

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022621\
 Data File : VN066056.D
 Acq On : 26 Feb 2021 17:06
 Operator : JC/MD
 Sample : M1488-05 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41698

Quant Time: Feb 26 23:35:24 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)

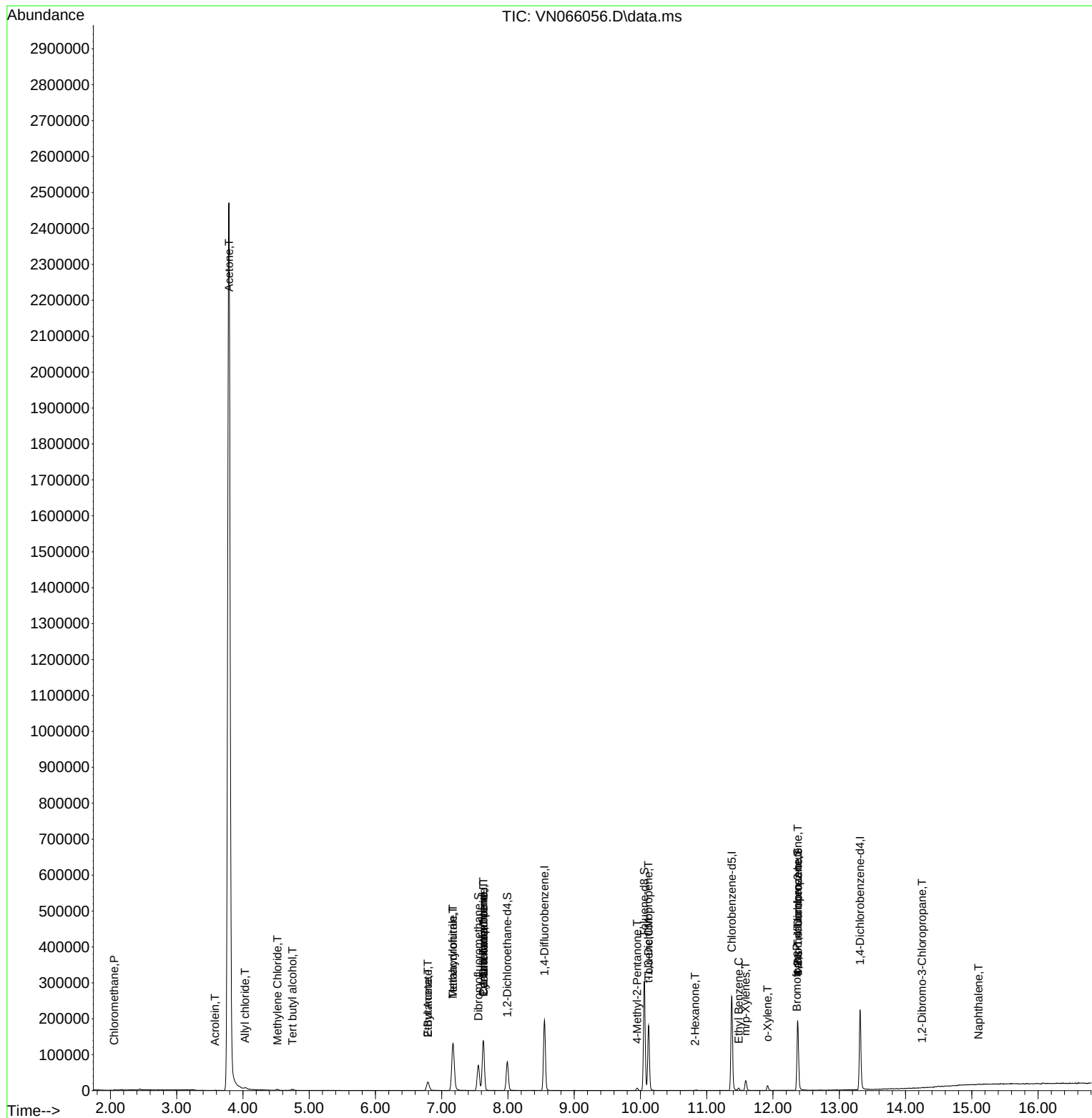
Internal Standards						
1) Pentafluorobenzene	7.627	168	110162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	177907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	160127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	64047	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	74766	48.53	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.06%		
35) Dibromofluoromethane	7.553	113	54770	49.74	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.48%		
50) Toluene-d8	10.058	98	215840	47.76	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.52%		
62) 4-Bromofluorobenzene	12.373	95	78121	46.04	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.08%		
Target Compounds					Qvalue	
3) Chloromethane	2.055	50	787	0.44	ug/l #	87
11) Tert butyl alcohol	4.750	59	6139	28.66	ug/l #	83
13) Acrolein	3.579	56	422	2.15	ug/l #	15
14) Allyl chloride	4.032	41	503	0.24	ug/l #	75
16) Acetone	3.788	43	4249462	8836.28	ug/l	96
20) Methylene Chloride	4.521	84	2235	1.56	ug/l #	90
25) 2-Butanone	6.791	43	42758	56.07	ug/l	98
29) Tetrahydrofuran	7.171	42	108531	206.73	ug/l	94
31) Cyclohexane	7.630	56	2030	0.88	ug/l #	15
36) 1,1-Dichloropropene	7.627	75	8559	4.88	ug/l #	47
37) Ethyl Acetate	6.791	43	42758	26.99	ug/l #	68
38) Carbon Tetrachloride	7.627	117	11418	7.00	ug/l #	16
41) Methacrylonitrile	7.171	41	64145	83.65	ug/l #	100
51) 4-Methyl-2-Pentanone	9.949	43	4795	3.12	ug/l	98
52) Toluene	10.122	92	80815	24.45	ug/l	95
53) t-1,3-Dichloropropene	10.119	75	911	2.40	ug/l #	1
59) 2-Hexanone	10.823	43	353	0.32	ug/l #	23
67) Ethyl Benzene	11.482	91	5680	0.94	ug/l	96
68) m/p-Xylenes	11.588	106	9009	3.98	ug/l	91
69) o-Xylene	11.920	106	3699	1.70	ug/l	83
71) Bromoform	12.360	173	105	2.61	ug/l #	1
76) 1,2,3-Trichloropropane	12.373	75	39711	25.81	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	39711	82.25	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.251	75	336	1.93	ug/l #	1
95) Naphthalene	15.103	128	1161	3.35	ug/l #	69

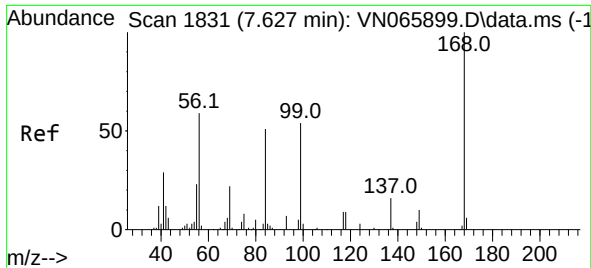
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022621\
Data File : VN066056.D
Acq On : 26 Feb 2021 17:06
Operator : JC/MD
Sample : M1488-05 20X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
41698

Quant Time: Feb 26 23:35:24 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

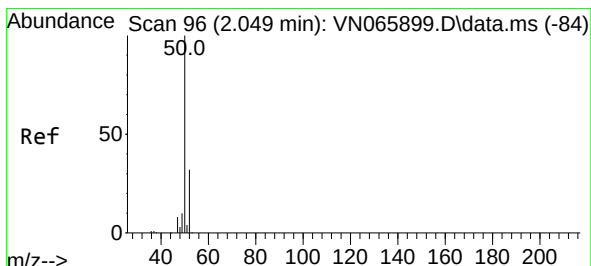
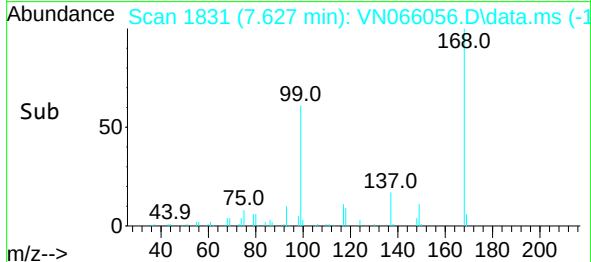
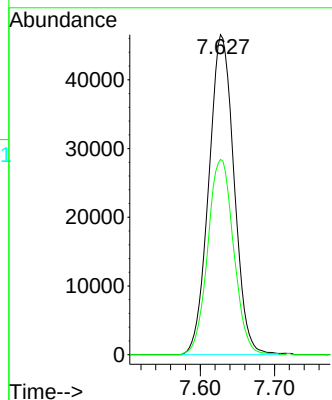
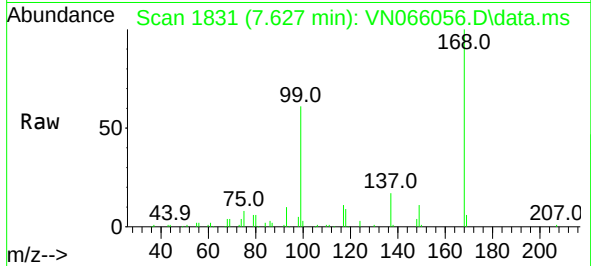




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

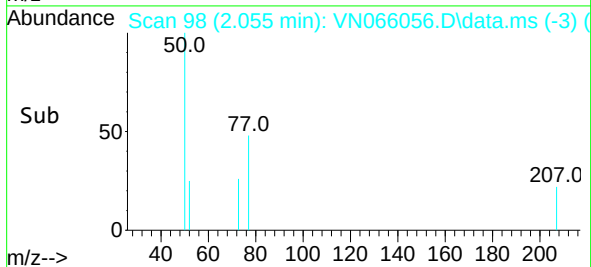
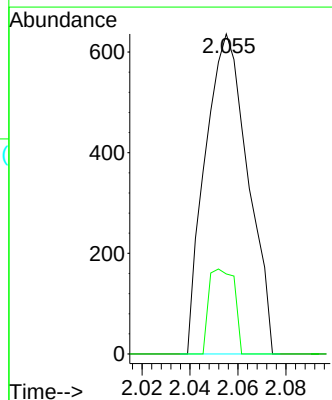
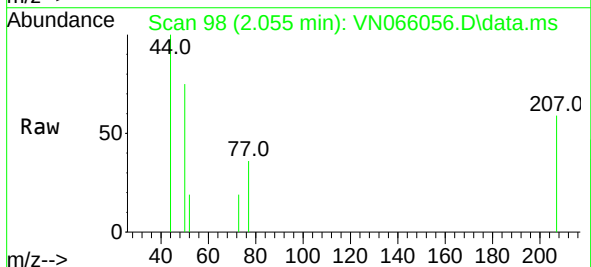
Instrument :
MSVOA_N
ClientSampled :
41698

