

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022521\
 Data File : VN066039.D
 Acq On : 25 Feb 2021 20:04
 Operator : JC/MD
 Sample : M1477-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 26 01:25:32 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)

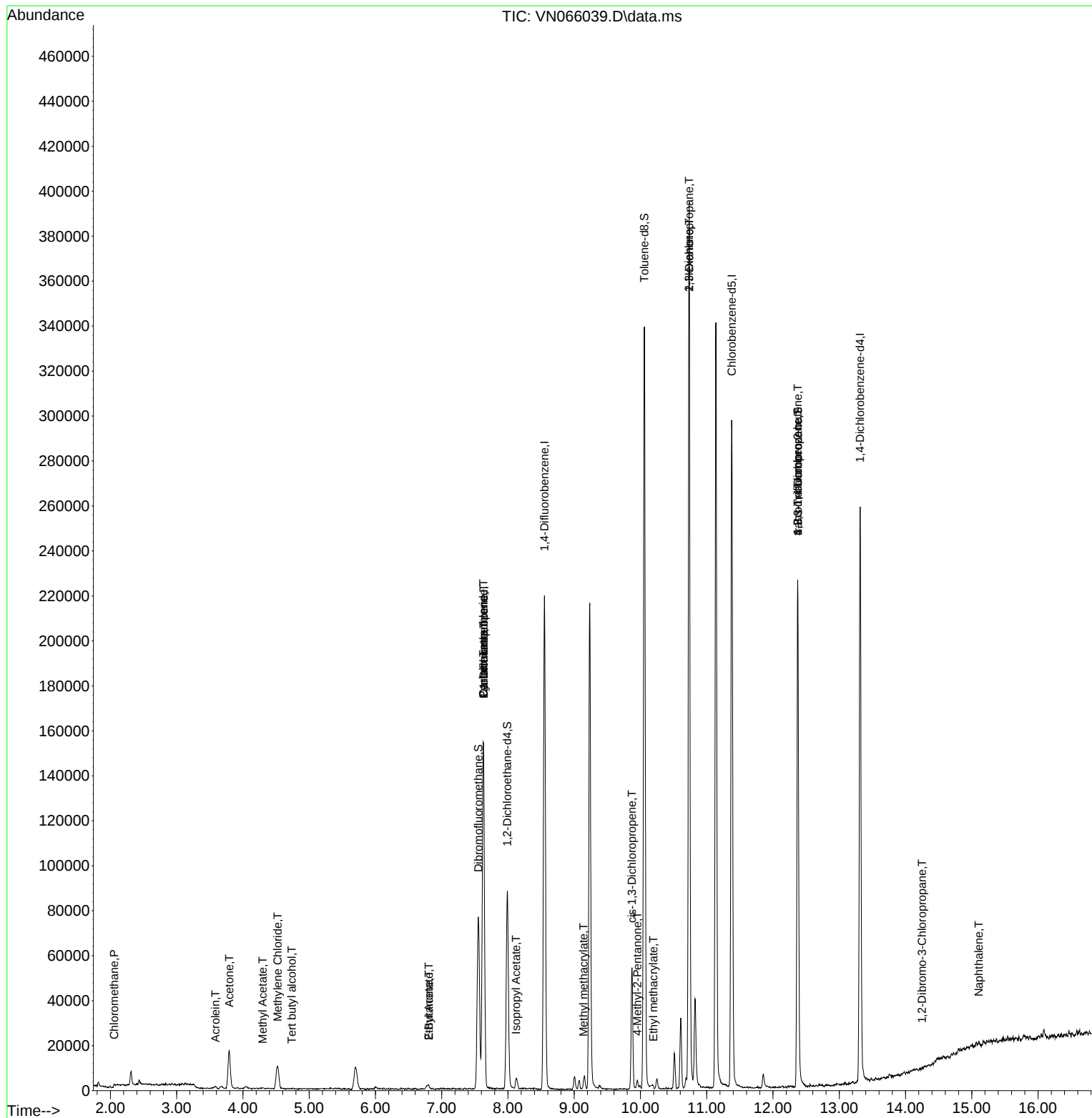
Internal Standards						
1) Pentafluorobenzene	7.630	168	123977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	201360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	183048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	74560	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	80984	46.71	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.42%		
35) Dibromofluoromethane	7.553	113	60845	48.82	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.64%		
50) Toluene-d8	10.058	98	242895	47.48	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.96%		
62) 4-Bromofluorobenzene	12.373	95	88308	45.98	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.96%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.055	50	799	0.39	ug/l	94
11) Tert butyl alcohol	4.737	59	329	1.36	ug/l #	73
13) Acrolein	3.586	56	1113	5.05	ug/l	99
16) Acetone	3.795	43	28756	51.53	ug/l	92
18) Methyl Acetate	4.296	43	404	0.28	ug/l #	51
20) Methylene Chloride	4.524	84	8204	5.10	ug/l	95
25) 2-Butanone	6.804	43	2654	3.09	ug/l	94
31) Cyclohexane	7.630	56	2306	0.89	ug/l #	1
36) 1,1-Dichloropropene	7.630	75	9577	4.82	ug/l #	49
37) Ethyl Acetate	6.804	43	2654	1.48	ug/l #	68
38) Carbon Tetrachloride	7.627	117	12590	6.82	ug/l #	15
43) Isopropyl Acetate	8.122	43	5572	1.95	ug/l #	58
48) Methyl methacrylate	9.138	41	1592	1.10	ug/l #	10
51) 4-Methyl-2-Pentanone	9.952	43	2163	1.24	ug/l	94
54) cis-1,3-Dichloropropene	9.872	75	10477	4.37	ug/l #	59
56) Ethyl methacrylate	10.193	69	431	0.20	ug/l #	90
57) 1,3-Dichloropropane	10.733	76	4061	1.65	ug/l #	43
59) 2-Hexanone	10.733	43	57701	46.59	ug/l #	49
76) 1,2,3-Trichloropropane	12.373	75	45273	25.28	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	45273	80.55	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.251	75	255	1.56	ug/l #	1
95) Naphthalene	15.106	128	425	3.15	ug/l #	69

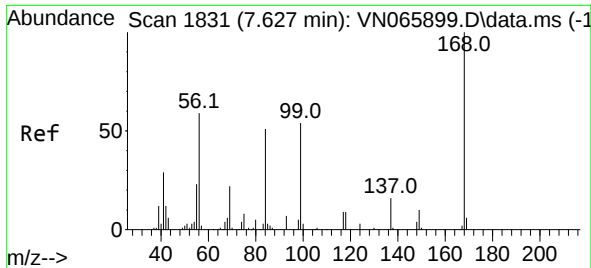
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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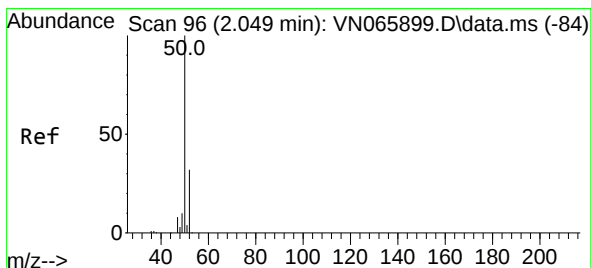
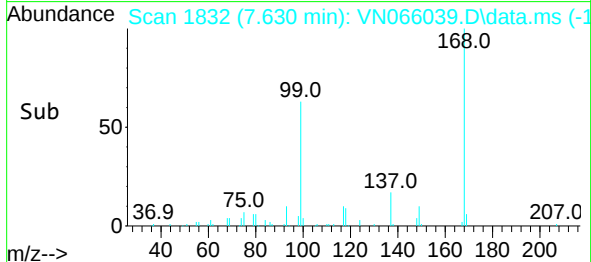
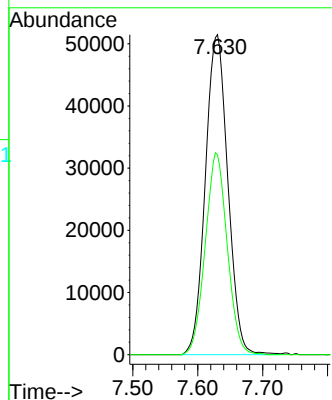
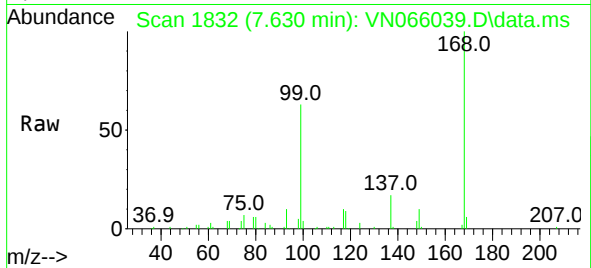




