

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122820\
 Data File : VN065291.D
 Acq On : 28 Dec 2020 17:20
 Operator : JC/MD
 Sample : L5218-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 29 02:23:40 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

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

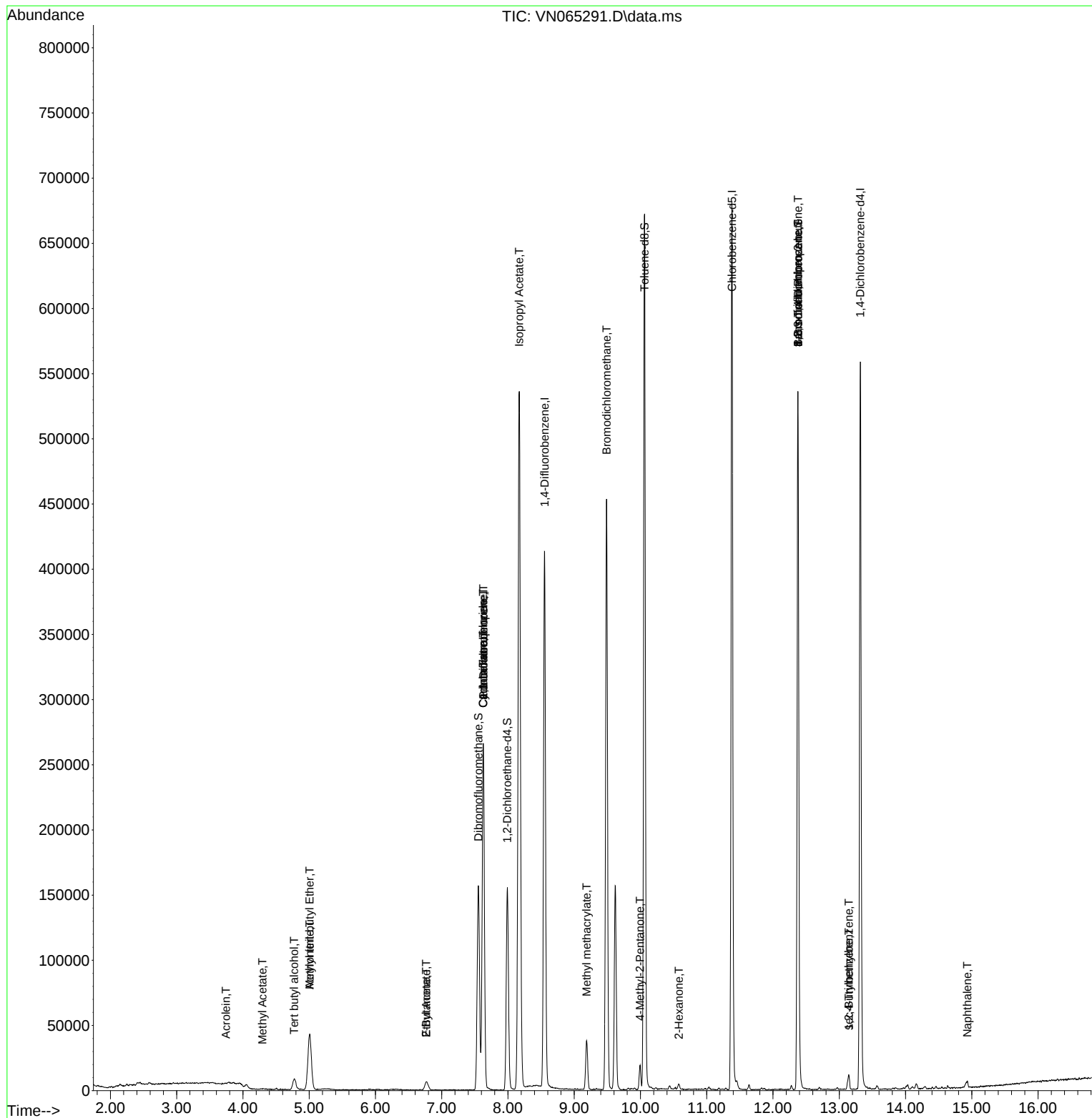
Internal Standards						
1) Pentafluorobenzene	7.627	168	239019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	389671	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	411675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	167550	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	138227	51.23	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.46%			
35) Dibromofluoromethane	7.553	113	119221	50.71	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.42%			
50) Toluene-d8	10.061	98	486980	55.27	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 110.54%			
62) 4-Bromofluorobenzene	12.376	95	187138	53.32	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 106.64%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.772	59	16816	38.09	ug/l #	85
13) Acrolein	3.743	56	29	2.51	ug/l #	14
15) Acrylonitrile	5.007	53	532	0.50	ug/l #	36
16) Acetone	3.775	43	377	Below Cal	#	46
18) Methyl Acetate	4.293	43	712	0.29	ug/l #	50
19) Methyl tert-butyl Ether	5.007	73	76868	10.31	ug/l	97
25) 2-Butanone	6.766	43	4080	2.69	ug/l #	49
31) Cyclohexane	7.624	56	3994	1.00	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	15257	4.31	ug/l #	50
37) Ethyl Acetate	6.766	43	4080	1.16	ug/l #	66
38) Carbon Tetrachloride	7.624	117	20366	5.47	ug/l #	16
43) Isopropyl Acetate	8.171	43	112614	18.61	ug/l #	59
47) Bromodichloromethane	9.489	83	2976	0.76	ug/l #	24
48) Methyl methacrylate	9.187	41	10709	3.64	ug/l #	30
51) 4-Methyl-2-Pentanone	9.994	43	2267	0.67	ug/l #	69
59) 2-Hexanone	10.579	43	3087	1.23	ug/l	67
71) Bromoform	12.376	173	1151	0.41	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	94204	27.56	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	94204	69.49	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.145	105	7942	0.75	ug/l #	30
85) sec-Butylbenzene	13.145	105	7942	0.65	ug/l #	77
95) Naphthalene	14.932	128	412	3.42	ug/l #	1

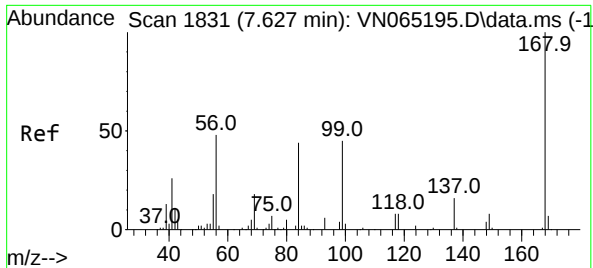
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 22 15:42:18 2020
Response via : Initial Calibration