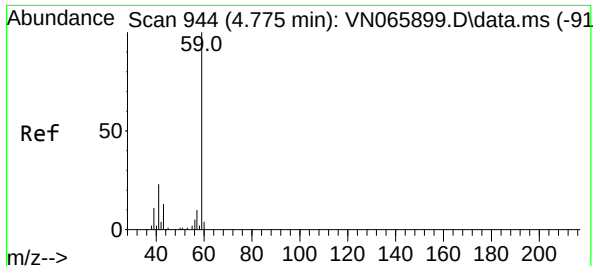
Tgt Ion:168 Resp: 110162
Ion Ratio Lower Upper
168 100
99 61.0 42.6 63.8



#3
Chloromethane
Concen: 0.44 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

Tgt Ion: 50 Resp: 787
Ion Ratio Lower Upper
50 100
52 25.0 25.8 38.8#

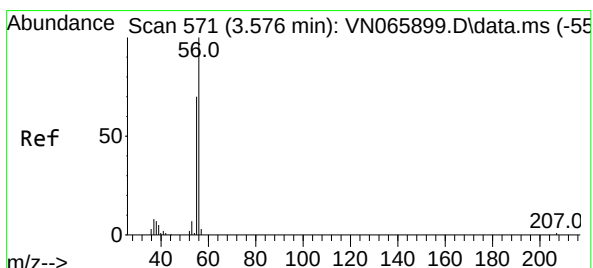
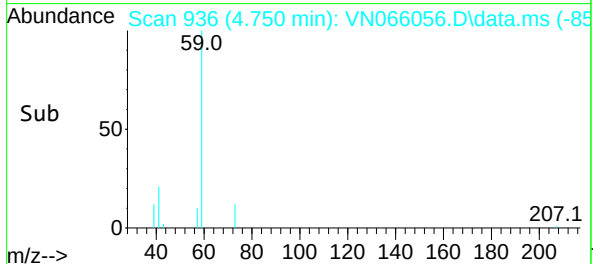
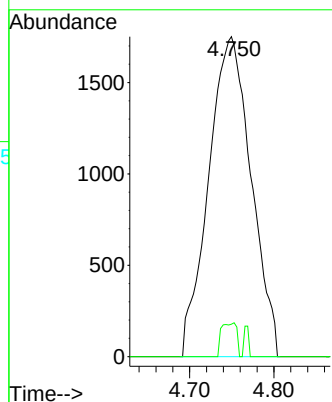
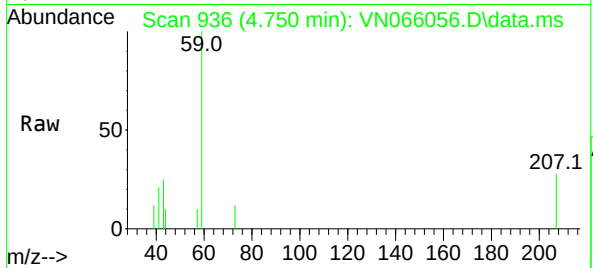




#11
Tert butyl alcohol
Concen: 28.66 ug/l
RT: 4.750 min Scan# 936
Delta R.T. -0.026 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

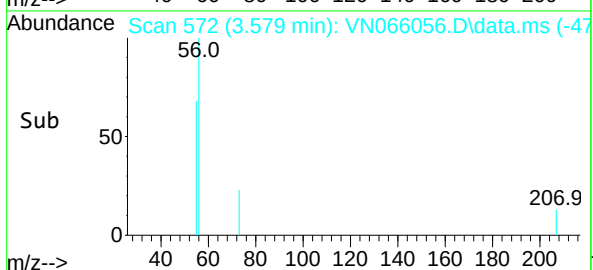
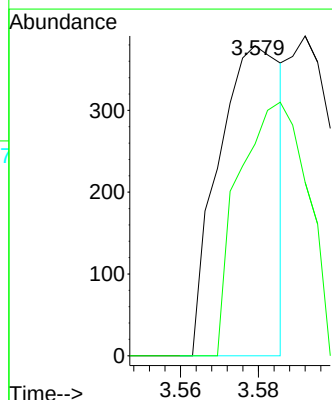
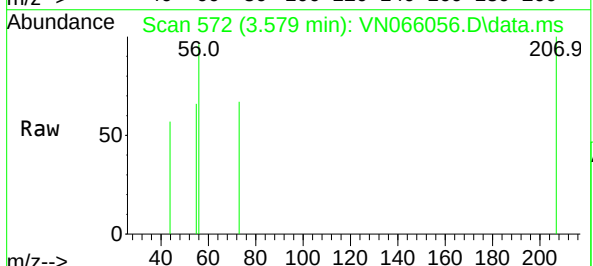
Instrument :
MSVOA_N
ClientSampled :
41698

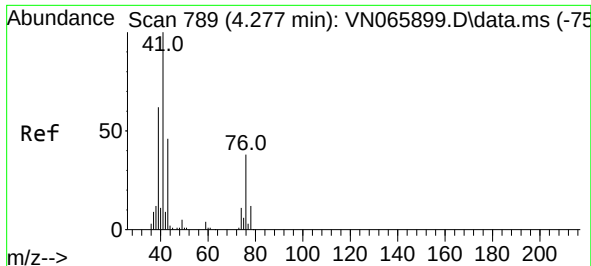
Tgt Ion: 59 Resp: 6139
Ion Ratio Lower Upper
59 100
57 3.8 8.0 12.0#



#13
Acrolein
Concen: 2.15 ug/l
RT: 3.579 min Scan# 572
Delta R.T. 0.003 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

Tgt Ion: 56 Resp: 422
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#

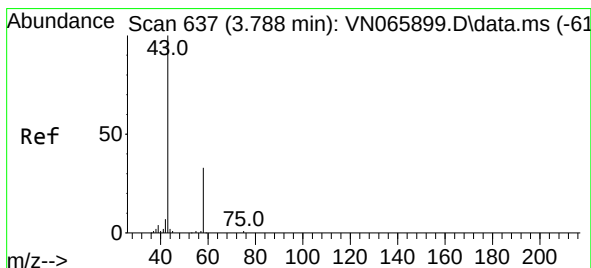
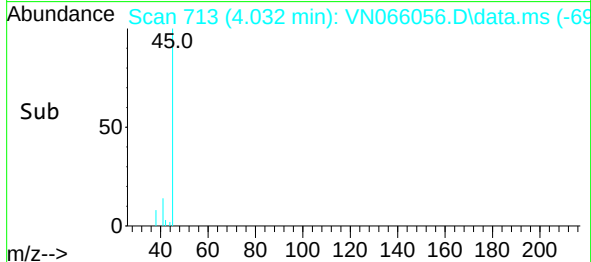
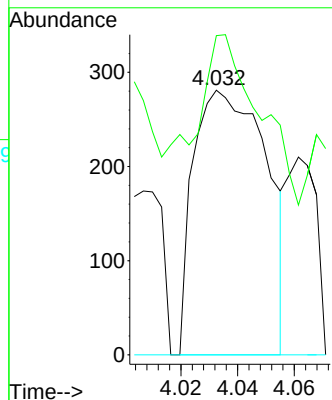
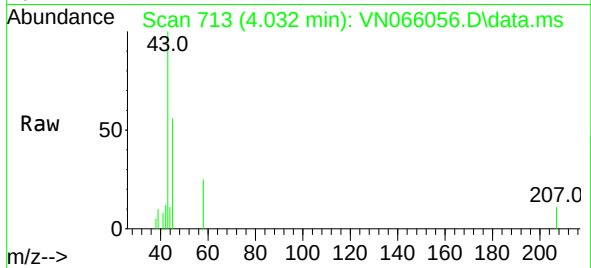




#14
Allyl chloride
Concen: 0.24 ug/l
RT: 4.032 min Scan# 713
Delta R.T. -0.245 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

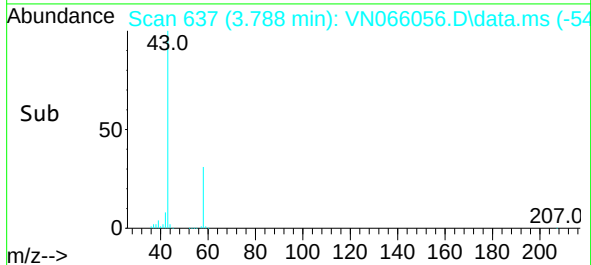
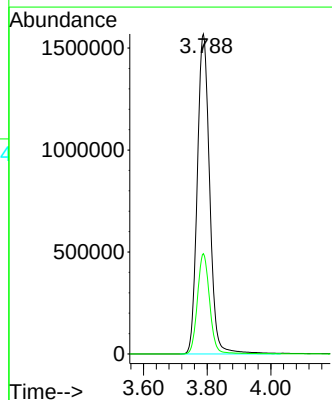
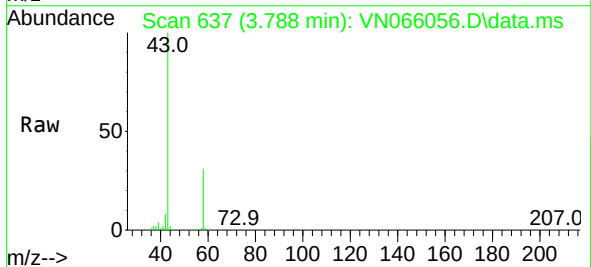
Instrument :
MSVOA_N
ClientSampled :
41698

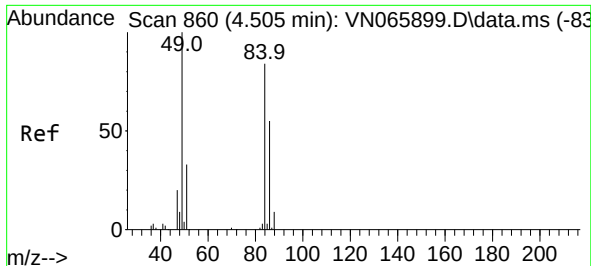
Tgt Ion: 41	Resp: 503
Ion Ratio	Lower Upper
41	100
39	62.2 53.0 79.4
76	0.0 28.9 43.3#



