

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022621\
 Data File : VN066058.D
 Acq On : 26 Feb 2021 17:53
 Operator : JC/MD
 Sample : M1488-07 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30779

Quant Time: Feb 26 23:36:10 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)

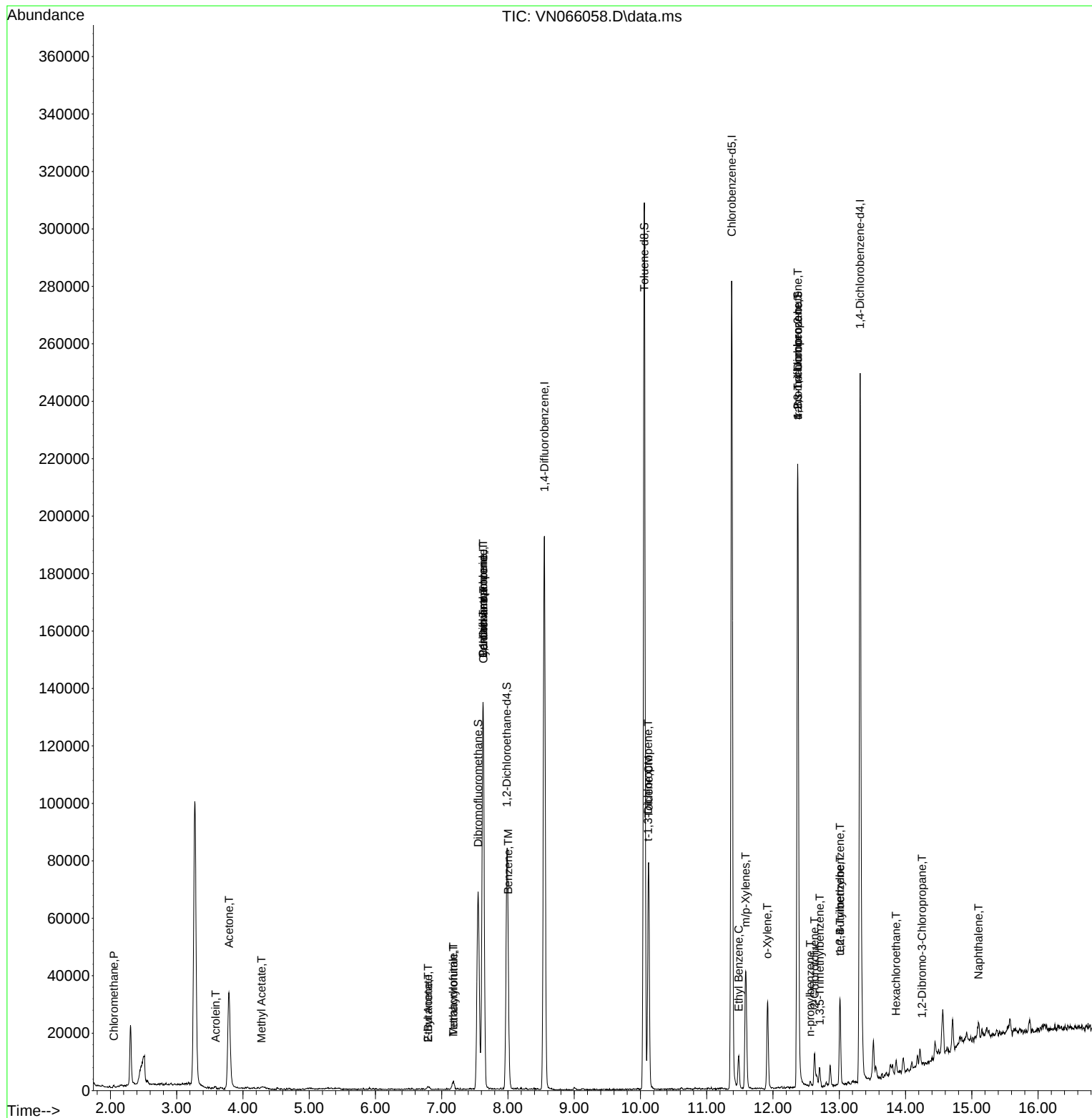
Internal Standards						
1) Pentafluorobenzene	7.624	168	106940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	176204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	168540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	71392	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.984	65	74798	50.02	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.04%			
35) Dibromofluoromethane	7.550	113	53498	49.06	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.12%			
50) Toluene-d8	10.058	98	216858	48.44	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.88%			
62) 4-Bromofluorobenzene	12.373	95	86036	51.20	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.40%			
Target Compounds					Qvalue	
3) Chloromethane	2.052	50	604	0.34	ug/l	92
13) Acrolein	3.589	56	665	3.49	ug/l #	79
16) Acetone	3.788	43	58135	122.94	ug/l	93
18) Methyl Acetate	4.280	43	476	0.39	ug/l #	51
25) 2-Butanone	6.794	43	2214	2.99	ug/l #	86
29) Tetrahydrofuran	7.177	42	2031	3.99	ug/l #	77
31) Cyclohexane	7.627	56	2298	1.03	ug/l #	10
36) 1,1-Dichloropropene	7.624	75	8354	4.81	ug/l #	44
37) Ethyl Acetate	6.794	43	2214	1.41	ug/l #	68
38) Carbon Tetrachloride	7.624	117	11083	6.86	ug/l #	15
40) Benzene	8.003	78	8660	1.62	ug/l #	88
41) Methacrylonitrile	7.177	41	1142	1.50	ug/l #	100
52) Toluene	10.122	92	34530	10.55	ug/l	96
53) t-1,3-Dichloropropene	10.116	75	392	2.16	ug/l #	12
67) Ethyl Benzene	11.482	91	8914	1.40	ug/l	93
68) m/p-Xylenes	11.588	106	13584	5.71	ug/l	87
69) o-Xylene	11.916	106	8787	3.83	ug/l	94
76) 1,2,3-Trichloropropane	12.373	75	44147	25.74	ug/l #	100
78) n-propylbenzene	12.563	91	2004	0.30	ug/l	84
79) 2-Chlorotoluene	12.627	91	1225	0.29	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.704	105	4178	0.84	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.373	75	44147	82.04	ug/l #	12
83) tert-Butylbenzene	13.013	119	2211	0.54	ug/l #	58
84) 1,2,4-Trimethylbenzene	13.010	105	18226	3.67	ug/l	97
90) Hexachloroethane	13.858	117	519	0.64	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.251	75	59	1.02	ug/l #	1
95) Naphthalene	15.103	128	5337	4.27	ug/l #	93

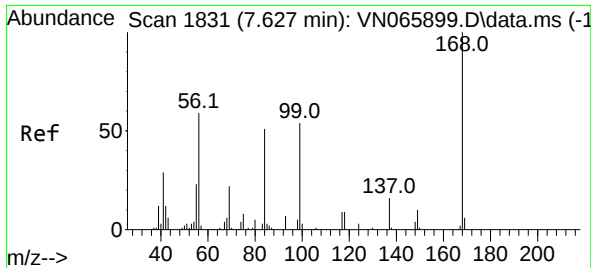
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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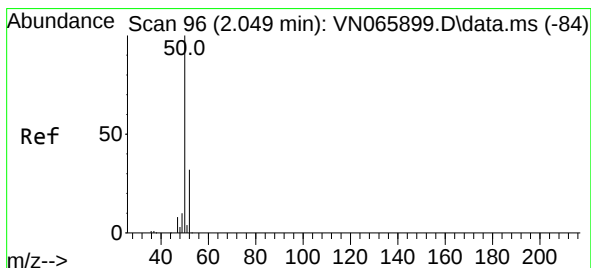
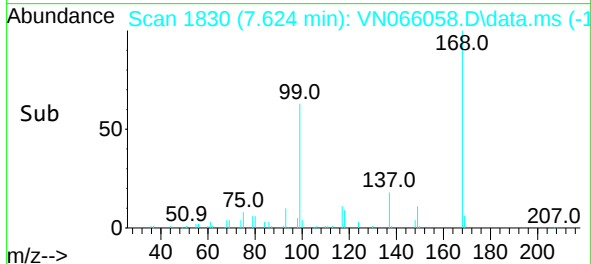
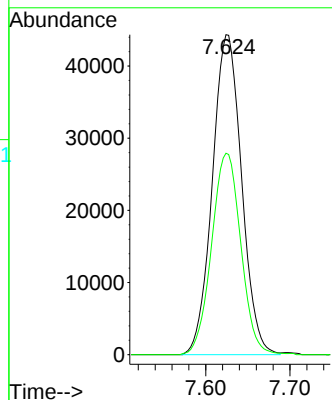
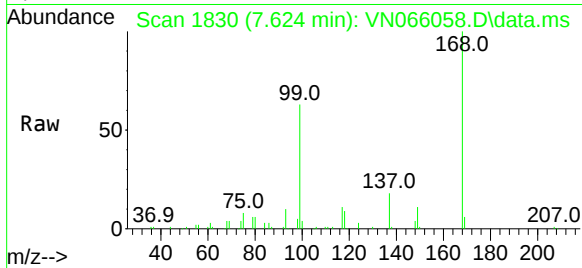




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.003 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

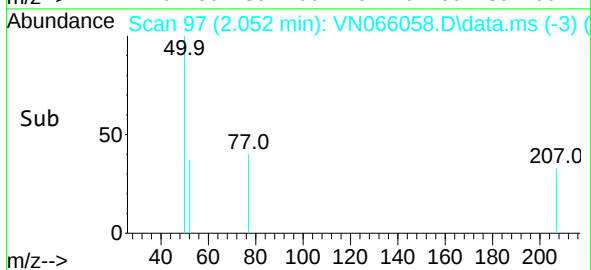
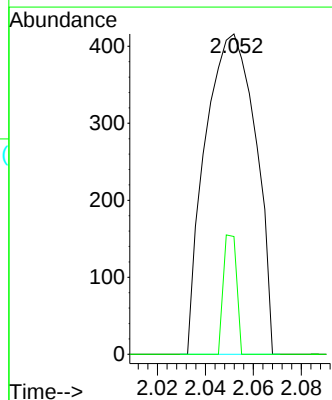
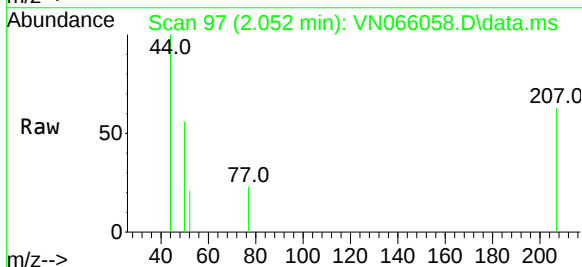
Instrument :
MSVOA_N
ClientSampleId :
30779