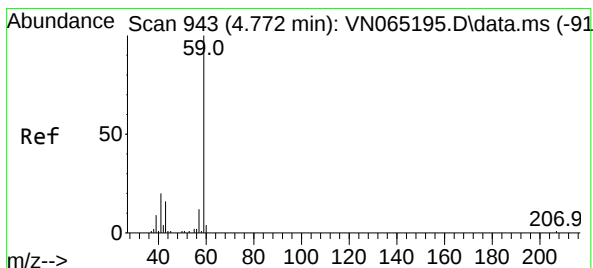
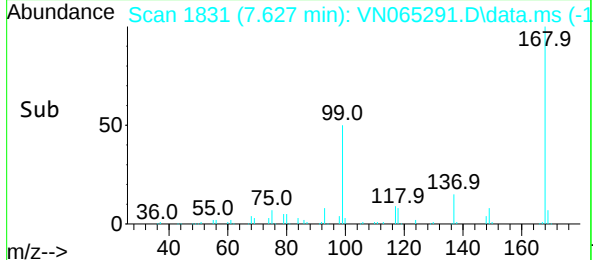
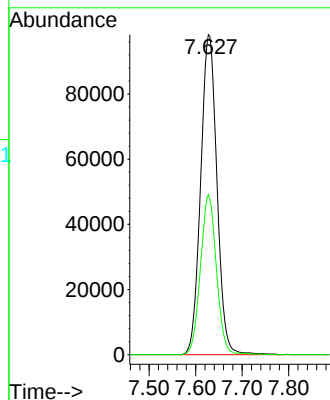
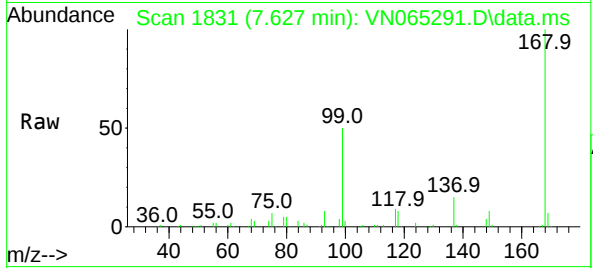




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

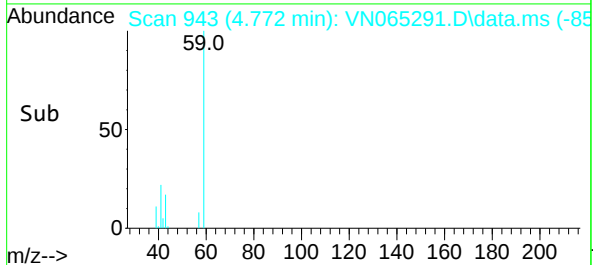
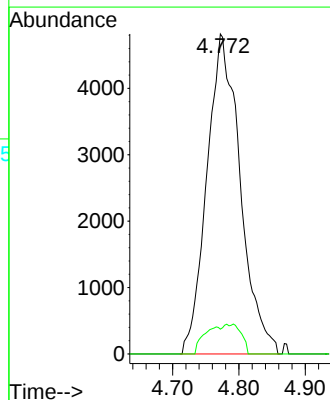
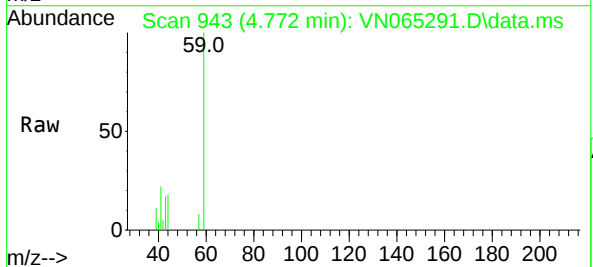
Instrument :
MSVOA_N
ClientSampled :

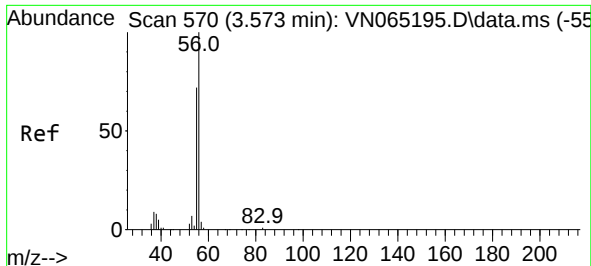
Tgt Ion:168 Resp: 239019
Ion Ratio Lower Upper
168 100
99 50.0 43.0 64.4



#11
Tert butyl alcohol
Concen: 38.09 ug/l
RT: 4.772 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

Tgt Ion: 59 Resp: 16816
Ion Ratio Lower Upper
59 100
57 4.4 7.9 11.9#

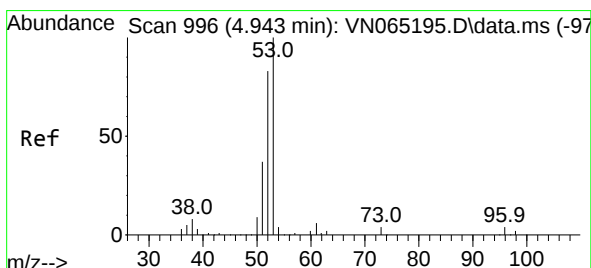
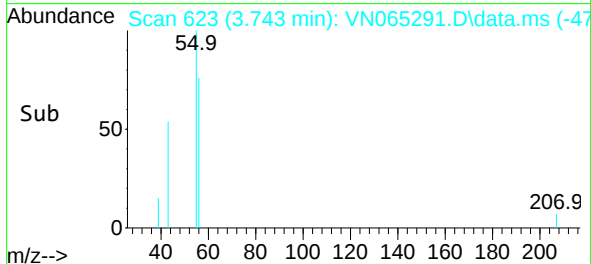
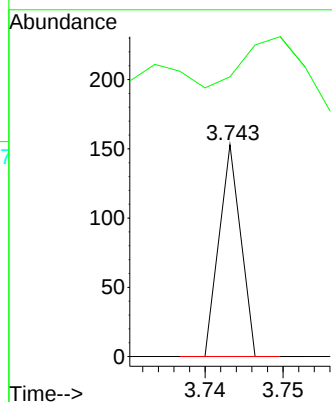
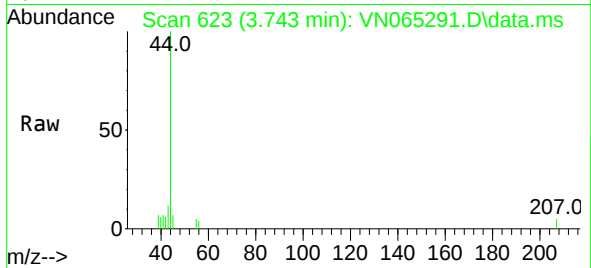




#13
Acrolein
Concen: 2.51 ug/l
RT: 3.743 min Scan# 623
Delta R.T. 0.170 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

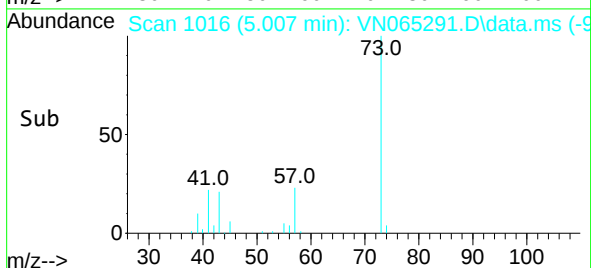
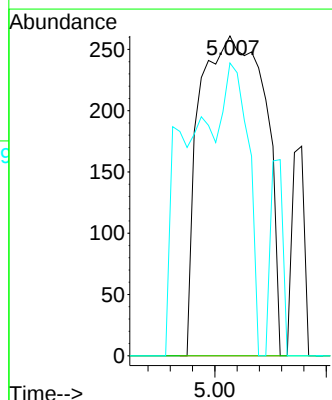
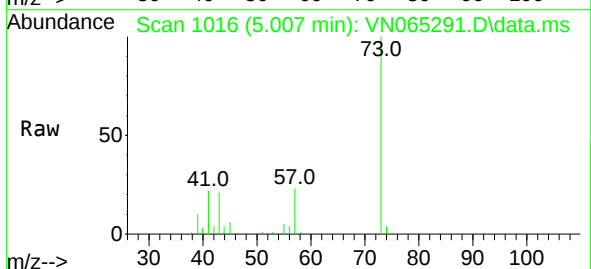
Instrument :
MSVOA_N
ClientSampleId :