#16
Acetone
Concen: 8836.28 ug/l
RT: 3.788 min Scan# 637
Delta R.T. 0.000 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

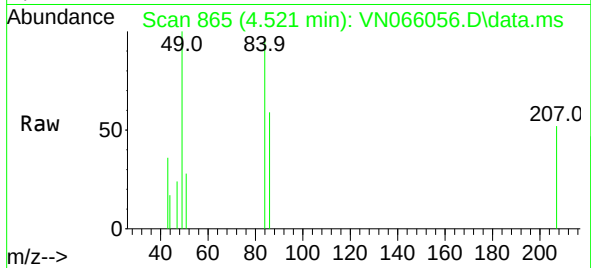
Tgt Ion: 43	Resp: 4249462
Ion Ratio	Lower Upper
43	100
58	31.3 27.0 40.6



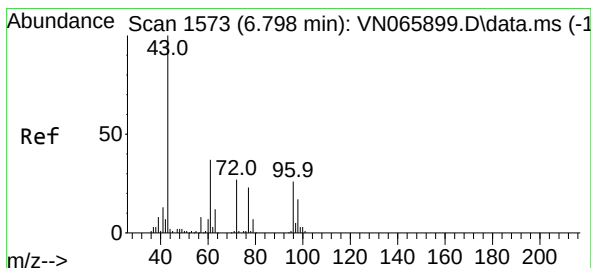
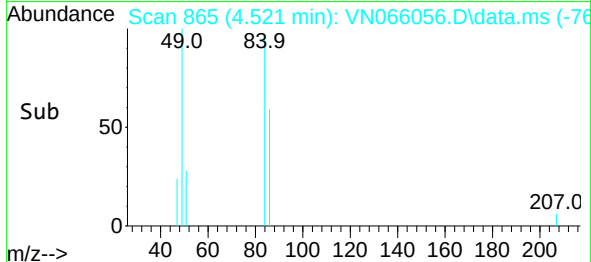
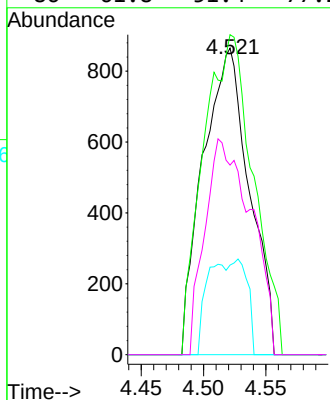


#20
Methylene Chloride
Concen: 1.56 ug/l
RT: 4.521 min Scan# 865
Delta R.T. 0.016 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

Instrument :
MSVOA_N
ClientSampled :
41698

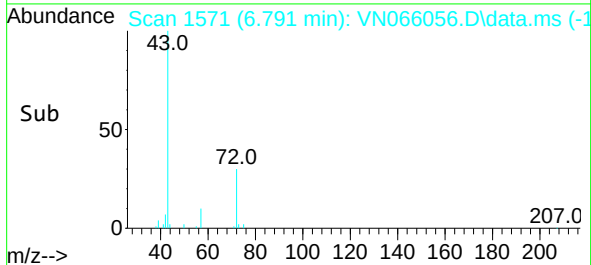
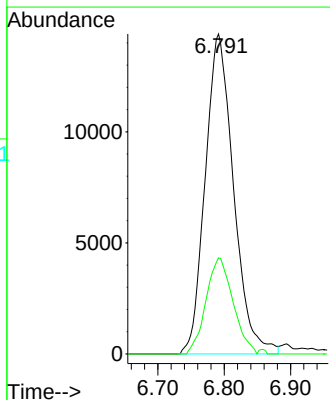
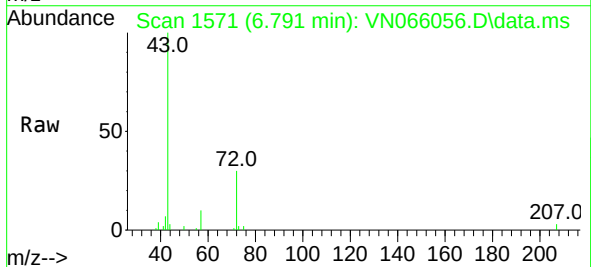


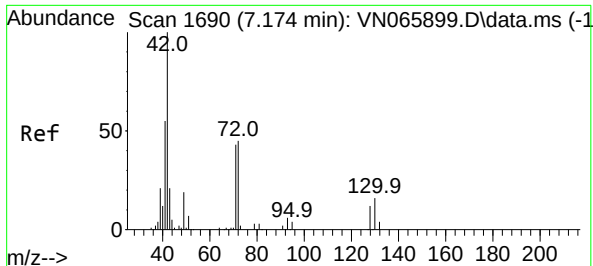
Tgt Ion: 84	Resp: 2235
Ion Ratio	Lower Upper
84 100	
49 104.4	94.6 141.8
51 29.2	29.9 44.9#
86 61.8	51.4 77.2



#25
2-Butanone
Concen: 56.07 ug/l
RT: 6.791 min Scan# 1571
Delta R.T. -0.007 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

Tgt Ion: 43	Resp: 42758
Ion Ratio	Lower Upper
43 100	
72 30.1	23.1 34.7





#29

Tetrahydrofuran

Concen: 206.73 ug/l

RT: 7.171 min Scan# 1689

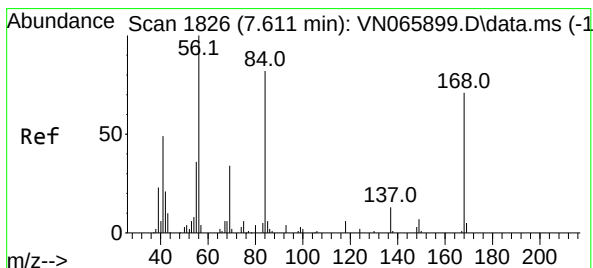
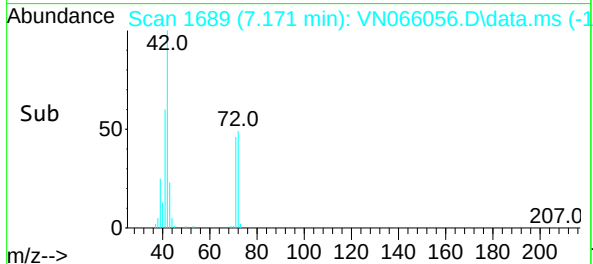
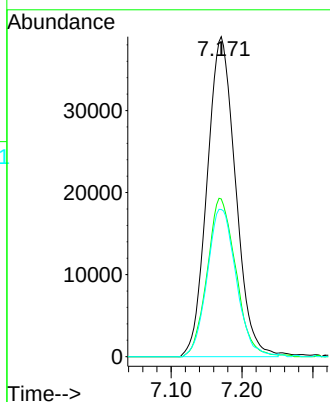
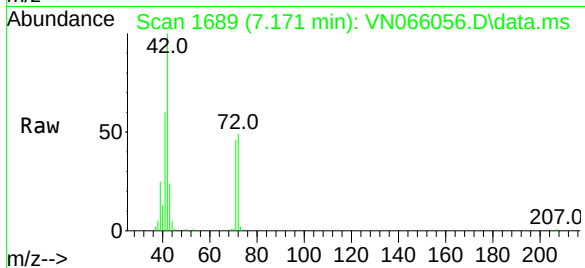
Delta R.T. -0.003 min

Lab File: VN066056.D

Acq: 26 Feb 2021 17:06

Tgt Ion: 42 Resp: 108531

Ion	Ratio	Lower	Upper
42	100		
72	49.9	36.6	55.0
71	47.2	34.3	51.5



#31

Cyclohexane

Concen: 0.88 ug/l

RT: 7.630 min Scan# 1832

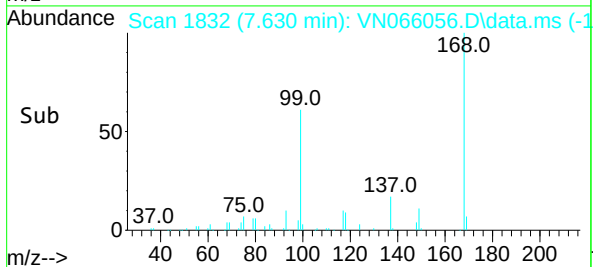
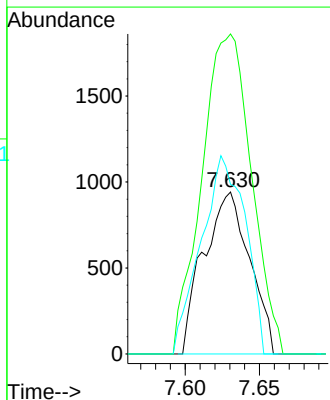
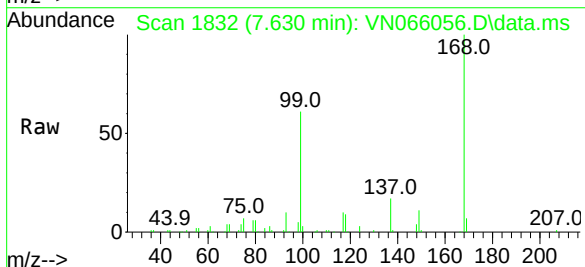
Delta R.T. 0.019 min