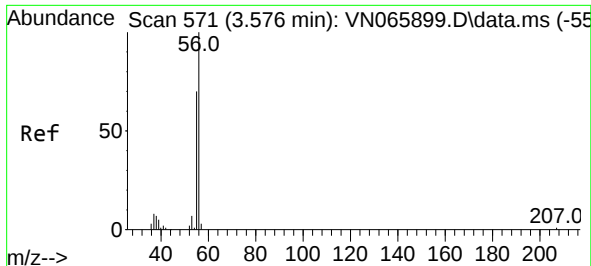
Tgt Ion:168 Resp: 106940
Ion Ratio Lower Upper
168 100
99 62.9 42.6 63.8



#3
Chloromethane
Concen: 0.34 ug/l
RT: 2.052 min Scan# 97
Delta R.T. 0.003 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

Tgt Ion: 50 Resp: 604
Ion Ratio Lower Upper
50 100
52 36.8 25.8 38.8

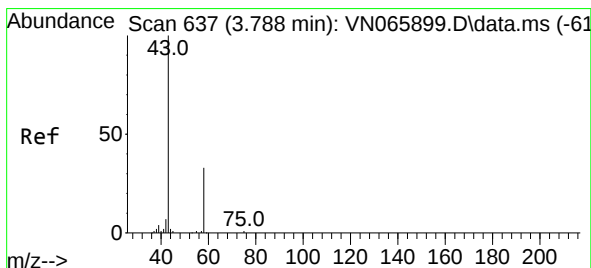
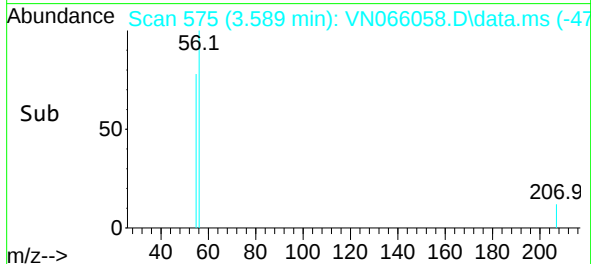
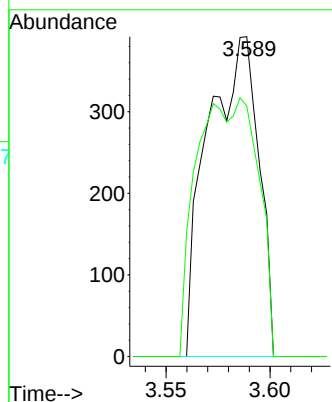
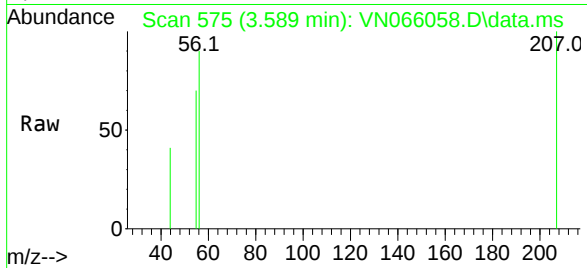




#13
Acrolein
Concen: 3.49 ug/l
RT: 3.589 min Scan# 575
Delta R.T. 0.013 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

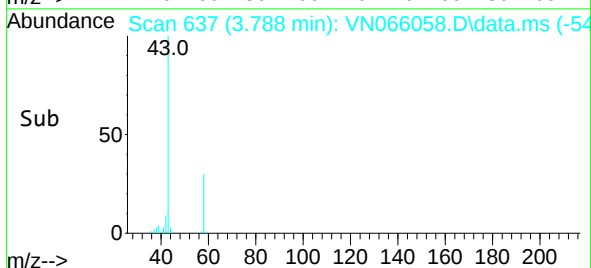
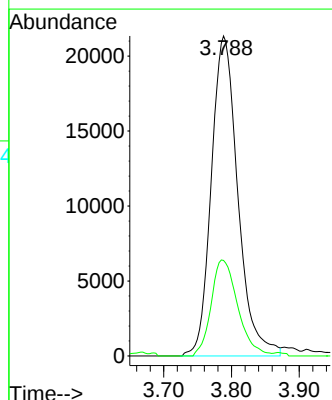
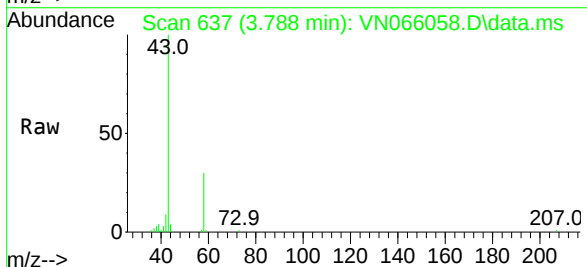
Instrument :
MSVOA_N
ClientSampled :
30779

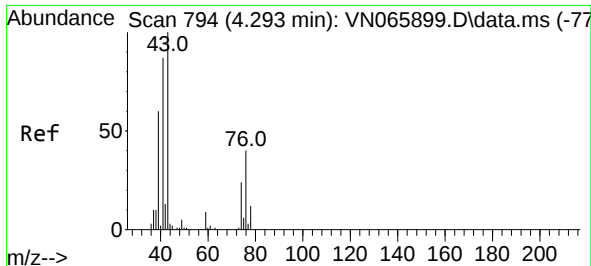
Tgt Ion: 56 Resp: 665
Ion Ratio Lower Upper
56 100
55 52.9 56.0 84.0#



#16
Acetone
Concen: 122.94 ug/l
RT: 3.788 min Scan# 637
Delta R.T. 0.000 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

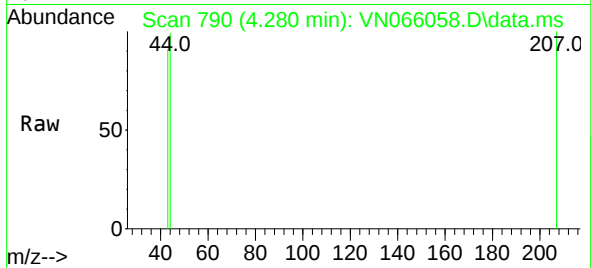
Tgt Ion: 43 Resp: 58135
Ion Ratio Lower Upper
43 100
58 29.8 27.0 40.6



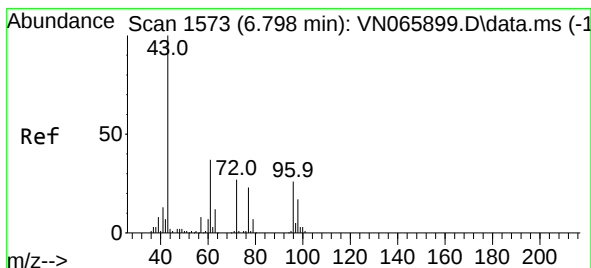
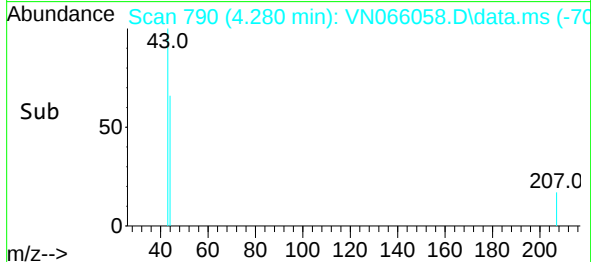
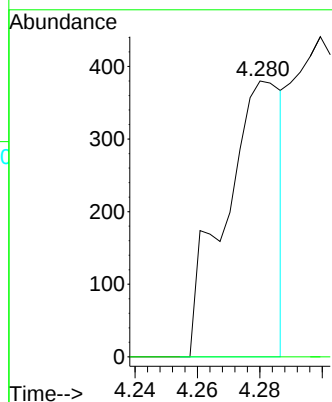


#18
Methyl Acetate
Concen: 0.39 ug/l
RT: 4.280 min Scan# 790
Delta R.T. -0.013 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

Instrument :
MSVOA_N
ClientSampled :
30779

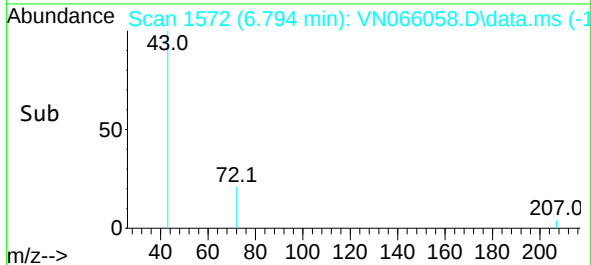
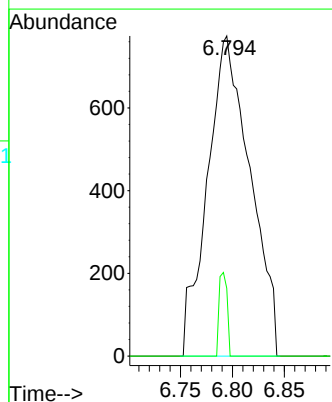
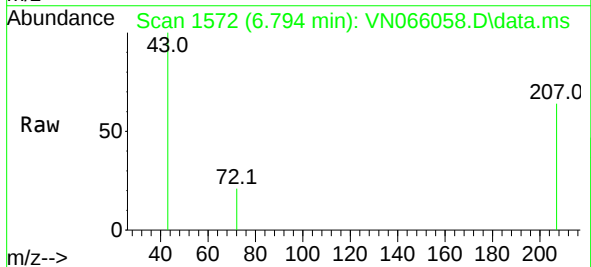


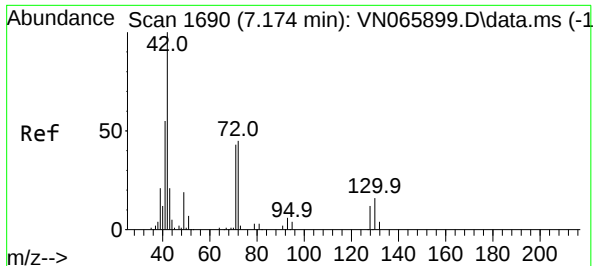
Tgt Ion: 43 Resp: 476
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#25
2-Butanone
Concen: 2.99 ug/l
RT: 6.794 min Scan# 1572
Delta R.T. -0.004 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

