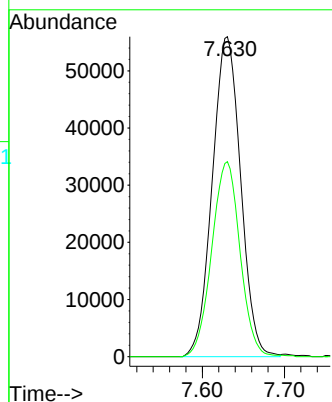
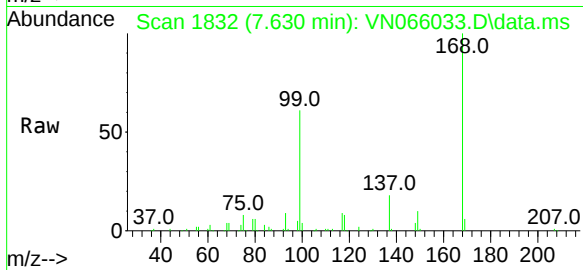
Acq: 25 Feb 2021 17:18

Tgt Ion:168 Resp: 134492

Ion Ratio Lower Upper

168 100

99 60.9 42.6 63.8



#3

Chloromethane

Concen: 0.41 ug/l

RT: 2.055 min Scan# 98

Delta R.T. 0.006 min

Lab File: VN066033.D

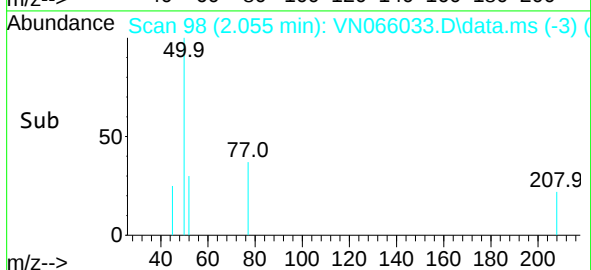
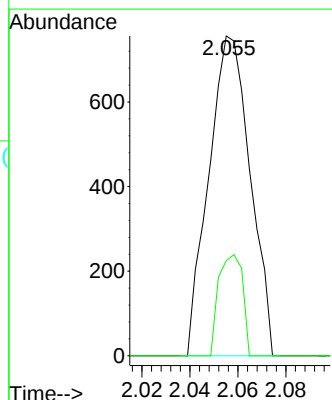
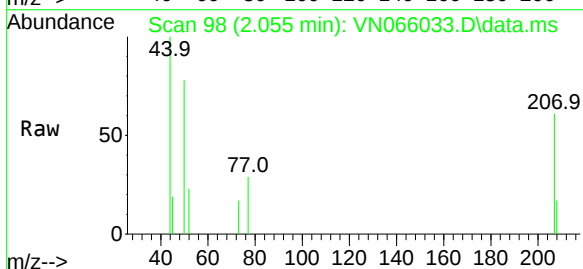
Acq: 25 Feb 2021 17:18

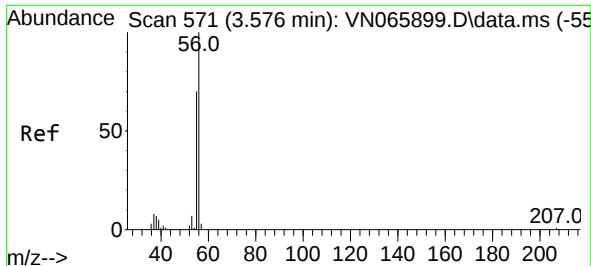
Tgt Ion: 50 Resp: 906

Ion Ratio Lower Upper

50 100

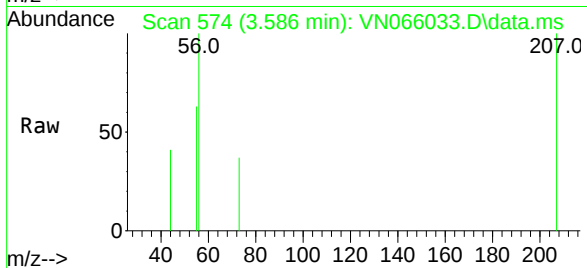
52 29.8 25.8 38.8



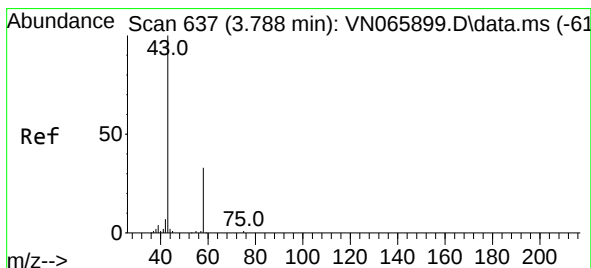
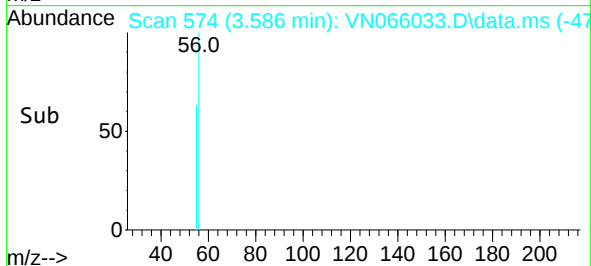
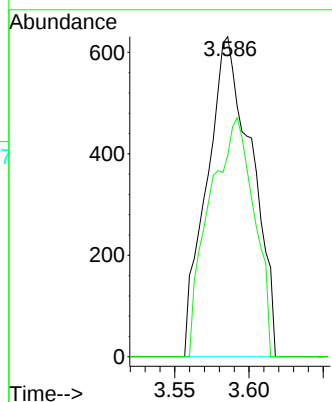


#13
Acrolein
Concen: 5.54 ug/l
RT: 3.586 min Scan# 574
Delta R.T. 0.010 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

Instrument :
MSVOA_N
ClientSampled :

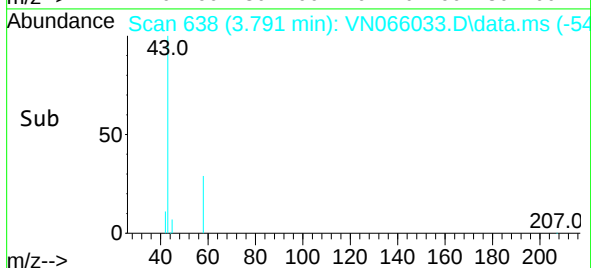
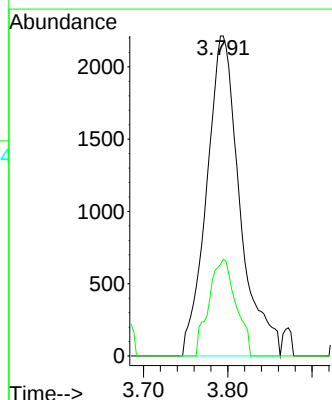
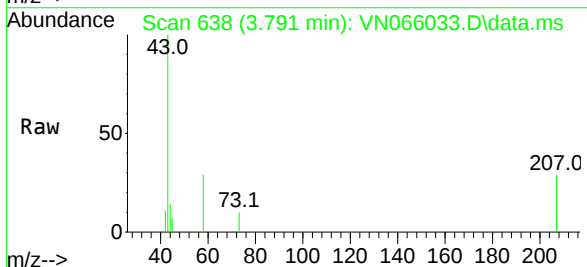


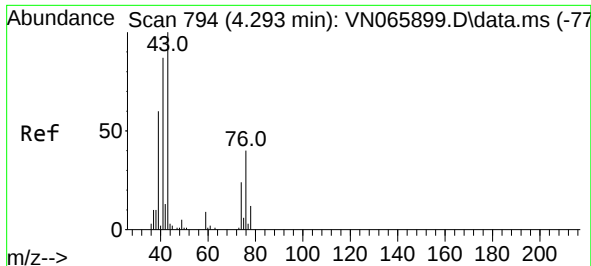
Tgt Ion: 56 Resp: 1325
Ion Ratio Lower Upper
56 100
55 74.3 56.0 84.0



#16
Acetone
Concen: 8.71 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.003 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

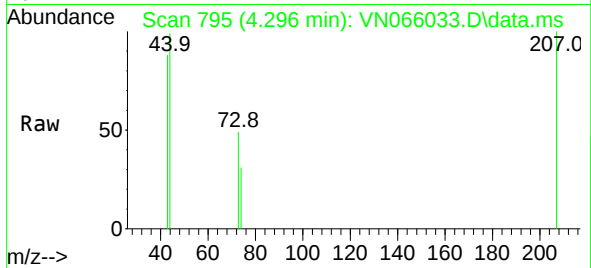
Tgt Ion: 43 Resp: 6063
Ion Ratio Lower Upper
43 100
58 28.6 27.0 40.6