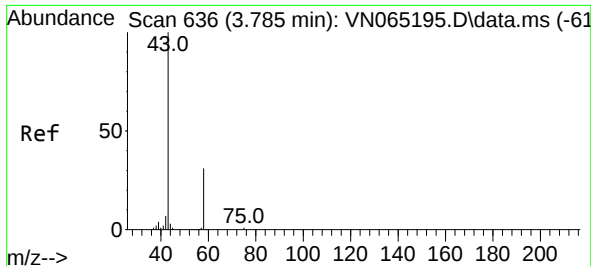
Tgt Ion: 56 Resp: 29
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#



#15
Acrylonitrile
Concen: 0.50 ug/l
RT: 5.007 min Scan# 1016
Delta R.T. 0.064 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

Tgt Ion: 53 Resp: 532
Ion Ratio Lower Upper
53 100
52 0.0 65.5 98.3#
51 37.0 28.6 43.0

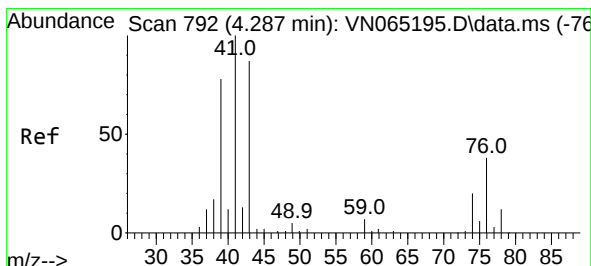
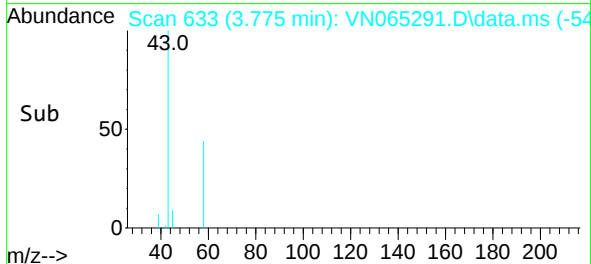
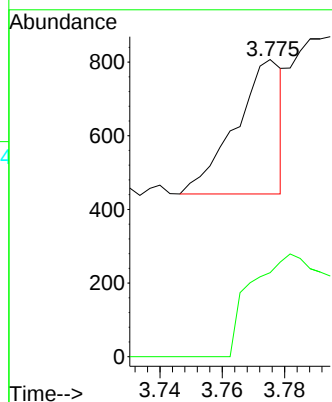
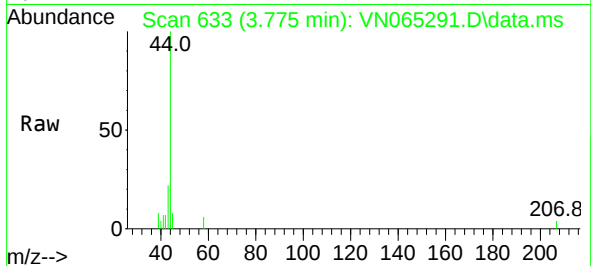




#16
Acetone
Concen: Below Cal
RT: 3.775 min Scan# 633
Delta R.T. -0.010 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

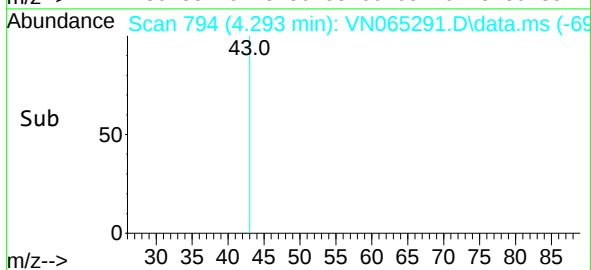
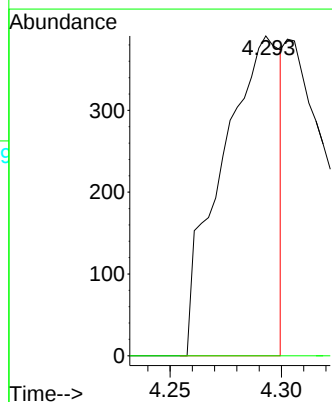
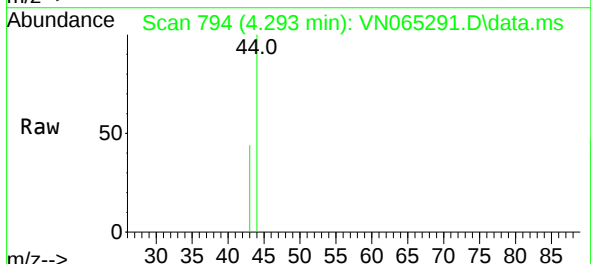
Instrument :
MSVOA_N
ClientSampled :

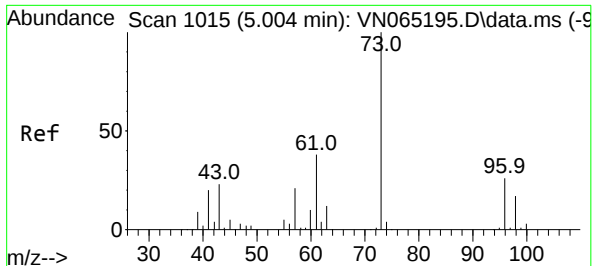
Tgt Ion: 43 Resp: 377
Ion Ratio Lower Upper
43 100
58 62.5 25.7 38.5#



#18
Methyl Acetate
Concen: 0.29 ug/l
RT: 4.293 min Scan# 794
Delta R.T. 0.006 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

Tgt Ion: 43 Resp: 712
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



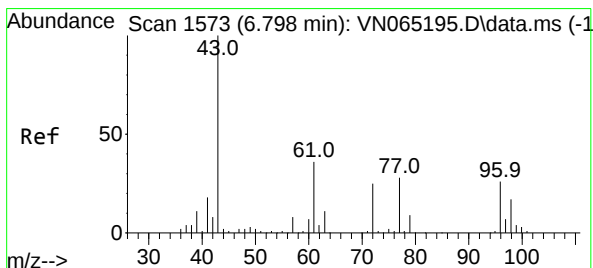
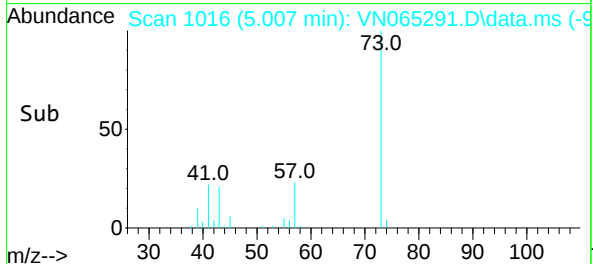
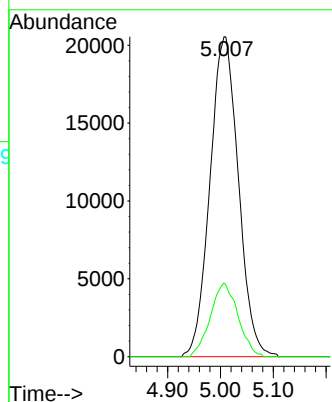
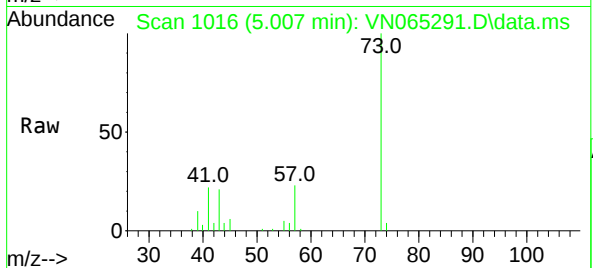