Tgt Ion: 43 Resp: 2214
Ion Ratio Lower Upper
43 100
72 21.2 23.1 34.7#





#29

Tetrahydrofuran

Concen: 3.99 ug/l

RT: 7.177 min Scan# 1691

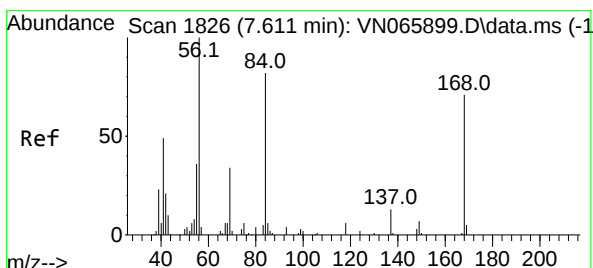
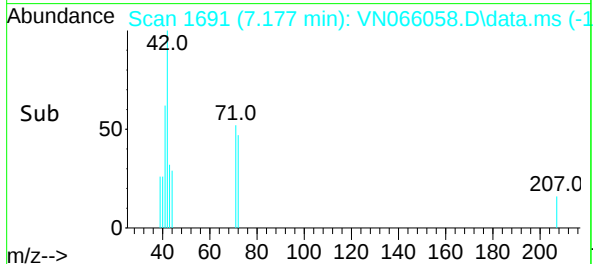
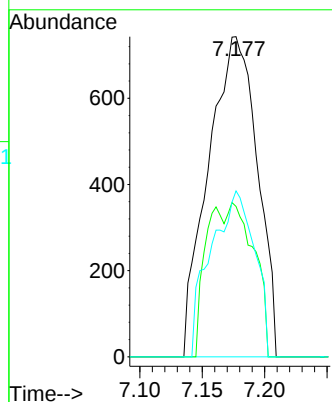
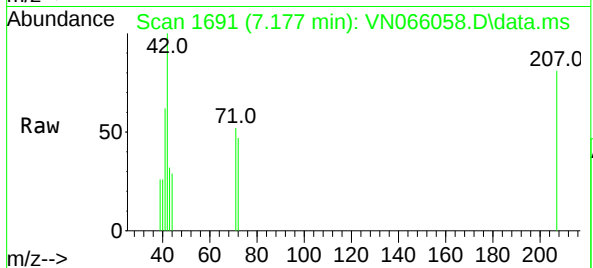
Delta R.T. 0.003 min

Lab File: VN066058.D

Acq: 26 Feb 2021 17:53

Tgt Ion:	42	Resp:	2031
Ion	Ratio	Lower	Upper
42	100		
72	19.3	36.6	55.0#
71	46.3	34.3	51.5

Instrument :
MSVOA_N
ClientSampled :
30779



#31

Cyclohexane

Concen: 1.03 ug/l

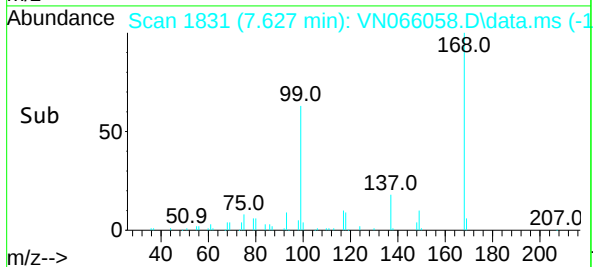
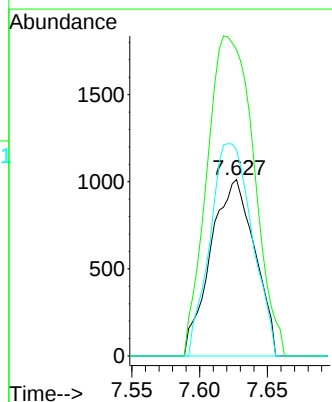
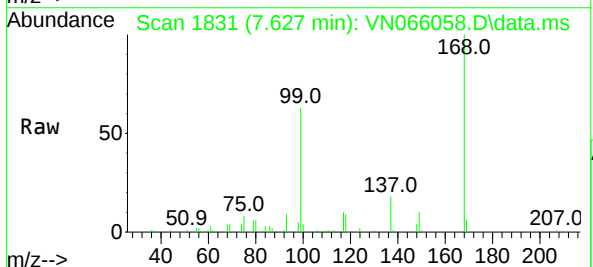
RT: 7.627 min Scan# 1831

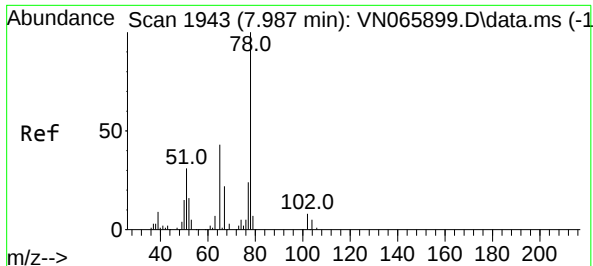
Delta R.T. 0.016 min

Lab File: VN066058.D

Acq: 26 Feb 2021 17:53

Tgt Ion:	56	Resp:	2298
Ion	Ratio	Lower	Upper
56	100		
69	173.5	26.6	39.8#
84	116.7	70.4	105.6#

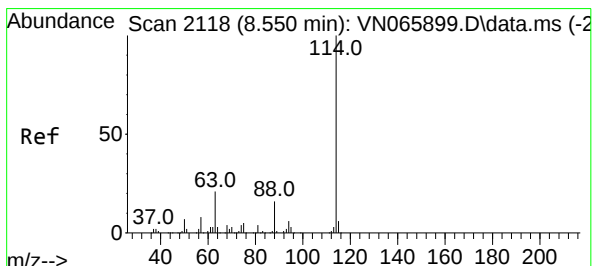
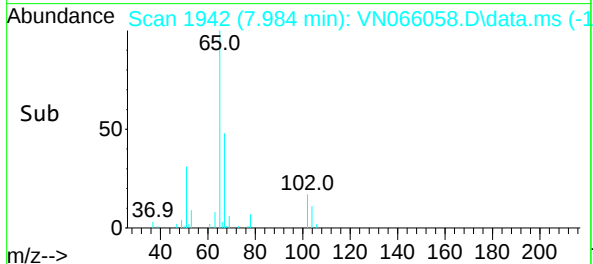
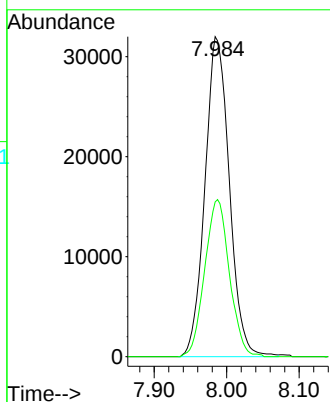
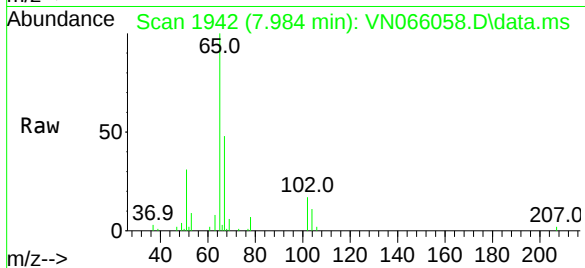




#33
1,2-Dichloroethane-d4
Concen: 50.02 ug/l
RT: 7.984 min Scan# 1942
Delta R.T. -0.003 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

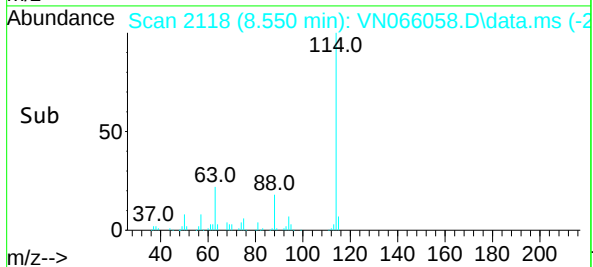
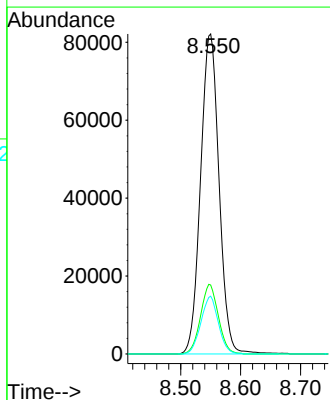
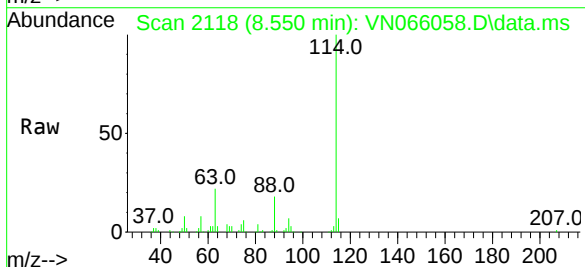
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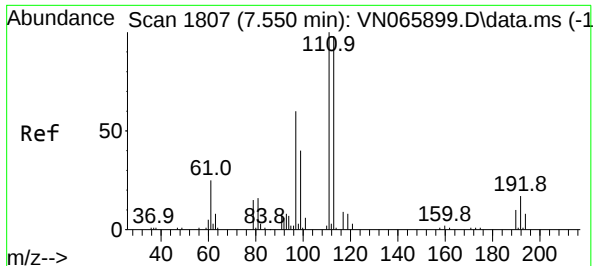
Tgt Ion: 65 Resp: 74798
Ion Ratio Lower Upper
65 100
67 49.7 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

Tgt Ion: 114 Resp: 176204
Ion Ratio Lower Upper
114 100
63 21.6 0.0 38.6
88 18.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.06 ug/l

RT: 7.550 min Scan# 1807

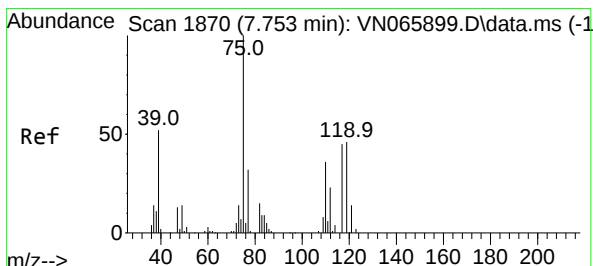
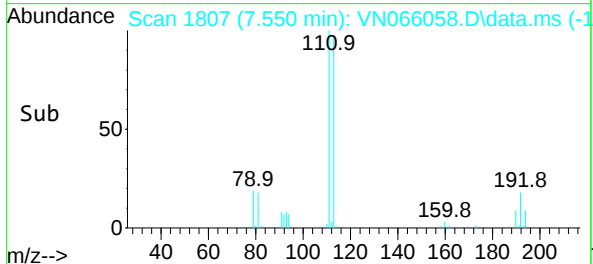
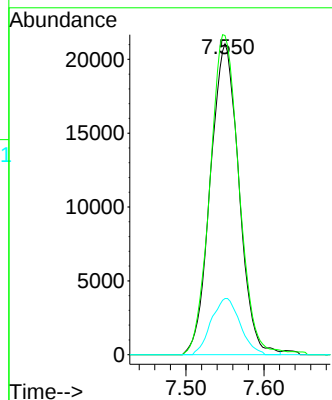
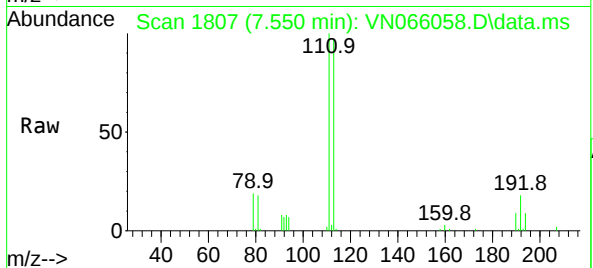
Delta R.T. 0.000 min