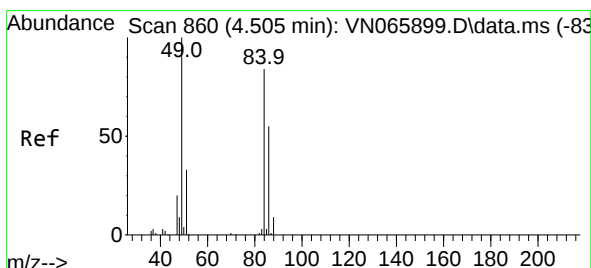
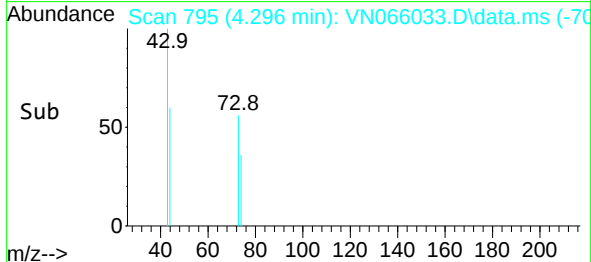
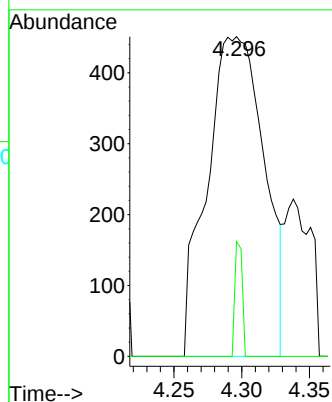


#18
Methyl Acetate
Concen: 0.85 ug/l
RT: 4.296 min Scan# 795
Delta R.T. 0.003 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

Instrument :
MSVOA_N
ClientSampled :

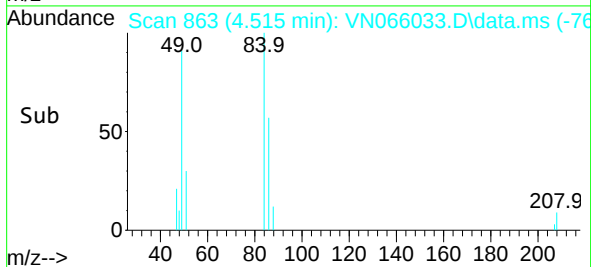
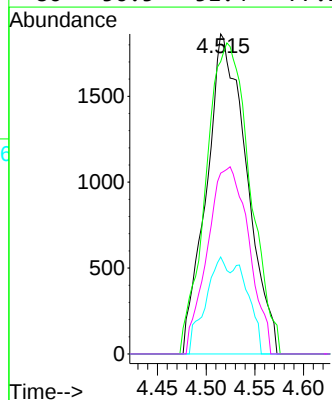
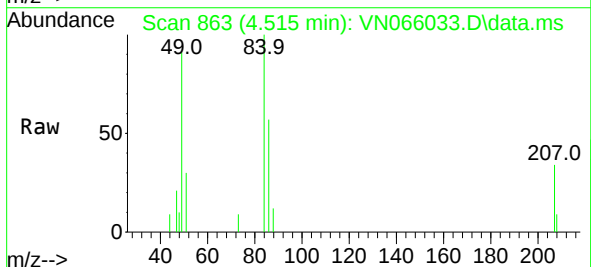


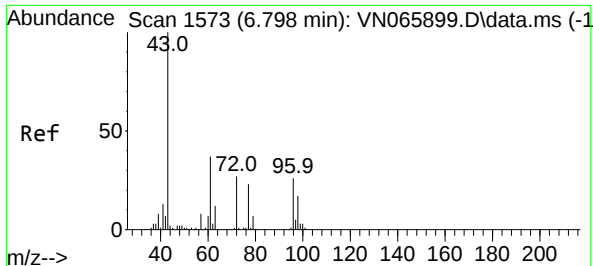
Tgt Ion: 43 Resp: 1327
Ion Ratio Lower Upper
43 100
74 4.6 19.5 29.3#



#20
Methylene Chloride
Concen: 3.05 ug/l
RT: 4.515 min Scan# 863
Delta R.T. 0.010 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

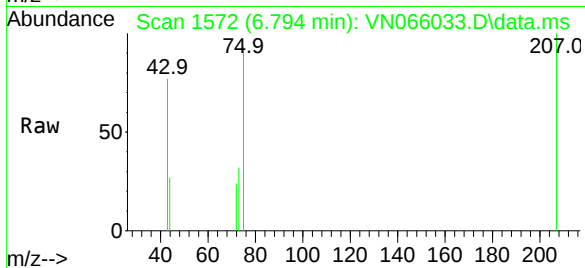
Tgt Ion: 84 Resp: 5324
Ion Ratio Lower Upper
84 100
49 91.4 94.6 141.8#
51 30.3 29.9 44.9
86 56.5 51.4 77.2



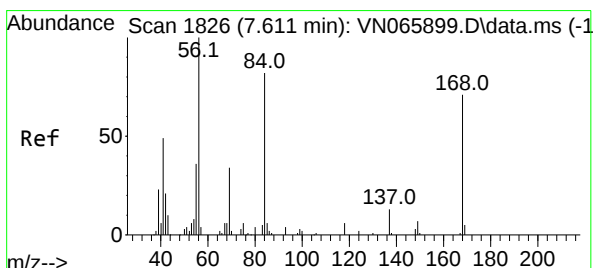
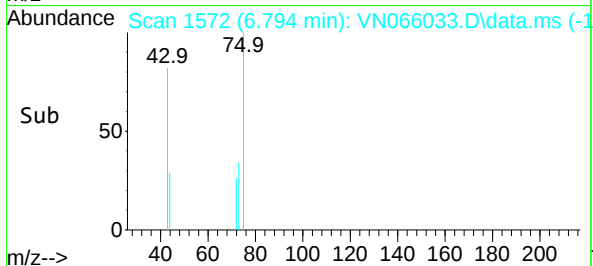
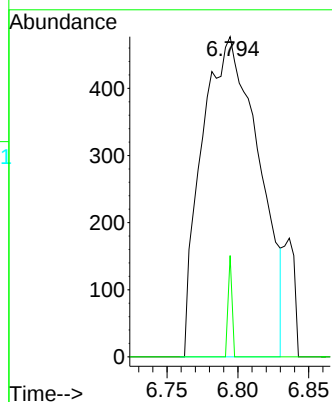


#25
2-Butanone
Concen: 1.43 ug/l
RT: 6.794 min Scan# 1572
Delta R.T. -0.004 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

Instrument :
MSVOA_N
ClientSampled :

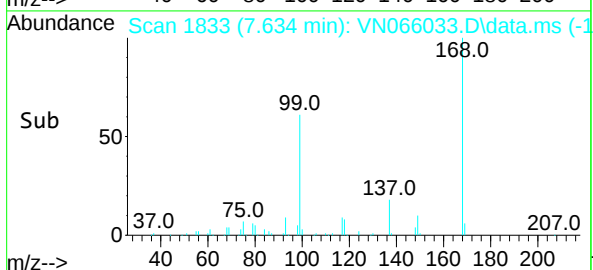
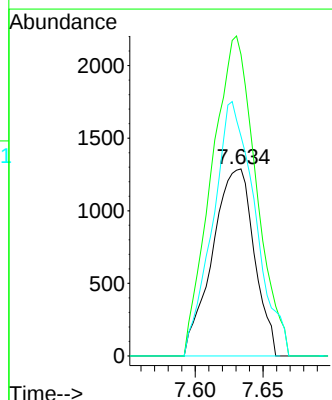
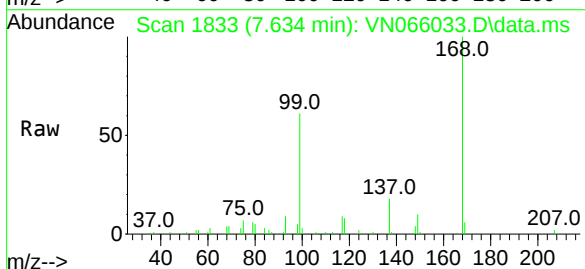


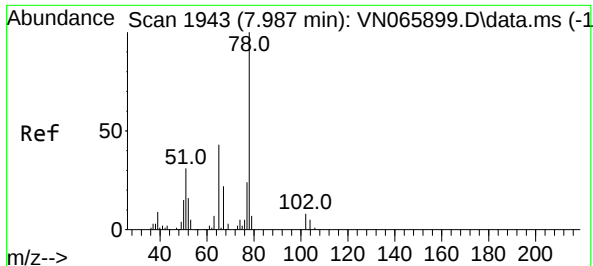
Tgt Ion: 43 Resp: 1334
Ion Ratio Lower Upper
43 100
72 31.7 23.1 34.7



#31
Cyclohexane
Concen: 0.99 ug/l
RT: 7.634 min Scan# 1833
Delta R.T. 0.023 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

Tgt Ion: 56 Resp: 2767
Ion Ratio Lower Upper
56 100
69 161.2 26.6 39.8#
84 117.5 70.4 105.6#