#19

Methyl tert-butyl Ether
Concen: 10.31 ug/l
RT: 5.007 min Scan# 1016
Delta R.T. 0.003 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

Instrument :
MSVOA_N
ClientSampled :

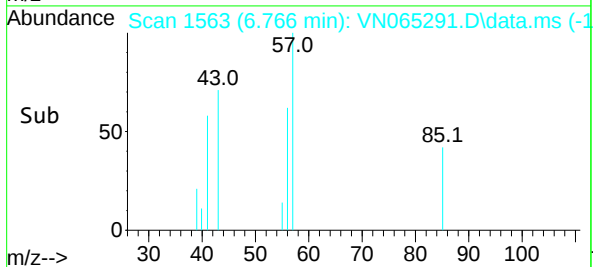
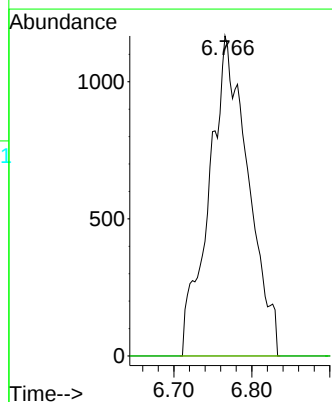
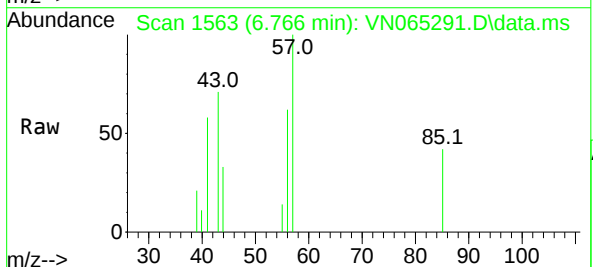
Tgt Ion: 73 Resp: 76868
Ion Ratio Lower Upper
73 100
57 23.0 17.4 26.0

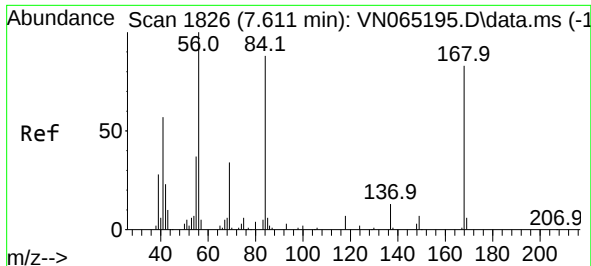


#25

2-Butanone
Concen: 2.69 ug/l
RT: 6.766 min Scan# 1563
Delta R.T. -0.032 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

Tgt Ion: 43 Resp: 4080
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#





#31

Cyclohexane

Concen: 1.00 ug/l

RT: 7.624 min Scan# 1830

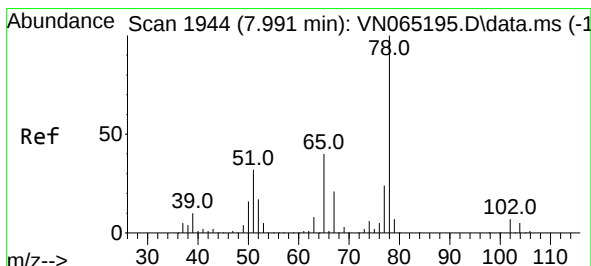
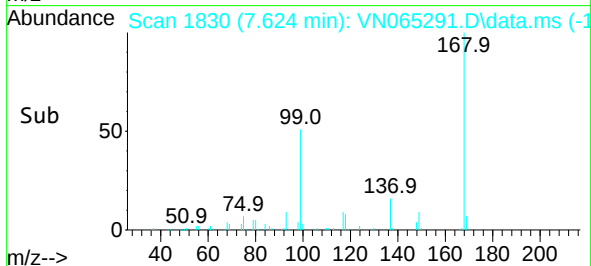
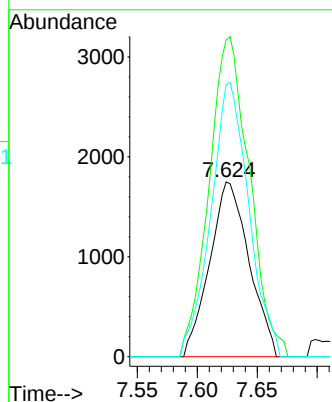
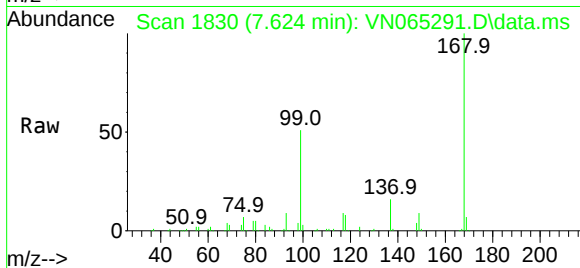
Delta R.T. 0.013 min

Lab File: VN065291.D

Acq: 28 Dec 2020 17:20

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 56	Resp: 3994
Ion Ratio	Lower Upper
56	100
69	181.3 27.5 41.3#
84	155.7 73.9 110.9#



#33

1,2-Dichloroethane-d4

Concen: 51.23 ug/l

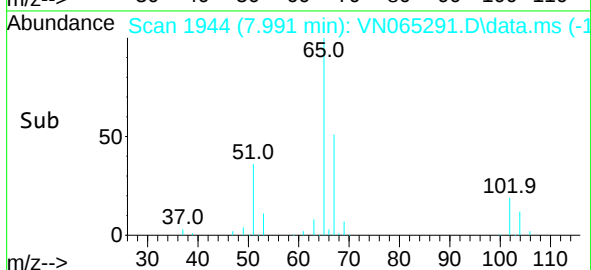
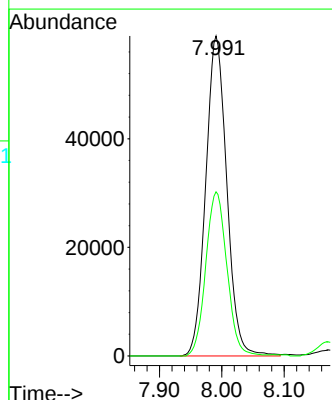
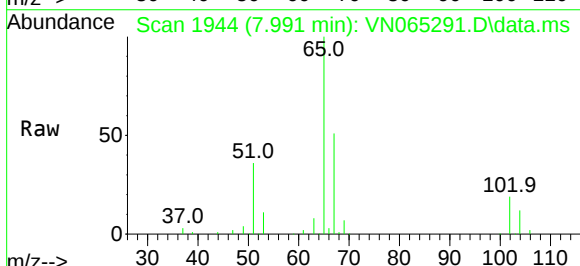
RT: 7.991 min Scan# 1944

