

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022521\
 Data File : VN066034.D
 Acq On : 25 Feb 2021 17:42
 Operator : JC/MD
 Sample : PB134803ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 26 01:23:48 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)

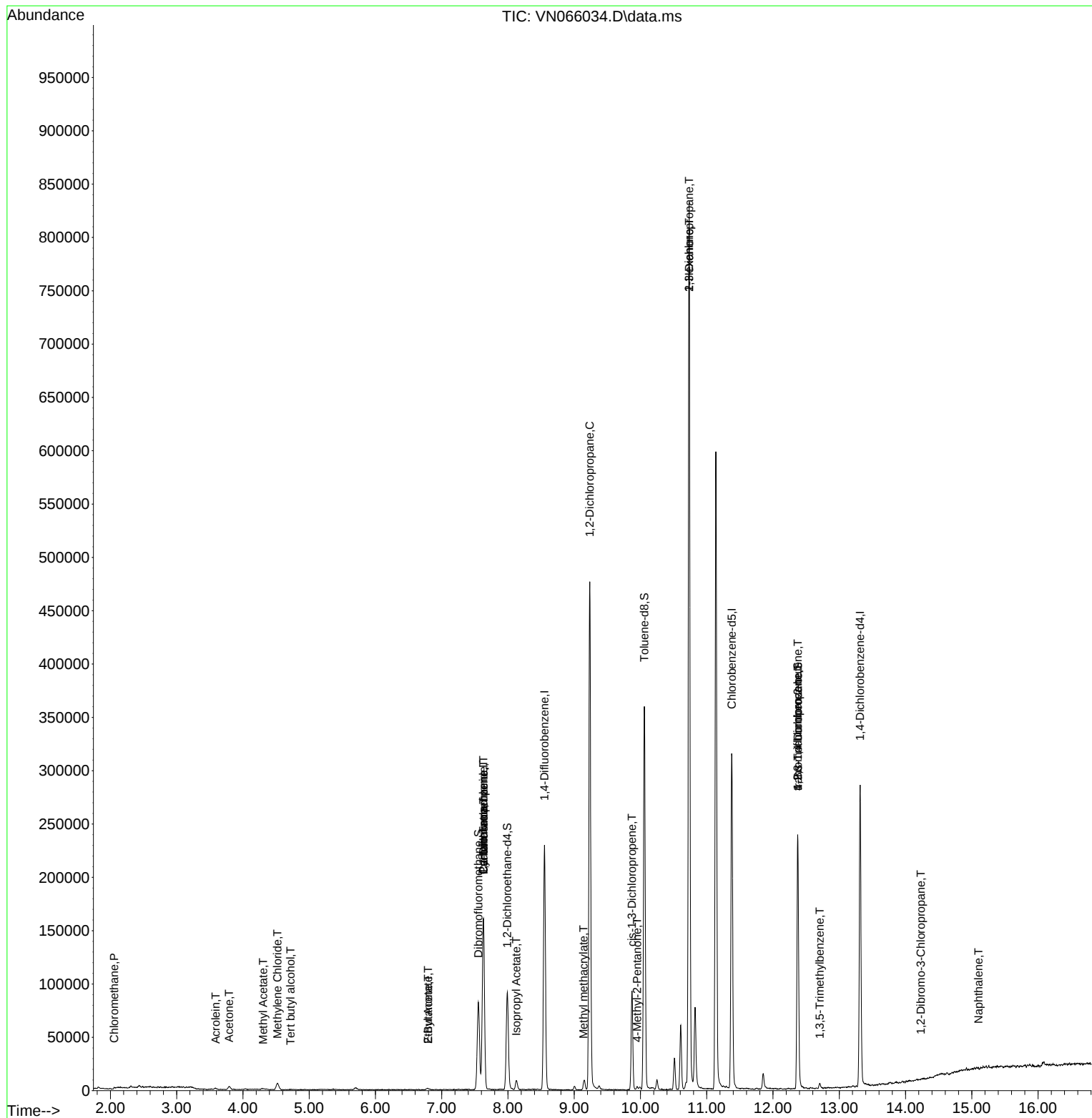
Internal Standards						
1) Pentafluorobenzene	7.630	168	130970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	212398	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	193456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	81074	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	85302	46.57	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.14%		
35) Dibromofluoromethane	7.553	113	64015	48.70	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.40%		
50) Toluene-d8	10.058	98	257472	47.72	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.44%		
62) 4-Bromofluorobenzene	12.373	95	95909	47.35	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.70%		
Target Compounds						Qvalue
3) Chloromethane	2.055	50	818	0.38	ug/l #	87
11) Tert butyl alcohol	4.721	59	58	0.23	ug/l #	73
13) Acrolein	3.589	56	1312	5.63	ug/l	94
16) Acetone	3.791	43	5292	7.64	ug/l	97
18) Methyl Acetate	4.306	43	1387	0.92	ug/l #	72
20) Methylene Chloride	4.521	84	4870	2.87	ug/l	92
25) 2-Butanone	6.794	43	1239	1.37	ug/l #	46
31) Cyclohexane	7.627	56	2419	0.89	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	9908	4.73	ug/l #	47
37) Ethyl Acetate	6.794	43	1239	0.66	ug/l #	68
38) Carbon Tetrachloride	7.627	117	13137	6.75	ug/l #	17
43) Isopropyl Acetate	8.126	43	9999	3.32	ug/l #	84
45) 1,2-Dichloropropane	9.235	63	421	0.26	ug/l #	44
48) Methyl methacrylate	9.138	41	2110	1.38	ug/l #	10
51) 4-Methyl-2-Pentanone	9.949	43	1958	1.07	ug/l #	84
54) cis-1,3-Dichloropropene	9.871	75	17790	7.03	ug/l #	59
57) 1,3-Dichloropropane	10.733	76	9425	3.62	ug/l #	43
59) 2-Hexanone	10.733	43	120841	92.50	ug/l #	50
76) 1,2,3-Trichloropropane	12.373	75	47448	24.36	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.707	105	2967	0.53	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.373	75	47448	77.64	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.231	75	365	1.78	ug/l #	1
95) Naphthalene	15.103	128	672	3.19	ug/l #	69

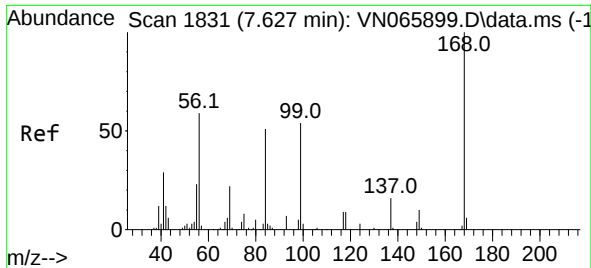
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

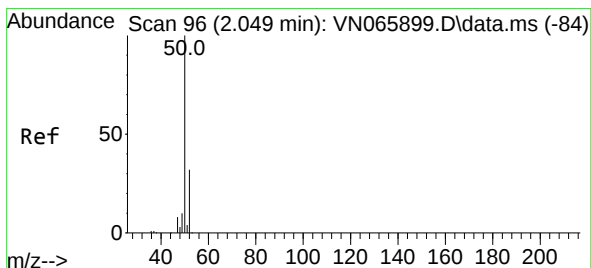
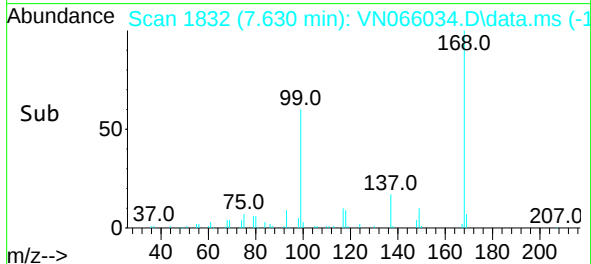
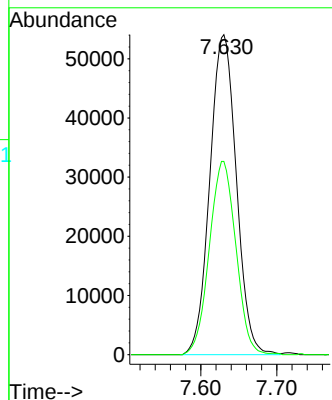
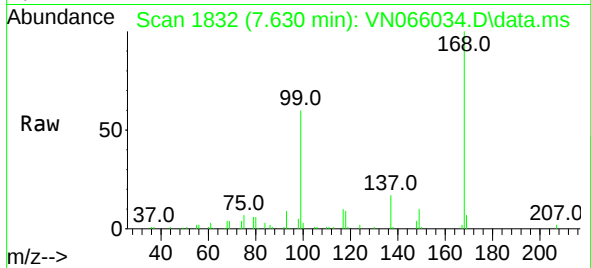




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

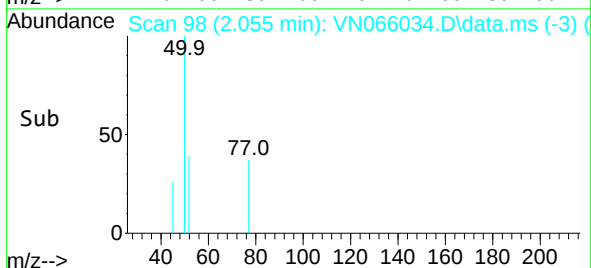
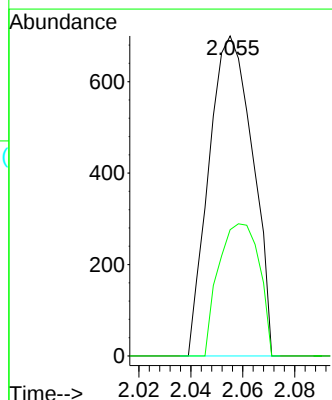
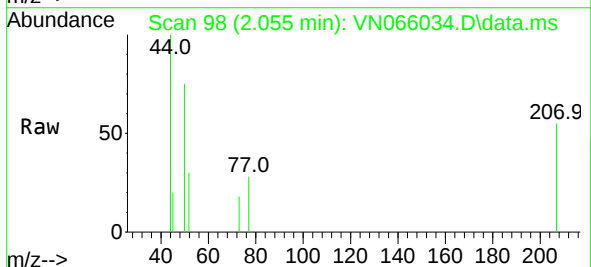
Instrument :
MSVOA_N
ClientSampled :