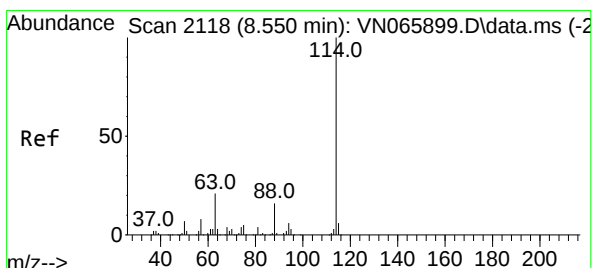
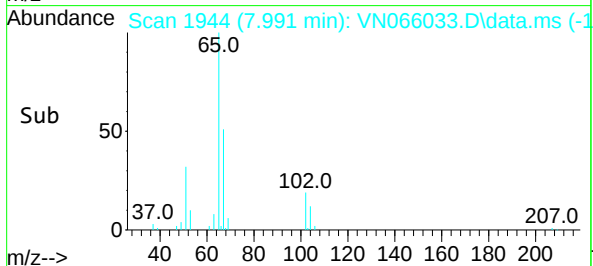
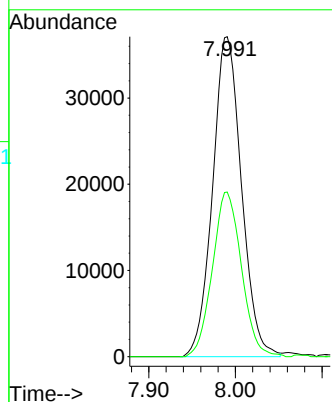
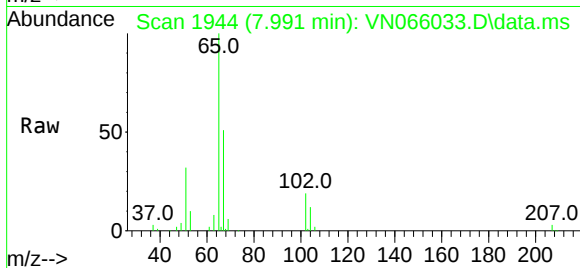




#33
1,2-Dichloroethane-d4
Concen: 45.73 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.004 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

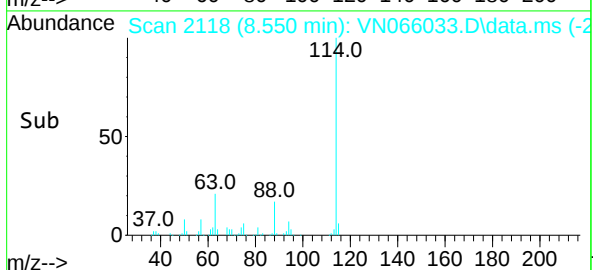
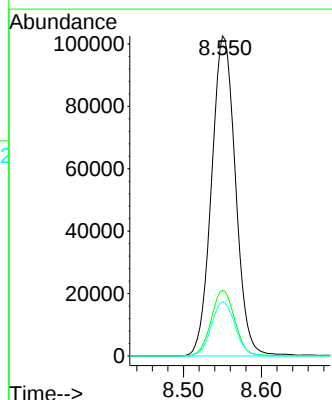
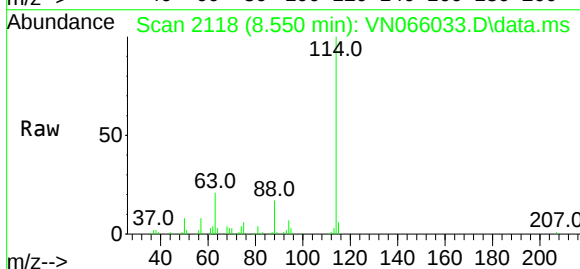
Instrument :
MSVOA_N
ClientSampled :

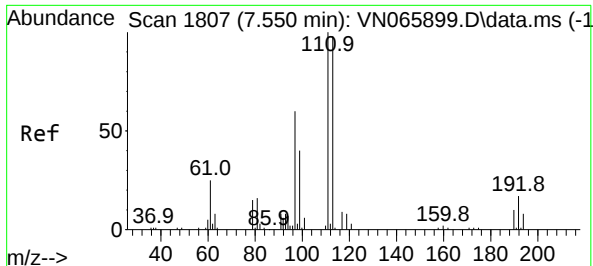
Tgt Ion: 65 Resp: 86014
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

Tgt Ion: 114 Resp: 218675
Ion Ratio Lower Upper
114 100
63 20.5 0.0 38.6
88 17.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.42 ug/l

RT: 7.553 min Scan# 1808

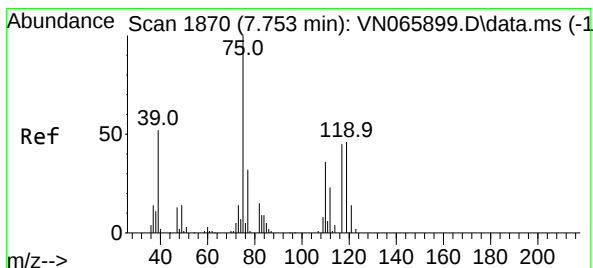
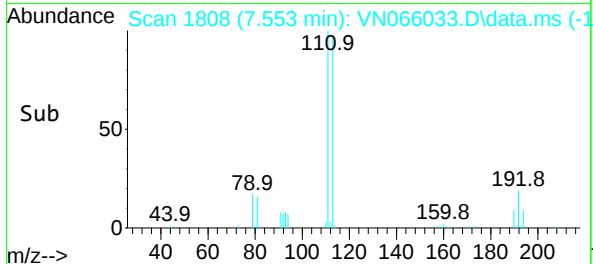
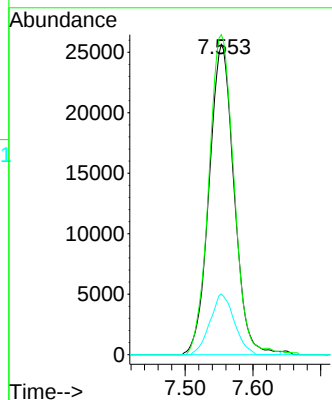
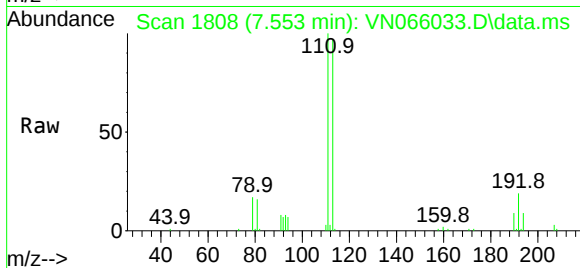
Delta R.T. 0.003 min

Lab File: VN066033.D

Acq: 25 Feb 2021 17:18

Tgt Ion:	113	Resp:	65528
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.2
192	19.0	15.4	23.0

Instrument :
MSVOA_N
ClientSampled :



#36

1,1-Dichloropropene

Concen: 4.73 ug/l

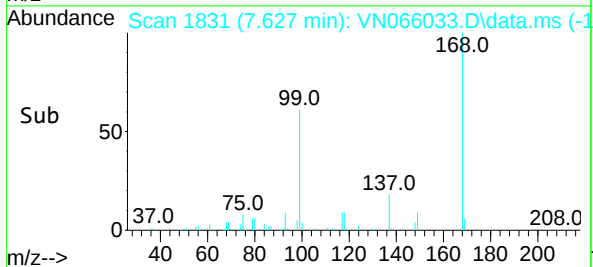
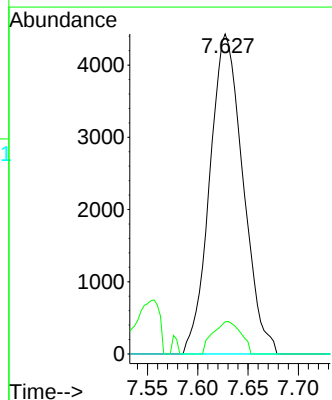
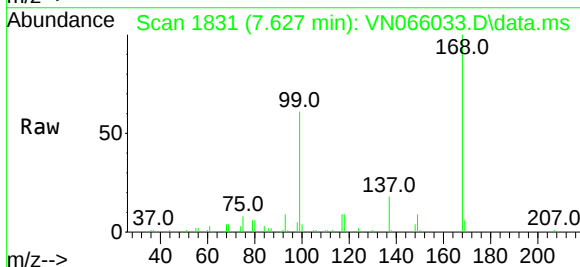
RT: 7.627 min Scan# 1831

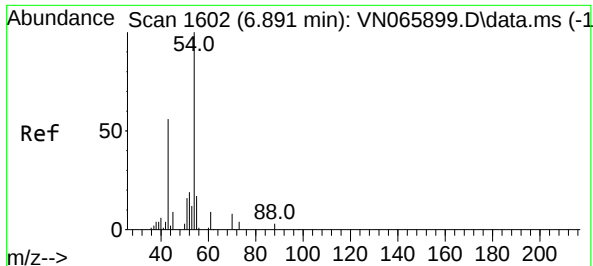
Delta R.T. -0.126 min

Lab File: VN066033.D

Acq: 25 Feb 2021 17:18

Tgt Ion:	75	Resp:	10201
Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 0.69 ug/l