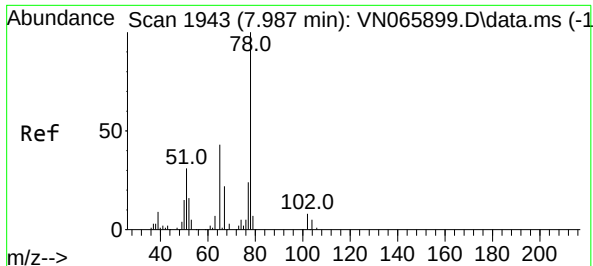
Lab File: VN066056.D

Acq: 26 Feb 2021 17:06

Tgt Ion: 56 Resp: 2030

Ion	Ratio	Lower	Upper
56	100		
69	181.4	26.6	39.8#
84	104.7	70.4	105.6

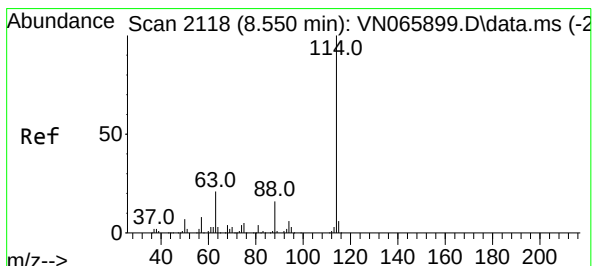
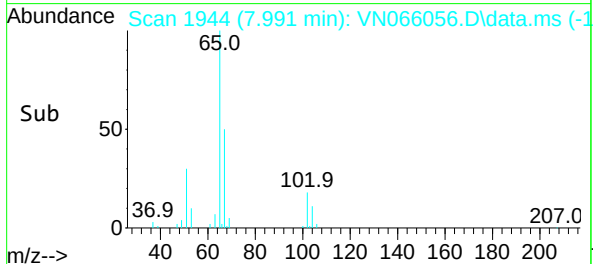
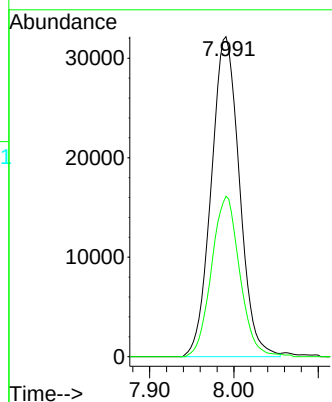
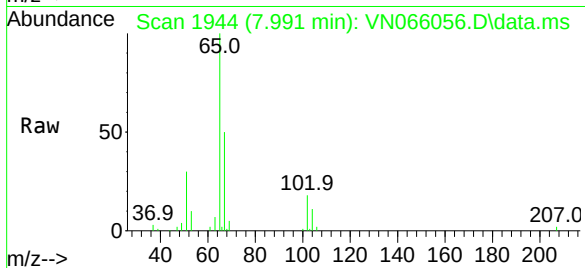




#33
1,2-Dichloroethane-d4
Concen: 48.53 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.004 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

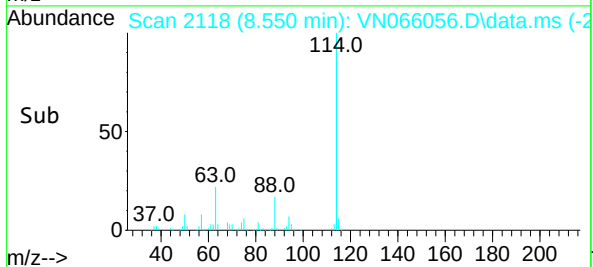
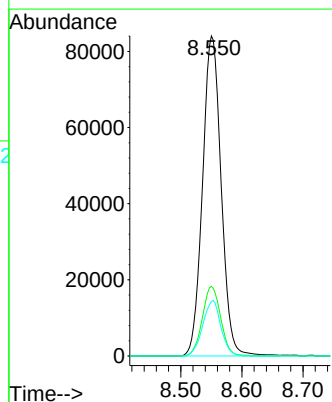
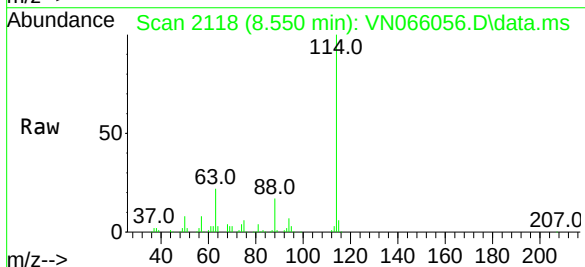
Instrument :
MSVOA_N
ClientSampled :
41698

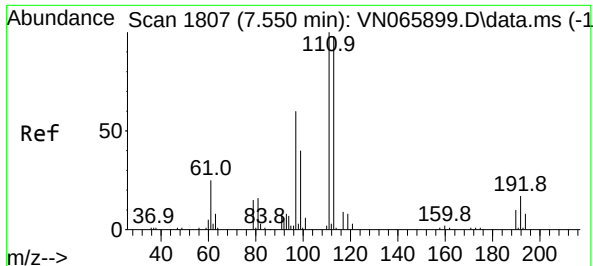
Tgt Ion: 65 Resp: 74766
Ion Ratio Lower Upper
65 100
67 50.2 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

Tgt Ion: 114 Resp: 177907
Ion Ratio Lower Upper
114 100
63 21.7 0.0 38.6
88 17.1 0.0 30.6



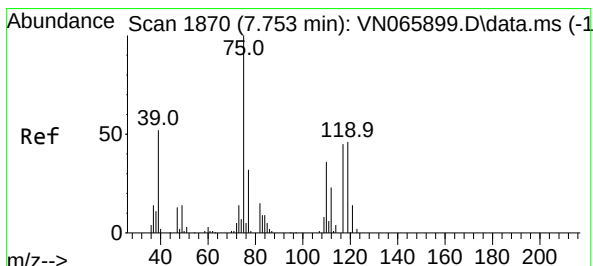
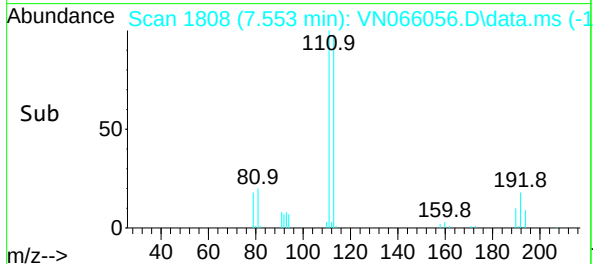
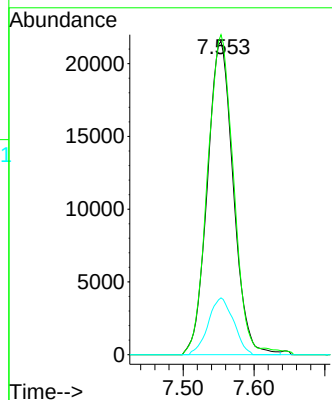
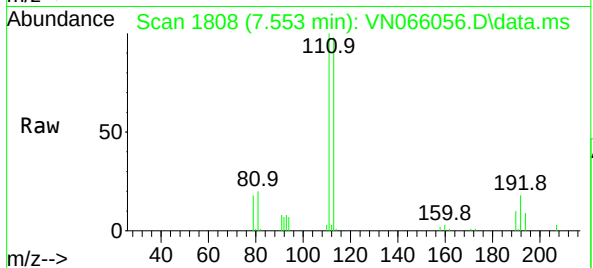


#35

Dibromofluoromethane
Concen: 49.74 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

Instrument :
MSVOA_N
ClientSampled :
41698

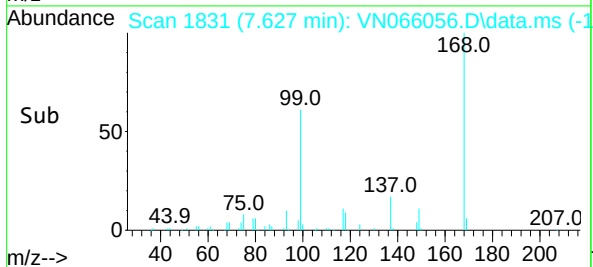
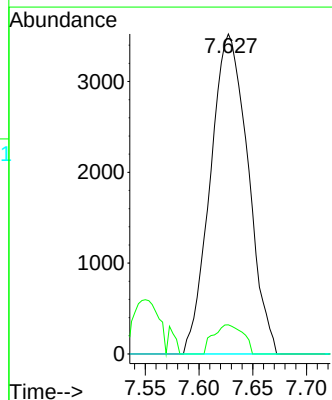
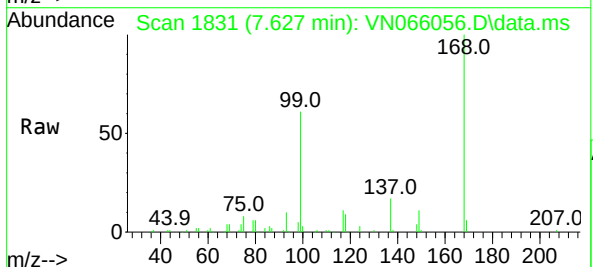
Tgt Ion:113 Resp: 54770
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 17.7 15.4 23.0

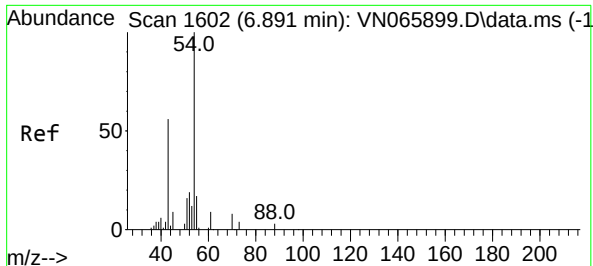


#36

1,1-Dichloropropene
Concen: 4.88 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

Tgt Ion: 75 Resp: 8559
Ion Ratio Lower Upper
75 100
110 7.2 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 26.99 ug/l

RT: 6.791 min Scan# 1571

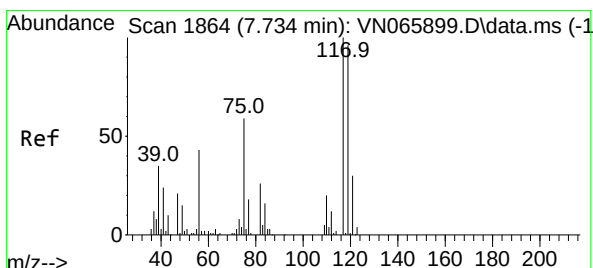
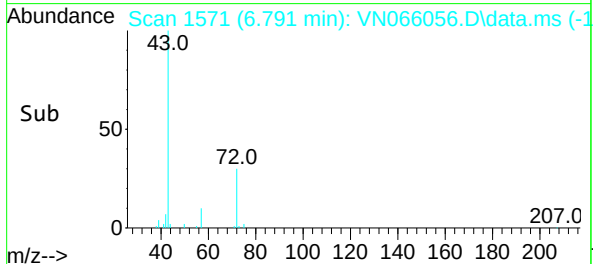
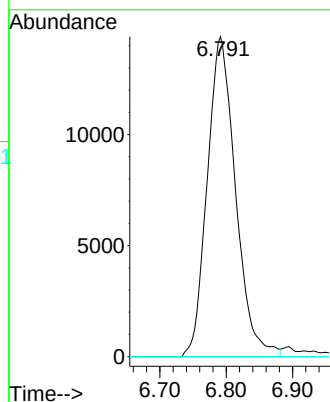
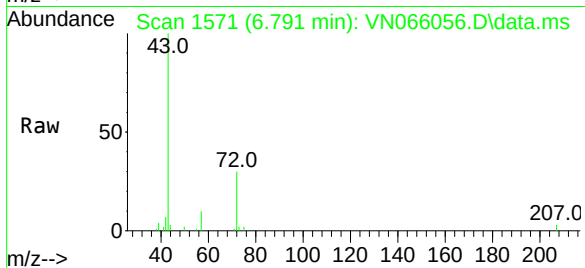
Delta R.T. -0.100 min