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

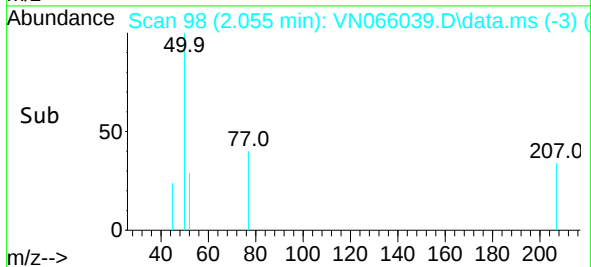
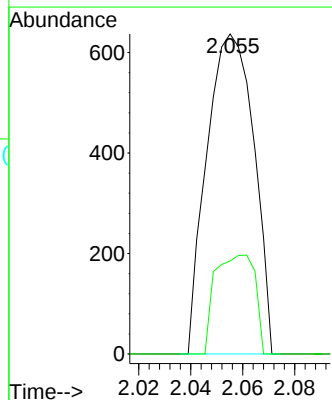
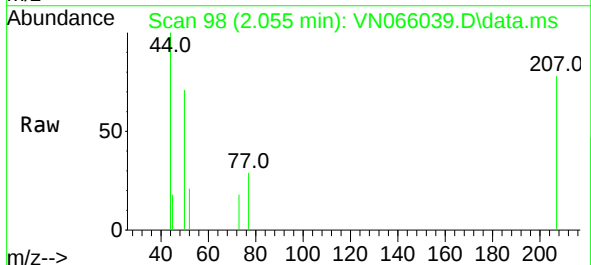
Instrument :
MSVOA_N
ClientSampleId :

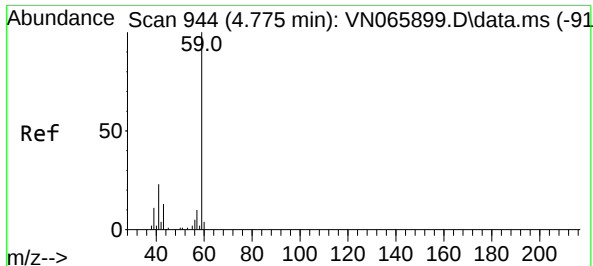
Tgt Ion:168 Resp: 123977
Ion Ratio Lower Upper
168 100
99 62.5 42.6 63.8



#3
Chloromethane
Concen: 0.39 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

Tgt Ion: 50 Resp: 799
Ion Ratio Lower Upper
50 100
52 29.0 25.8 38.8

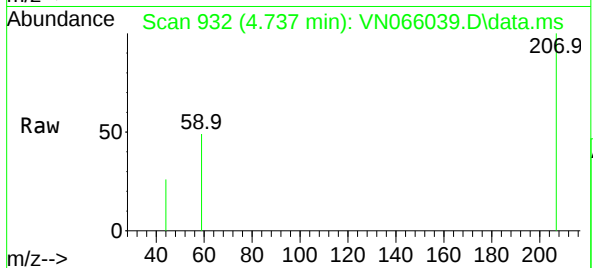




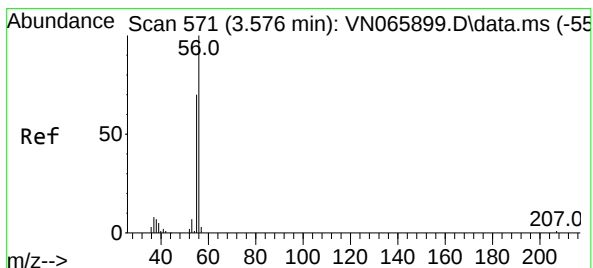
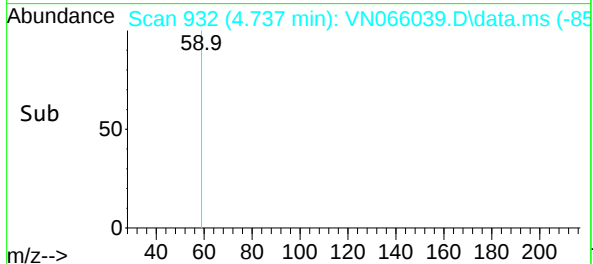
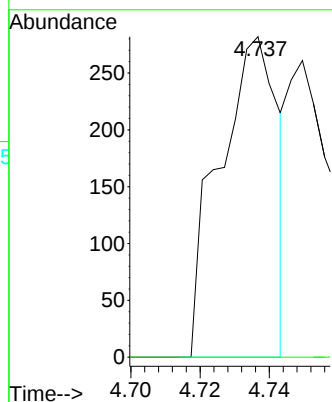
#11

Tert butyl alcohol
Concen: 1.36 ug/l
RT: 4.737 min Scan# 932
Delta R.T. -0.038 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

Instrument :
MSVOA_N
ClientSampled :



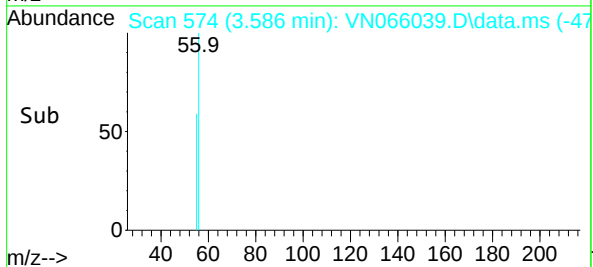
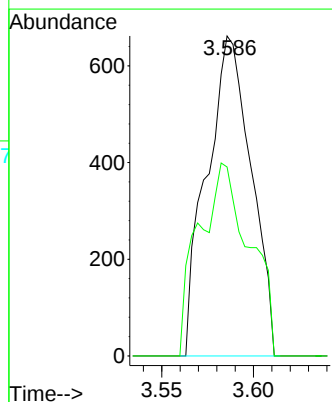
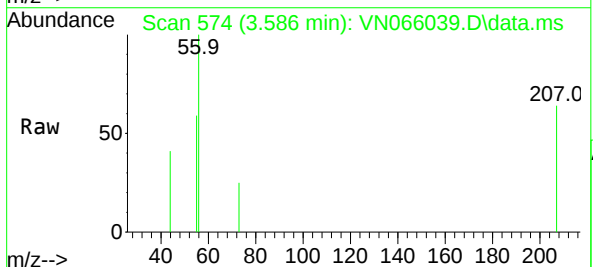
Tgt Ion: 59 Resp: 329
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

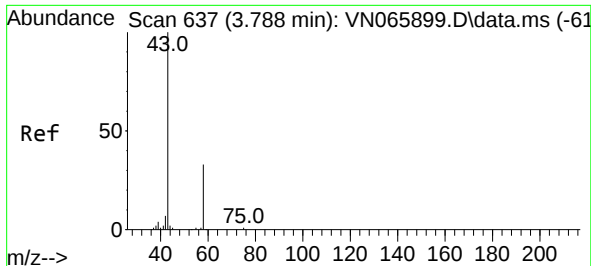


#13

Acrolein
Concen: 5.05 ug/l
RT: 3.586 min Scan# 574
Delta R.T. 0.010 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

Tgt Ion: 56 Resp: 1113
Ion Ratio Lower Upper
56 100
55 69.1 56.0 84.0

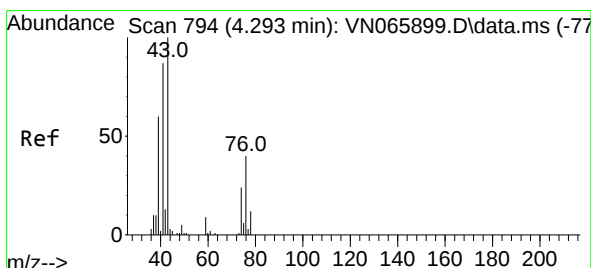
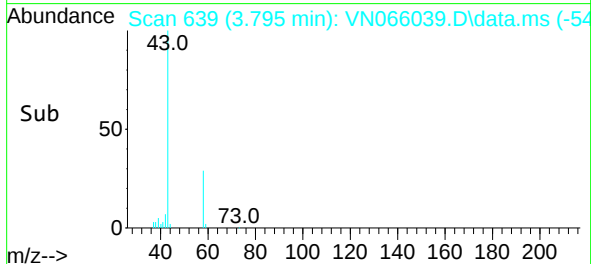
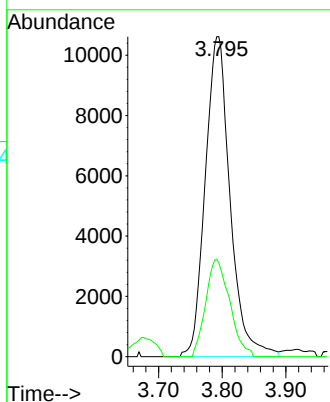
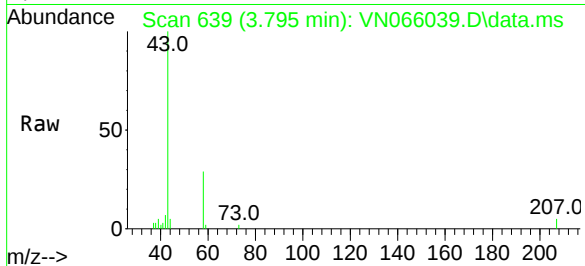




#16
Acetone
Concen: 51.53 ug/l
RT: 3.795 min Scan# 639
Delta R.T. 0.007 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