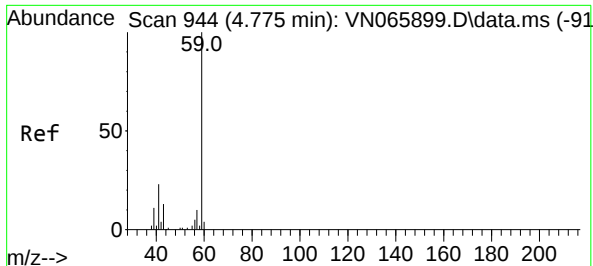
Tgt Ion:168 Resp: 130970
Ion Ratio Lower Upper
168 100
99 60.4 42.6 63.8



#3
Chloromethane
Concen: 0.38 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

Tgt Ion: 50 Resp: 818
Ion Ratio Lower Upper
50 100
52 39.4 25.8 38.8#

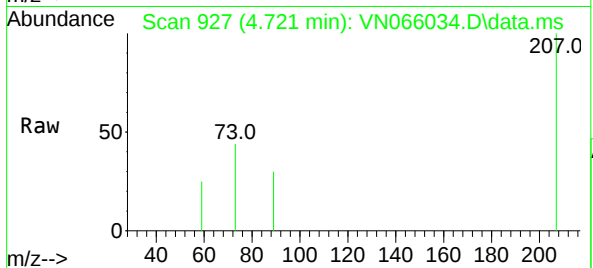




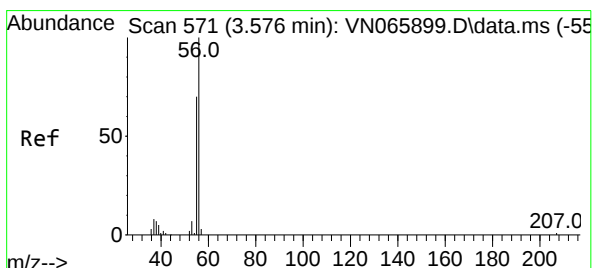
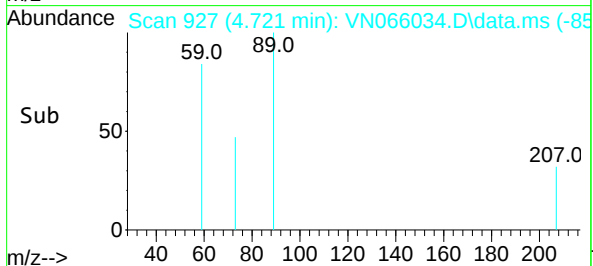
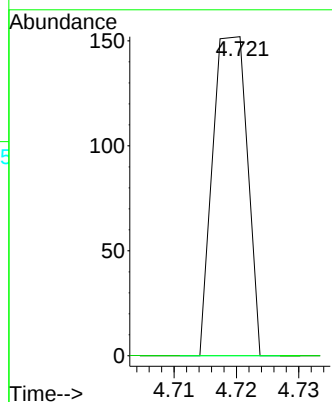
#11

Tert butyl alcohol
Concen: 0.23 ug/l
RT: 4.721 min Scan# 927
Delta R.T. -0.054 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

Instrument :
MSVOA_N
ClientSampled :



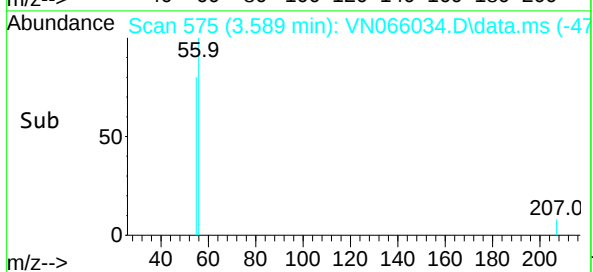
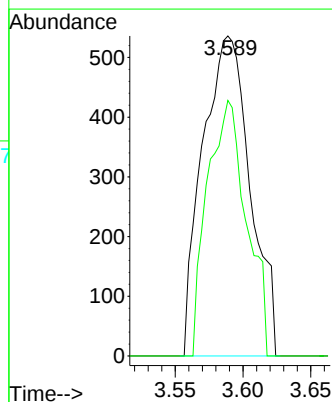
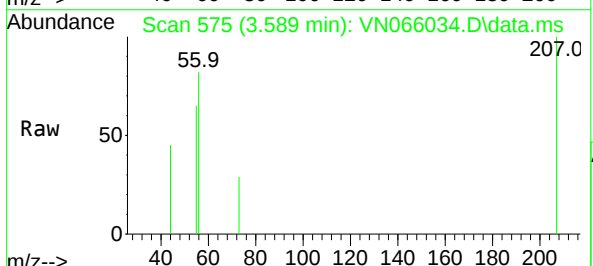
Tgt Ion: 59 Resp: 58
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

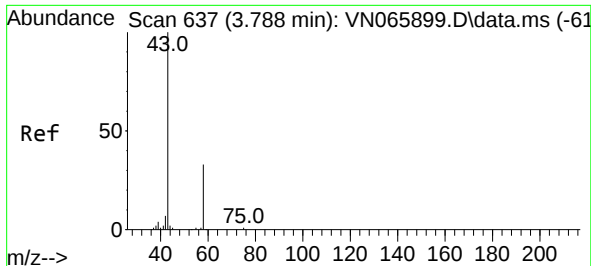


#13

Acrolein
Concen: 5.63 ug/l
RT: 3.589 min Scan# 575
Delta R.T. 0.013 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

Tgt Ion: 56 Resp: 1312
Ion Ratio Lower Upper
56 100
55 65.4 56.0 84.0

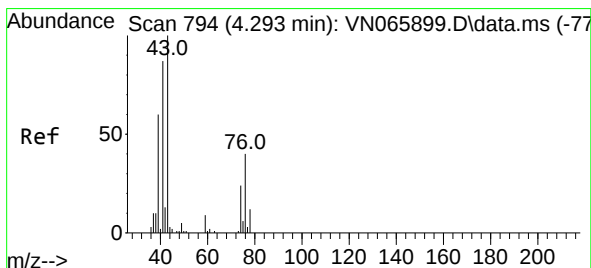
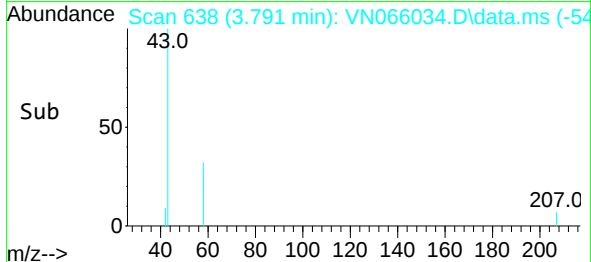
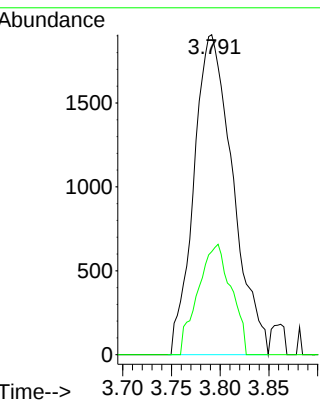
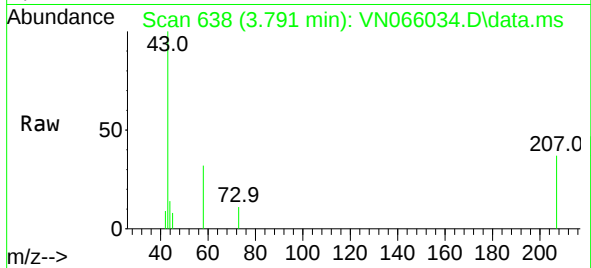




#16
Acetone
Concen: 7.64 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.003 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

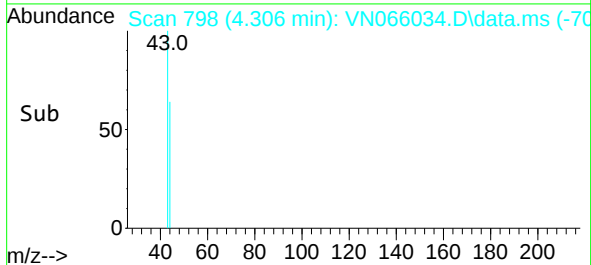
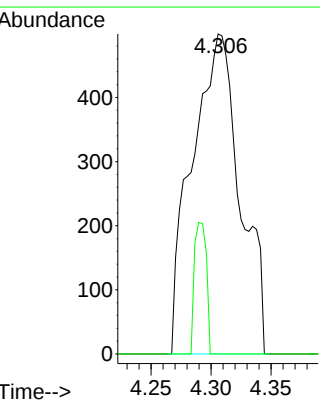
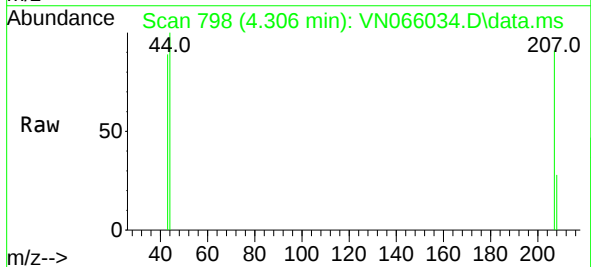
Instrument :
MSVOA_N
ClientSampled :