RT: 6.794 min Scan# 1572

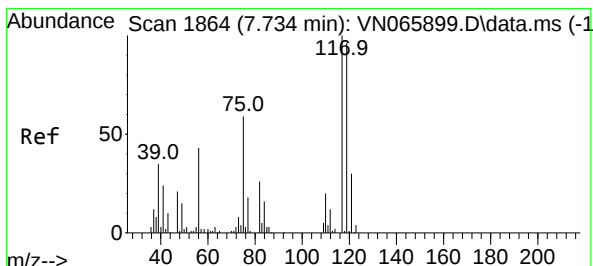
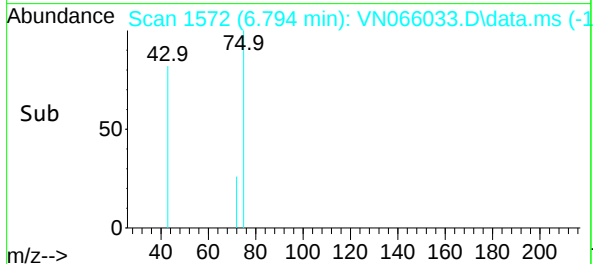
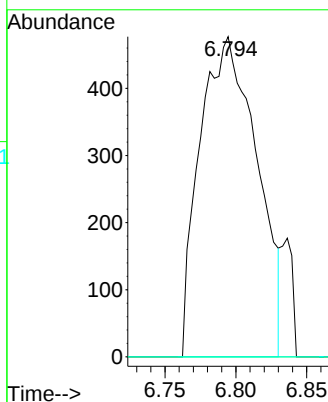
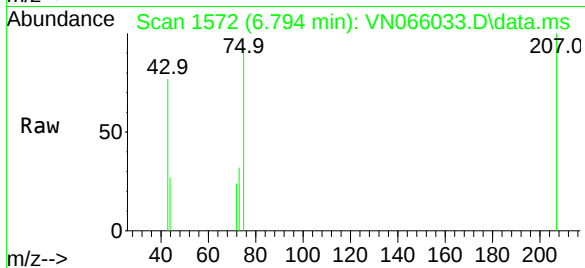
Delta R.T. -0.097 min

Lab File: VN066033.D

Acq: 25 Feb 2021 17:18

Tgt Ion:	43	Resp:	1334
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.66 ug/l

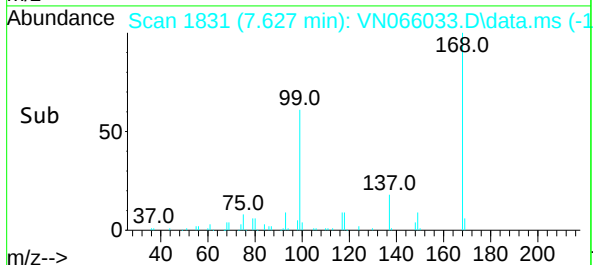
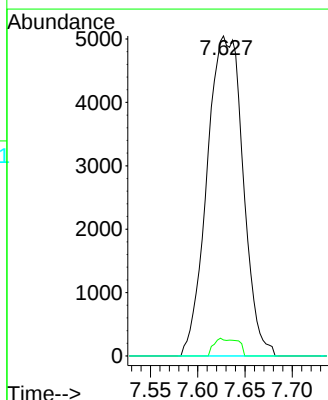
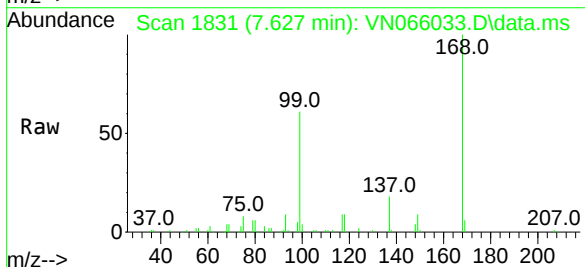
RT: 7.627 min Scan# 1831

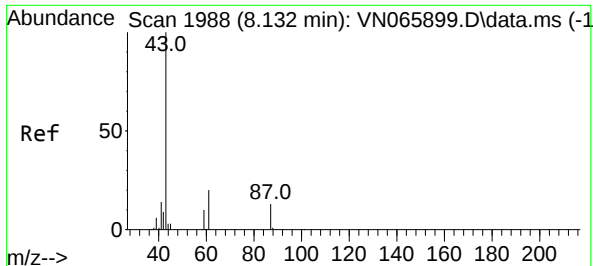
Delta R.T. -0.107 min

Lab File: VN066033.D

Acq: 25 Feb 2021 17:18

Tgt Ion:	117	Resp:	13352
Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.0	114.0#
121	0.0	24.5	36.7#

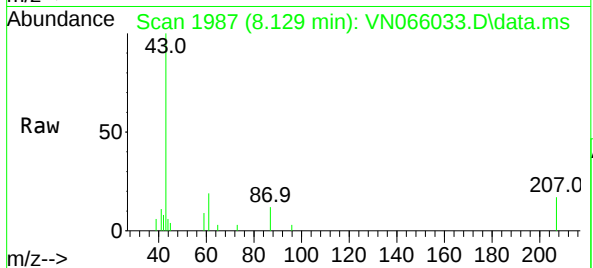




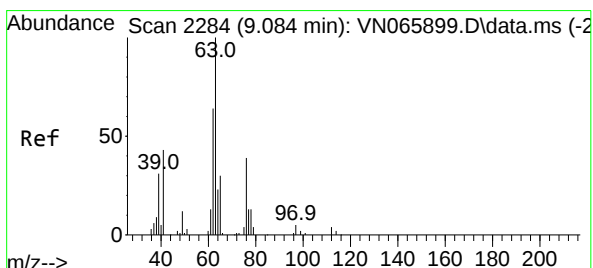
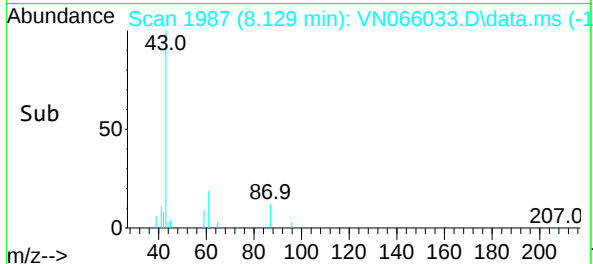
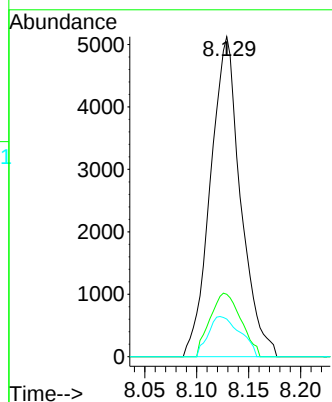
#43

Isopropyl Acetate
Concen: 3.33 ug/l
RT: 8.129 min Scan# 1987
Delta R.T. -0.003 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

Instrument :
MSVOA_N
ClientSampled :



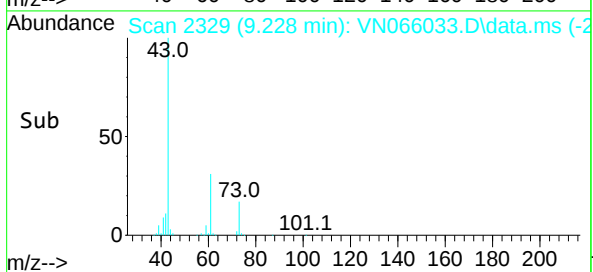
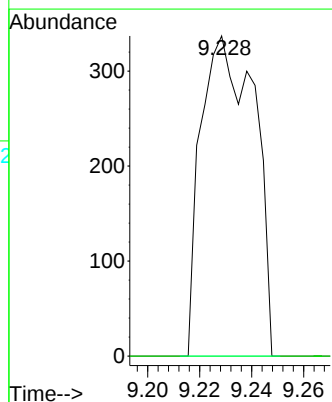
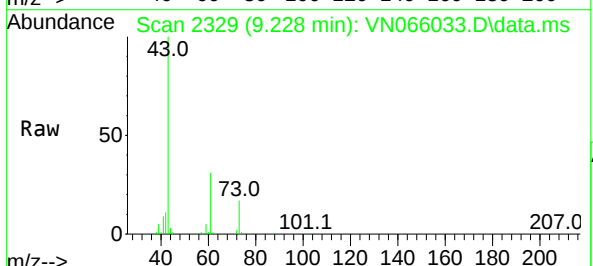
Tgt Ion:	43	Resp:	10341
Ion Ratio	Lower	Upper	
43	100		
61	20.4	22.5	33.7#
87	13.2	11.1	16.7

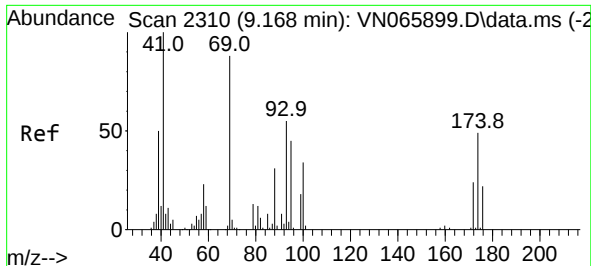


#45

1,2-Dichloropropane
Concen: 0.28 ug/l
RT: 9.228 min Scan# 2329
Delta R.T. 0.144 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