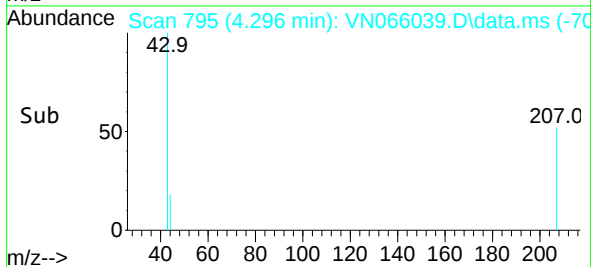
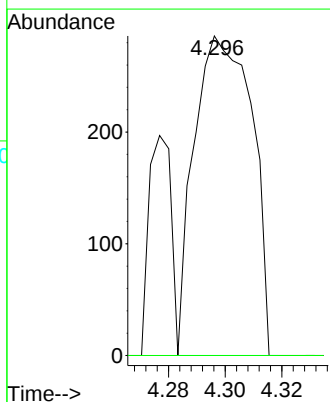
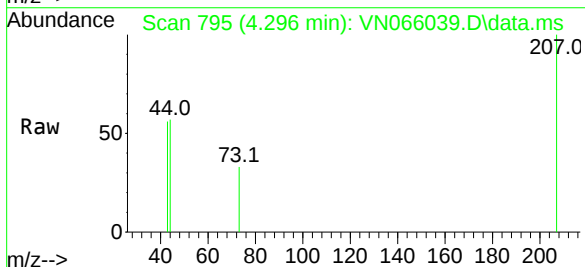
Instrument :
MSVOA_N
ClientSampled :

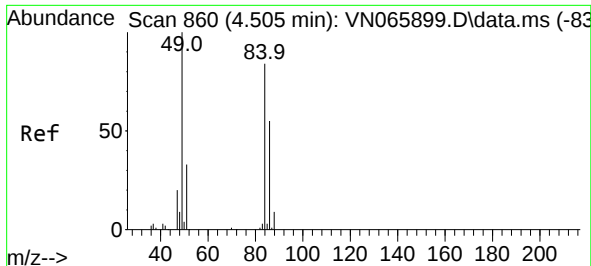
Tgt Ion: 43 Resp: 28756
Ion Ratio Lower Upper
43 100
58 29.3 27.0 40.6



#18
Methyl Acetate
Concen: 0.28 ug/l
RT: 4.296 min Scan# 795
Delta R.T. 0.003 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

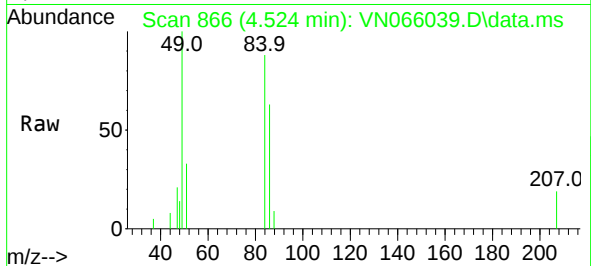
Tgt Ion: 43 Resp: 404
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



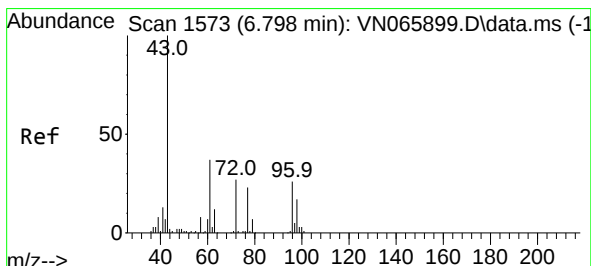
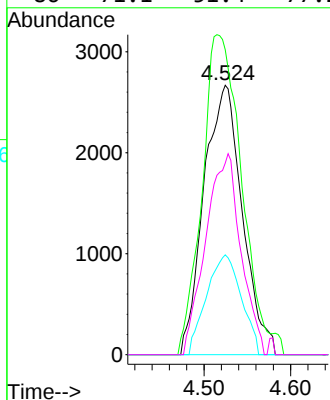
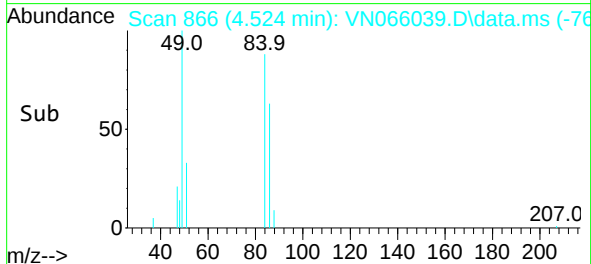


#20
Methylene Chloride
Concen: 5.10 ug/l
RT: 4.524 min Scan# 866
Delta R.T. 0.019 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

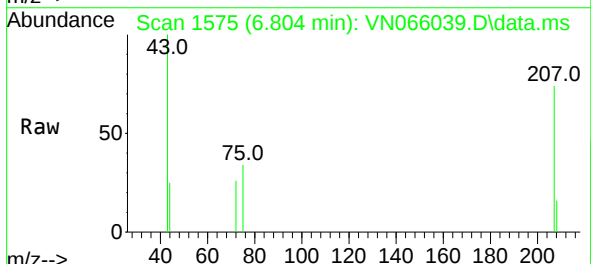
Instrument :
MSVOA_N
ClientSampleId :



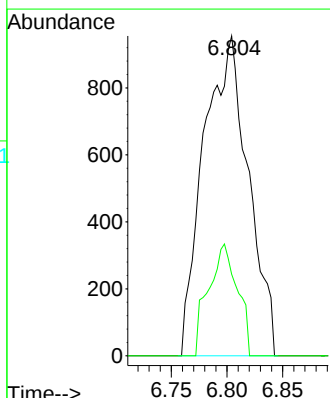
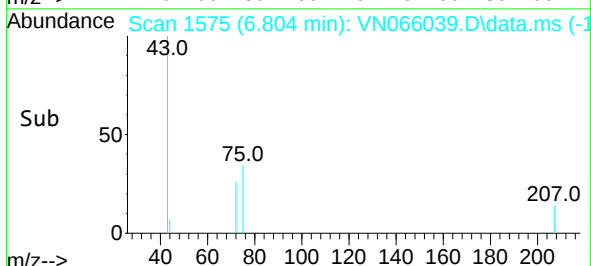
Tgt Ion:	84	Resp:	8204
Ion	Ratio	Lower	Upper
84	100		
49	113.2	94.6	141.8
51	37.1	29.9	44.9
86	71.1	51.4	77.2

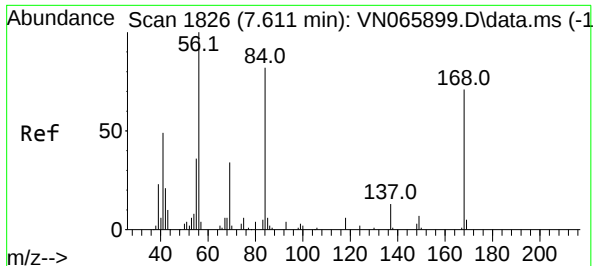


#25
2-Butanone
Concen: 3.09 ug/l
RT: 6.804 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04



Tgt Ion:	43	Resp:	2654
Ion	Ratio	Lower	Upper
43	100		
72	25.5	23.1	34.7





#31

Cyclohexane

Concen: 0.89 ug/l

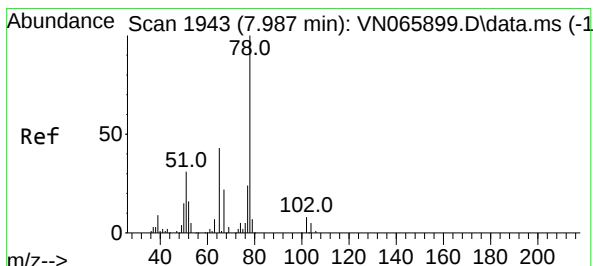
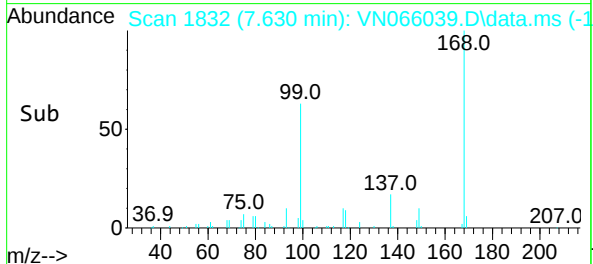
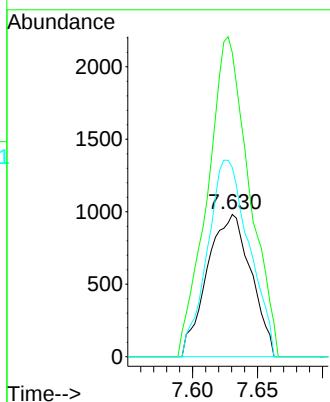
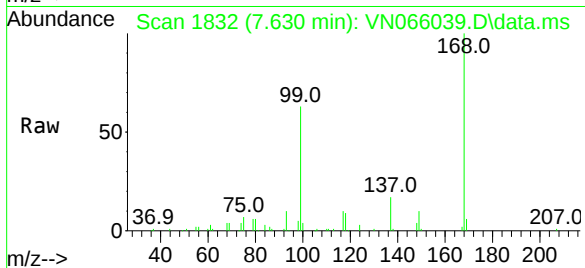
RT: 7.630 min Scan# 1832

Delta R.T. 0.019 min

Lab File: VN066039.D

Acq: 25 Feb 2021 20:04

Tgt Ion:	56	Resp:	2306
Ion Ratio	Lower	Upper	
56	100		
69	213.6	26.6	39.8#
84	133.0	70.4	105.6#