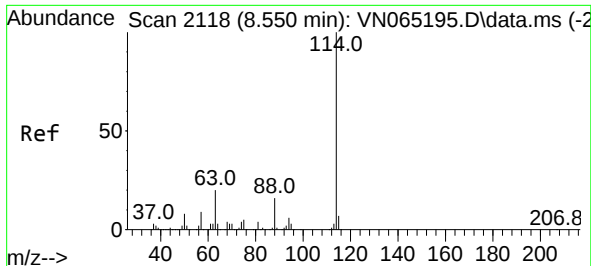
Delta R.T. -0.000 min

Lab File: VN065291.D

Acq: 28 Dec 2020 17:20

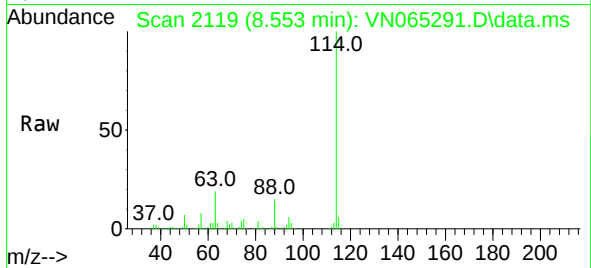
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Ion Ratio	Lower Upper
65	100
67	51.5 0.0 108.2



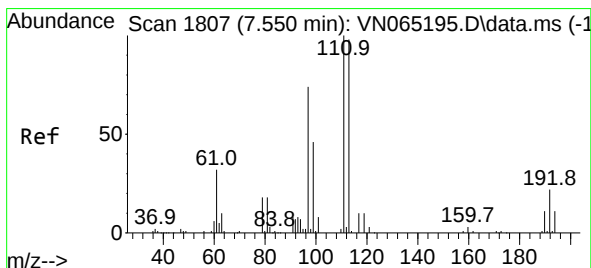
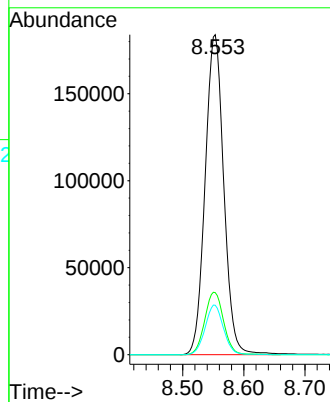
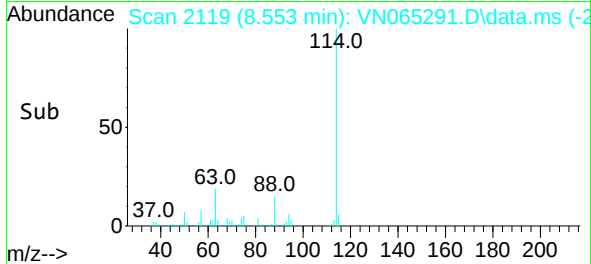


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

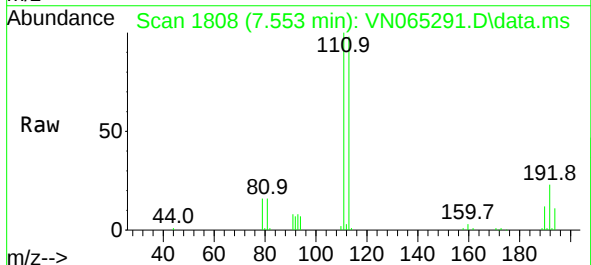
Instrument :
MSVOA_N
ClientSampleId :



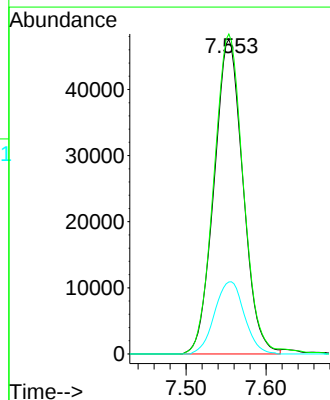
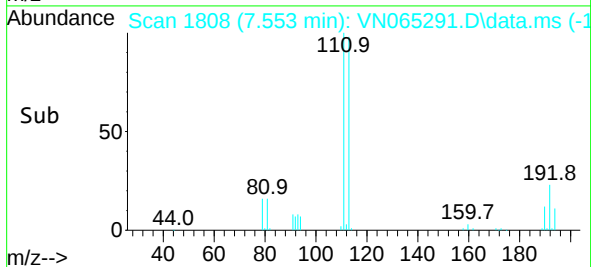
Tgt Ion:114 Resp: 389671
Ion Ratio Lower Upper
114 100
63 19.4 0.0 38.6
88 15.5 0.0 32.6

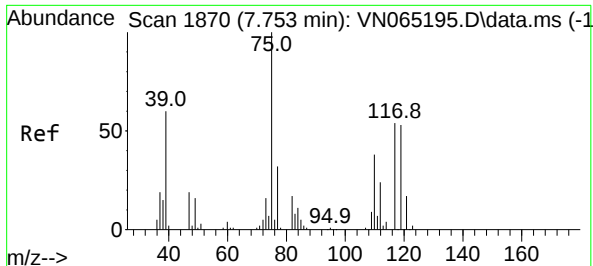


#35
Dibromofluoromethane
Concen: 50.71 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20



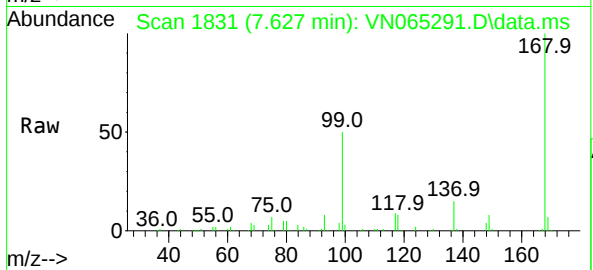
Tgt Ion:113 Resp: 119221
Ion Ratio Lower Upper
113 100
111 104.1 81.6 122.4
192 23.6 16.2 24.2



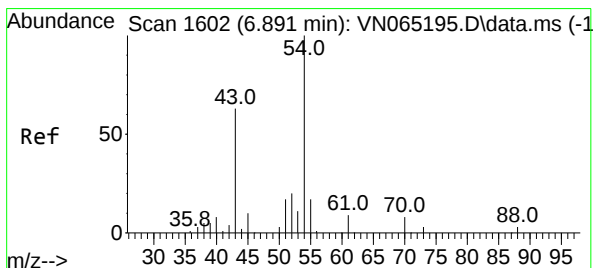
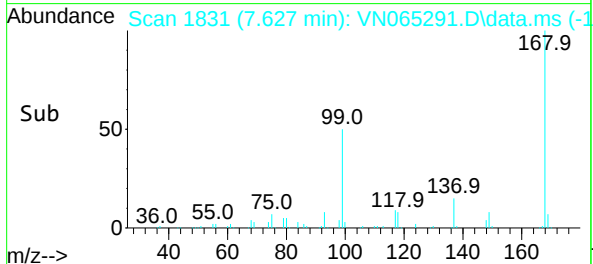
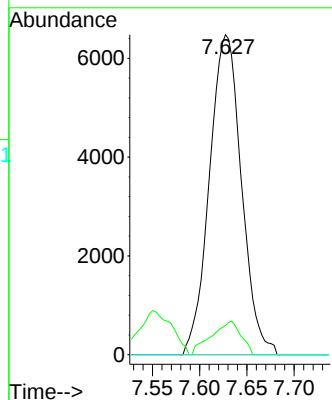


#36
1,1-Dichloropropene
Concen: 4.31 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

Instrument :
MSVOA_N
ClientSampled :