Tgt Ion:	63	Resp:	481
Ion Ratio	Lower	Upper	
63	100		
65	0.0	24.9	37.3#

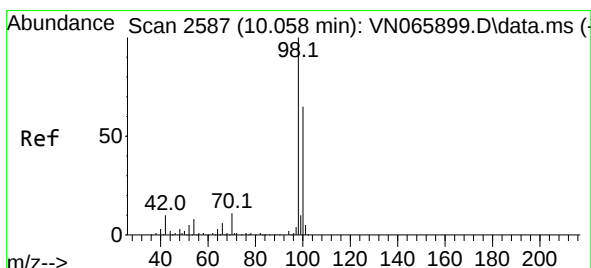
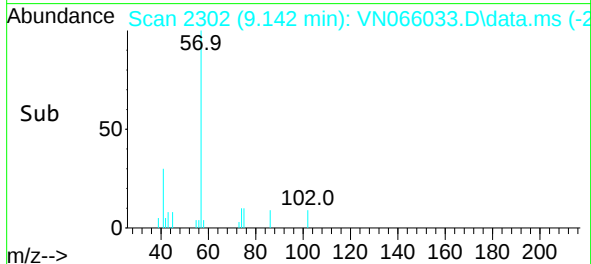
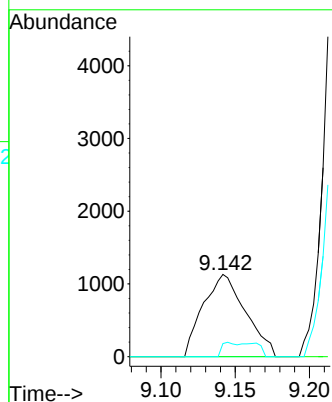
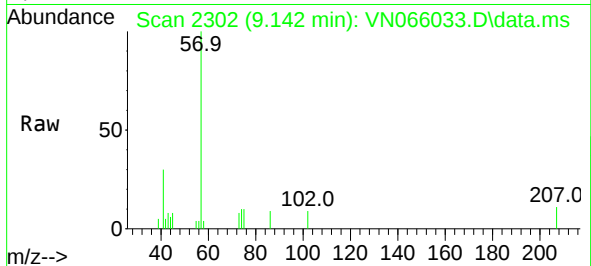




#48
Methyl methacrylate
Concen: 1.43 ug/l
RT: 9.142 min Scan# 2302
Delta R.T. -0.026 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

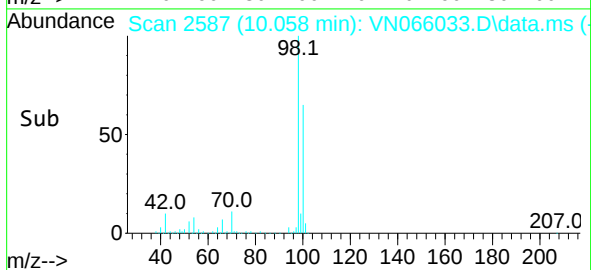
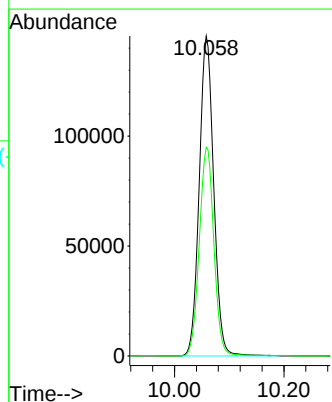
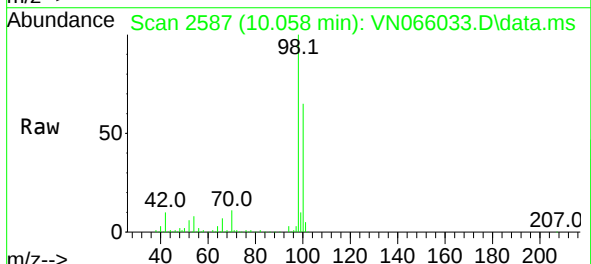
Instrument :
MSVOA_N
ClientSampled :

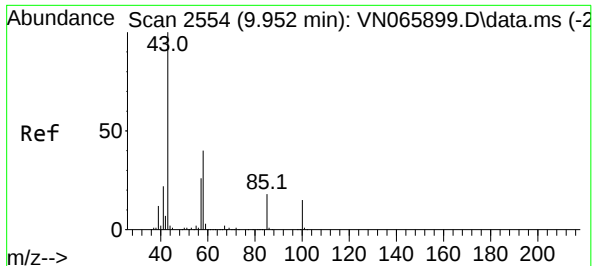
Tgt Ion: 41 Resp: 2246
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 48.05 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

Tgt Ion: 98 Resp: 266939
Ion Ratio Lower Upper
98 100
100 65.8 50.5 75.7

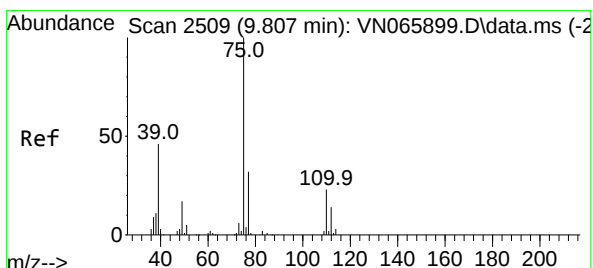
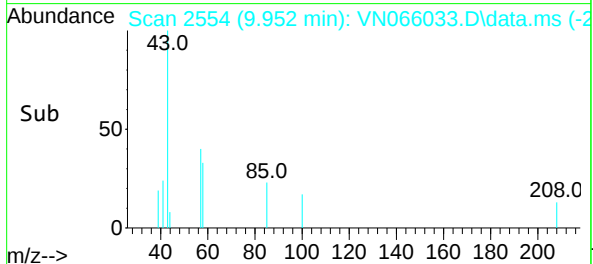
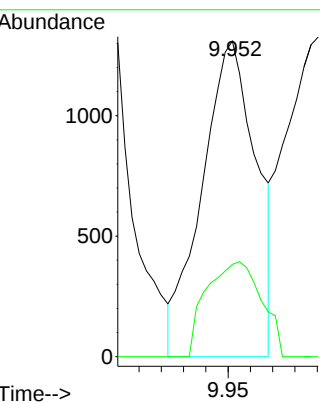
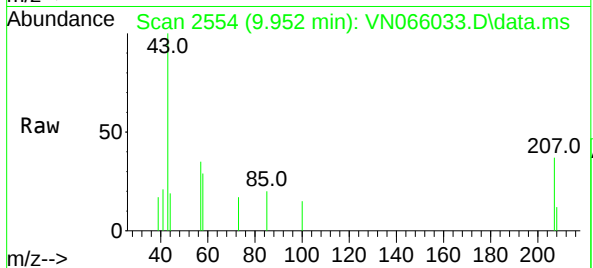




#51
4-Methyl-2-Pentanone
Concen: 1.17 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. -0.000 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

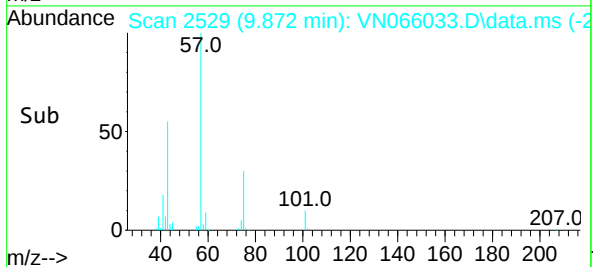
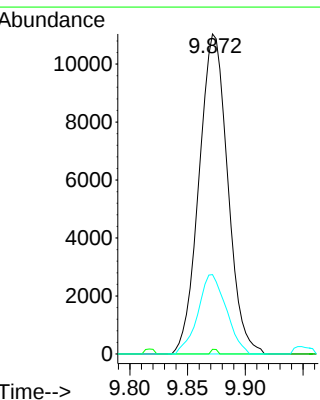
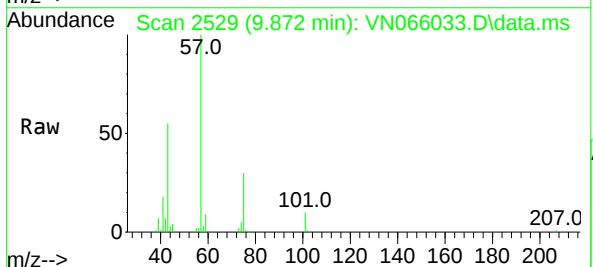
Instrument :
MSVOA_N
ClientSampled :

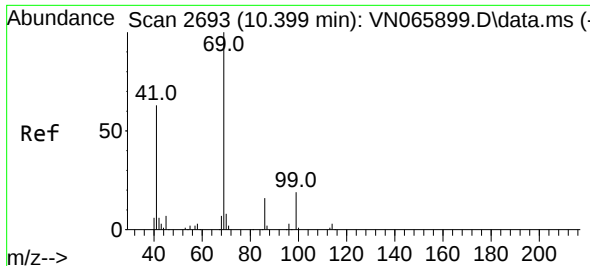
Tgt Ion: 43 Resp: 2207
Ion Ratio Lower Upper
43 100
58 30.7 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 7.31 ug/l
RT: 9.872 min Scan# 2529
Delta R.T. 0.065 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

Tgt Ion: 75 Resp: 19058
Ion Ratio Lower Upper
75 100
77 1.5 24.9 37.3#
39 24.8 36.2 54.4#