Lab File: VN066056.D

Acq: 26 Feb 2021 17:06

Instrument :
MSVOA_N
ClientSampled :
41698

Tgt Ion:	43	Resp:	42758
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 7.00 ug/l

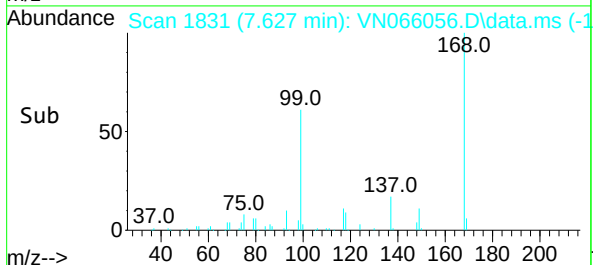
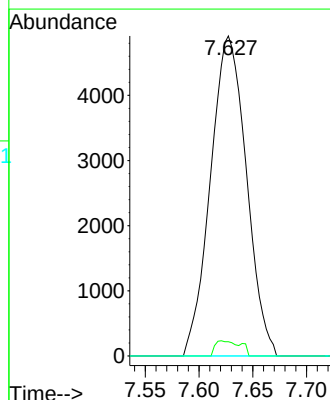
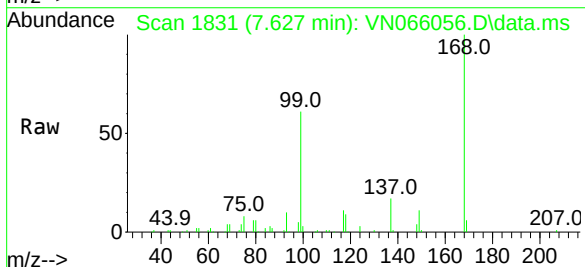
RT: 7.627 min Scan# 1831

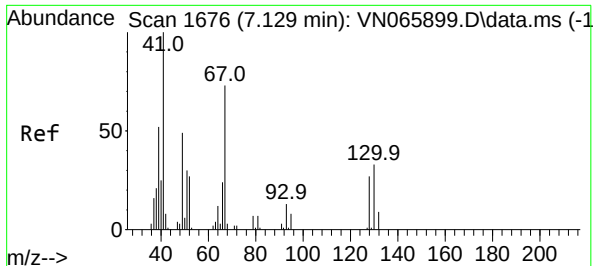
Delta R.T. -0.107 min

Lab File: VN066056.D

Acq: 26 Feb 2021 17:06

Tgt Ion:	117	Resp:	11418
Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.0	114.0#
121	0.0	24.5	36.7#

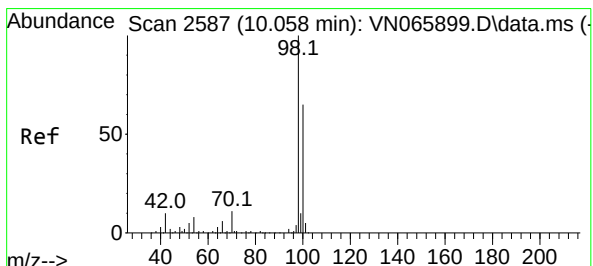
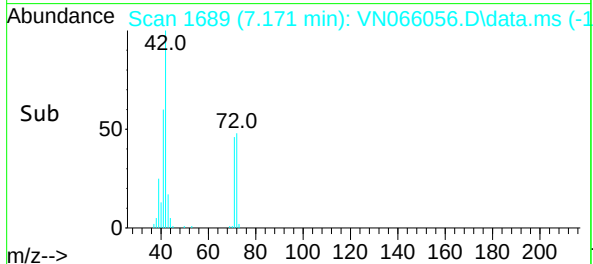
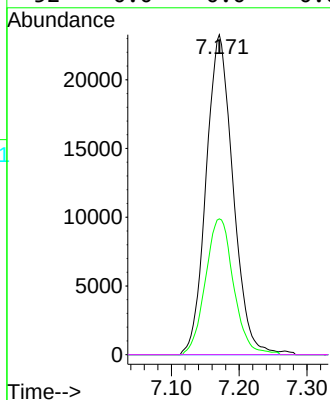
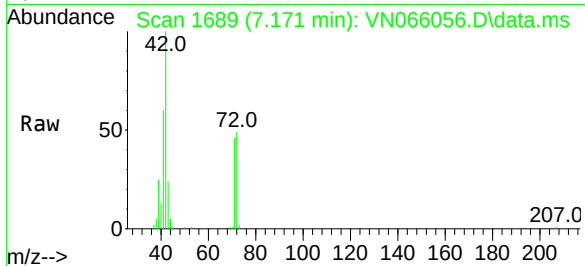




#41
Methacrylonitrile
Concen: 83.65 ug/l
RT: 7.171 min Scan# 1689
Delta R.T. 0.042 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

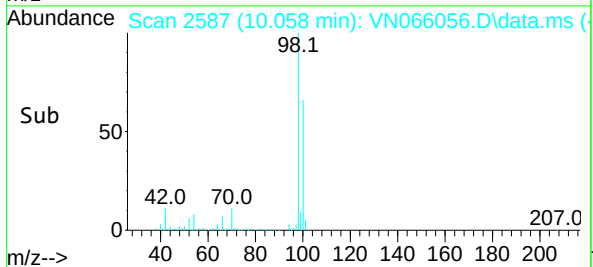
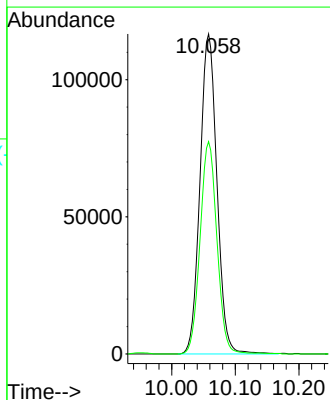
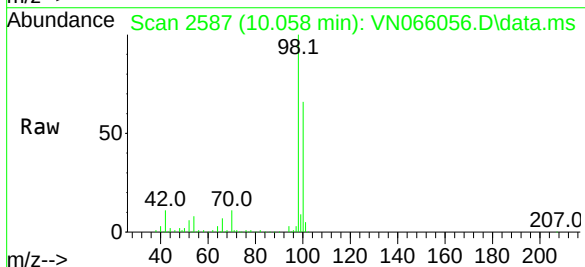
Instrument :
MSVOA_N
ClientSampled :
41698

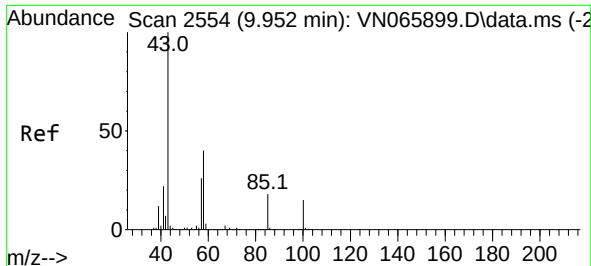
Tgt Ion:	41	Resp:	64145
Ion	Ratio	Lower	Upper
41	100		
39	44.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#50
Toluene-d8
Concen: 47.76 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

Tgt Ion:	98	Resp:	215840
Ion	Ratio	Lower	Upper
98	100		
100	65.8	50.5	75.7

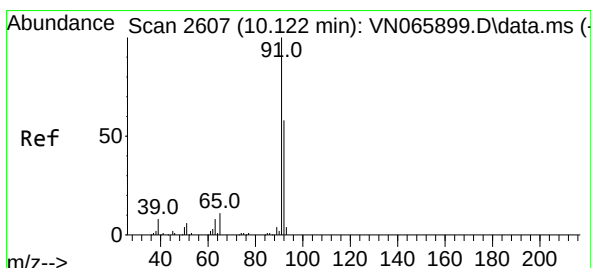
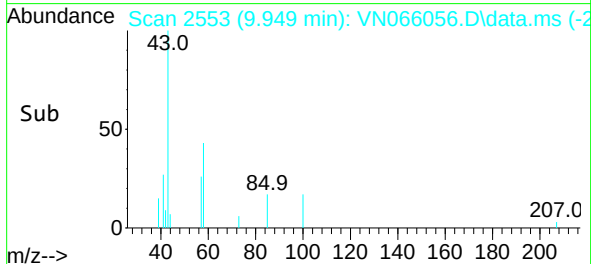
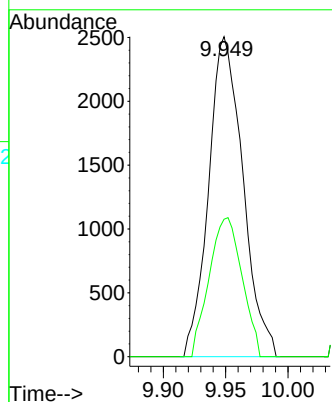
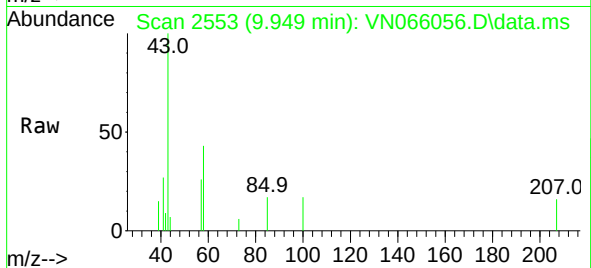