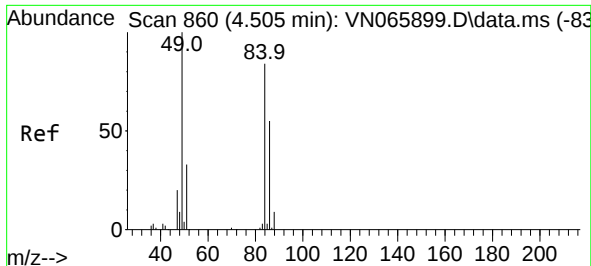
Tgt Ion: 43 Resp: 5292
Ion Ratio Lower Upper
43 100
58 32.2 27.0 40.6



#18
Methyl Acetate
Concen: 0.92 ug/l
RT: 4.306 min Scan# 798
Delta R.T. 0.013 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

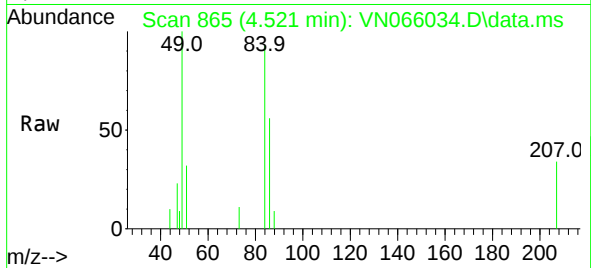
Tgt Ion: 43 Resp: 1387
Ion Ratio Lower Upper
43 100
74 10.3 19.5 29.3#



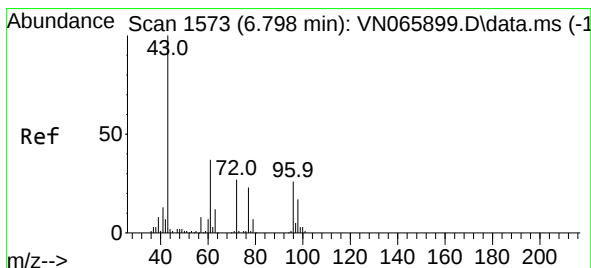
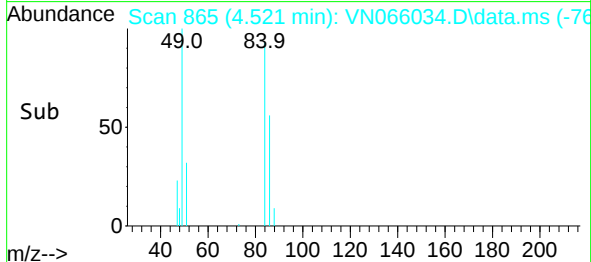
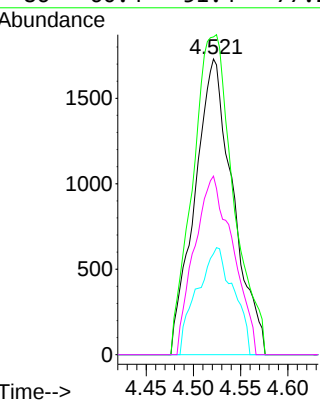


#20
Methylene Chloride
Concen: 2.87 ug/l
RT: 4.521 min Scan# 865
Delta R.T. 0.016 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

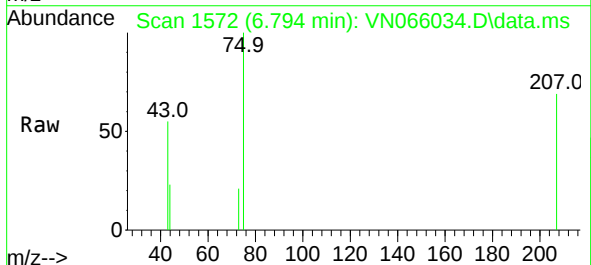
Instrument :
MSVOA_N
ClientSampled :



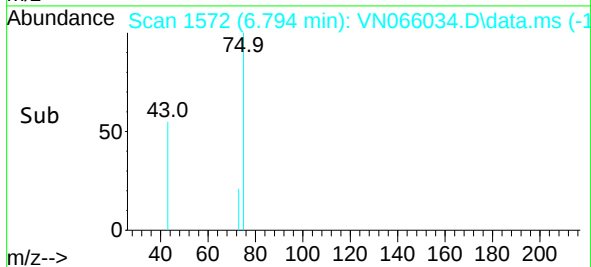
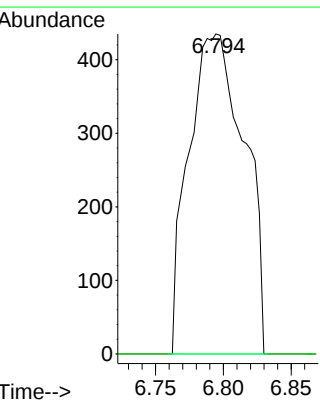
Tgt Ion:	84	Resp:	4870
Ion	Ratio	Lower	Upper
84	100		
49	107.5	94.6	141.8
51	34.2	29.9	44.9
86	60.4	51.4	77.2

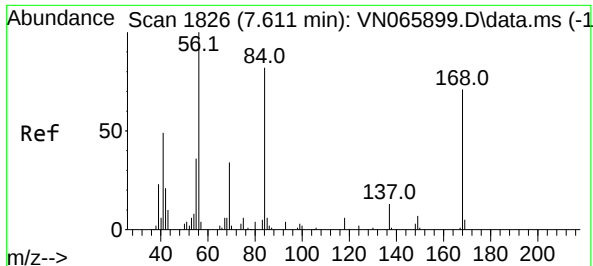


#25
2-Butanone
Concen: 1.37 ug/l
RT: 6.794 min Scan# 1572
Delta R.T. -0.004 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42



Tgt Ion:	43	Resp:	1239
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.1	34.7#





#31

Cyclohexane

Concen: 0.89 ug/l

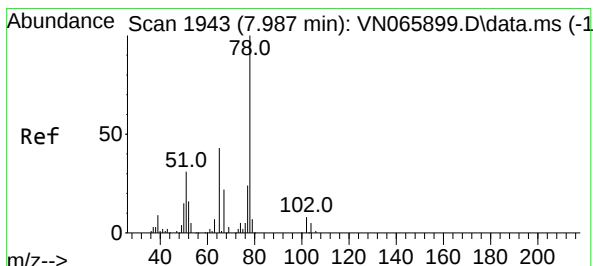
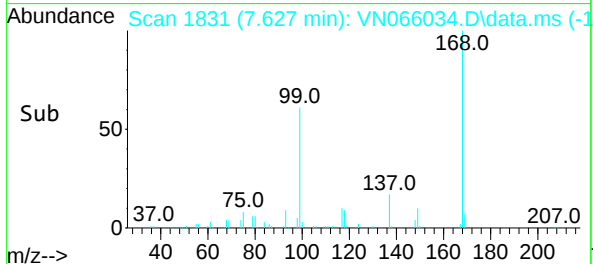
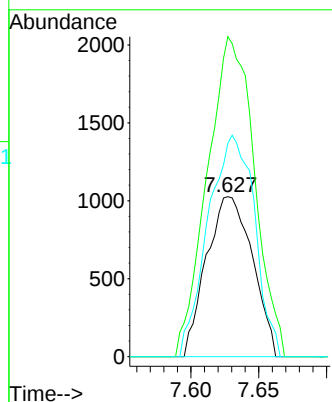
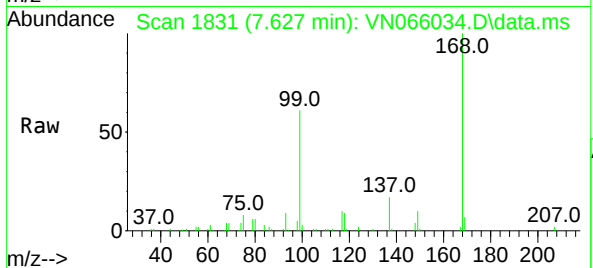
RT: 7.627 min Scan# 1831

Delta R.T. 0.016 min

Lab File: VN066034.D

Acq: 25 Feb 2021 17:42

Tgt Ion:	56	Resp:	2419
Ion	Ratio	Lower	Upper
56	100		
69	184.6	26.6	39.8#
84	133.4	70.4	105.6#



#33

1,2-Dichloroethane-d4

Concen: 46.57 ug/l

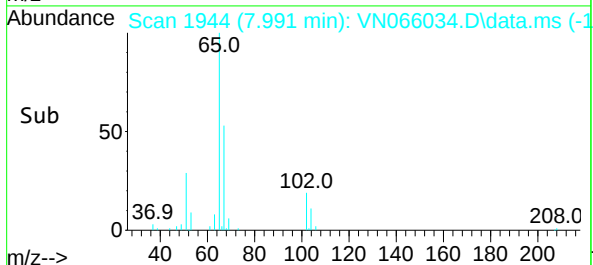
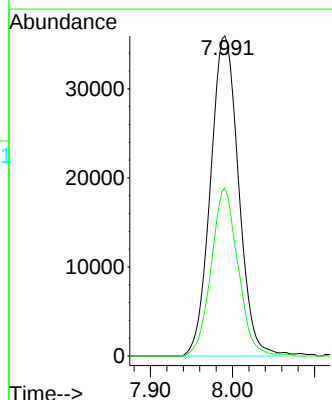
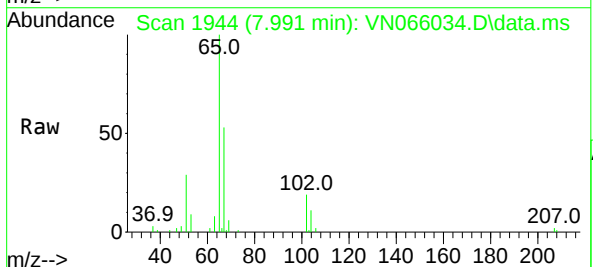
RT: 7.991 min Scan# 1944