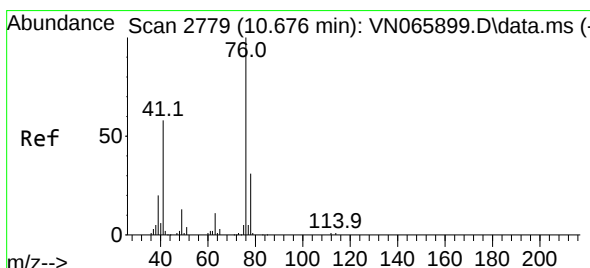
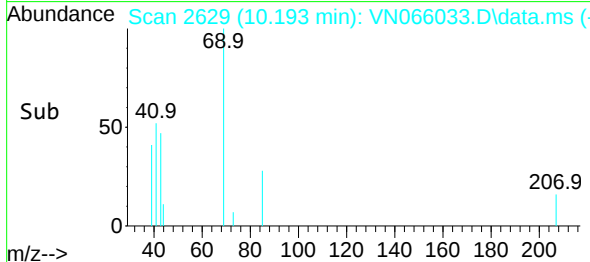
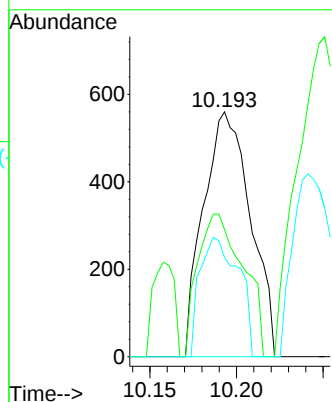
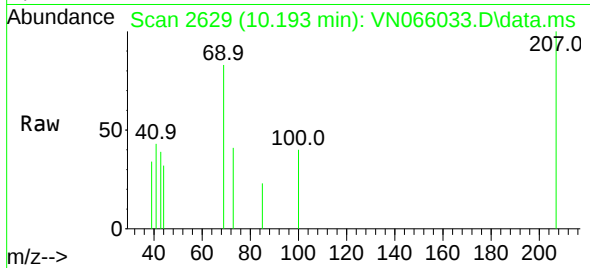




#56
Ethyl methacrylate
Concen: 0.46 ug/l
RT: 10.193 min Scan# 2629
Delta R.T. -0.206 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

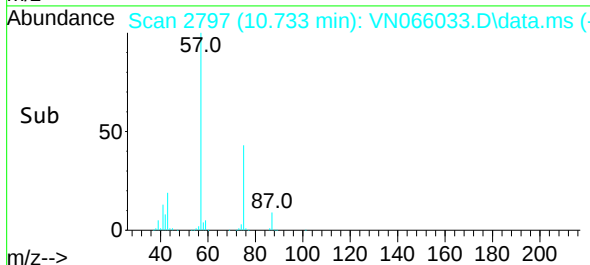
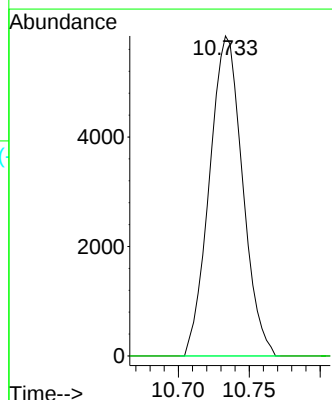
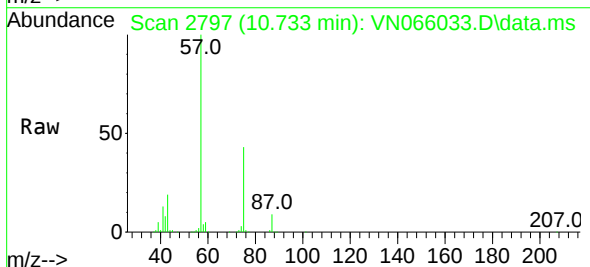
Instrument :
MSVOA_N
ClientSampled :

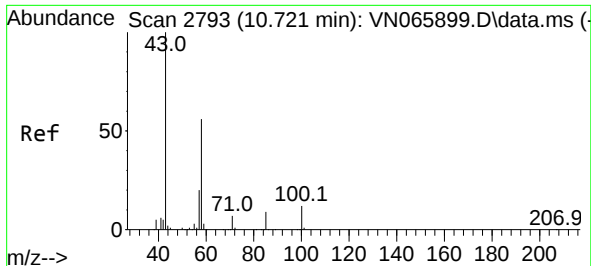
Tgt Ion: 69 Resp: 1058
Ion Ratio Lower Upper
69 100
41 56.3 49.6 74.4
39 39.9 28.0 42.0



#57
1,3-Dichloropropane
Concen: 3.54 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.057 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

Tgt Ion: 76 Resp: 9495
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

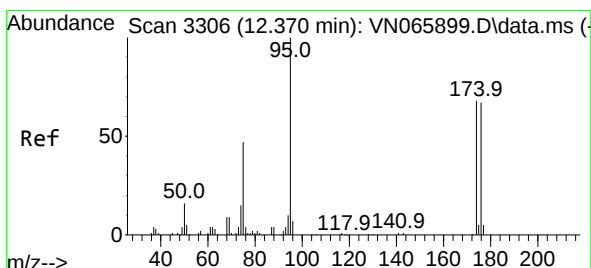
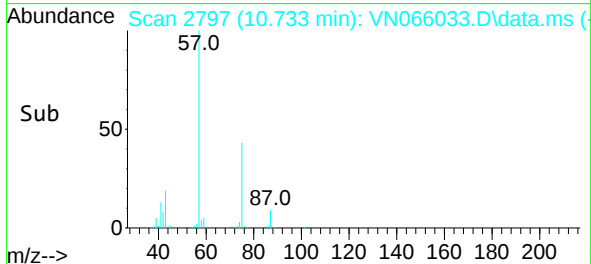
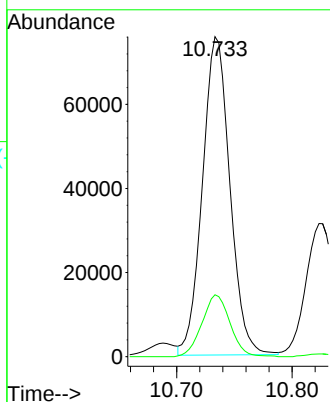
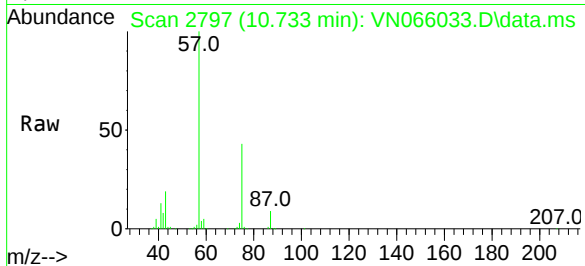




#59
2-Hexanone
Concen: 92.92 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.012 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

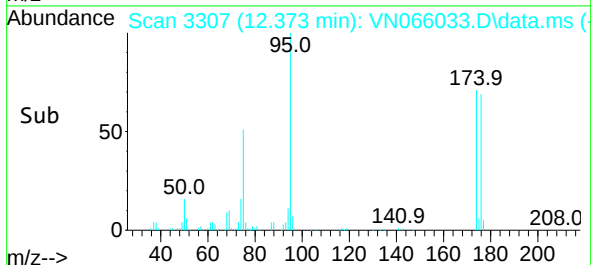
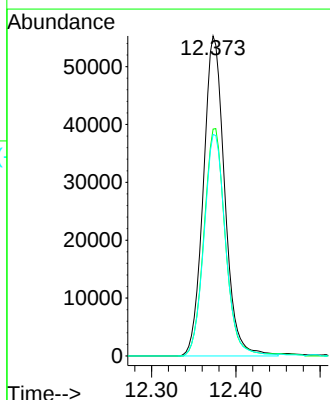
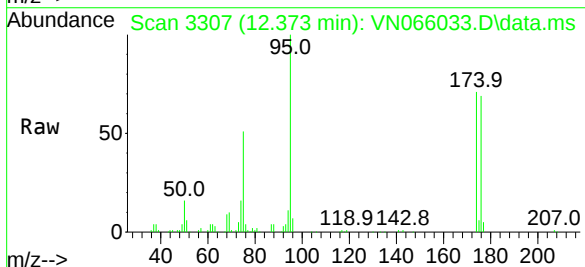
Instrument :
MSVOA_N
ClientSampleId :

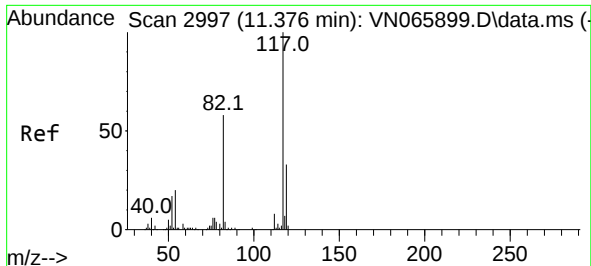
Tgt Ion: 43 Resp: 124983
Ion Ratio Lower Upper
43 100
58 19.9 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 46.65 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

Tgt Ion: 95 Resp: 97287
Ion Ratio Lower Upper
95 100
174 71.2 0.0 169.0
176 70.0 0.0 162.4