#51
4-Methyl-2-Pentanone
Concen: 3.12 ug/l
RT: 9.949 min Scan# 2553
Delta R.T. -0.003 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

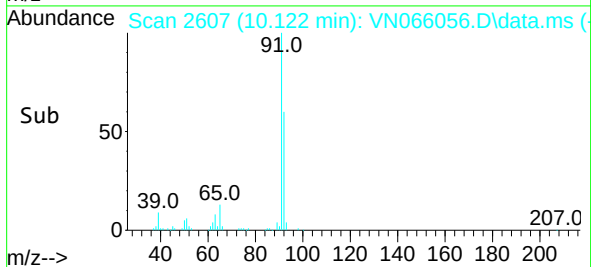
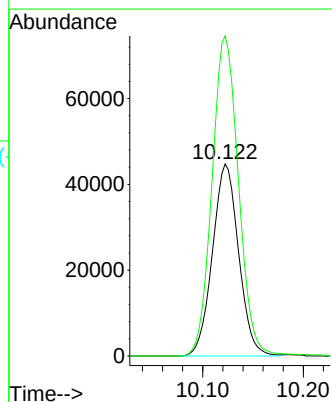
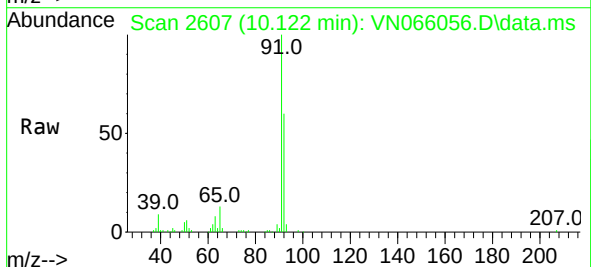
Instrument :
MSVOA_N
ClientSampleId :
41698

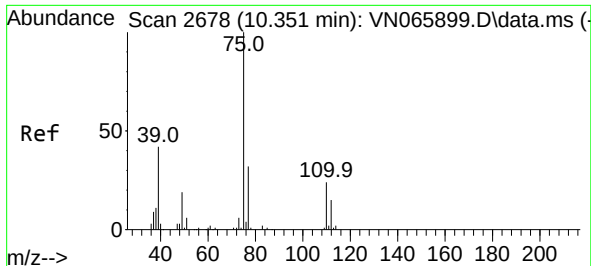
Tgt Ion: 43 Resp: 4795
Ion Ratio Lower Upper
43 100
58 41.6 32.5 48.7



#52
Toluene
Concen: 24.45 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

Tgt Ion: 92 Resp: 80815
Ion Ratio Lower Upper
92 100
91 169.4 140.7 211.1

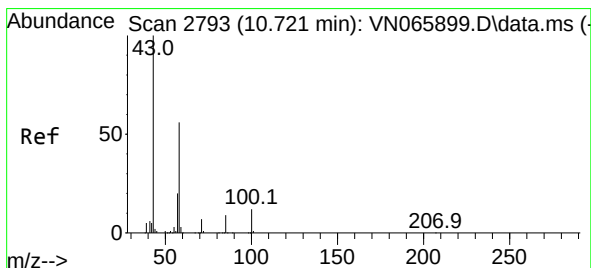
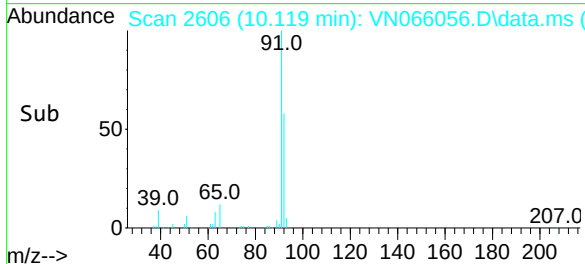
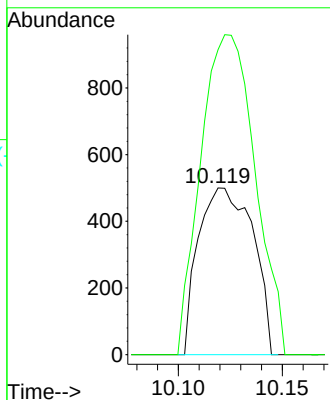
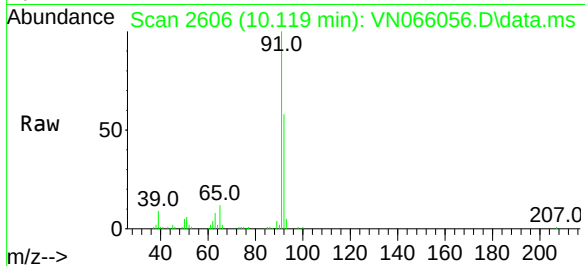




#53
t-1,3-Dichloropropene
Concen: 2.40 ug/l
RT: 10.119 min Scan# 2606
Delta R.T. -0.232 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

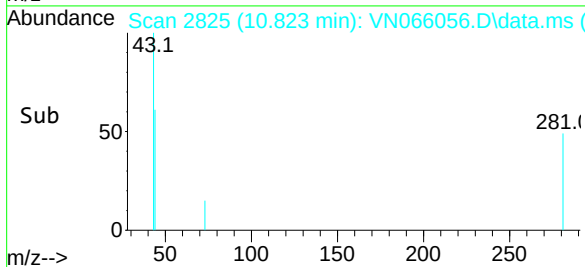
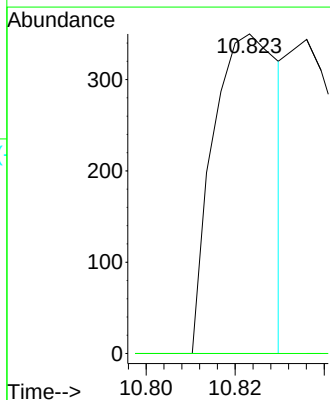
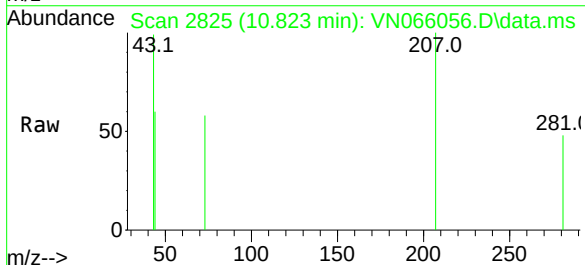
Instrument :
MSVOA_N
ClientSampled :
41698

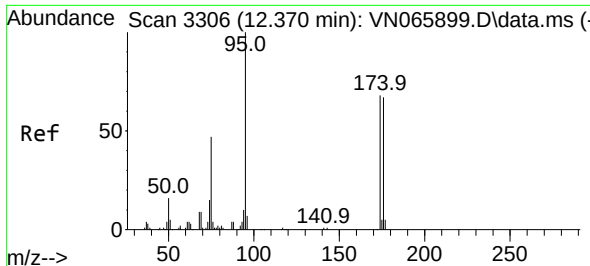
Tgt Ion: 75 Resp: 911
Ion Ratio Lower Upper
75 100
77 183.0 26.2 39.4#



#59
2-Hexanone
Concen: 0.32 ug/l
RT: 10.823 min Scan# 2825
Delta R.T. 0.102 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

Tgt Ion: 43 Resp: 353
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

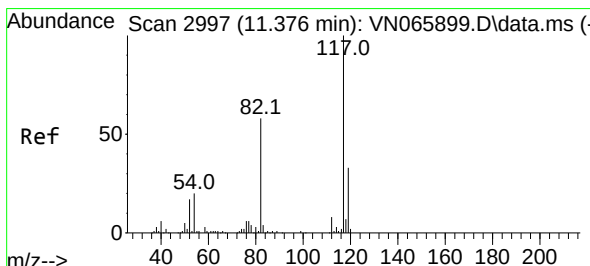
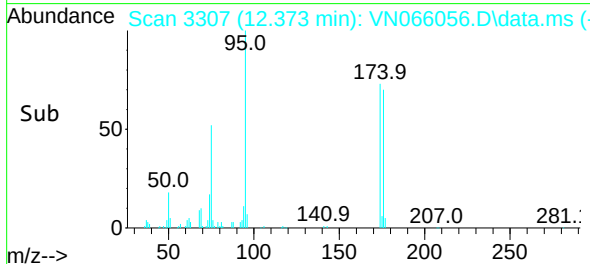
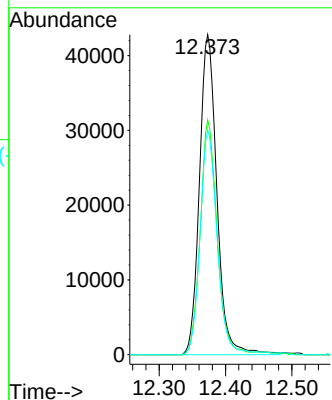
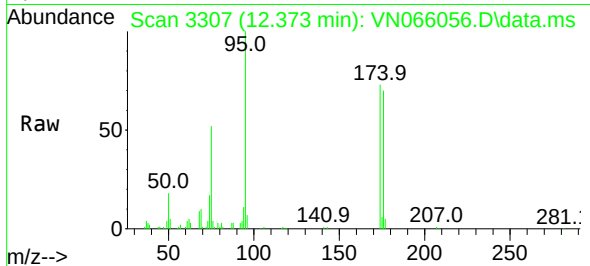




#62
4-Bromofluorobenzene
Concen: 46.04 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

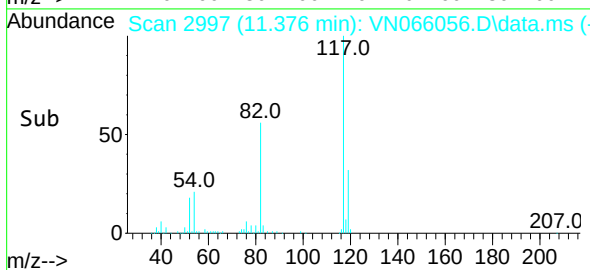
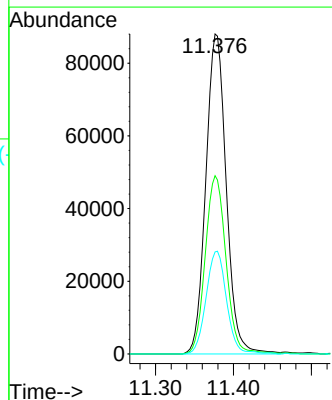
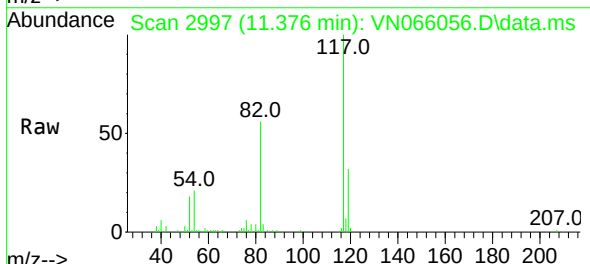
Instrument :
MSVOA_N
ClientSampleId :
41698