#33

1,2-Dichloroethane-d4

Concen: 46.71 ug/l

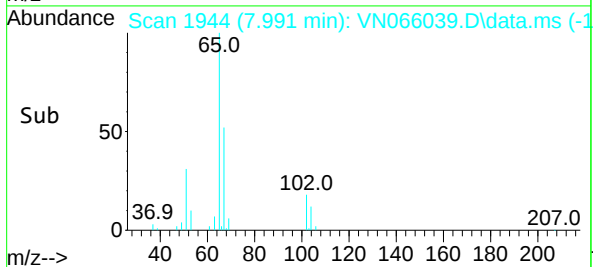
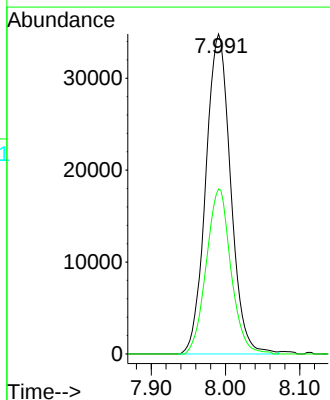
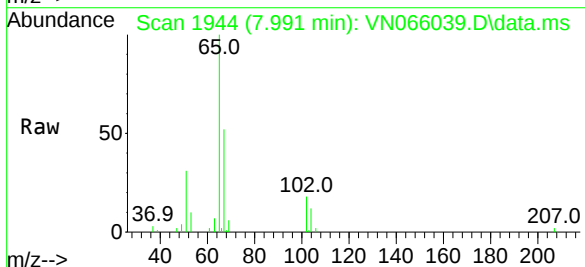
RT: 7.991 min Scan# 1944

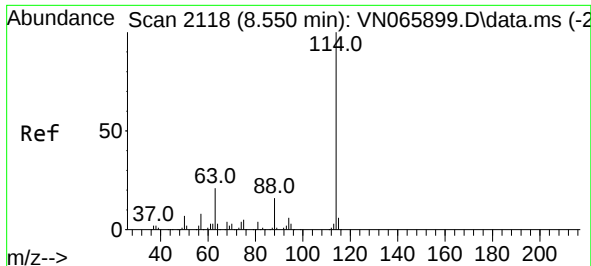
Delta R.T. 0.004 min

Lab File: VN066039.D

Acq: 25 Feb 2021 20:04

Tgt Ion:	65	Resp:	80984
Ion Ratio	Lower	Upper	
65	100		
67	51.0	0.0	107.2

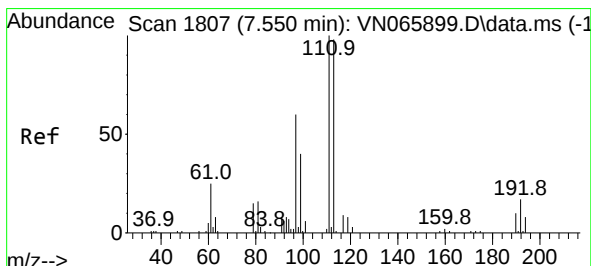
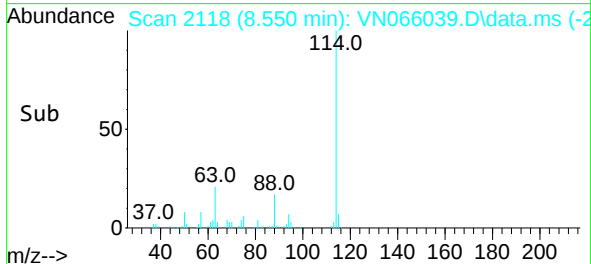
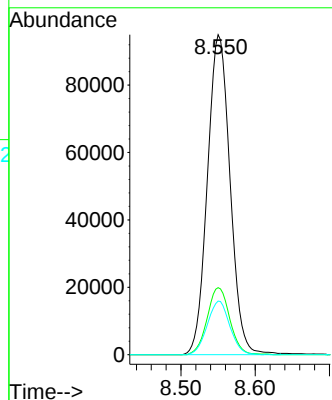
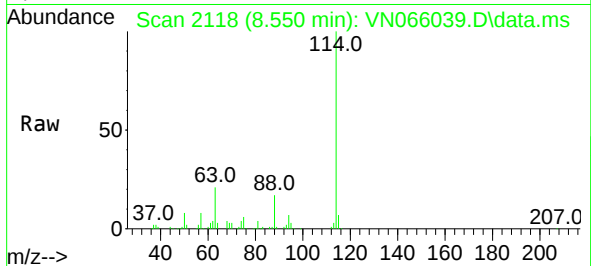




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

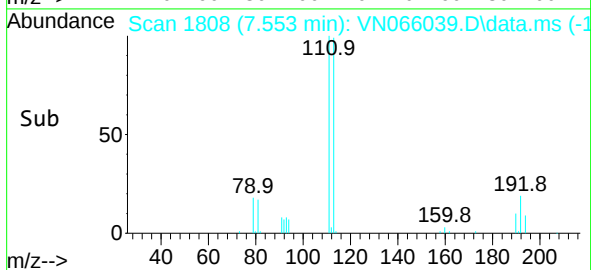
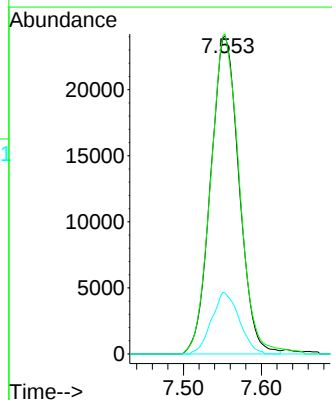
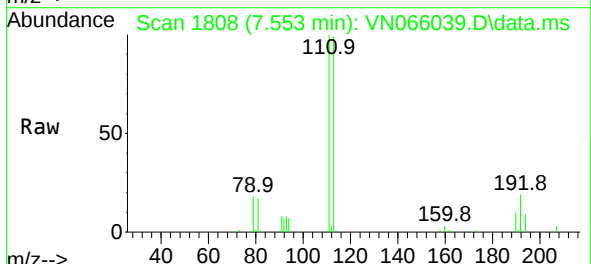
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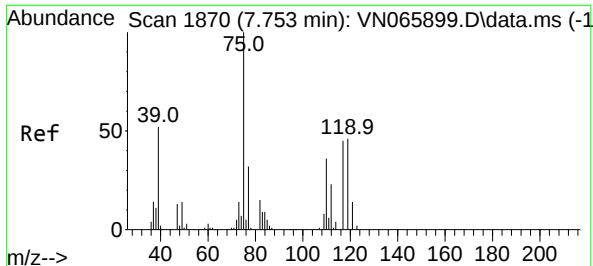
Tgt Ion:114 Resp: 201360
Ion Ratio Lower Upper
114 100
63 21.0 0.0 38.6
88 16.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.82 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

Tgt Ion:113 Resp: 60845
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 18.8 15.4 23.0

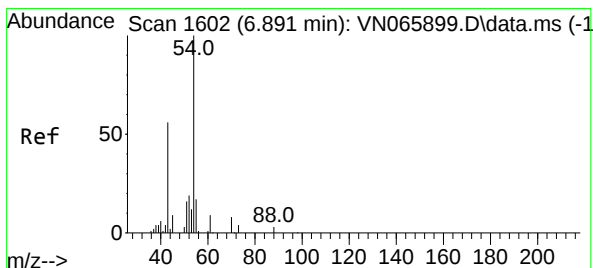
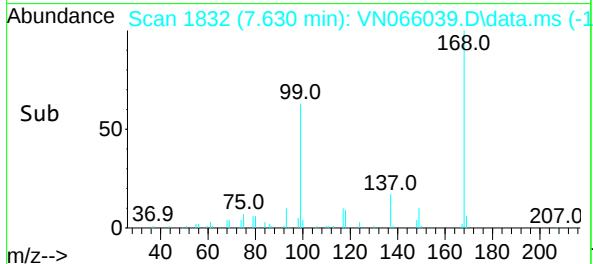
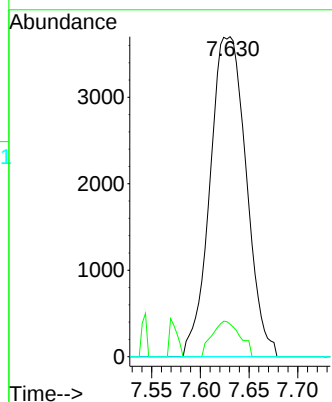
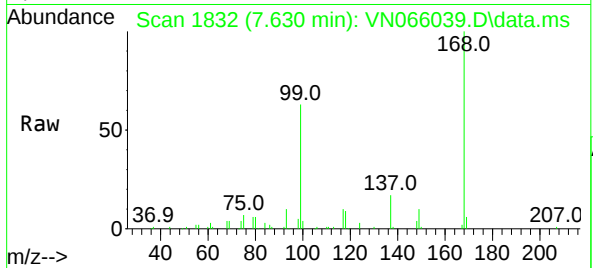




#36
1,1-Dichloropropene
Concen: 4.82 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.123 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