Lab File: VN066058.D

Acq: 26 Feb 2021 17:53

Tgt Ion:	113	Resp:	53498
Ion	Ratio	Lower	Upper
113	100		
111	105.1	82.2	123.2
192	18.3	15.4	23.0

Instrument :
MSVOA_N
ClientSampled :
30779



#36

1,1-Dichloropropene

Concen: 4.81 ug/l

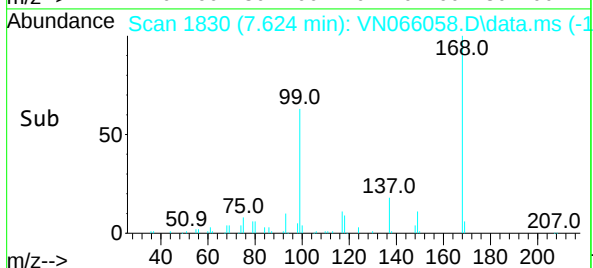
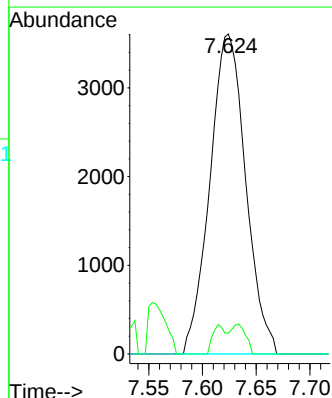
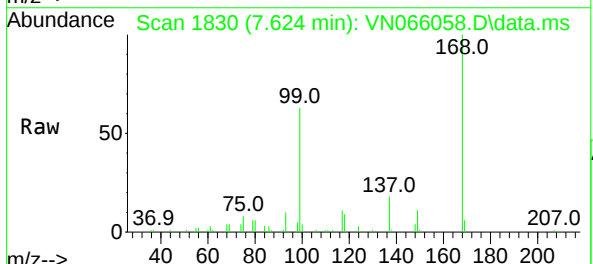
RT: 7.624 min Scan# 1830

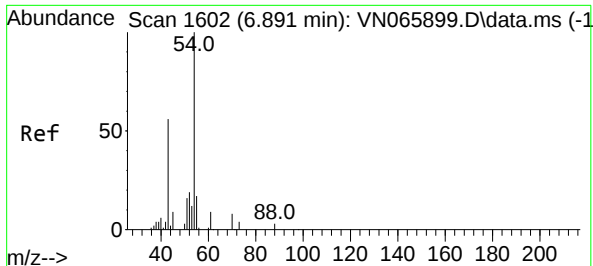
Delta R.T. -0.129 min

Lab File: VN066058.D

Acq: 26 Feb 2021 17:53

Tgt Ion:	75	Resp:	8354
Ion	Ratio	Lower	Upper
75	100		
110	3.6	18.2	54.6#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 1.41 ug/l

RT: 6.794 min Scan# 1572

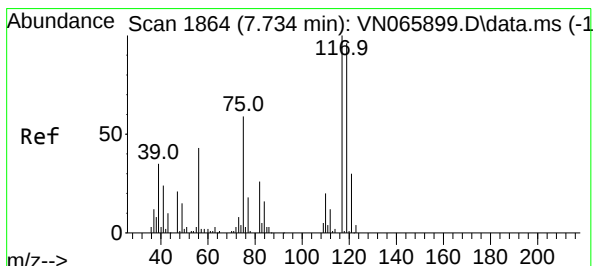
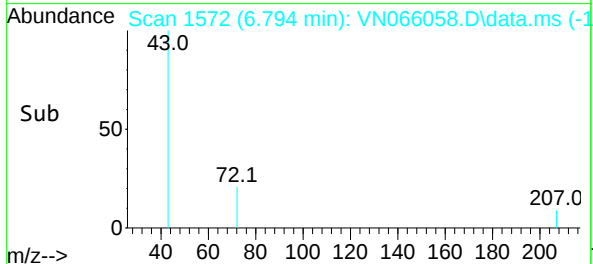
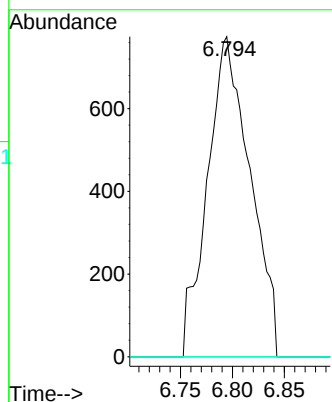
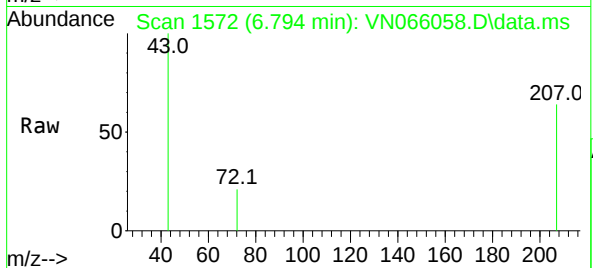
Delta R.T. -0.097 min

Lab File: VN066058.D

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Instrument :
MSVOA_N
ClientSampleId :
30779

Tgt Ion:	43	Resp:	2214
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 6.86 ug/l

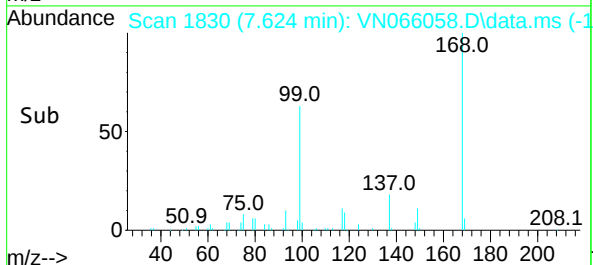
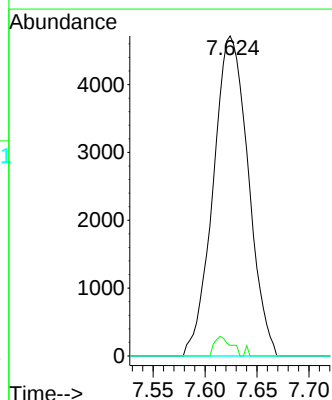
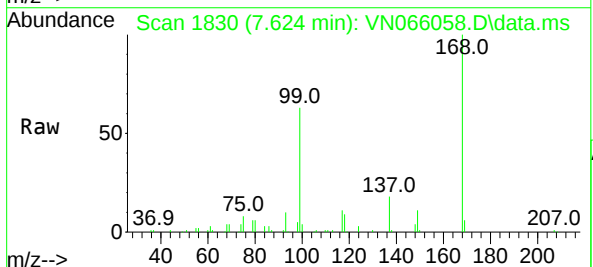
RT: 7.624 min Scan# 1830

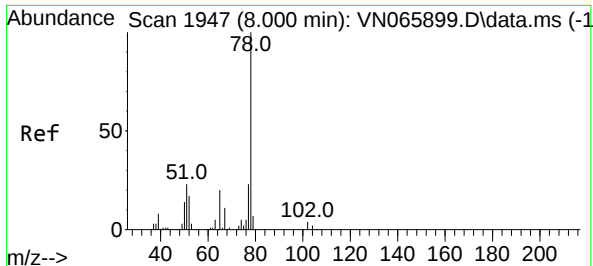
Delta R.T. -0.110 min

Lab File: VN066058.D

Acq: 26 Feb 2021 17:53

Tgt Ion:	117	Resp:	11083
Ion	Ratio	Lower	Upper
117	100		
119	3.3	76.0	114.0#
121	0.0	24.5	36.7#

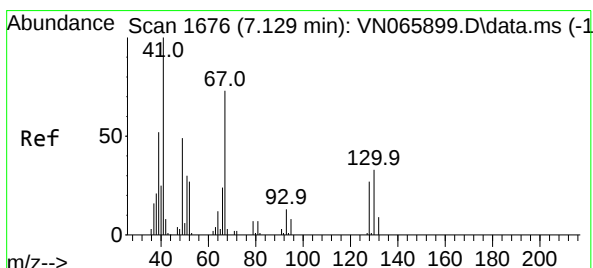
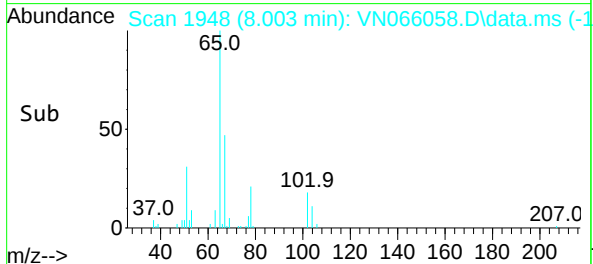
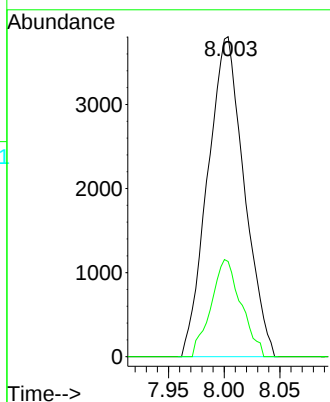
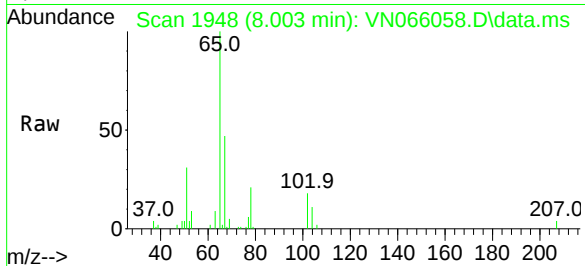




#40
Benzene
Concen: 1.62 ug/l
RT: 8.003 min Scan# 1948
Delta R.T. 0.003 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

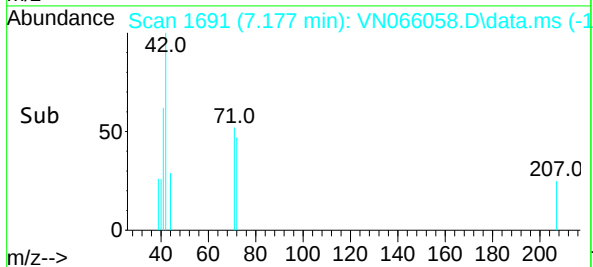
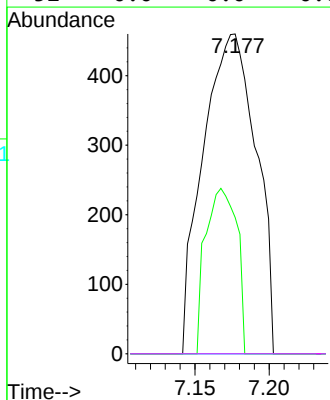
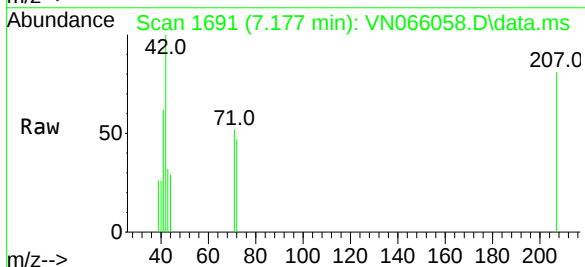
Instrument :
MSVOA_N
ClientSampleId :
30779