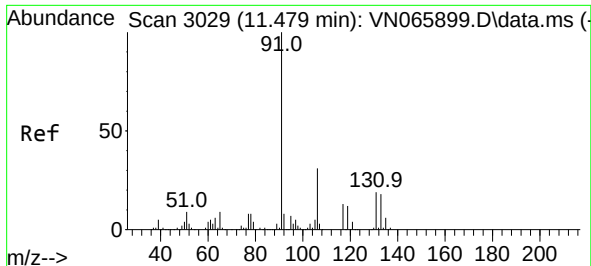
Tgt Ion: 95 Resp: 78121
Ion Ratio Lower Upper
95 100
174 70.7 0.0 169.0
176 68.6 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

Tgt Ion: 117 Resp: 160127
Ion Ratio Lower Upper
117 100
82 55.7 43.7 65.5
119 31.9 26.1 39.1

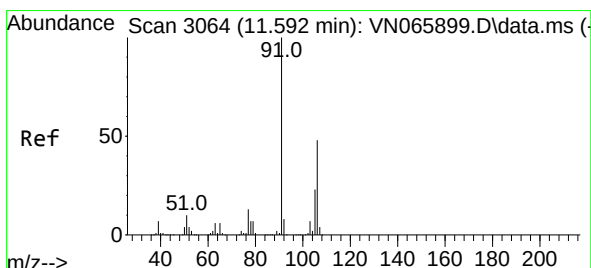
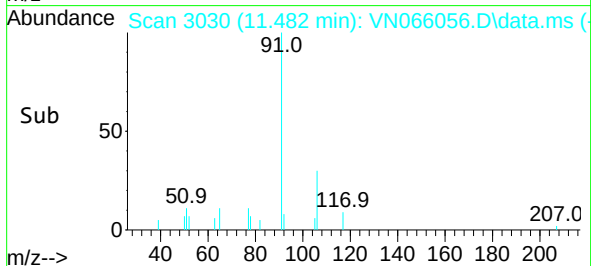
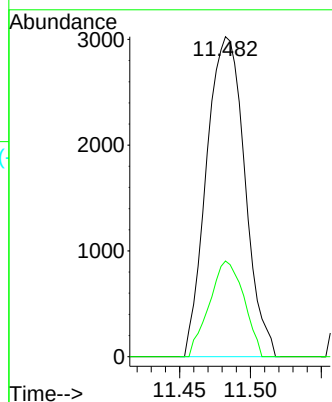
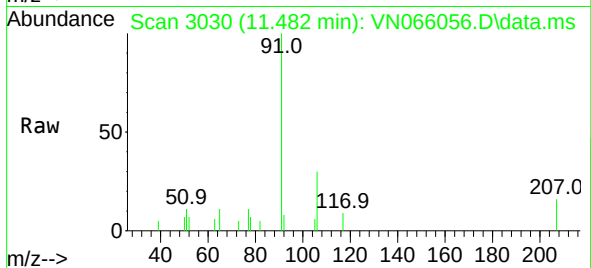




#67
Ethyl Benzene
Concen: 0.94 ug/l
RT: 11.482 min Scan# 3030
Delta R.T. 0.003 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

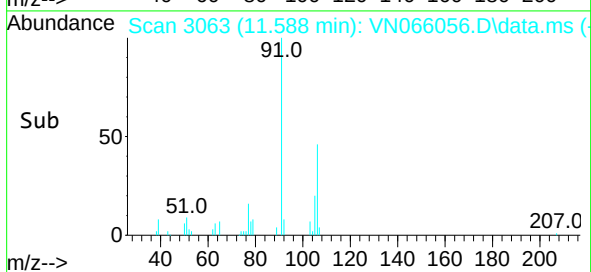
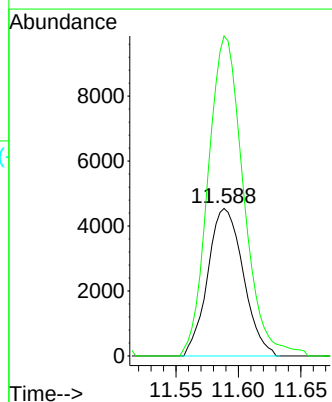
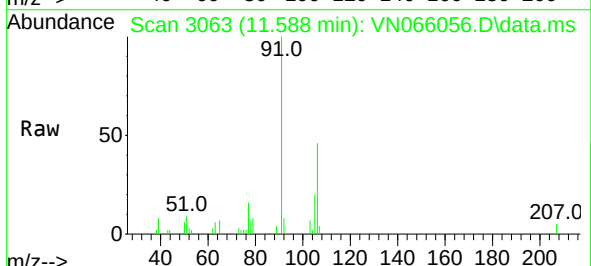
Instrument :
MSVOA_N
ClientSampled :
41698

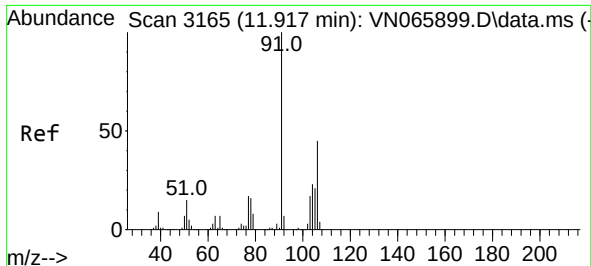
Tgt Ion: 91 Resp: 5680
Ion Ratio Lower Upper
91 100
106 29.9 25.5 38.3



#68
m/p-Xylenes
Concen: 3.98 ug/l
RT: 11.588 min Scan# 3063
Delta R.T. -0.004 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

Tgt Ion:106 Resp: 9009
Ion Ratio Lower Upper
106 100
91 215.9 161.4 242.0

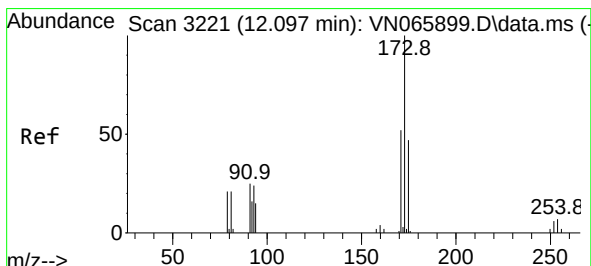
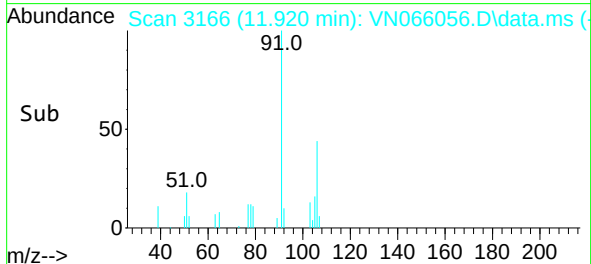
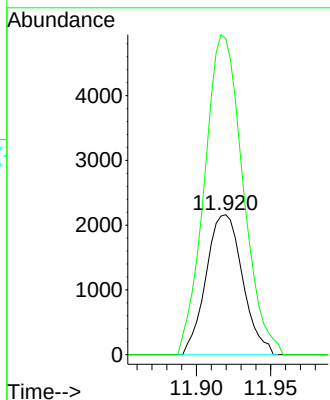
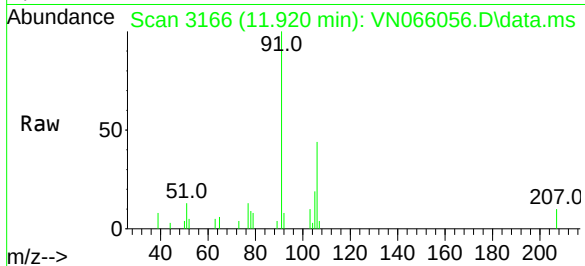




#69
o-Xylene
Concen: 1.70 ug/l
RT: 11.920 min Scan# 3166
Delta R.T. 0.003 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

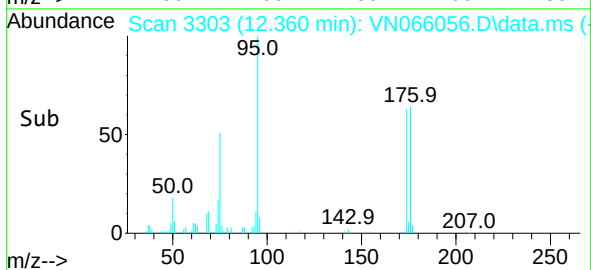
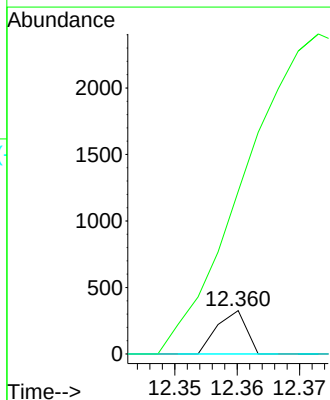
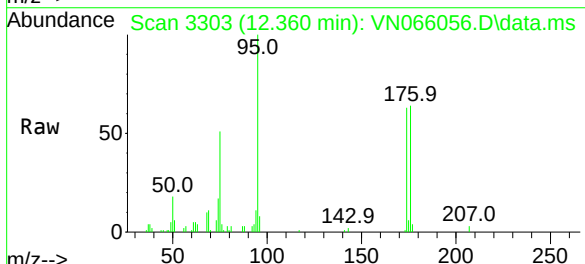
Instrument :
MSVOA_N
ClientSampled :
41698