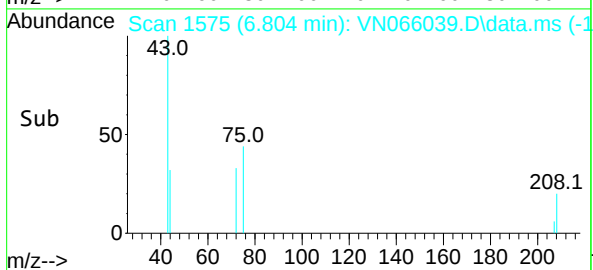
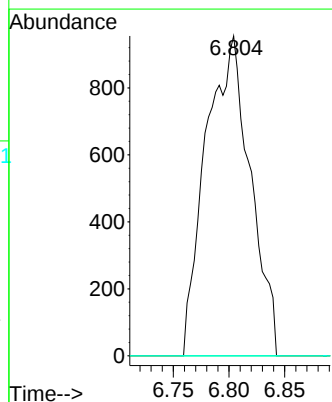
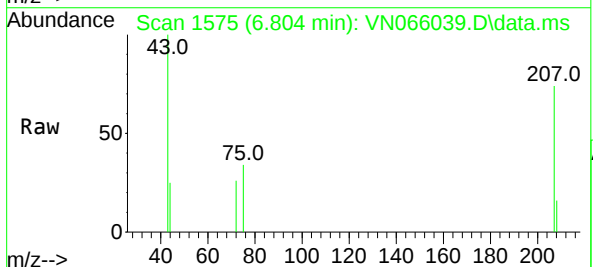
Instrument :
MSVOA_N
ClientSampleId :

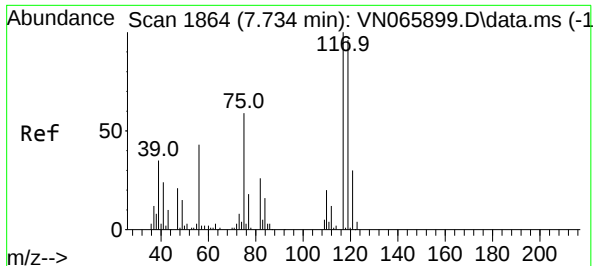
Tgt Ion: 75 Resp: 9577
Ion Ratio Lower Upper
75 100
110 8.5 18.2 54.6#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 1.48 ug/l
RT: 6.804 min Scan# 1575
Delta R.T. -0.087 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

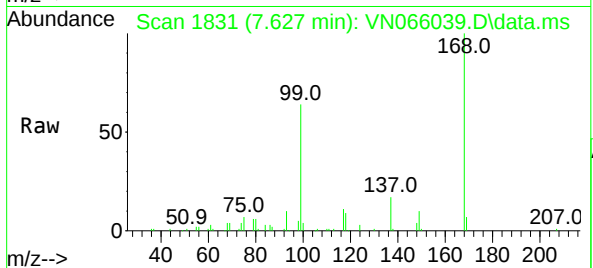
Tgt Ion: 43 Resp: 2654
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



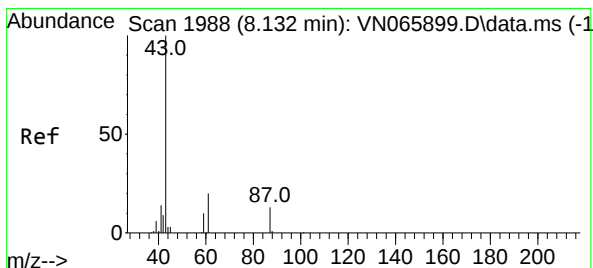
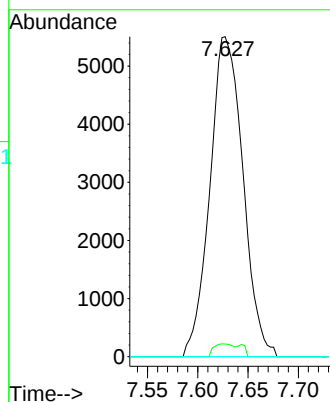
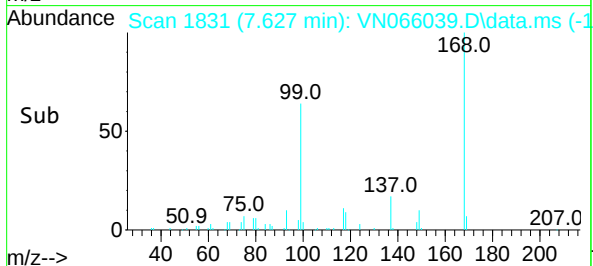


#38
Carbon Tetrachloride
Concen: 6.82 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.107 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

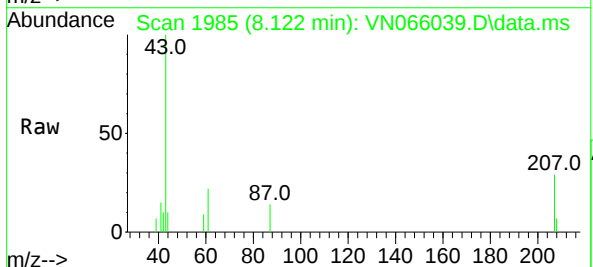
Instrument :
MSVOA_N
ClientSampleId :



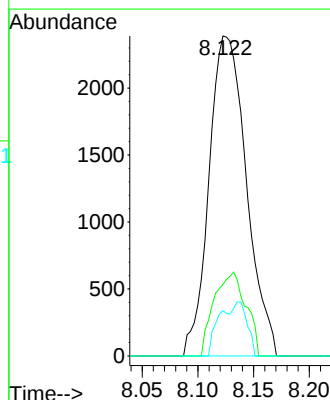
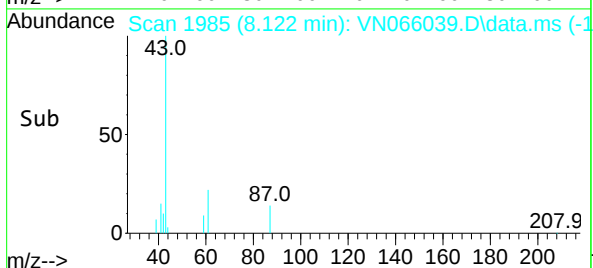
Tgt Ion:117 Resp: 12590
Ion Ratio Lower Upper
117 100
119 3.9 76.0 114.0#
121 0.0 24.5 36.7#

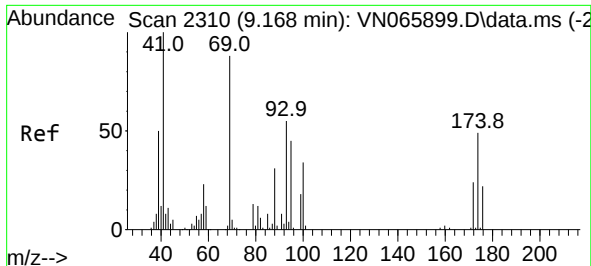


#43
Isopropyl Acetate
Concen: 1.95 ug/l
RT: 8.122 min Scan# 1985
Delta R.T. -0.010 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04



Tgt Ion: 43 Resp: 5572
Ion Ratio Lower Upper
43 100
61 0.0 22.5 33.7#
87 5.9 11.1 16.7#

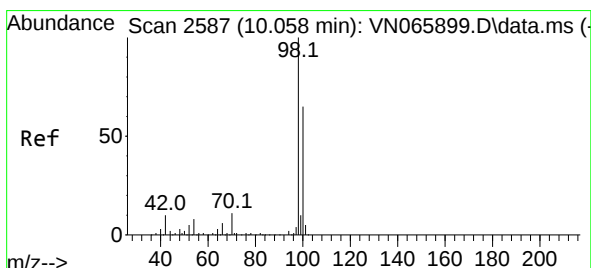
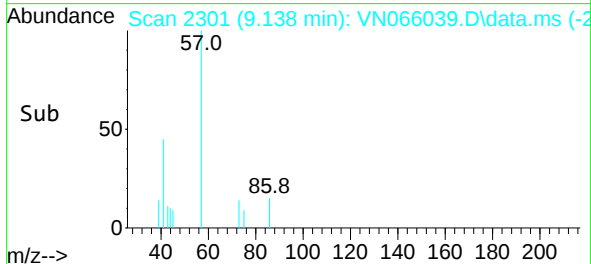
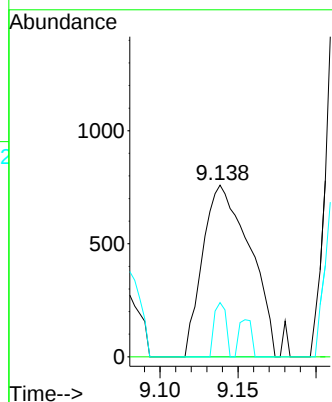
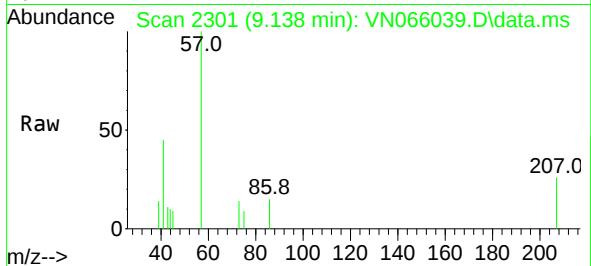