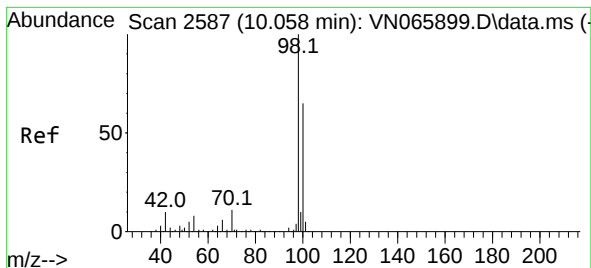
Tgt Ion: 78 Resp: 8660
Ion Ratio Lower Upper
78 100
77 29.8 19.0 28.4#



#41
Methacrylonitrile
Concen: 1.50 ug/l
RT: 7.177 min Scan# 1691
Delta R.T. 0.048 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

Tgt Ion: 41 Resp: 1142
Ion Ratio Lower Upper
41 100
39 30.5 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

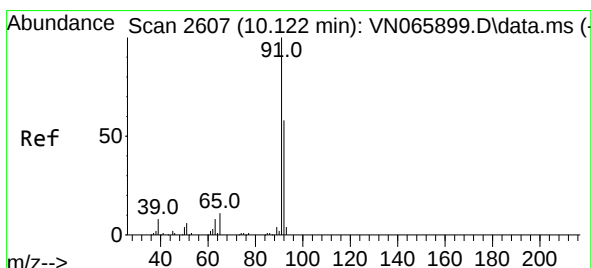
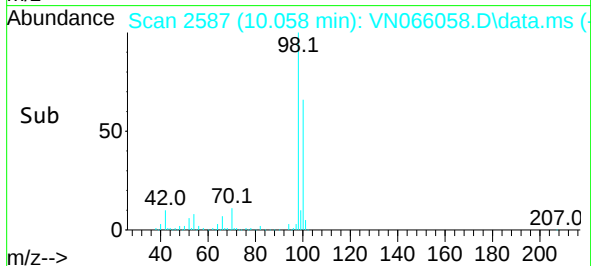
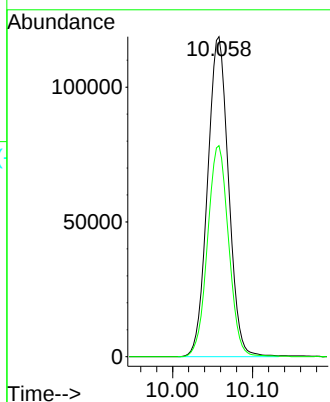
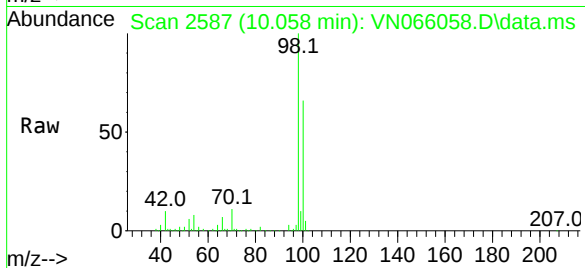




#50
Toluene-d8
Concen: 48.44 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

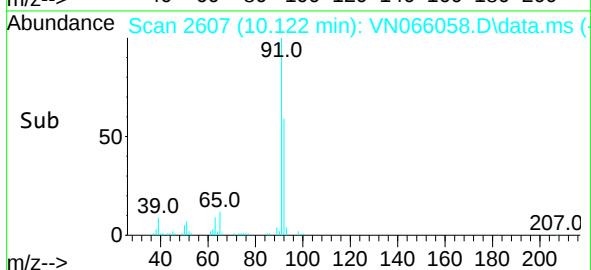
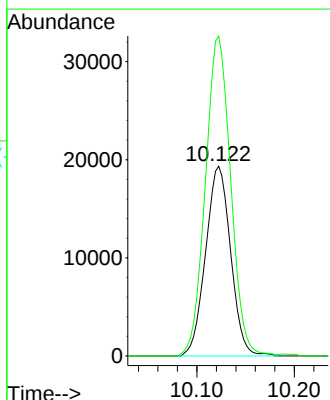
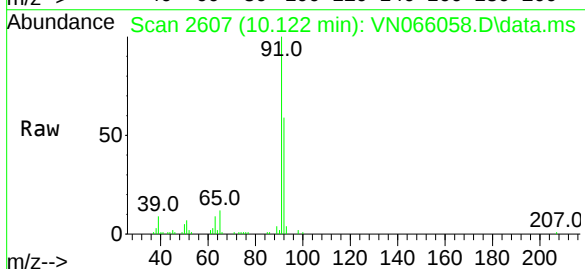
Instrument :
MSVOA_N
ClientSampleId :
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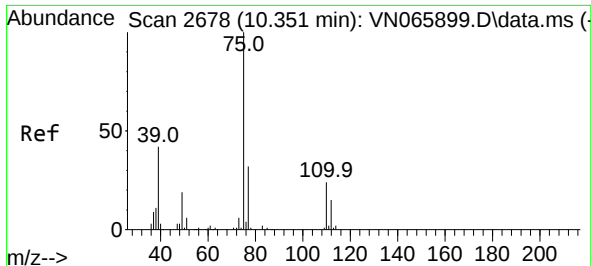
Tgt Ion: 98 Resp: 216858
Ion Ratio Lower Upper
98 100
100 66.2 50.5 75.7



#52
Toluene
Concen: 10.55 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

Tgt Ion: 92 Resp: 34530
Ion Ratio Lower Upper
92 100
91 170.6 140.7 211.1

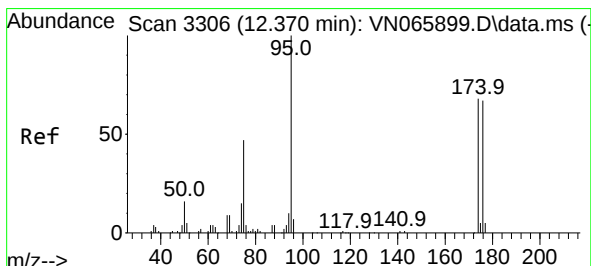
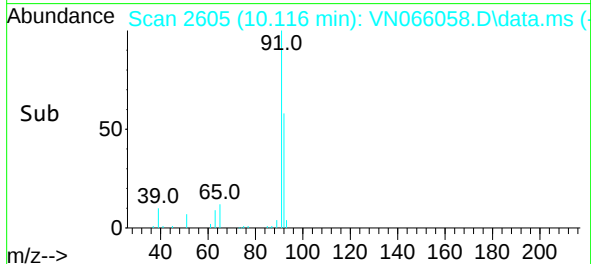
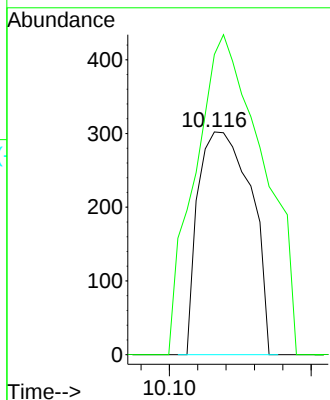
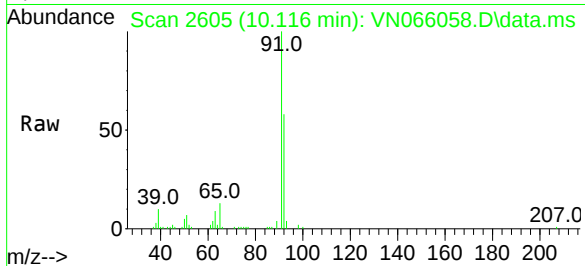




#53
t-1,3-Dichloropropene
Concen: 2.16 ug/l
RT: 10.116 min Scan# 2605
Delta R.T. -0.235 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

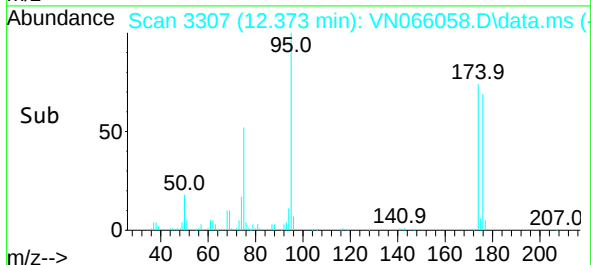
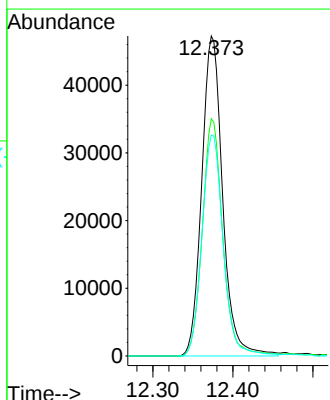
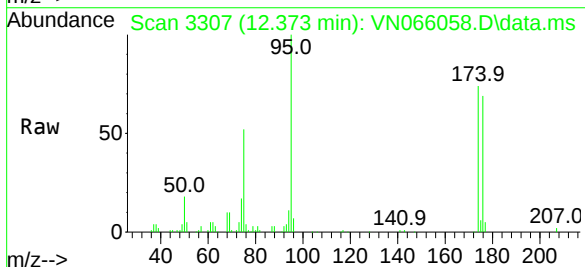
Instrument :
MSVOA_N
ClientSampleId :
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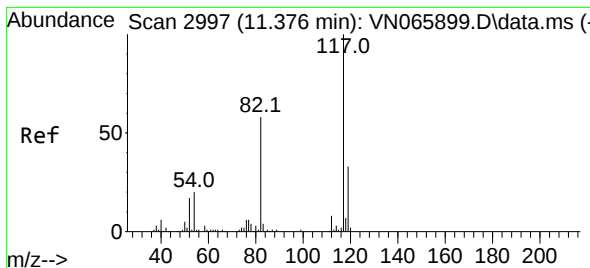
Tgt Ion: 75 Resp: 392
Ion Ratio Lower Upper
75 100
77 82.5 26.2 39.4#



#62
4-Bromofluorobenzene
Concen: 51.20 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

Tgt Ion: 95 Resp: 86036
Ion Ratio Lower Upper
95 100
174 72.4 0.0 169.0
176 70.2 0.0 162.4