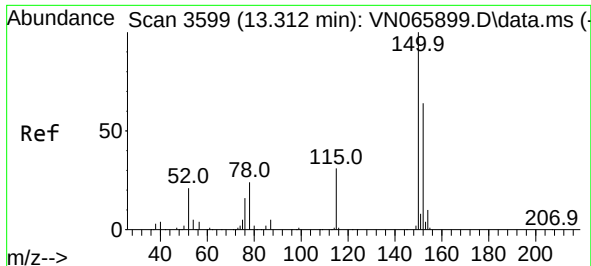
Tgt Ion:106 Resp: 3699
Ion Ratio Lower Upper
106 100
91 239.8 106.8 320.4



#71
Bromoform
Concen: 2.61 ug/l
RT: 12.360 min Scan# 3303
Delta R.T. 0.263 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

Tgt Ion:173 Resp: 105
Ion Ratio Lower Upper
173 100
175 3195.2 23.8 71.2#
254 0.0 0.0 0.0

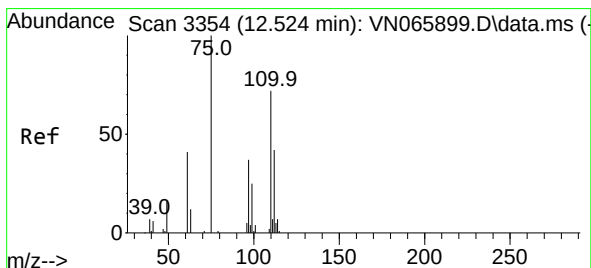
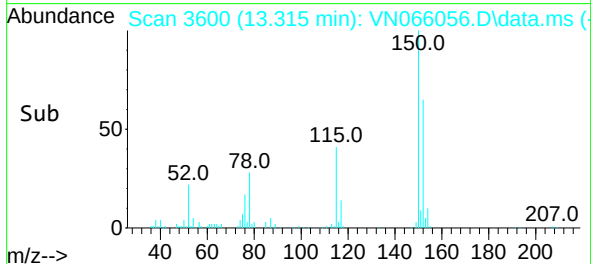
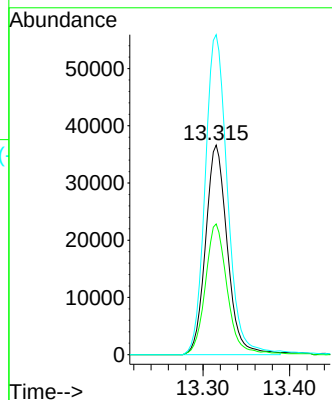
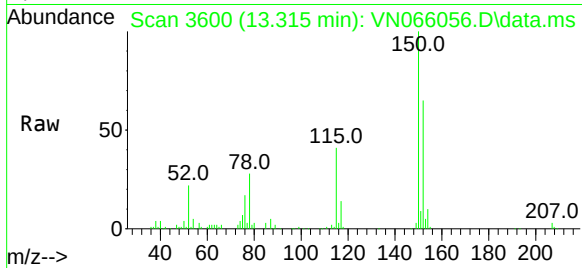




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.315 min Scan# 3600
 Delta R.T. 0.003 min
 Lab File: VN066056.D
 Acq: 26 Feb 2021 17:06

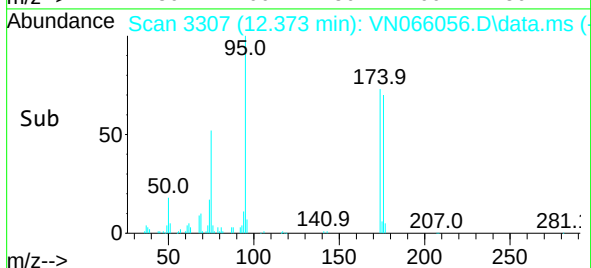
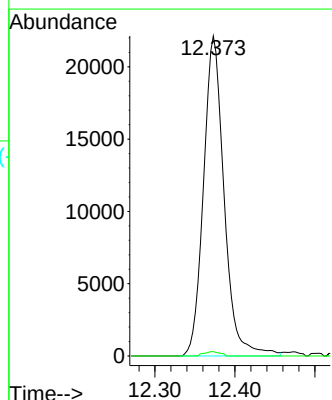
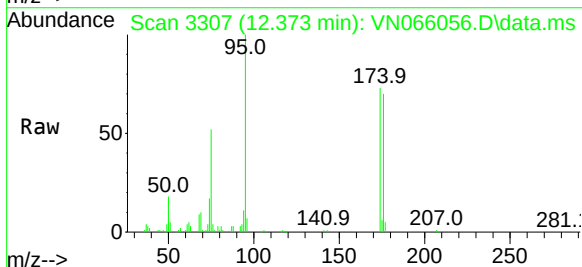
Instrument :
 MSVOA_N
 ClientSampled :
 41698

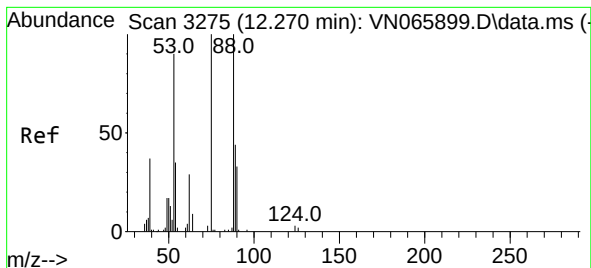
Tgt Ion:152 Resp: 64047
 Ion Ratio Lower Upper
 152 100
 115 62.9 28.5 85.6
 150 155.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 25.81 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. -0.151 min
 Lab File: VN066056.D
 Acq: 26 Feb 2021 17:06

Tgt Ion: 75 Resp: 39711
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

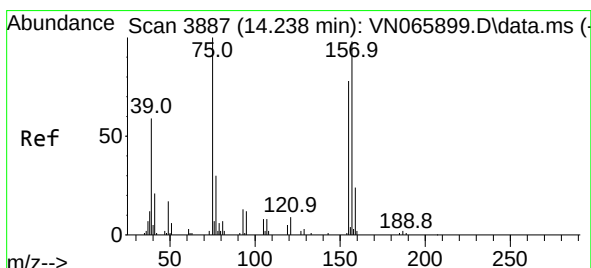
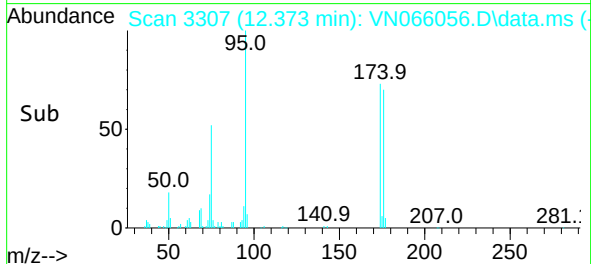
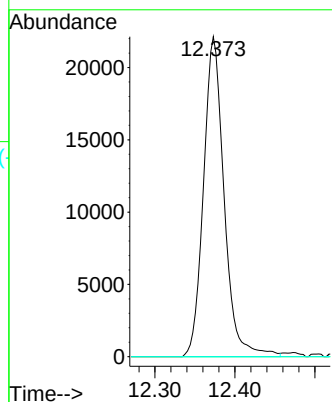
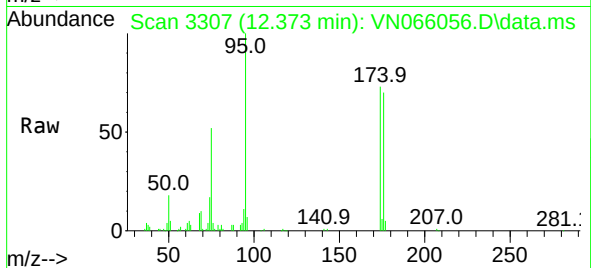




#81
trans-1,4-Dichloro-2-butene
Concen: 82.25 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

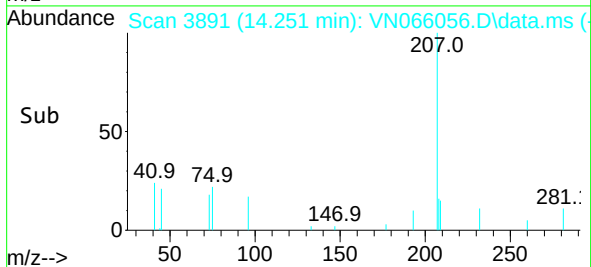
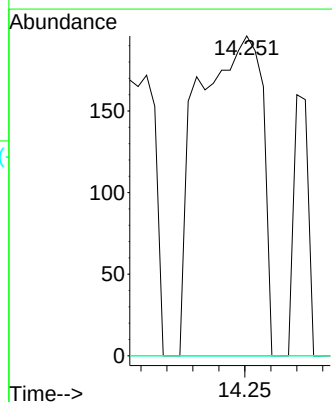
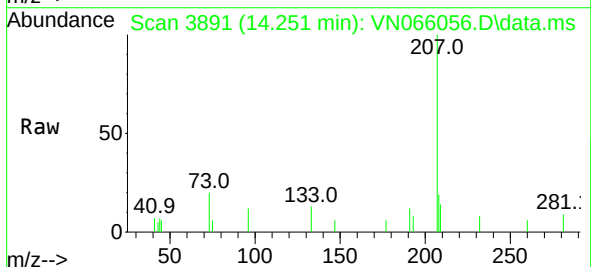
Instrument :
MSVOA_N
ClientSampled :
41698

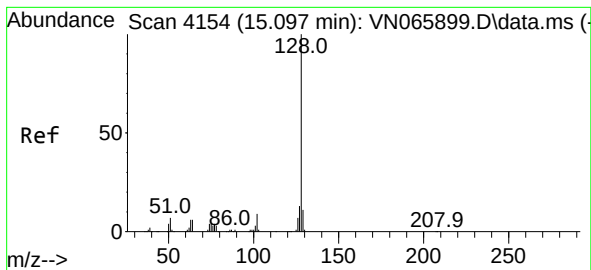
Tgt Ion: 75 Resp: 39711
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.93 ug/l
RT: 14.251 min Scan# 3891
Delta R.T. 0.013 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

Tgt Ion: 75 Resp: 336
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#





#95
Naphthalene
Concen: 3.35 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.006 min
Lab File: VN066056.D
Acq: 26 Feb 2021 17:06

Instrument :
MSVOA_N
ClientSampleId :
41698

Tgt Ion:128 Resp: 1161
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