#48
Methyl methacrylate
Concen: 1.10 ug/l
RT: 9.138 min Scan# 2301
Delta R.T. -0.030 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

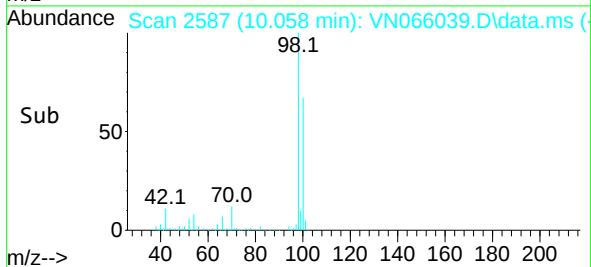
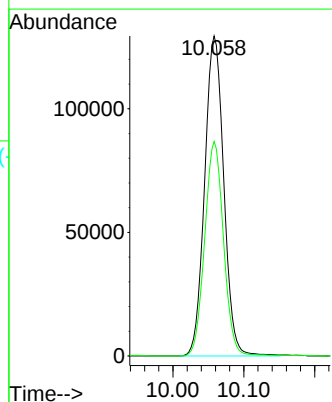
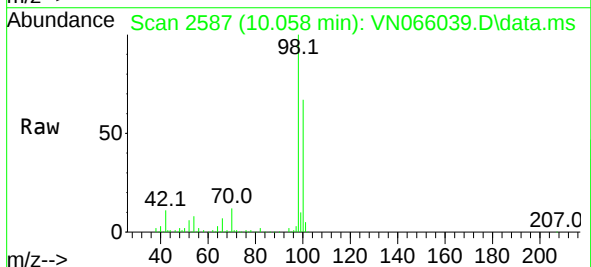
Instrument :
MSVOA_N
ClientSampled :

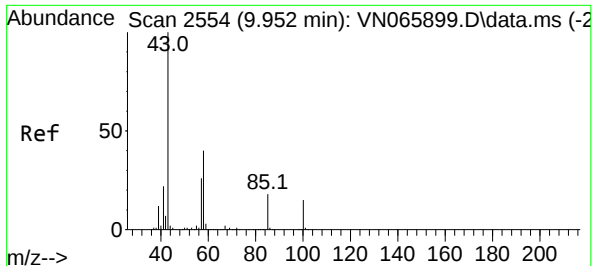
Tgt Ion: 41 Resp: 1592
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 47.48 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

Tgt Ion: 98 Resp: 242895
Ion Ratio Lower Upper
98 100
100 65.9 50.5 75.7

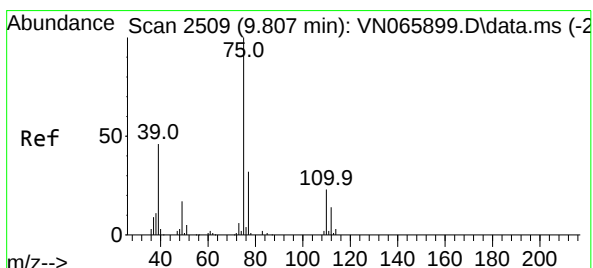
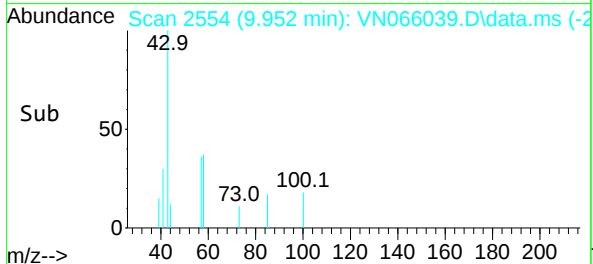
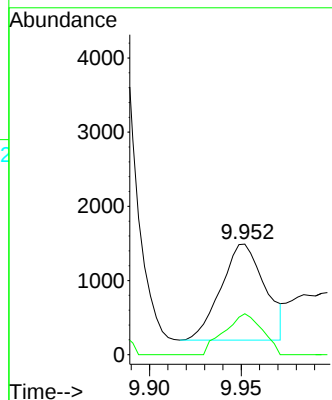
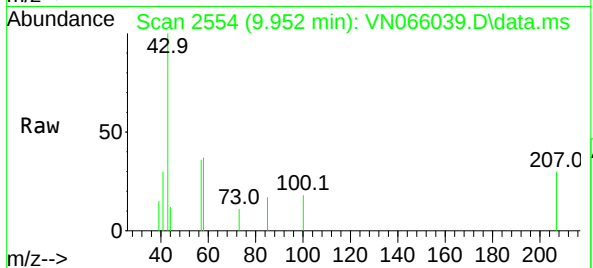




#51
4-Methyl-2-Pentanone
Concen: 1.24 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. -0.000 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

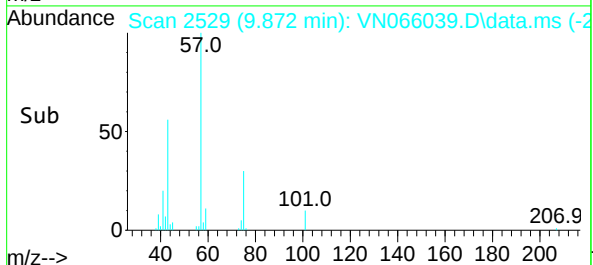
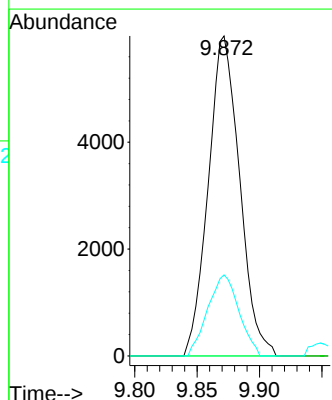
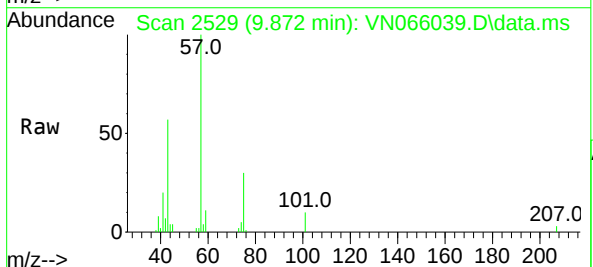
Instrument :
MSVOA_N
ClientSampled :

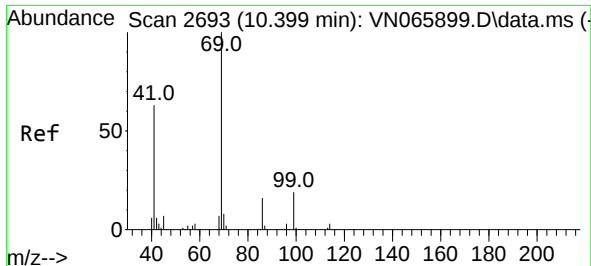
Tgt Ion: 43 Resp: 2163
Ion Ratio Lower Upper
43 100
58 36.9 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 4.37 ug/l
RT: 9.872 min Scan# 2529
Delta R.T. 0.065 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

Tgt Ion: 75 Resp: 10477
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 25.4 36.2 54.4#

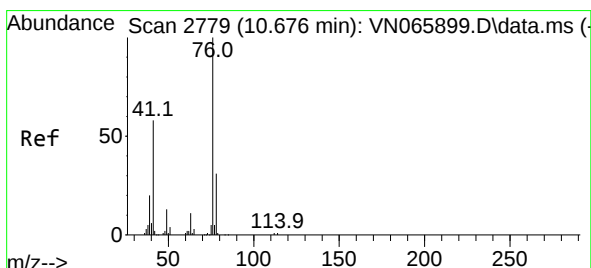
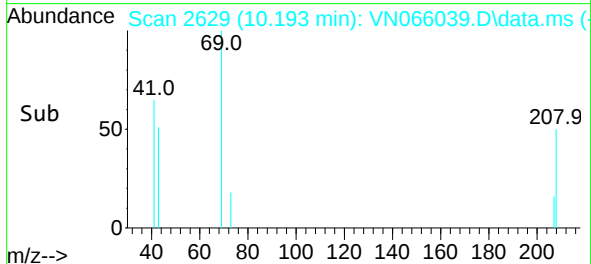
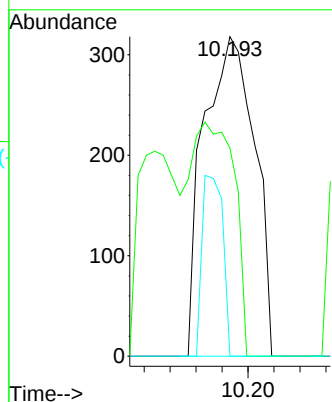
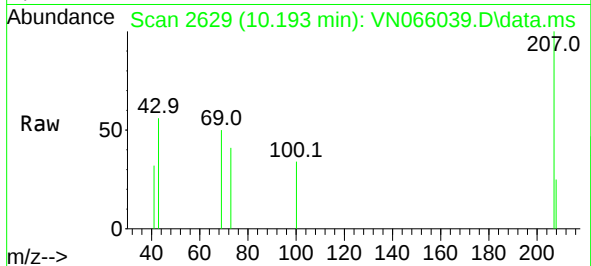