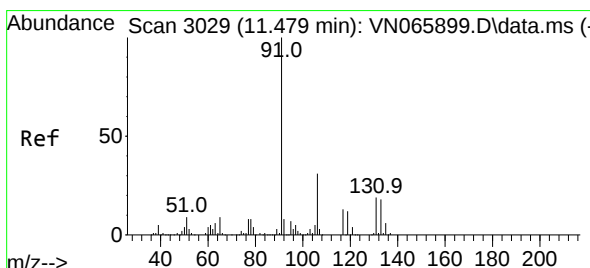
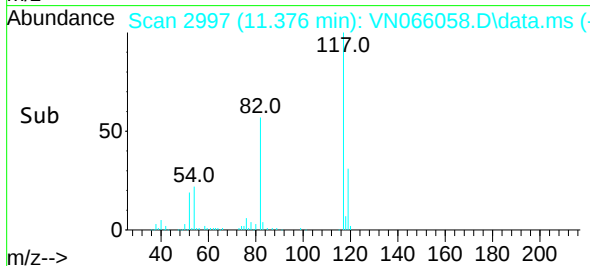
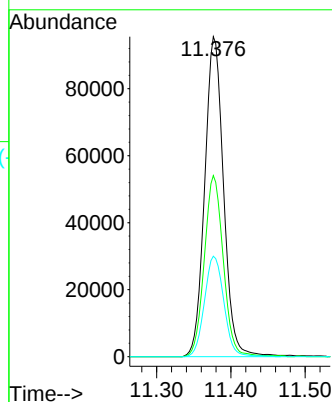
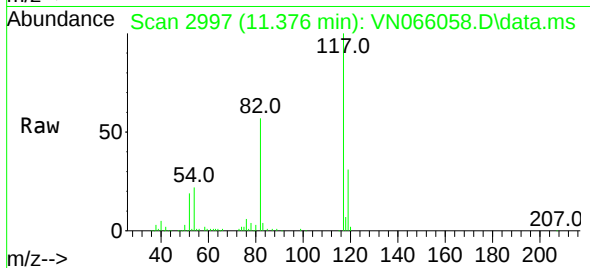




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

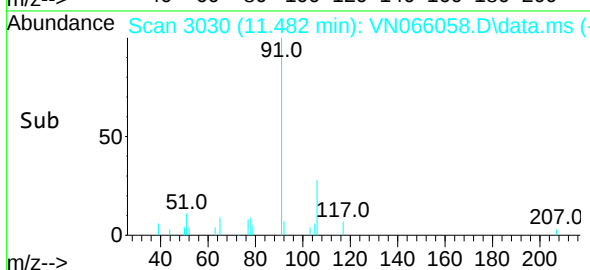
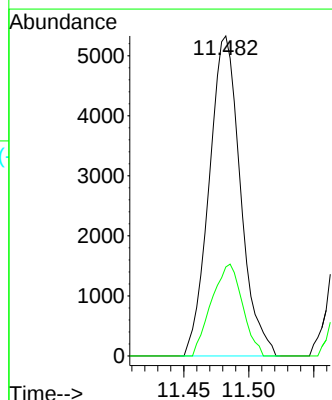
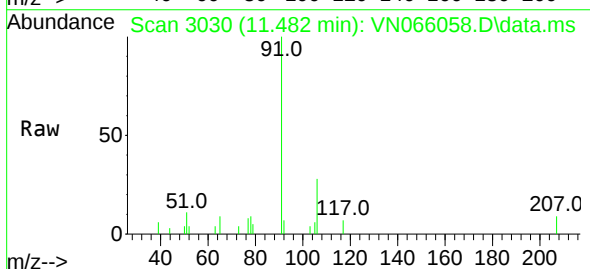
Instrument :
MSVOA_N
ClientSampleId :
30779

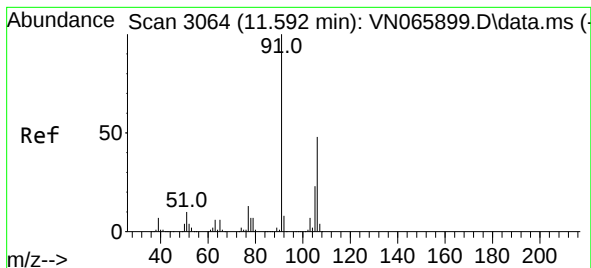
Tgt Ion:117 Resp: 168540
Ion Ratio Lower Upper
117 100
82 56.6 43.7 65.5
119 31.4 26.1 39.1



#67
Ethyl Benzene
Concen: 1.40 ug/l
RT: 11.482 min Scan# 3030
Delta R.T. 0.003 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

Tgt Ion: 91 Resp: 8914
Ion Ratio Lower Upper
91 100
106 27.8 25.5 38.3

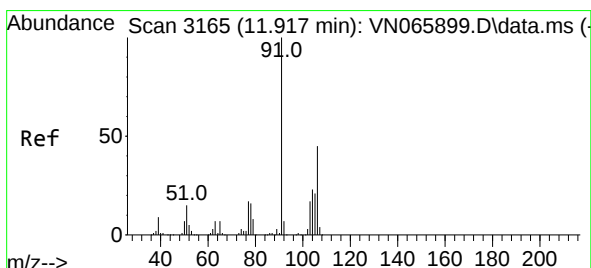
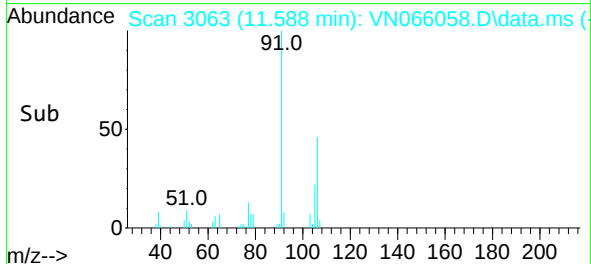
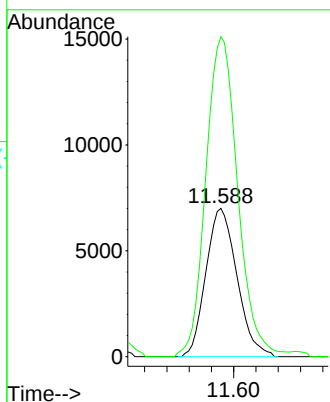
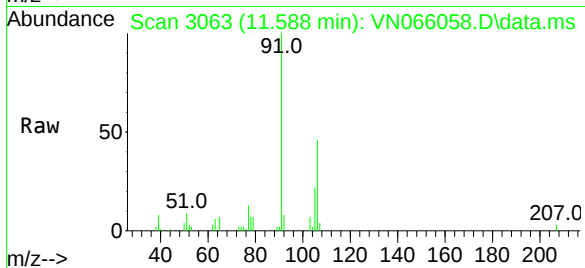




#68
m/p-Xylenes
Concen: 5.71 ug/l
RT: 11.588 min Scan# 3063
Delta R.T. -0.004 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

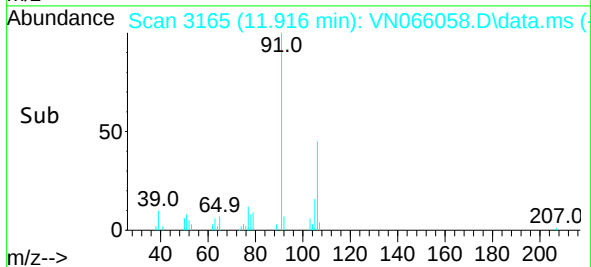
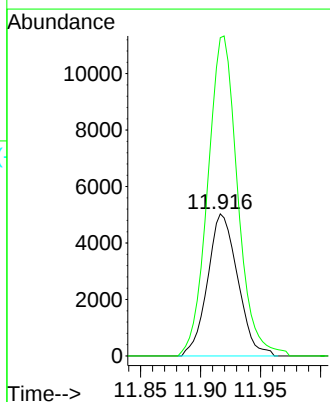
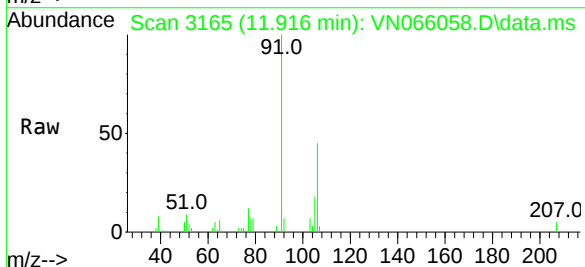
Instrument :
MSVOA_N
ClientSampleId :
30779

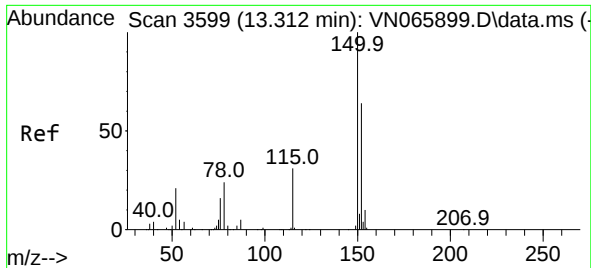
Tgt Ion:106 Resp: 13584
Ion Ratio Lower Upper
106 100
91 221.6 161.4 242.0



#69
o-Xylene
Concen: 3.83 ug/l
RT: 11.916 min Scan# 3165
Delta R.T. -0.001 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

Tgt Ion:106 Resp: 8787
Ion Ratio Lower Upper
106 100
91 223.5 106.8 320.4

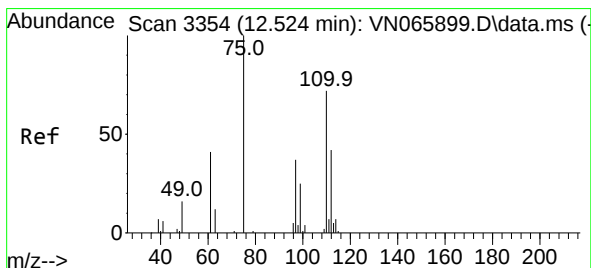
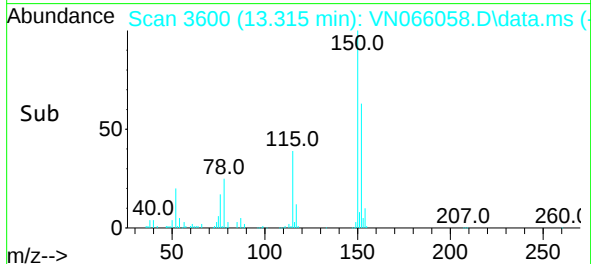
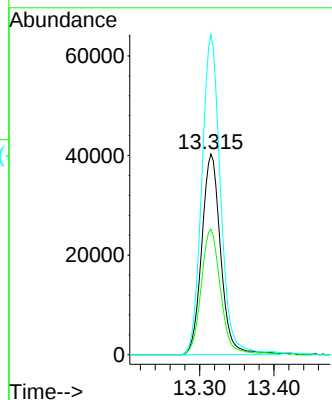
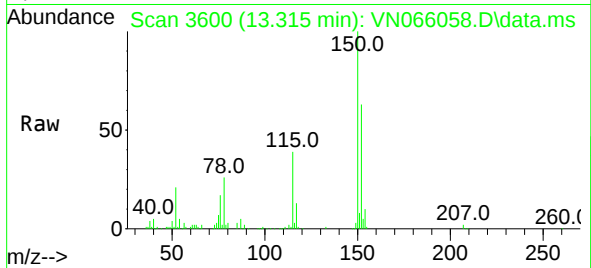