Delta R.T. 0.004 min

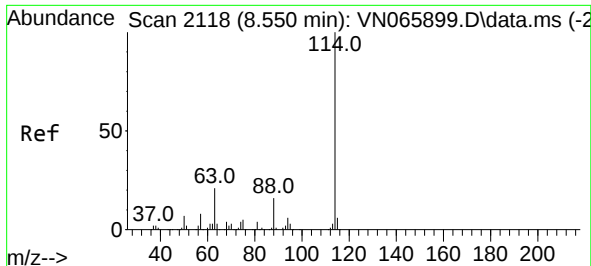
Lab File: VN066034.D

Acq: 25 Feb 2021 17:42

Tgt Ion:	65	Resp:	85302
Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	107.2



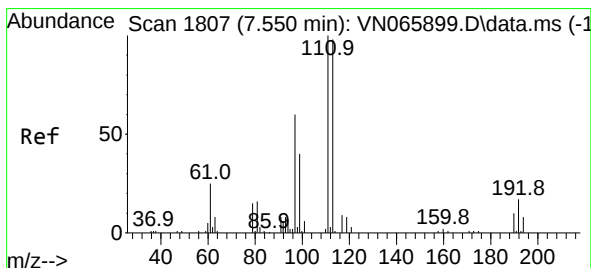
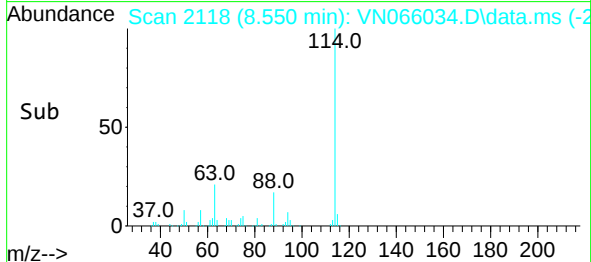
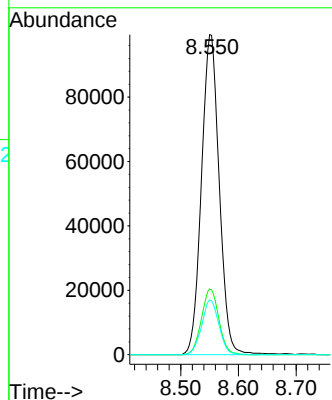
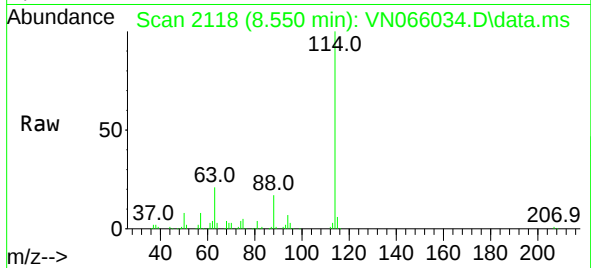
Instrument :
MSVOA_N
ClientSampleId :



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

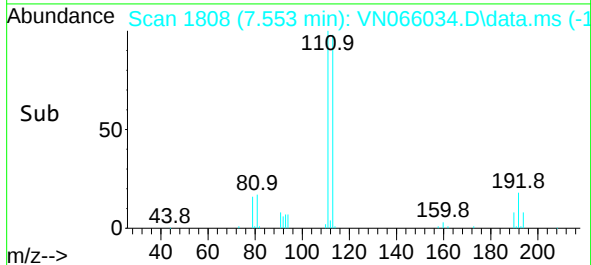
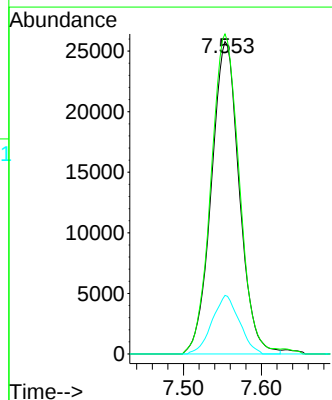
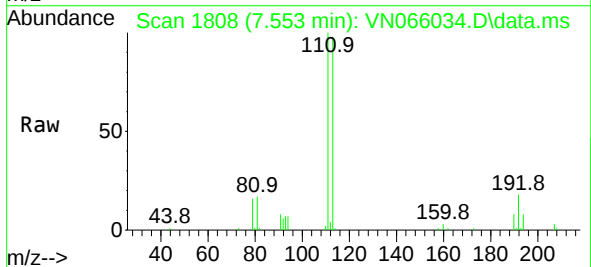
Instrument :
MSVOA_N
ClientSampleId :

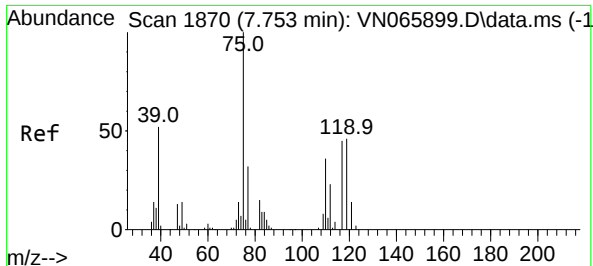
Tgt Ion:114 Resp: 212398
Ion Ratio Lower Upper
114 100
63 20.6 0.0 38.6
88 17.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.70 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

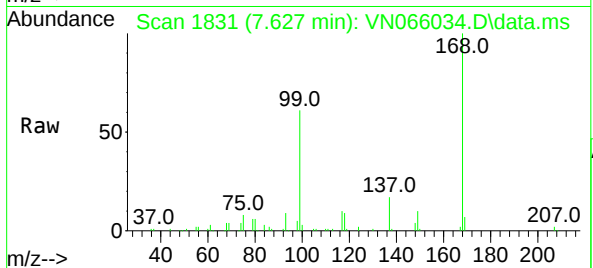
Tgt Ion:113 Resp: 64015
Ion Ratio Lower Upper
113 100
111 104.1 82.2 123.2
192 18.3 15.4 23.0



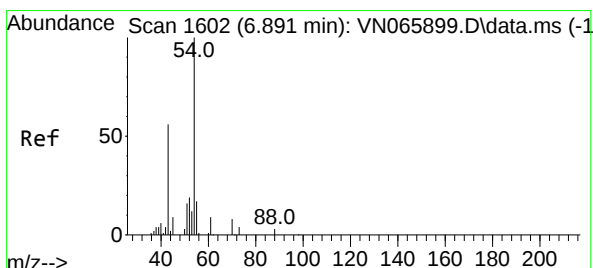
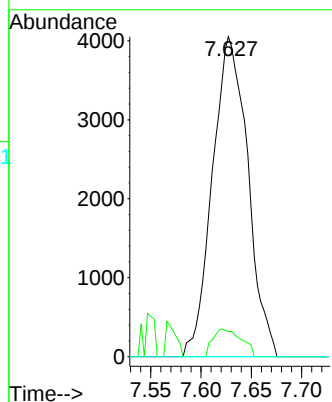
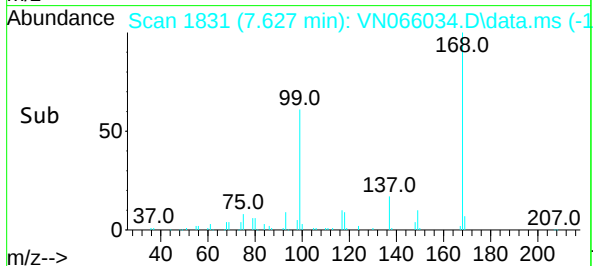


#36
1,1-Dichloropropene
Concen: 4.73 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

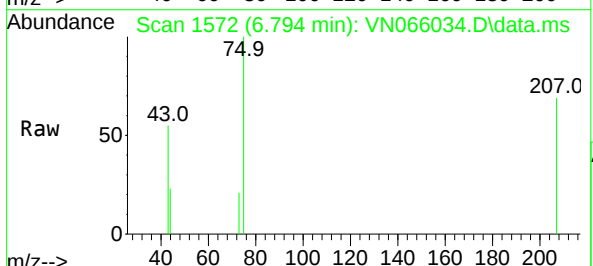
Instrument :
MSVOA_N
ClientSampled :



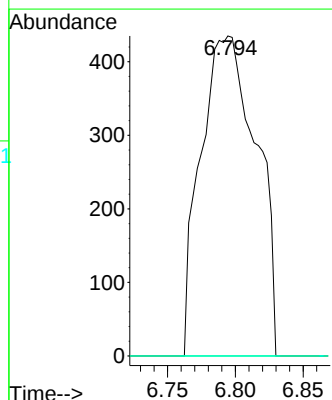
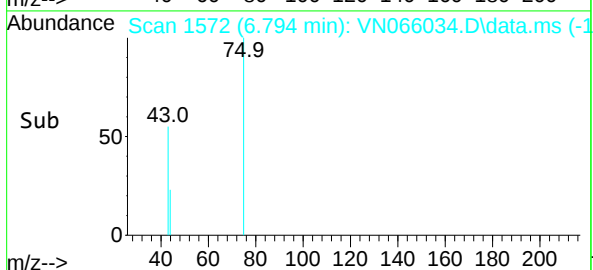
Tgt Ion: 75 Resp: 9908
Ion Ratio Lower Upper
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110 6.9 18.2 54.6#
77 0.0 24.9 37.3#