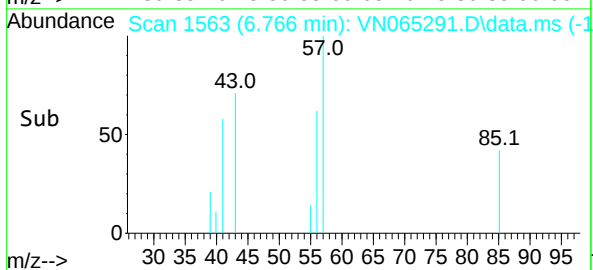
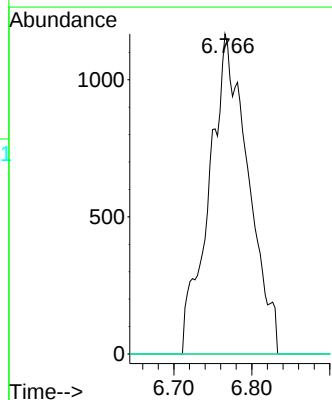
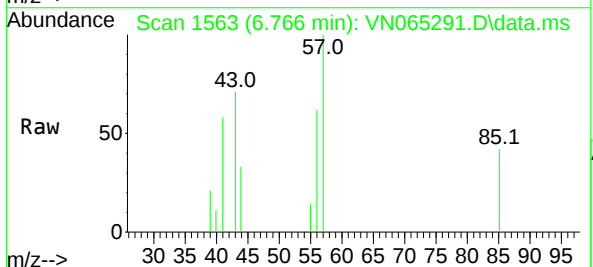


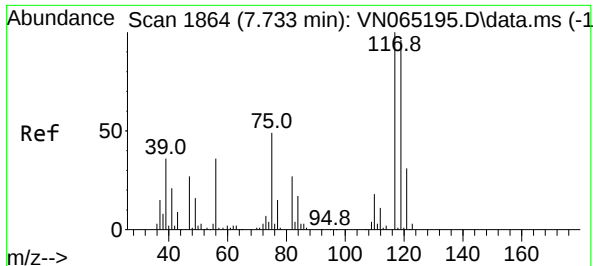
Tgt Ion: 75 Resp: 15257
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.16 ug/l
RT: 6.766 min Scan# 1563
Delta R.T. -0.125 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

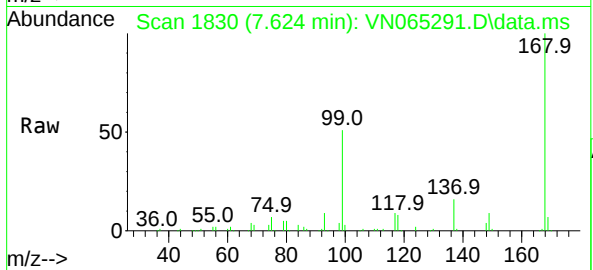
Tgt Ion: 43 Resp: 4080
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 8.8 13.2#



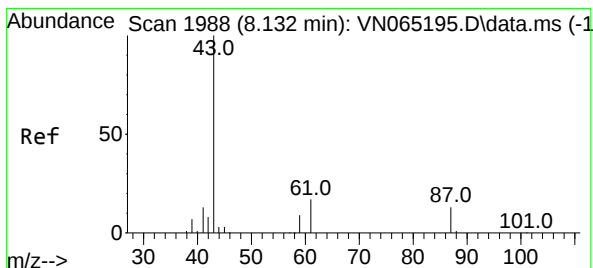
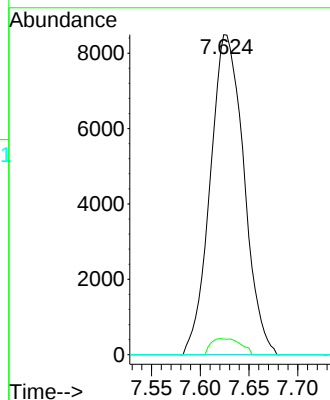
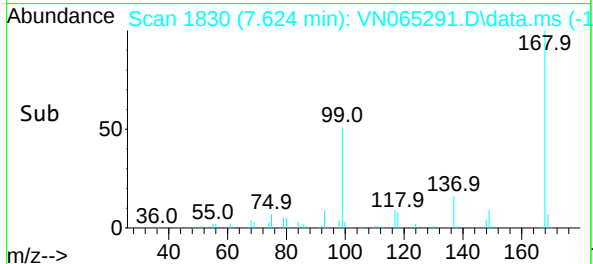


#38
Carbon Tetrachloride
Concen: 5.47 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.109 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

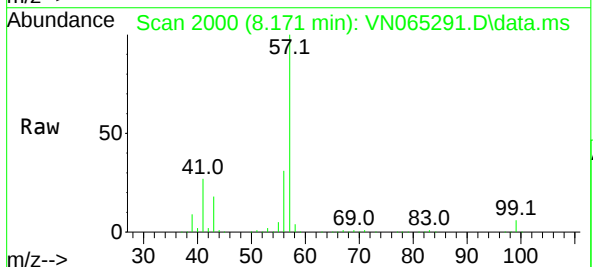
Instrument :
MSVOA_N
ClientSampled :



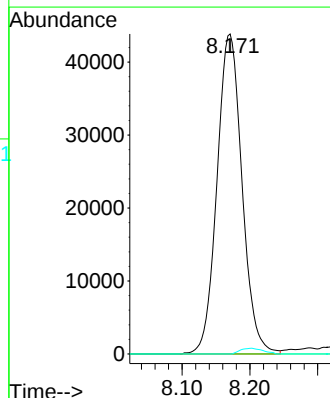
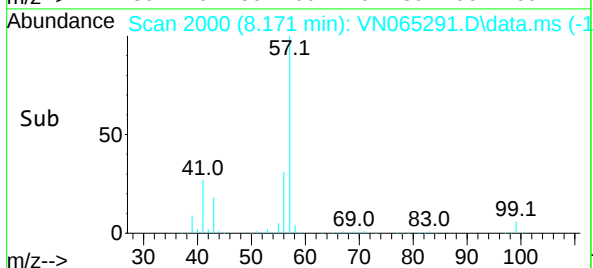
Tgt Ion:117 Resp: 20366
Ion Ratio Lower Upper
117 100
119 4.9 76.7 115.1#
121 0.0 25.4 38.2#

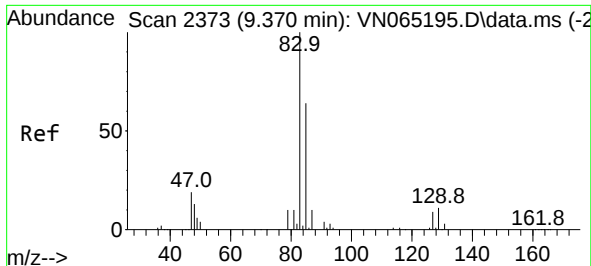


#43
Isopropyl Acetate
Concen: 18.61 ug/l
RT: 8.171 min Scan# 2000
Delta R.T. 0.039 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20



Tgt Ion: 43 Resp: 112614
Ion Ratio Lower Upper
43 100
61 0.0 17.2 25.8#
87 0.0 11.4 17.0#