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.315 min Scan# 3600
 Delta R.T. 0.003 min
 Lab File: VN066058.D
 Acq: 26 Feb 2021 17:53

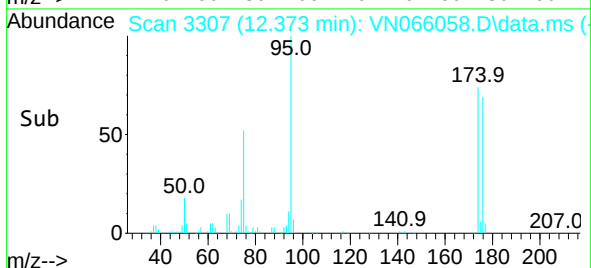
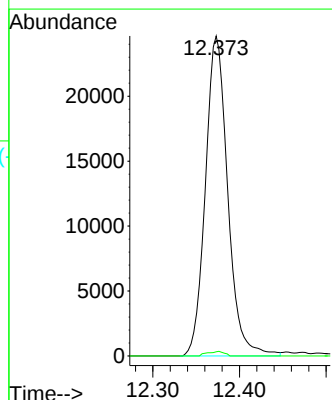
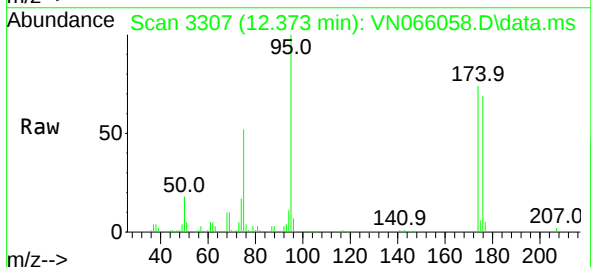
Instrument :
 MSVOA_N
 ClientSampled :
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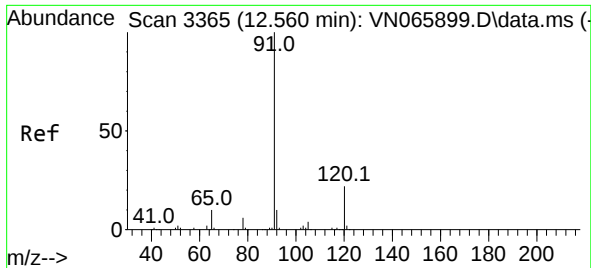
Tgt Ion:152 Resp: 71392
 Ion Ratio Lower Upper
 152 100
 115 63.5 28.5 85.6
 150 157.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 25.74 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. -0.151 min
 Lab File: VN066058.D
 Acq: 26 Feb 2021 17:53

Tgt Ion: 75 Resp: 44147
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

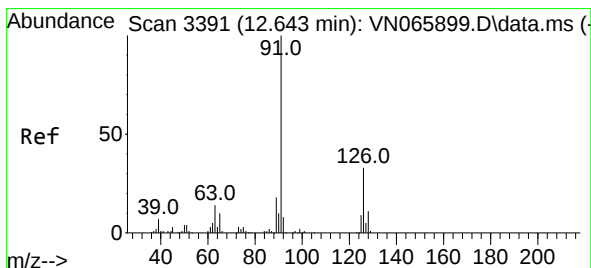
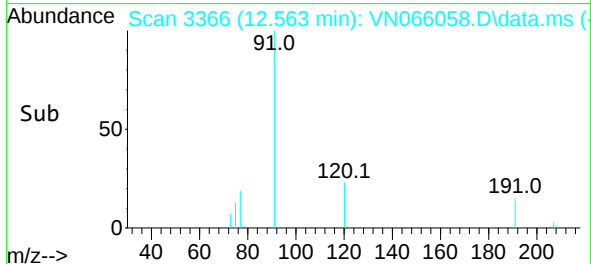
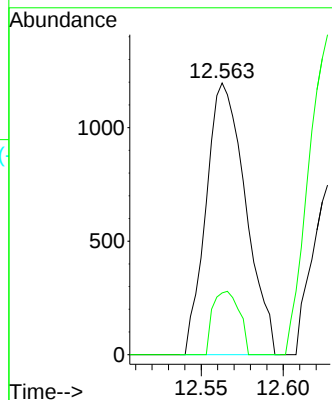
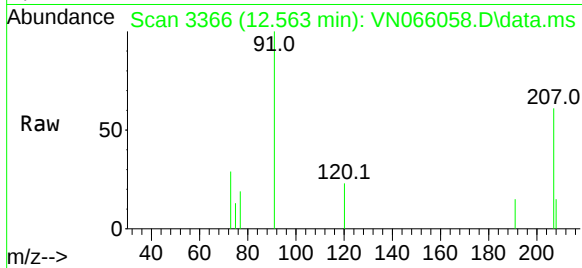




#78
n-propylbenzene
Concen: 0.30 ug/l
RT: 12.563 min Scan# 3366
Delta R.T. 0.003 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

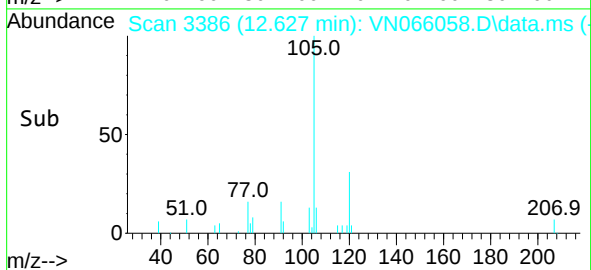
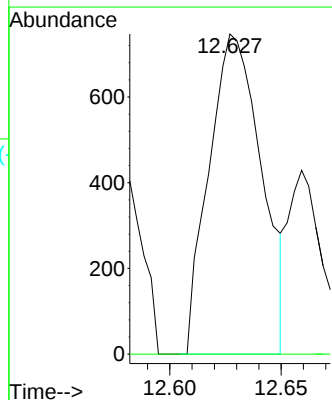
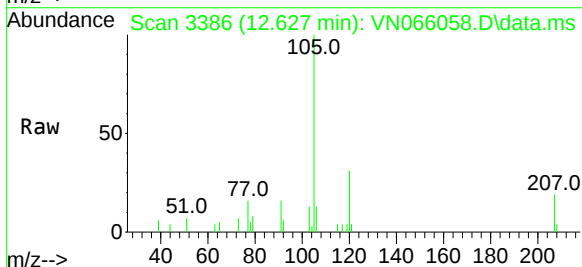
Instrument :
MSVOA_N
ClientSampled :
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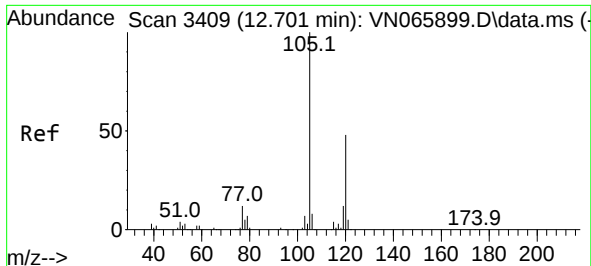
Tgt Ion: 91 Resp: 2004
Ion Ratio Lower Upper
91 100
120 15.6 11.8 35.3



#79
2-Chlorotoluene
Concen: 0.29 ug/l
RT: 12.627 min Scan# 3386
Delta R.T. -0.016 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

Tgt Ion: 91 Resp: 1225
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

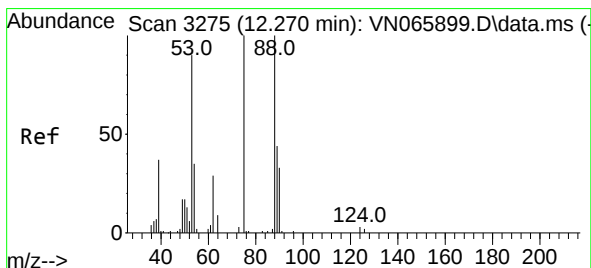
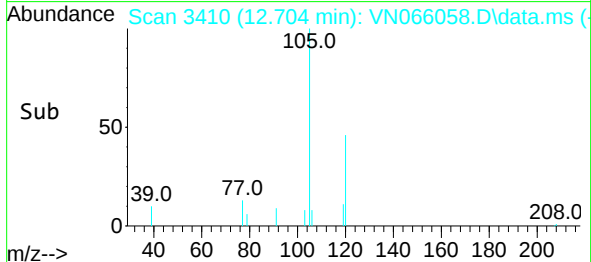
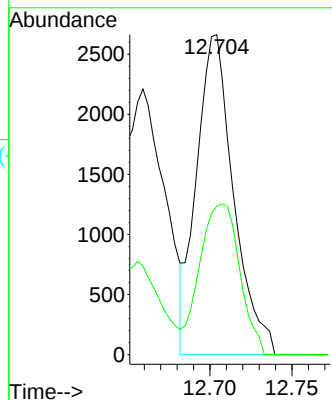
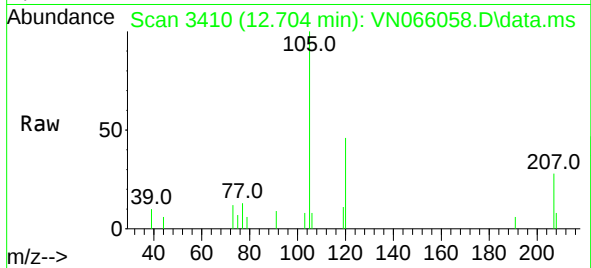




#80
1,3,5-Trimethylbenzene
Concen: 0.84 ug/l
RT: 12.704 min Scan# 3410
Delta R.T. 0.003 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