#56
Ethyl methacrylate
Concen: 0.20 ug/l
RT: 10.193 min Scan# 2629
Delta R.T. -0.206 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

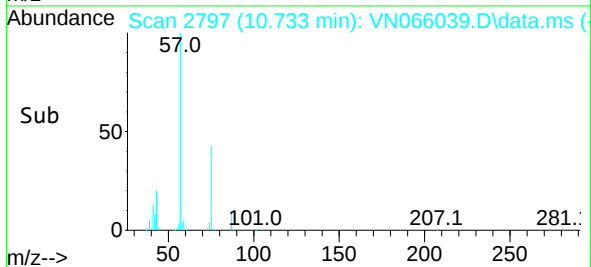
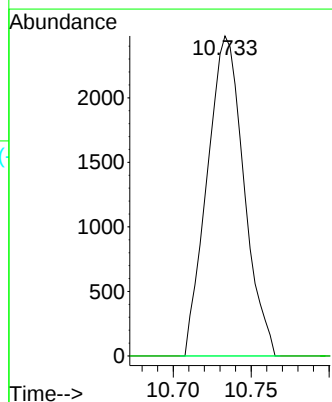
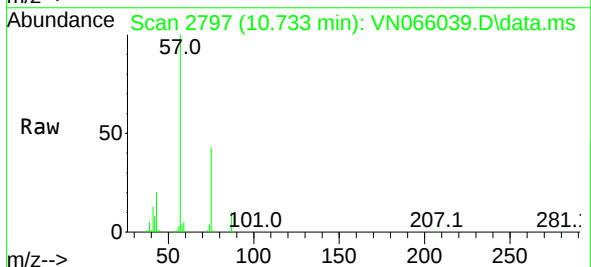
Instrument :
MSVOA_N
ClientSampleId :

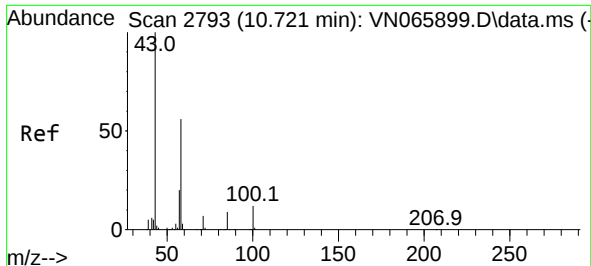
Tgt Ion: 69 Resp: 431
Ion Ratio Lower Upper
69 100
41 64.5 49.6 74.4
39 23.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 1.65 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.057 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

Tgt Ion: 76 Resp: 4061
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

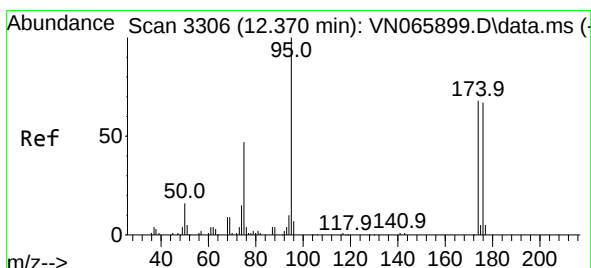
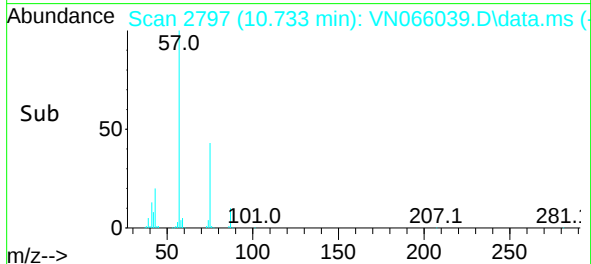
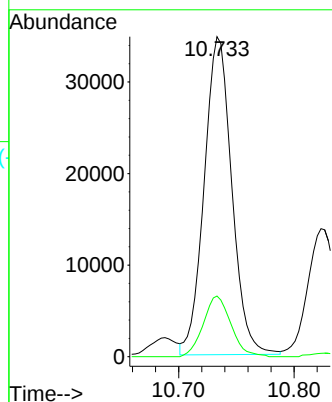
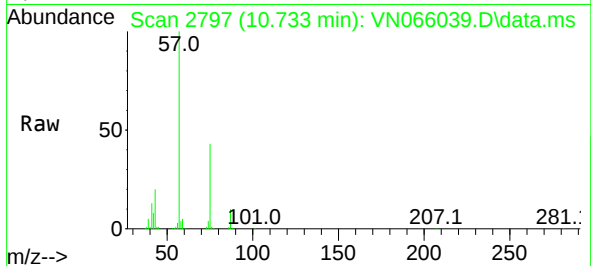




#59
2-Hexanone
Concen: 46.59 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.012 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

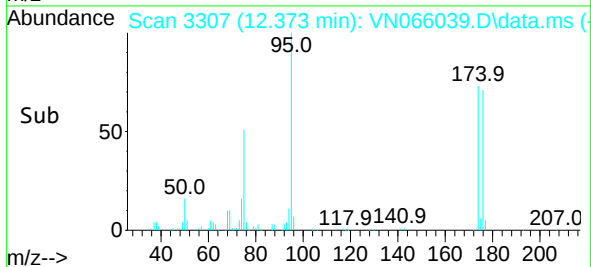
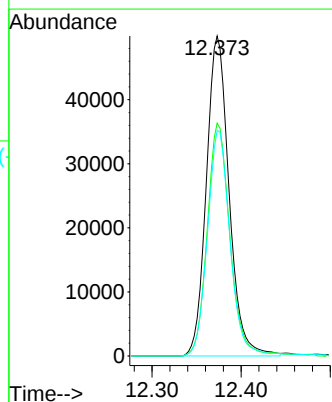
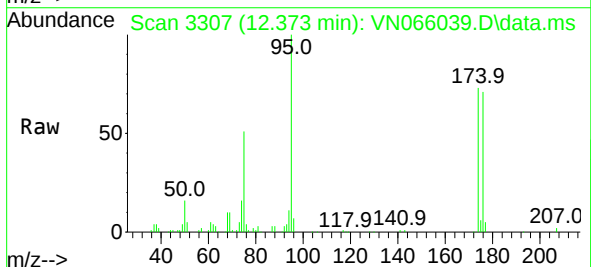
Instrument :
MSVOA_N
ClientSampled :

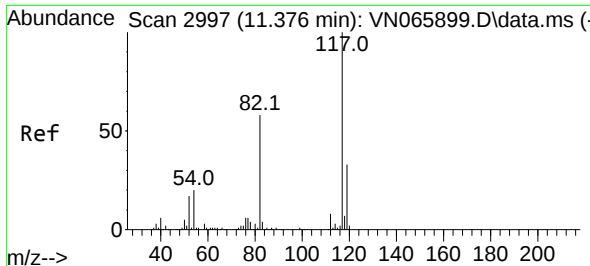
Tgt Ion: 43 Resp: 57701
Ion Ratio Lower Upper
43 100
58 19.1 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 45.98 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

Tgt Ion: 95 Resp: 88308
Ion Ratio Lower Upper
95 100
174 73.1 0.0 169.0
176 70.5 0.0 162.4

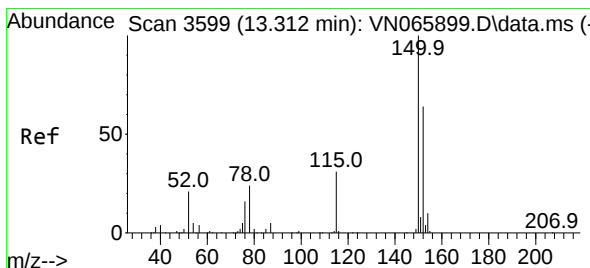
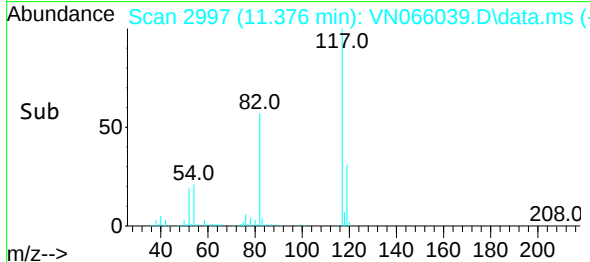
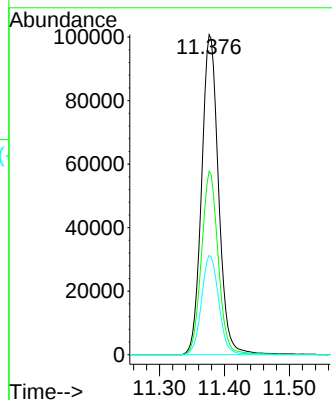
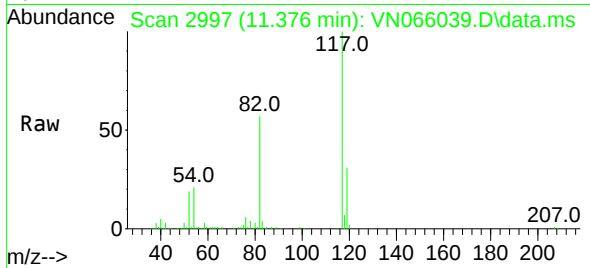