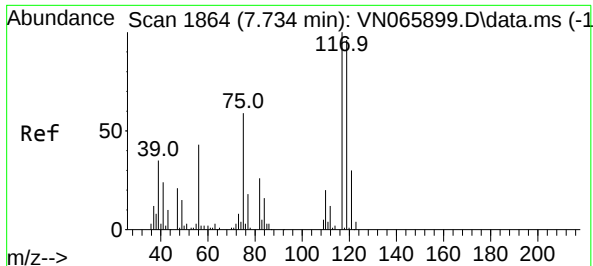


#37
Ethyl Acetate
Concen: 0.66 ug/l
RT: 6.794 min Scan# 1572
Delta R.T. -0.097 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42



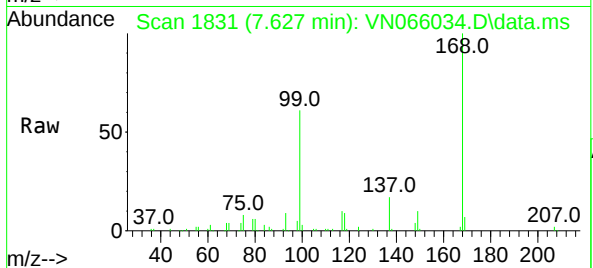
Tgt Ion: 43 Resp: 1239
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



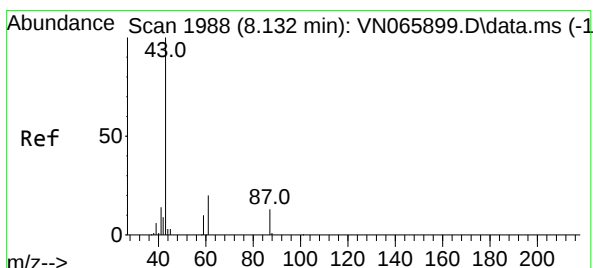
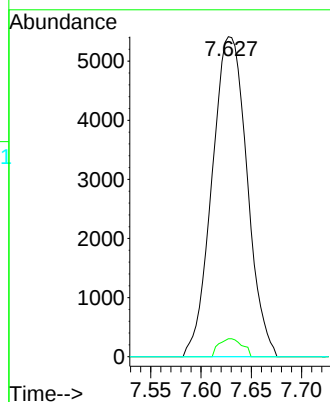
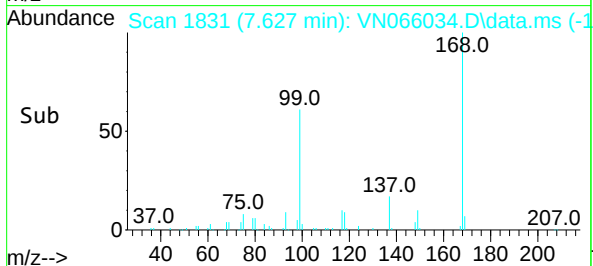


#38
Carbon Tetrachloride
Concen: 6.75 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.107 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

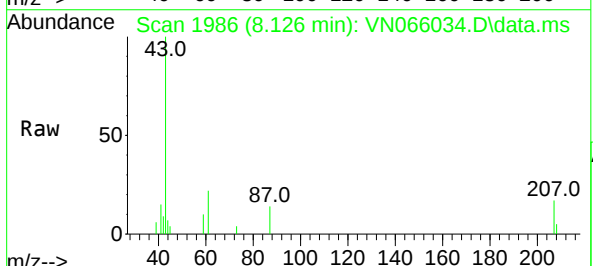
Instrument :
MSVOA_N
ClientSampleId :



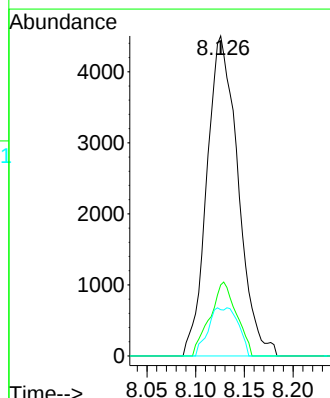
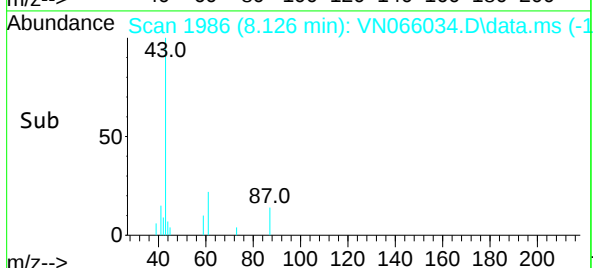
Tgt Ion:117 Resp: 13137
Ion Ratio Lower Upper
117 100
119 5.6 76.0 114.0#
121 0.0 24.5 36.7#

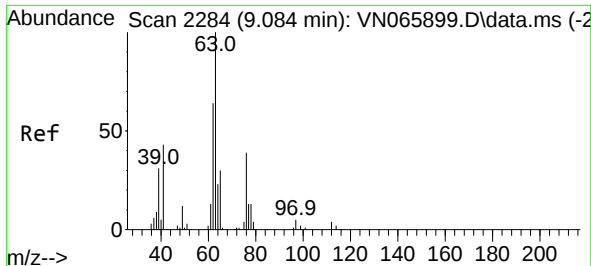


#43
Isopropyl Acetate
Concen: 3.32 ug/l
RT: 8.126 min Scan# 1986
Delta R.T. -0.006 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42



Tgt Ion: 43 Resp: 9999
Ion Ratio Lower Upper
43 100
61 19.7 22.5 33.7#
87 7.9 11.1 16.7#





#45

1,2-Dichloropropane

Concen: 0.26 ug/l

RT: 9.235 min Scan# 2331

Delta R.T. 0.151 min

Lab File: VN066034.D

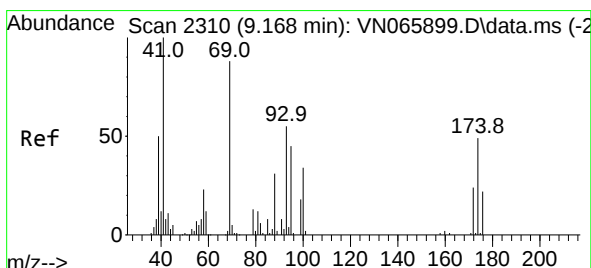
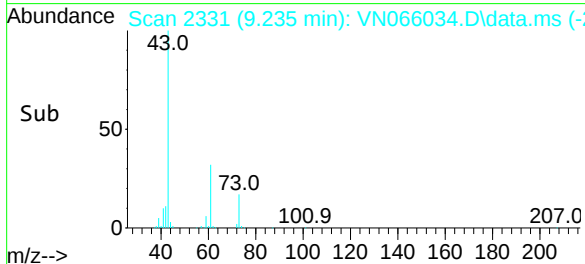
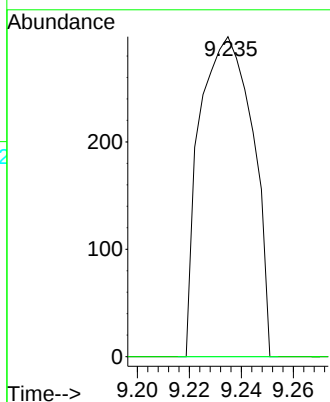
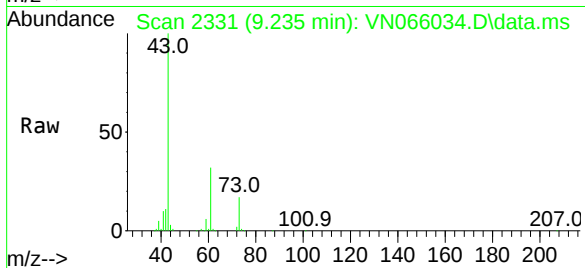
Acq: 25 Feb 2021 17:42

Tgt Ion: 63 Resp: 421

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.38 ug/l

RT: 9.138 min Scan# 2301

Delta R.T. -0.030 min

Lab File: VN066034.D

Acq: 25 Feb 2021 17:42

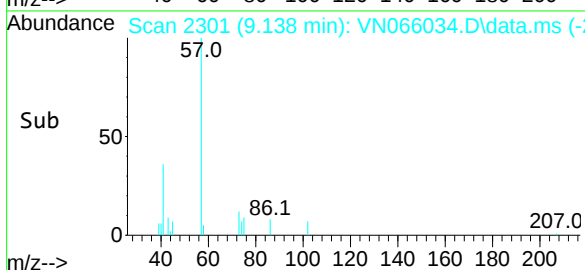
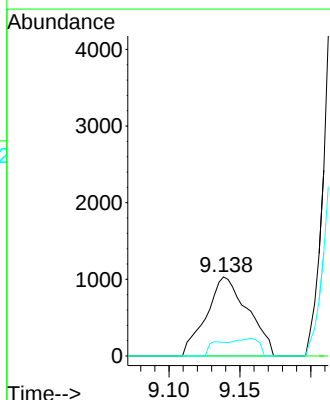
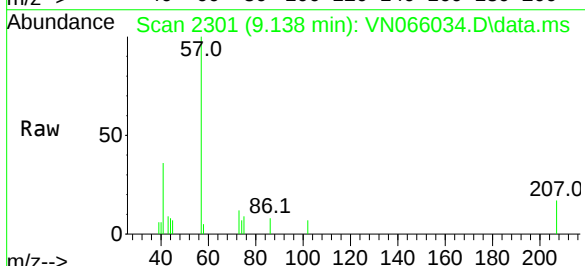
Tgt Ion: 41 Resp: 2110