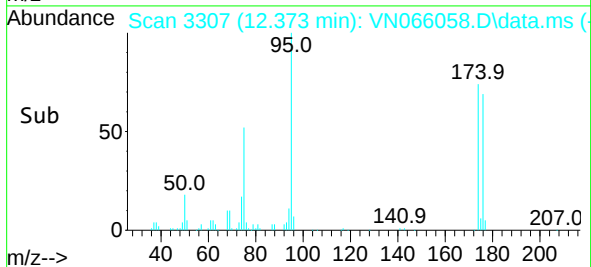
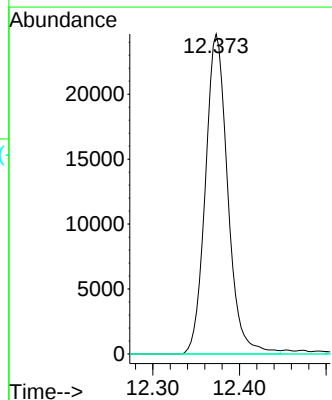
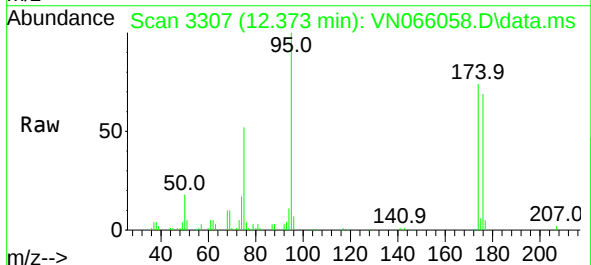
Instrument :
MSVOA_N
ClientSampled :
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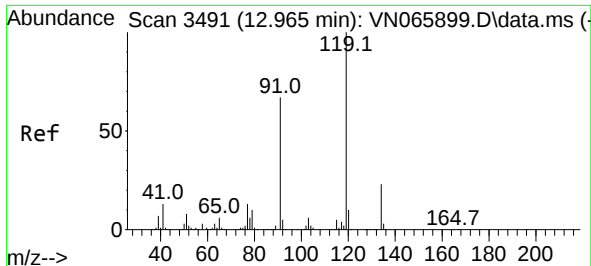
Tgt Ion:105 Resp: 4178
Ion Ratio Lower Upper
105 100
120 51.0 24.3 72.8



#81
trans-1,4-Dichloro-2-butene
Concen: 82.04 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

Tgt Ion: 75 Resp: 44147
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

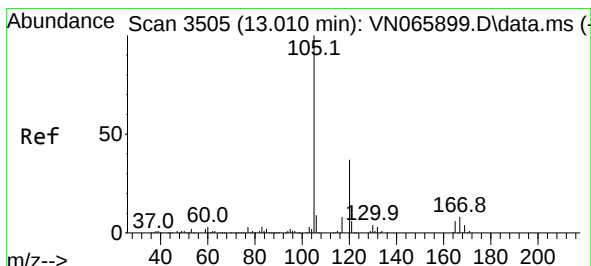
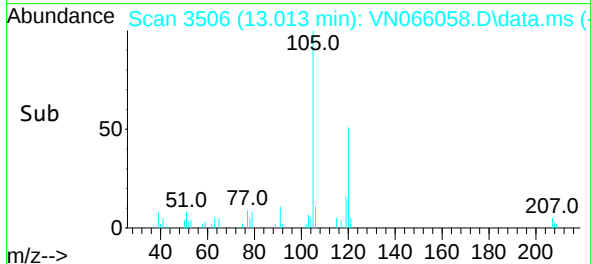
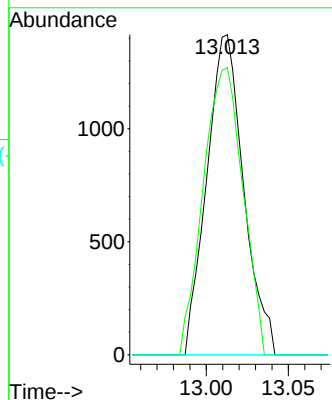
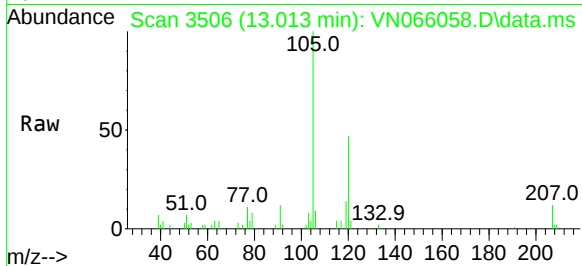




#83
tert-Butylbenzene
Concen: 0.54 ug/l
RT: 13.013 min Scan# 3506
Delta R.T. 0.048 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

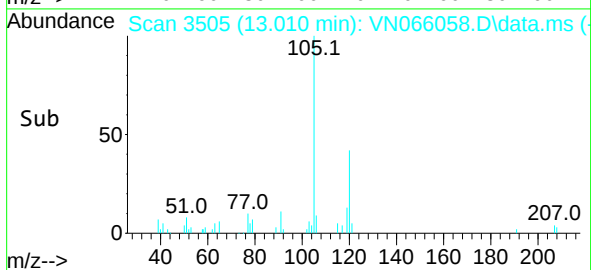
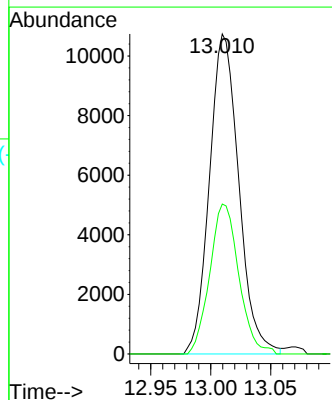
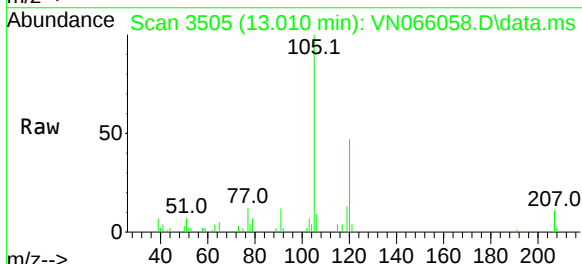
Instrument :
MSVOA_N
ClientSampled :
30779

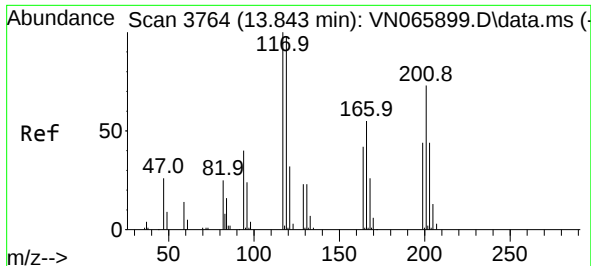
Tgt Ion:119 Resp: 2211
Ion Ratio Lower Upper
119 100
91 96.5 33.0 98.9
134 0.0 12.7 38.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.67 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.000 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

Tgt Ion:105 Resp: 18226
Ion Ratio Lower Upper
105 100
120 46.4 22.4 67.0

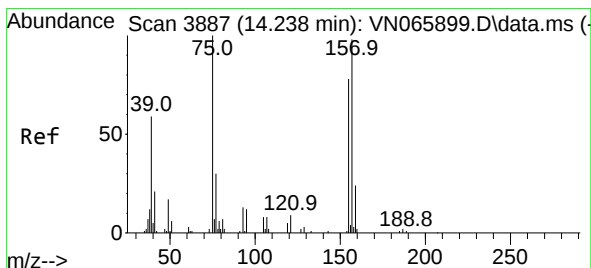
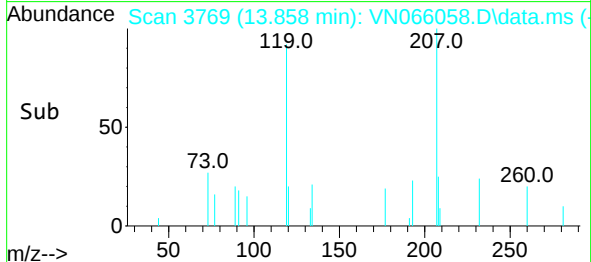
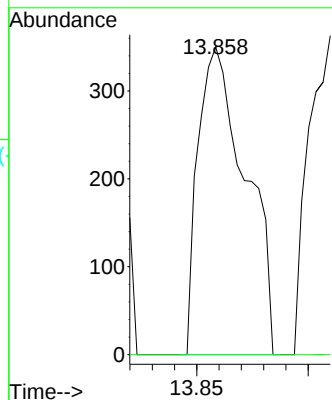
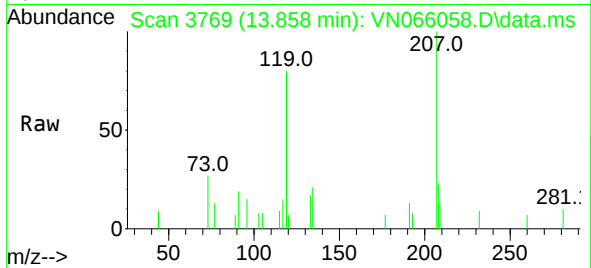




#90
Hexachloroethane
Concen: 0.64 ug/l
RT: 13.858 min Scan# 3769
Delta R.T. 0.015 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

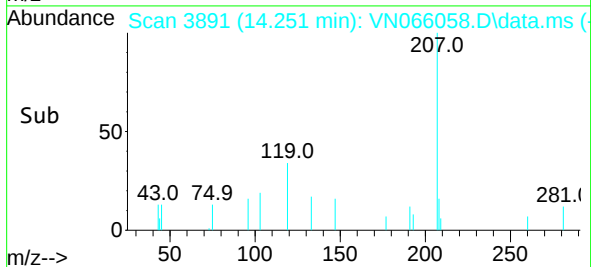
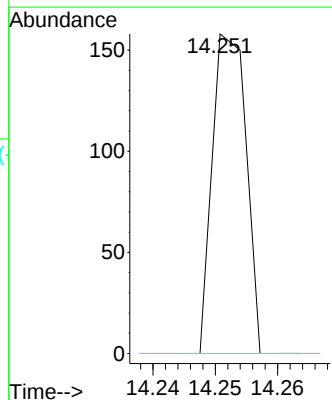
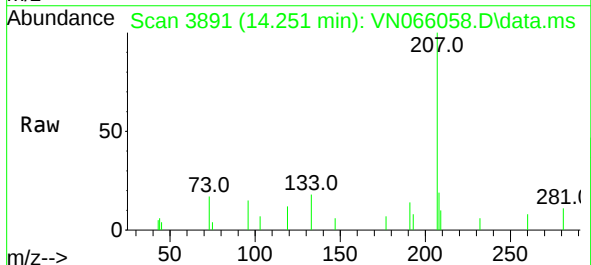
Instrument :
MSVOA_N
ClientSampleId :
30779

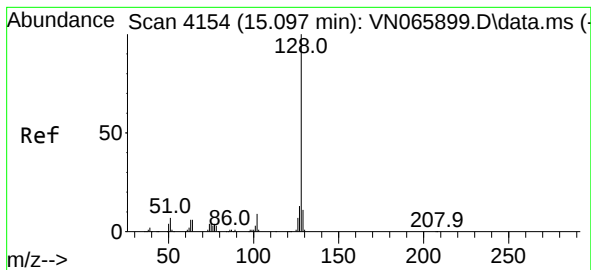
Tgt Ion:117 Resp: 519
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.02 ug/l
RT: 14.251 min Scan# 3891
Delta R.T. 0.013 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

Tgt Ion: 75 Resp: 59
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#





#95
Naphthalene
Concen: 4.27 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.006 min
Lab File: VN066058.D
Acq: 26 Feb 2021 17:53

Instrument :
MSVOA_N
ClientSampleId :
30779

Tgt Ion:128 Resp: 5337
Ion Ratio Lower Upper
128 100
127 8.9 10.2 15.2#
129 9.7 8.6 13.0