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

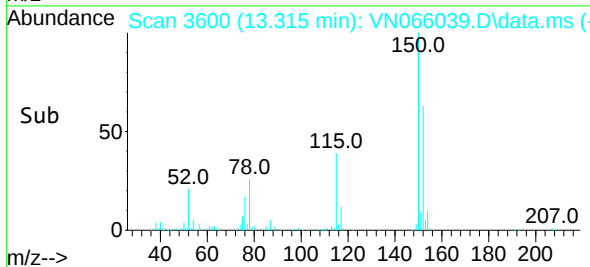
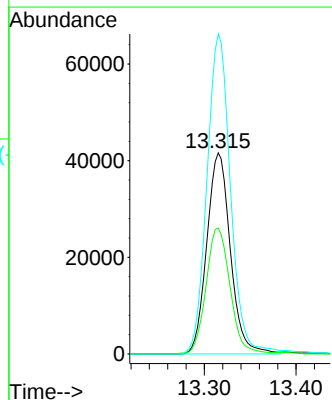
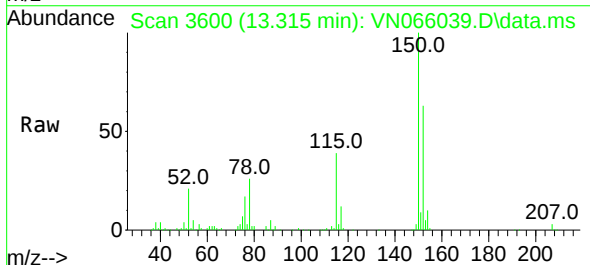
Instrument :
MSVOA_N
ClientSampleId :

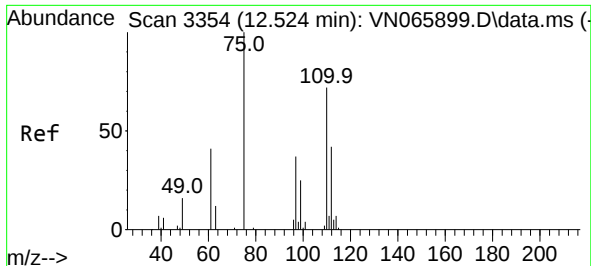
Tgt Ion:117 Resp: 183048
Ion Ratio Lower Upper
117 100
82 57.3 43.7 65.5
119 31.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

Tgt Ion:152 Resp: 74560
Ion Ratio Lower Upper
152 100
115 63.5 28.5 85.6
150 160.1 0.0 347.6

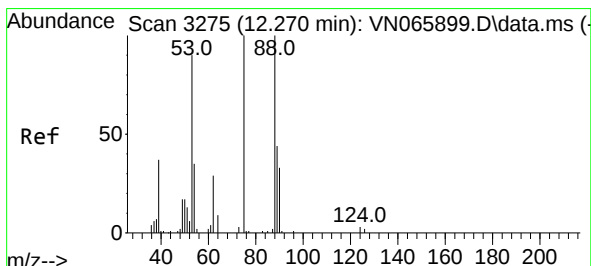
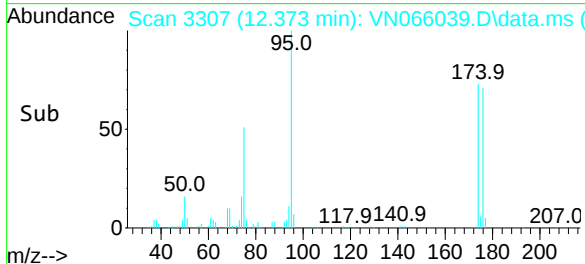
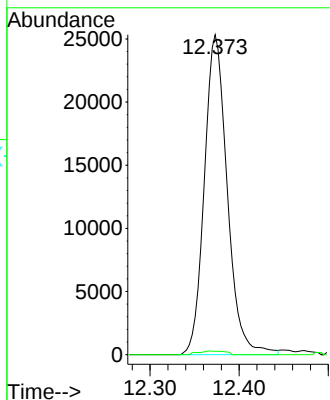
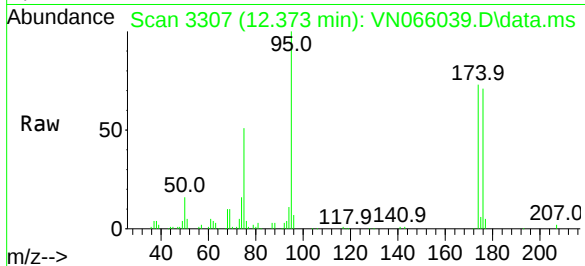




#76
1,2,3-Trichloropropane
Concen: 25.28 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

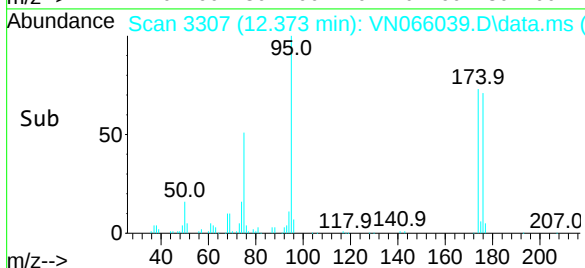
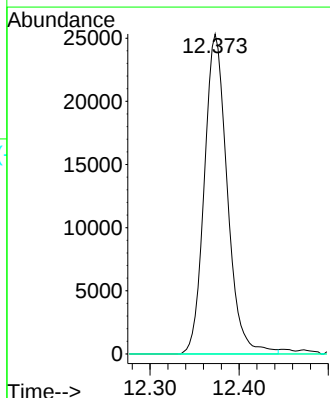
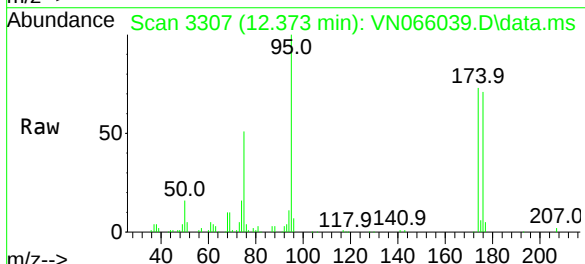
Instrument :
MSVOA_N
ClientSampleId :

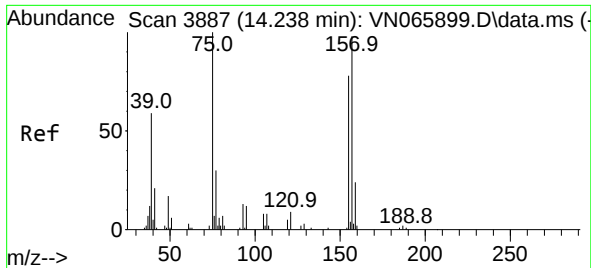
Tgt Ion: 75 Resp: 45273
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.55 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

Tgt Ion: 75 Resp: 45273
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

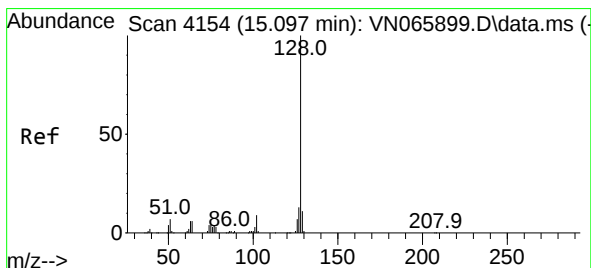
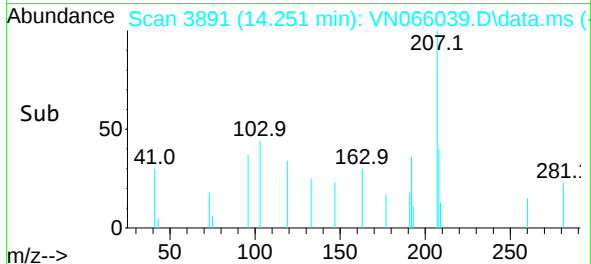
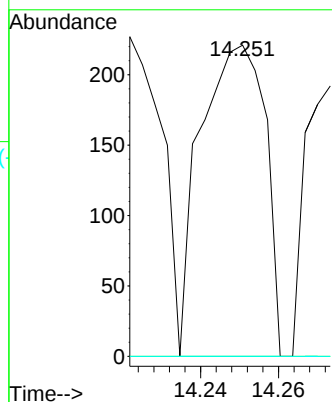
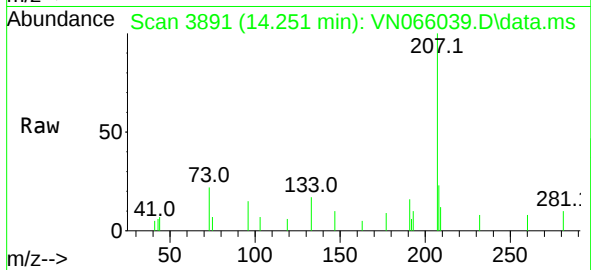




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.56 ug/l
RT: 14.251 min Scan# 3891
Delta R.T. 0.013 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 255
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#



#95
Naphthalene
Concen: 3.15 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.009 min
Lab File: VN066039.D
Acq: 25 Feb 2021 20:04

Tgt Ion: 128 Resp: 425
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