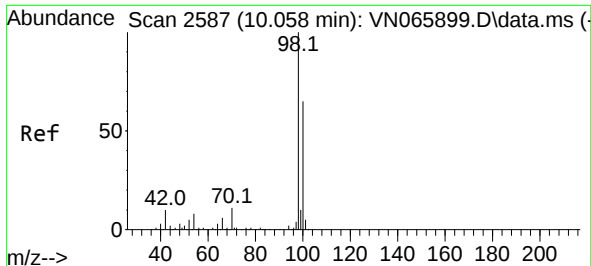
Ion Ratio Lower Upper

41 100

69 0.0 75.9 113.9#

39 0.0 46.6 69.8#

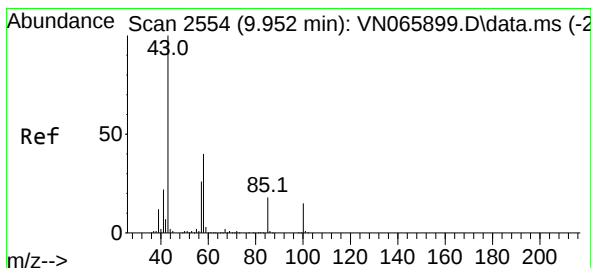
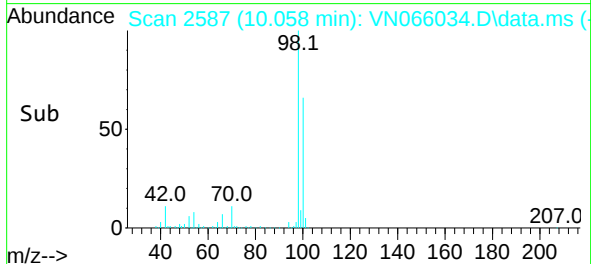
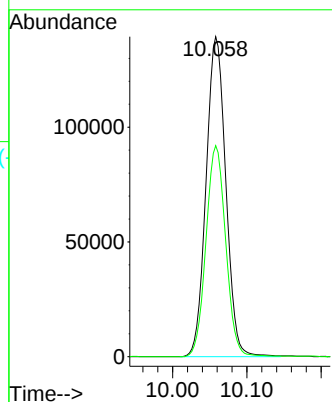
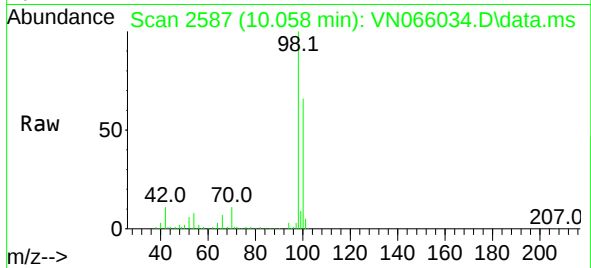




#50
Toluene-d8
Concen: 47.72 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

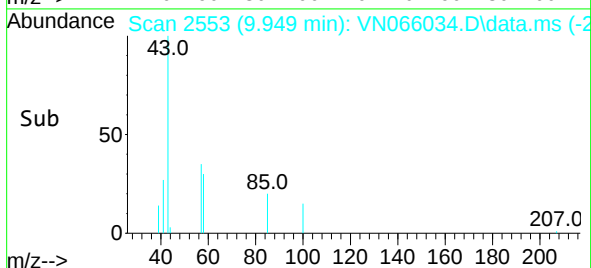
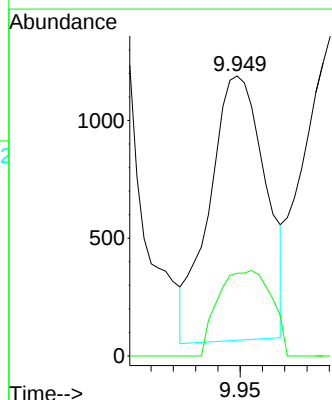
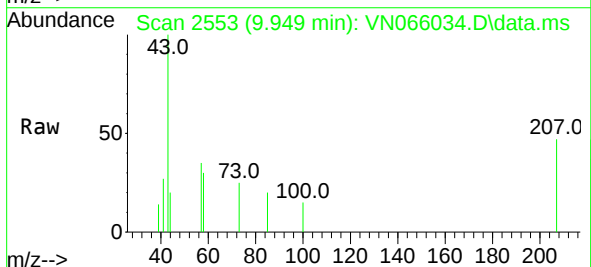
Instrument :
MSVOA_N
ClientSampled :

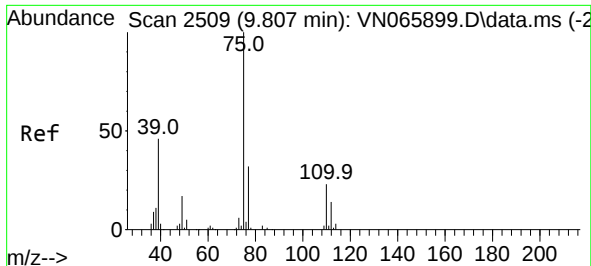
Tgt Ion: 98 Resp: 257472
Ion Ratio Lower Upper
98 100
100 65.9 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.07 ug/l
RT: 9.949 min Scan# 2553
Delta R.T. -0.003 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

Tgt Ion: 43 Resp: 1958
Ion Ratio Lower Upper
43 100
58 30.8 32.5 48.7#

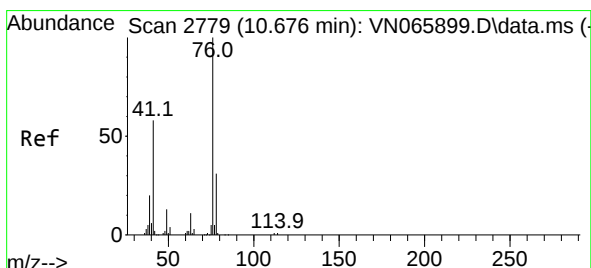
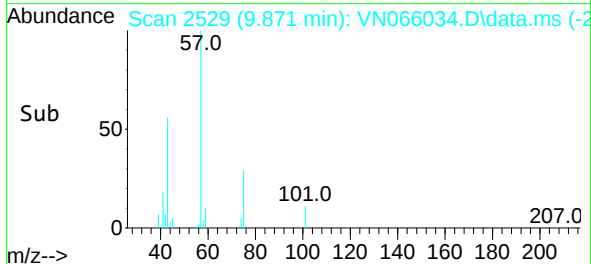
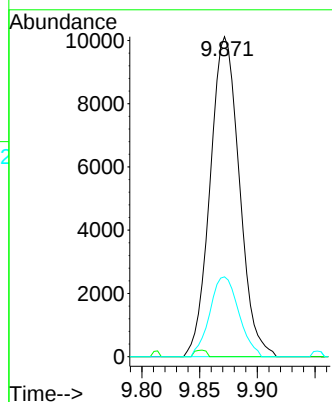
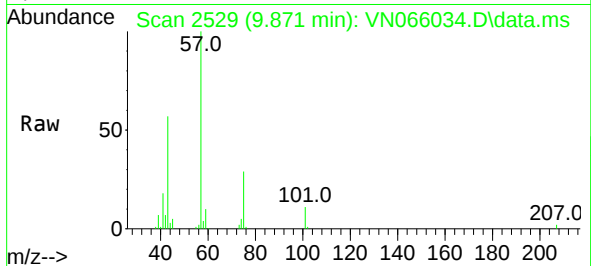




#54
 cis-1,3-Dichloropropene
 Concen: 7.03 ug/l
 RT: 9.871 min Scan# 2529
 Delta R.T. 0.064 min
 Lab File: VN066034.D
 Acq: 25 Feb 2021 17:42

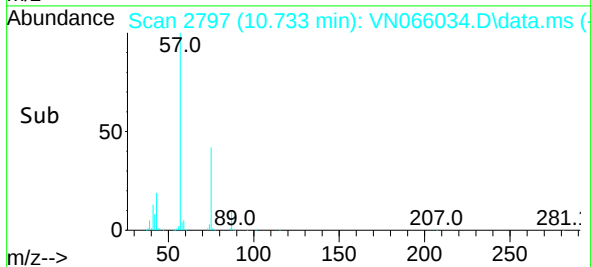
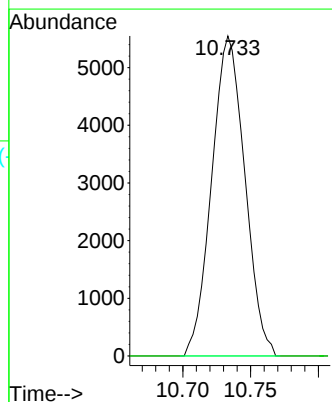
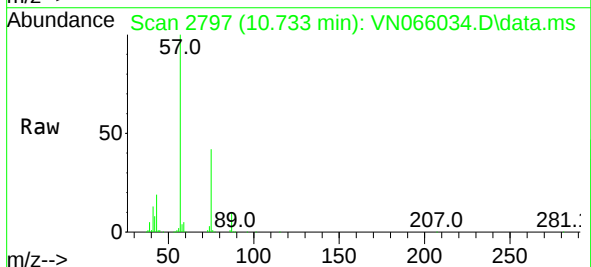
Instrument :
 MSVOA_N
 ClientSampleId :