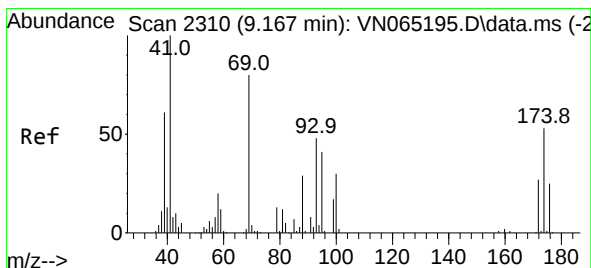
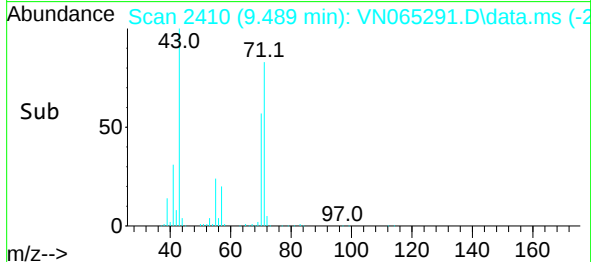
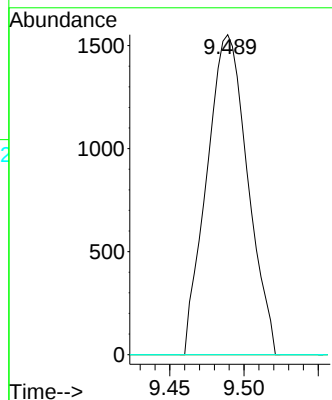
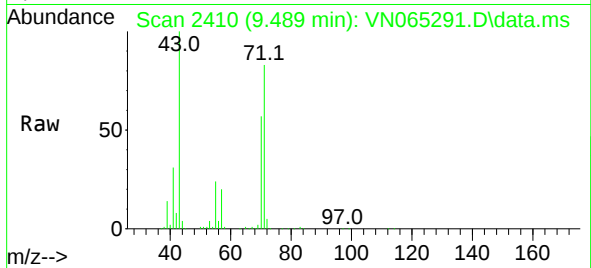




#47
Bromodichloromethane
Concen: 0.76 ug/l
RT: 9.489 min Scan# 2410
Delta R.T. 0.119 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

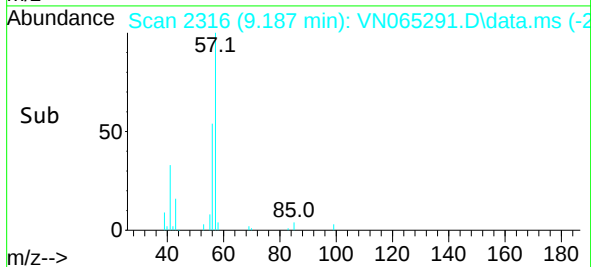
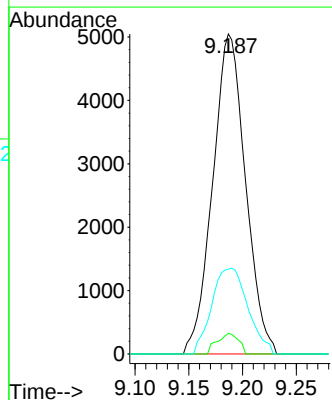
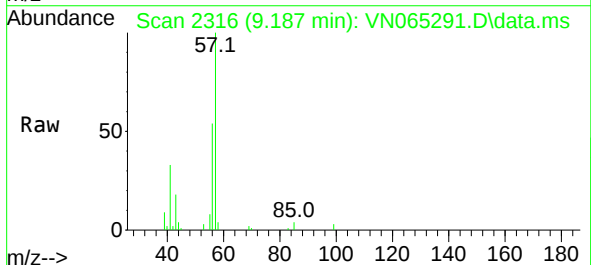
Instrument :
MSVOA_N
ClientSampled :

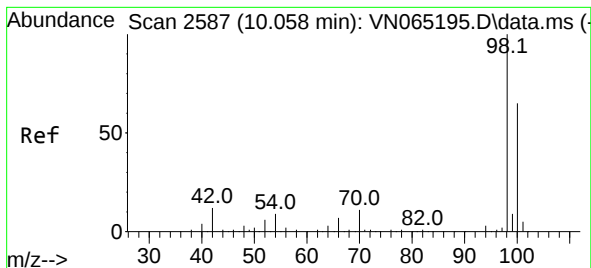
Tgt Ion: 83 Resp: 2976
Ion Ratio Lower Upper
83 100
85 0.0 51.8 77.8#
127 0.0 6.8 10.2#



#48
Methyl methacrylate
Concen: 3.64 ug/l
RT: 9.187 min Scan# 2316
Delta R.T. 0.020 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

Tgt Ion: 41 Resp: 10709
Ion Ratio Lower Upper
41 100
69 4.2 71.8 107.8#
39 29.5 44.1 66.1#

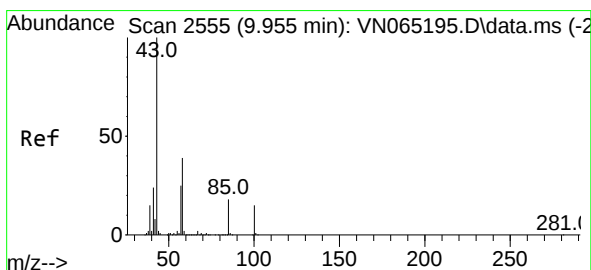
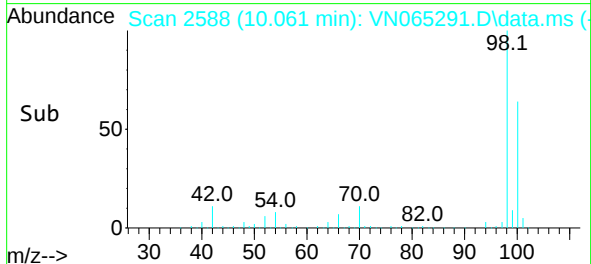
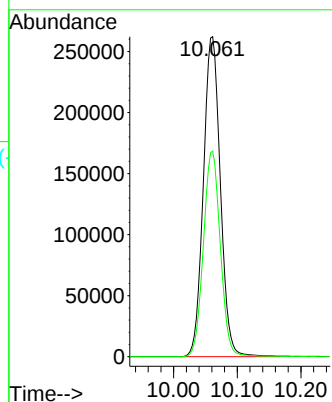
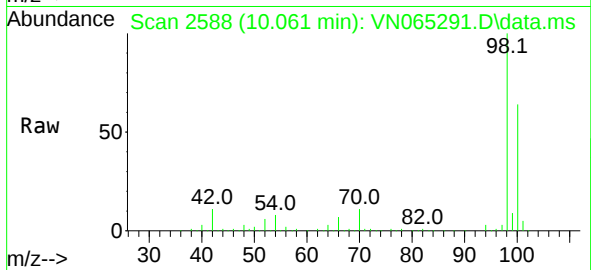




#50
Toluene-d8
Concen: 55.27 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

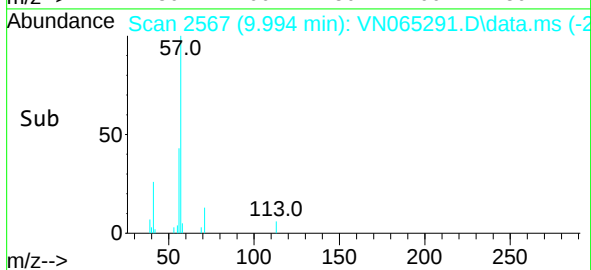
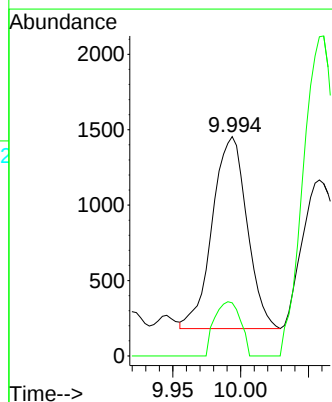
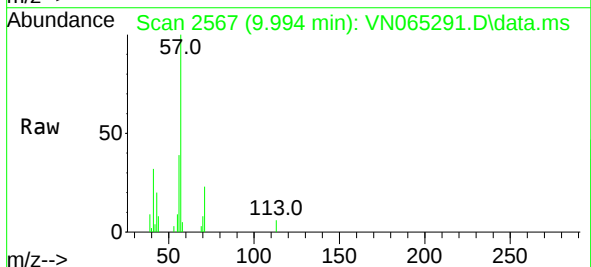
Instrument :
MSVOA_N
ClientSampleId :