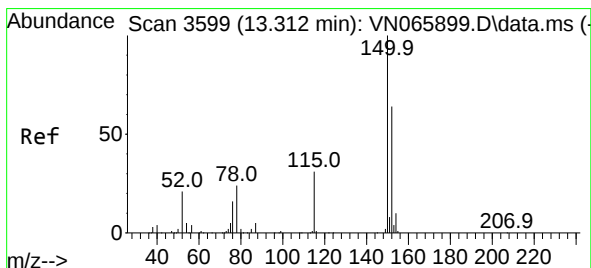
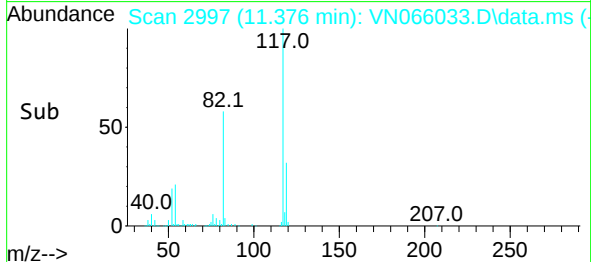
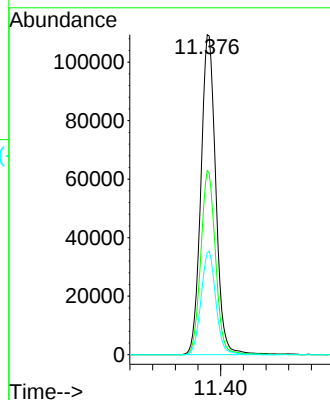
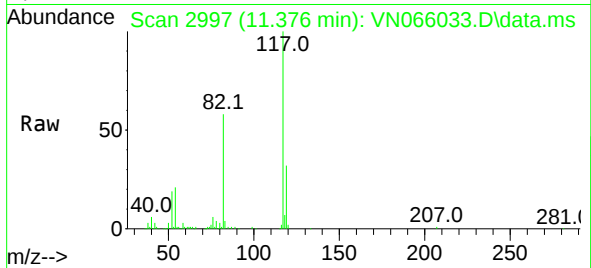




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

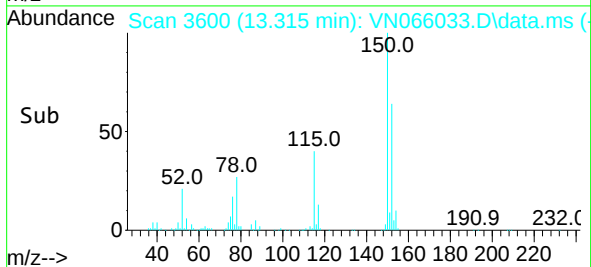
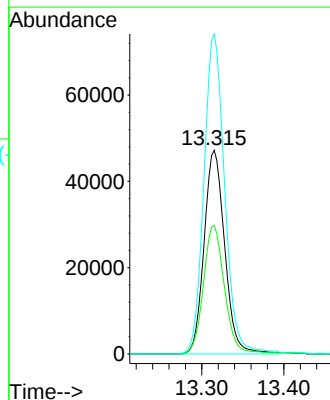
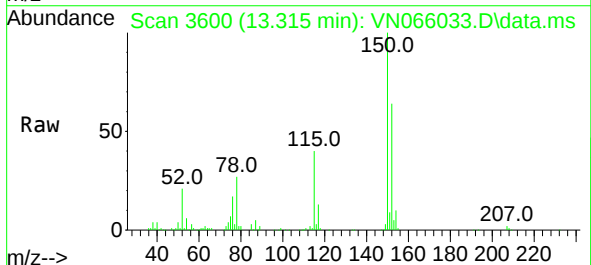
Instrument :
MSVOA_N
ClientSampleId :

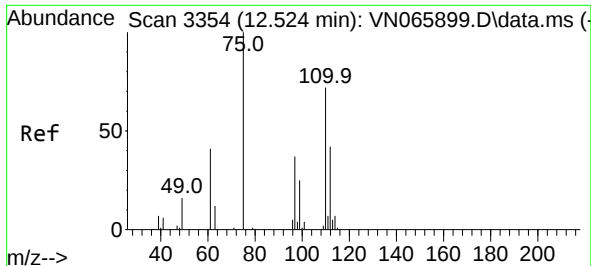
Tgt Ion:117 Resp: 199399
Ion Ratio Lower Upper
117 100
82 57.5 43.7 65.5
119 32.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

Tgt Ion:152 Resp: 82428
Ion Ratio Lower Upper
152 100
115 64.2 28.5 85.6
150 158.2 0.0 347.6

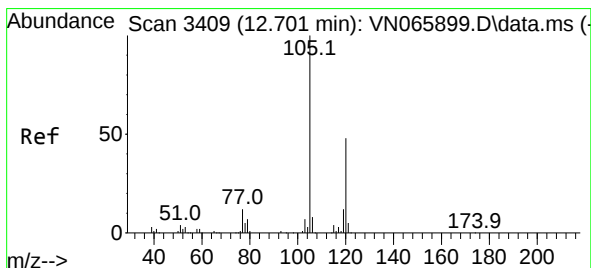
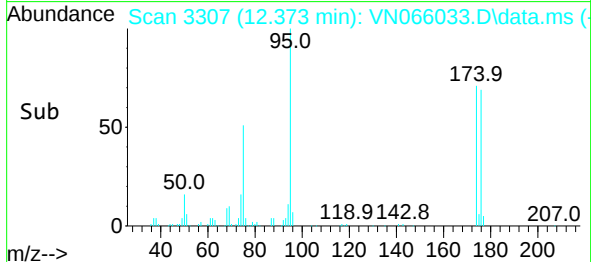
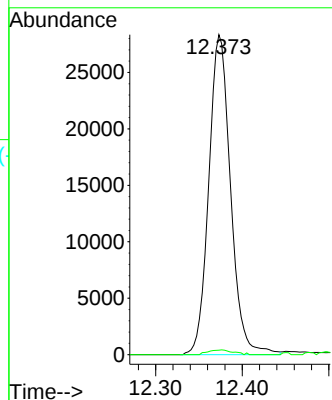
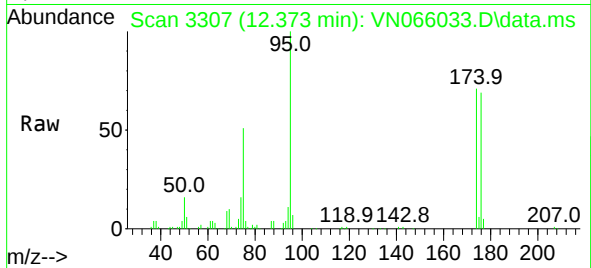




#76
1,2,3-Trichloropropane
Concen: 25.03 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

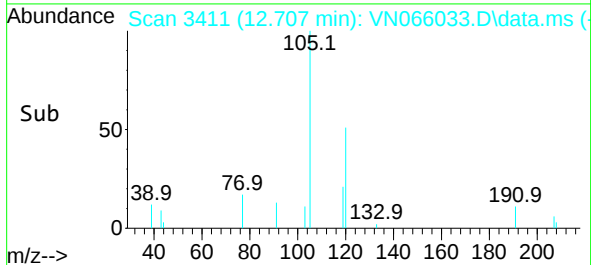
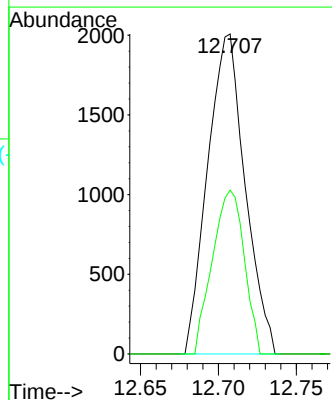
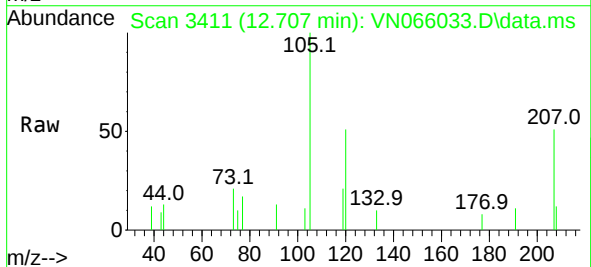
Instrument :
MSVOA_N
ClientSampleId :

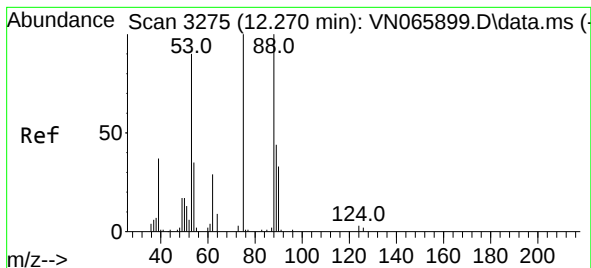
Tgt Ion: 75 Resp: 49561
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.59 ug/l
RT: 12.707 min Scan# 3411
Delta R.T. 0.006 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