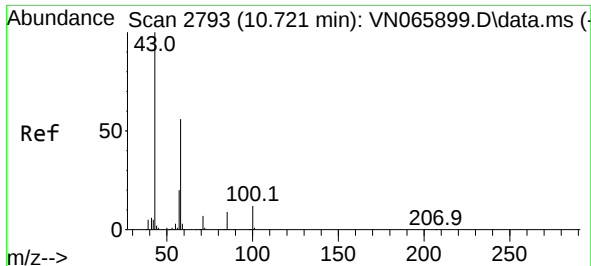
Tgt Ion: 75 Resp: 17790
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 25.0 36.2 54.4#



#57
 1,3-Dichloropropane
 Concen: 3.62 ug/l
 RT: 10.733 min Scan# 2797
 Delta R.T. 0.057 min
 Lab File: VN066034.D
 Acq: 25 Feb 2021 17:42

Tgt Ion: 76 Resp: 9425
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

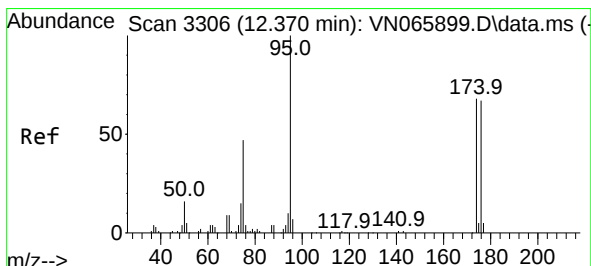
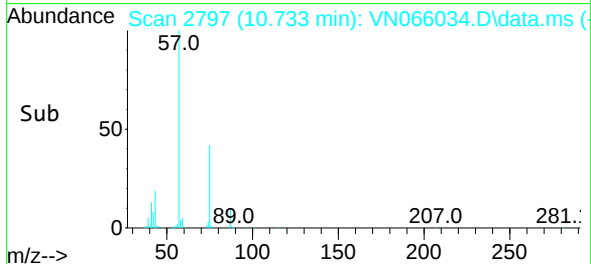
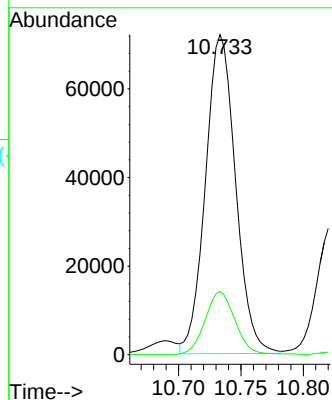
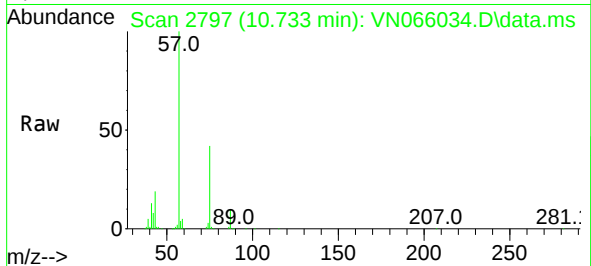




#59
2-Hexanone
Concen: 92.50 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.012 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

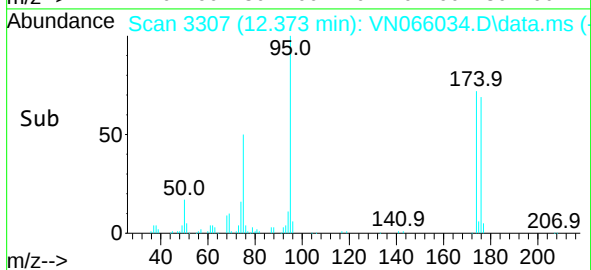
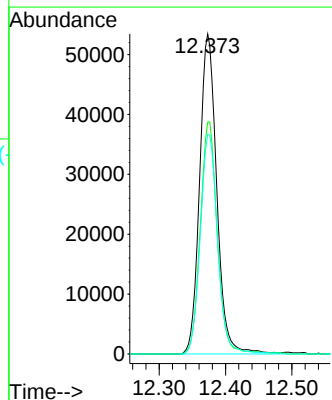
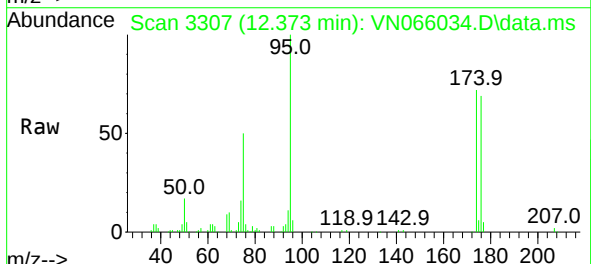
Instrument :
MSVOA_N
ClientSampled :

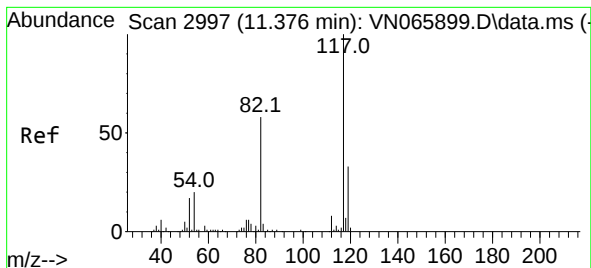
Tgt Ion: 43 Resp: 120841
Ion Ratio Lower Upper
43 100
58 19.8 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 47.35 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

Tgt Ion: 95 Resp: 95909
Ion Ratio Lower Upper
95 100
174 72.1 0.0 169.0
176 69.2 0.0 162.4

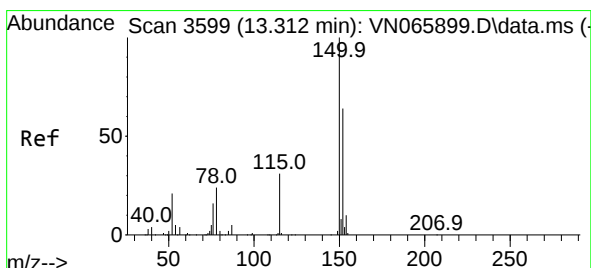
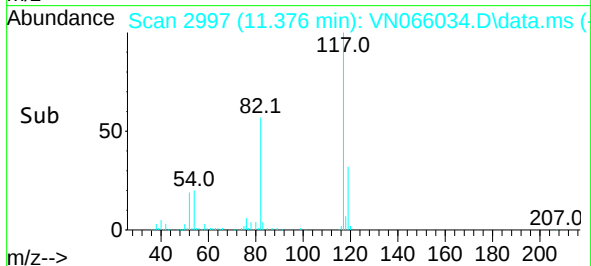
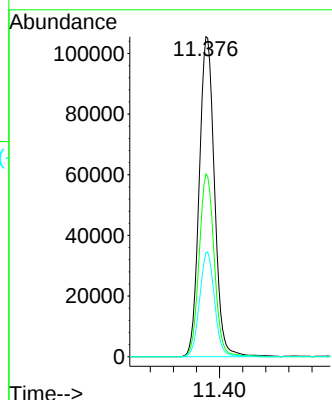
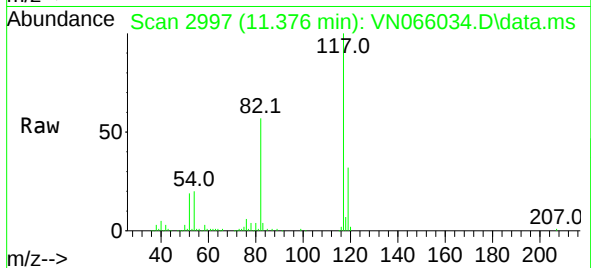




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

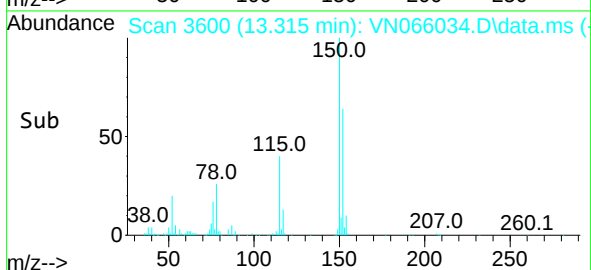
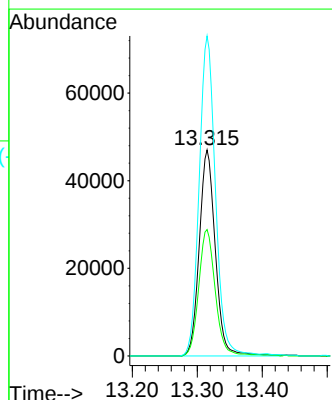
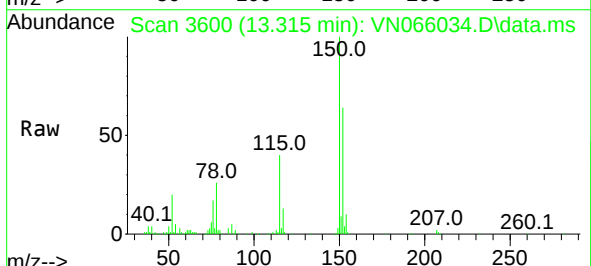
Instrument :
MSVOA_N
ClientSampleId :

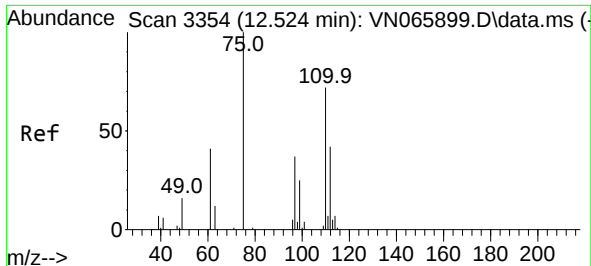
Tgt Ion:117 Resp: 193456
Ion Ratio Lower Upper
117 100
82 57.1 43.7 65.5
119 32.5 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