Tgt Ion: 105 Resp: 3351
Ion Ratio Lower Upper
105 100
120 43.4 24.3 72.8

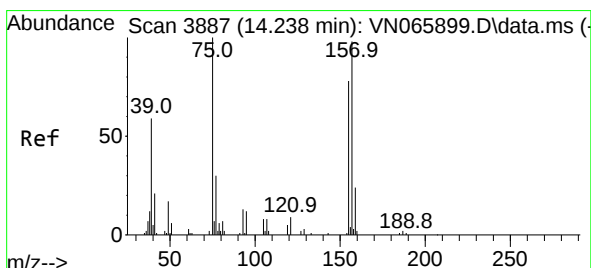
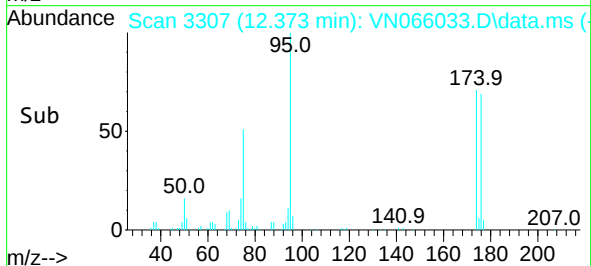
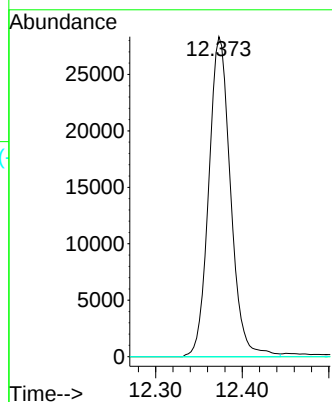
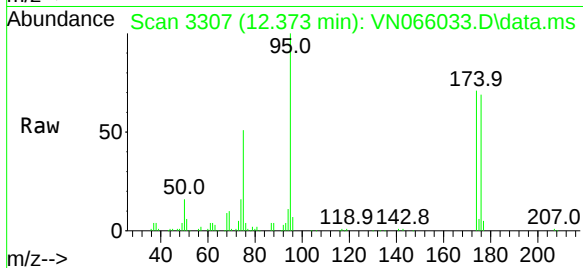




#81
trans-1,4-Dichloro-2-butene
Concen: 79.77 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

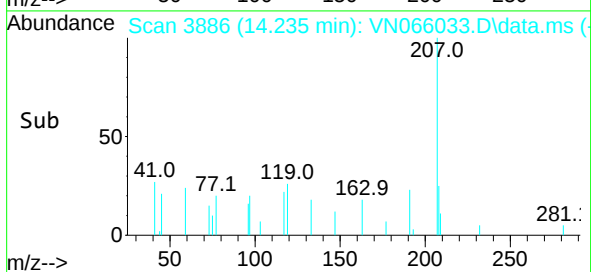
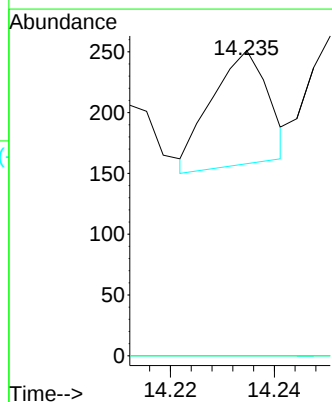
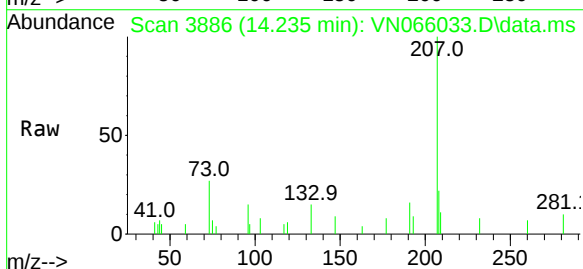
Instrument :
MSVOA_N
ClientSampleId :

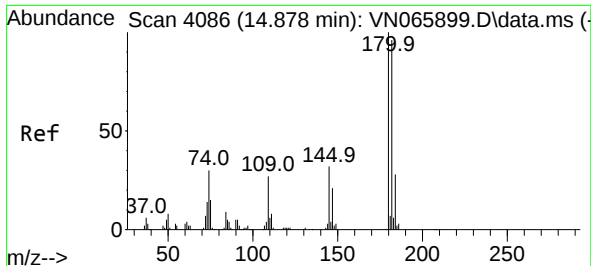
Tgt Ion: 75 Resp: 49561
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.03 ug/l
RT: 14.235 min Scan# 3886
Delta R.T. -0.003 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

Tgt Ion: 75 Resp: 71
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#

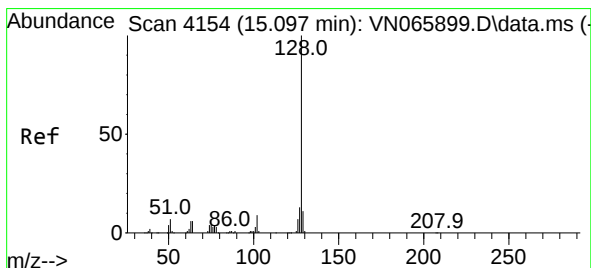
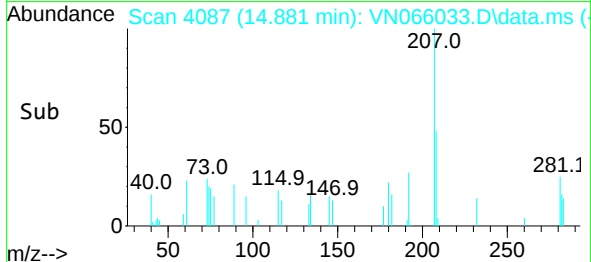
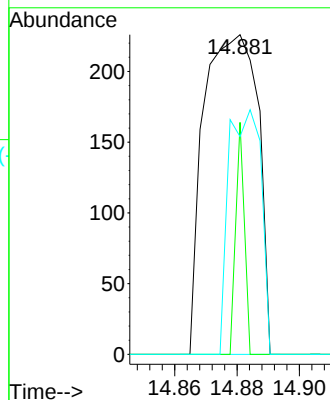
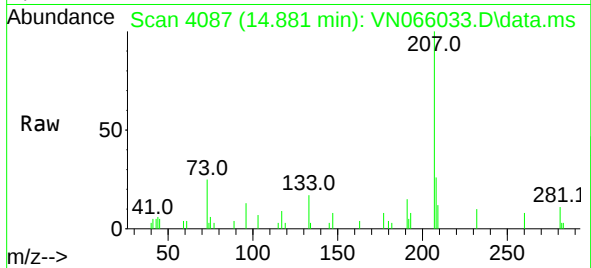




#93
1,2,4-Trichlorobenzene
Concen: 2.64 ug/l
RT: 14.881 min Scan# 4087
Delta R.T. 0.003 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

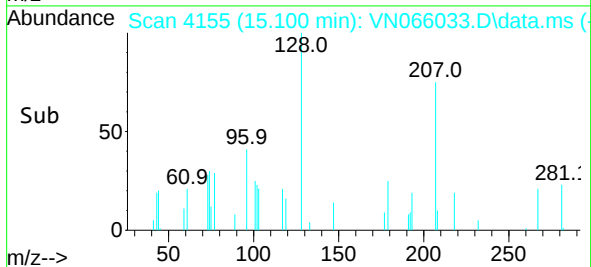
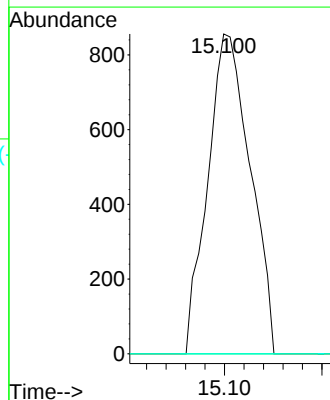
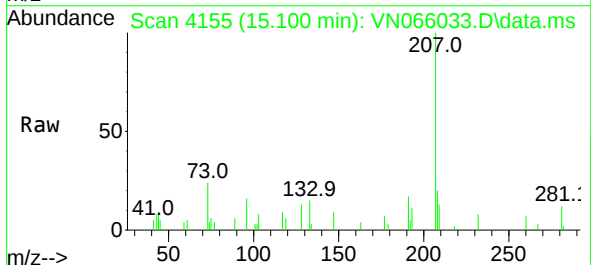
Instrument :
MSVOA_N
ClientSampled :

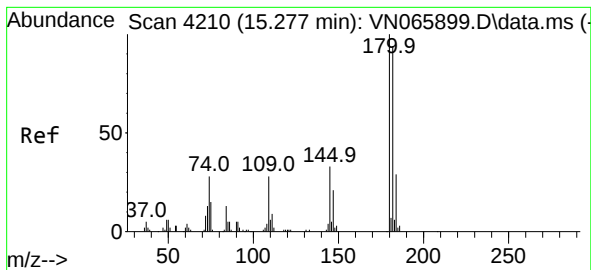
Tgt Ion:180 Resp: 271
Ion Ratio Lower Upper
180 100
182 11.8 47.3 142.0#
145 45.8 15.6 46.8



#95
Naphthalene
Concen: 3.31 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.003 min
Lab File: VN066033.D
Acq: 25 Feb 2021 17:18

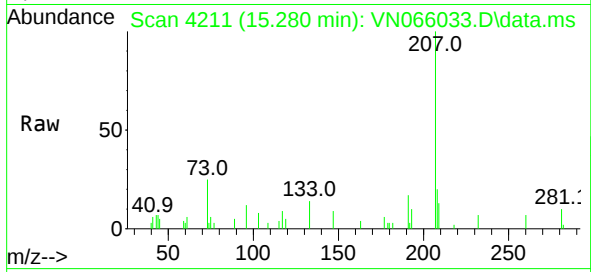
Tgt Ion:128 Resp: 1297
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.33 ug/l
 RT: 15.280 min Scan# 4211
 Delta R.T. 0.003 min
 Lab File: VN066033.D
 Acq: 25 Feb 2021 17:18

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 254
 Ion Ratio Lower Upper
 180 100
 182 45.3 47.4 142.3#
 145 0.0 16.5 49.5#