Tgt Ion:152 Resp: 81074
Ion Ratio Lower Upper
152 100
115 63.1 28.5 85.6
150 157.2 0.0 347.6

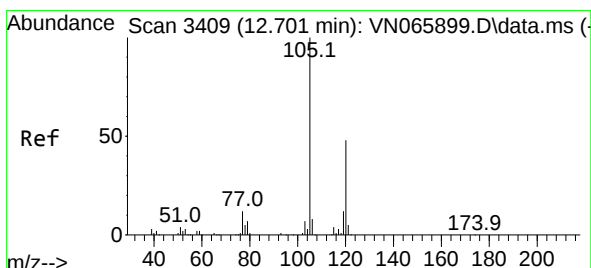
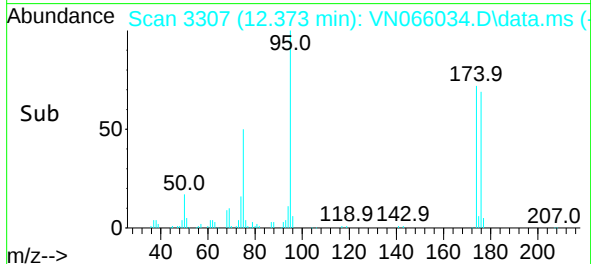
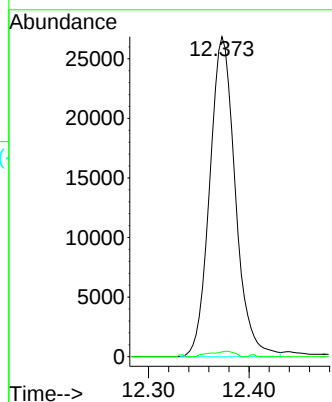
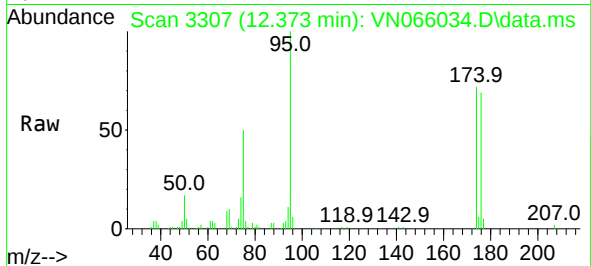




#76
1,2,3-Trichloropropane
Concen: 24.36 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

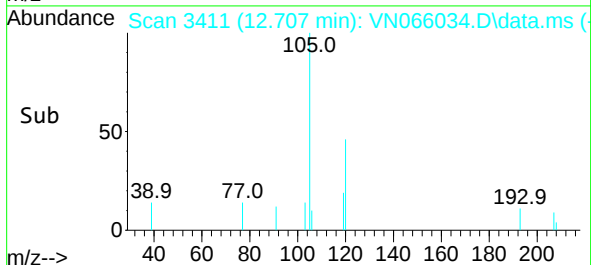
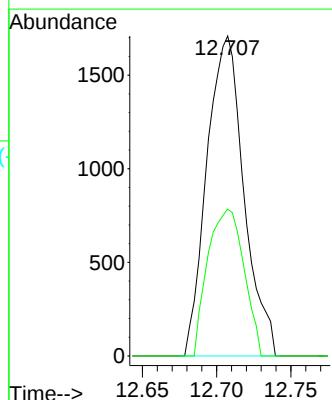
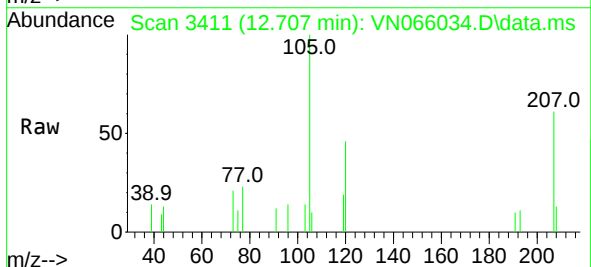
Instrument :
MSVOA_N
ClientSampleId :

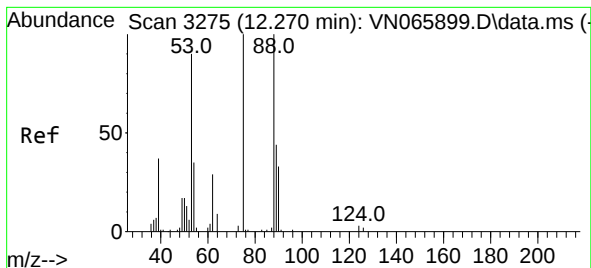
Tgt Ion: 75 Resp: 47448
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.53 ug/l
RT: 12.707 min Scan# 3411
Delta R.T. 0.006 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

Tgt Ion:105 Resp: 2967
Ion Ratio Lower Upper
105 100
120 44.6 24.3 72.8

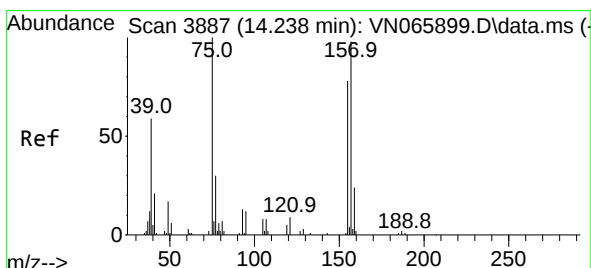
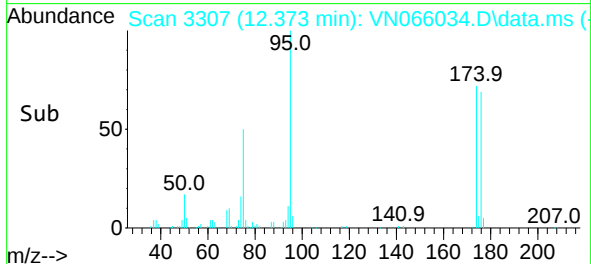
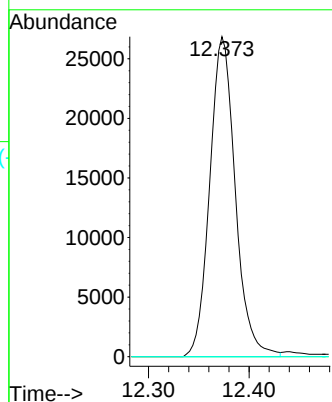
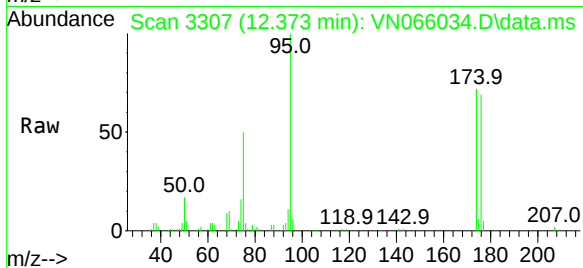




#81
trans-1,4-Dichloro-2-butene
Concen: 77.64 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

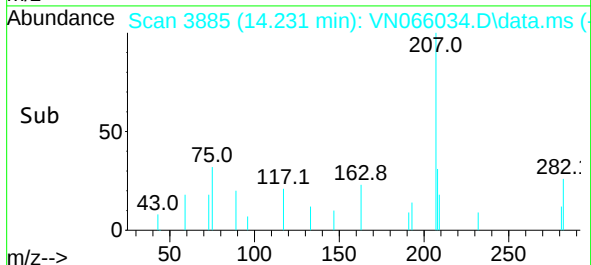
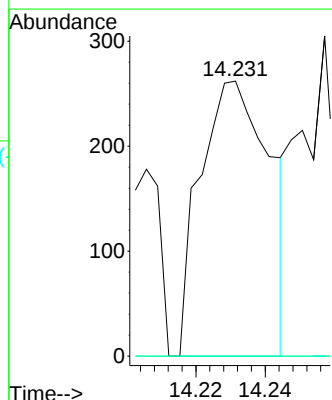
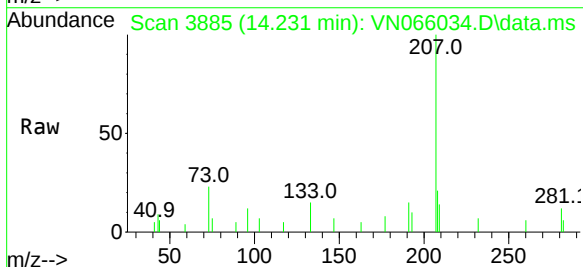
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ClientSampleId :

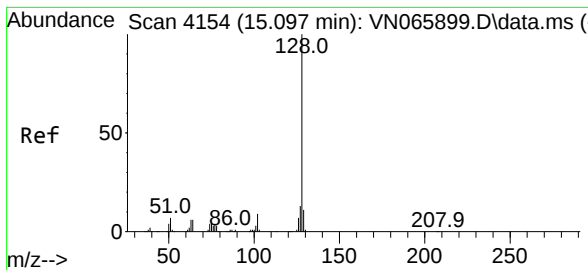
Tgt Ion: 75 Resp: 47448
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.78 ug/l
RT: 14.231 min Scan# 3885
Delta R.T. -0.007 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

Tgt Ion: 75 Resp: 365
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#





#95
Naphthalene
Concen: 3.19 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.006 min
Lab File: VN066034.D
Acq: 25 Feb 2021 17:42

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 672
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