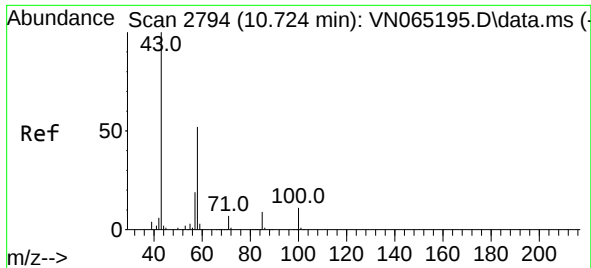
Tgt Ion: 98 Resp: 486980
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.67 ug/l
RT: 9.994 min Scan# 2567
Delta R.T. 0.039 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

Tgt Ion: 43 Resp: 2267
Ion Ratio Lower Upper
43 100
58 21.2 32.4 48.6#

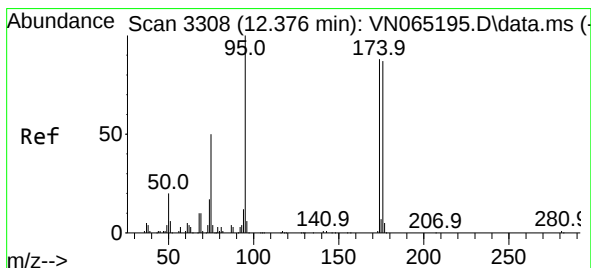
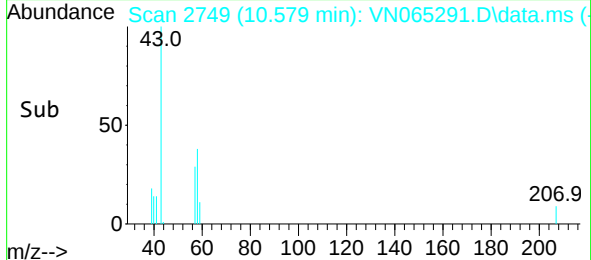
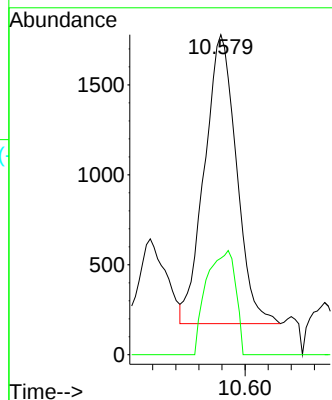
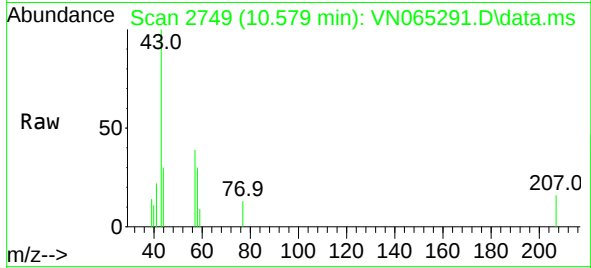




#59
2-Hexanone
Concen: 1.23 ug/l
RT: 10.579 min Scan# 2749
Delta R.T. -0.145 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

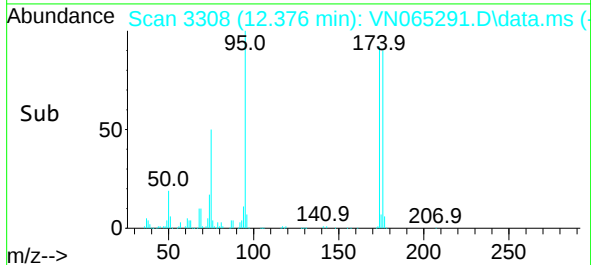
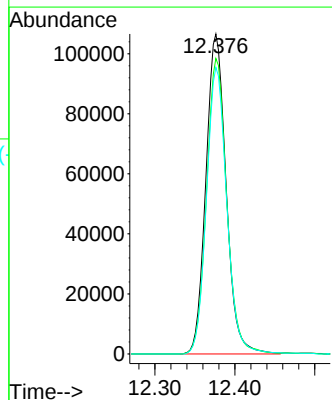
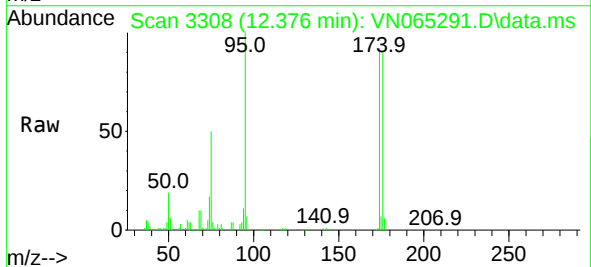
Instrument :
MSVOA_N
ClientSampled :

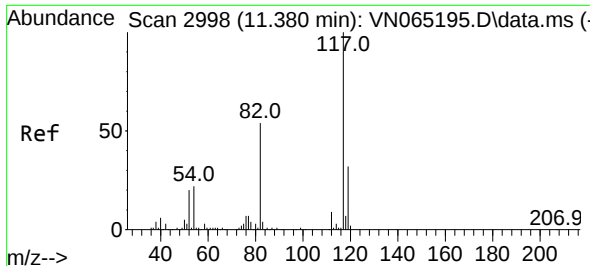
Tgt Ion: 43 Resp: 3087
Ion Ratio Lower Upper
43 100
58 32.7 28.3 84.9



#62
4-Bromofluorobenzene
Concen: 53.32 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

Tgt Ion: 95 Resp: 187138
Ion Ratio Lower Upper
95 100
174 92.9 0.0 160.4
176 89.9 0.0 158.4

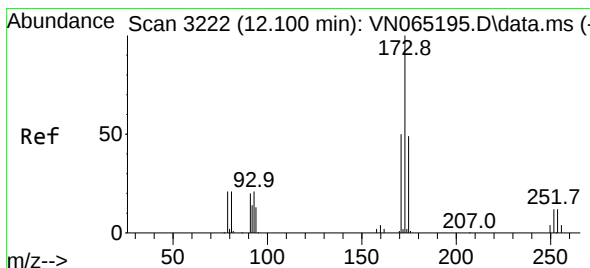
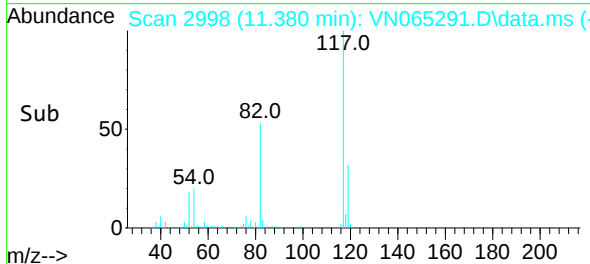
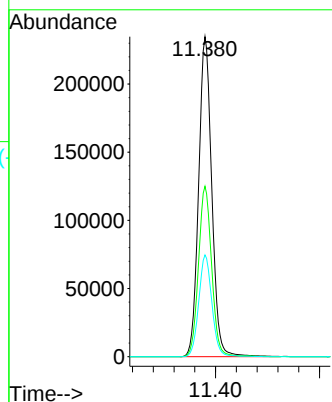
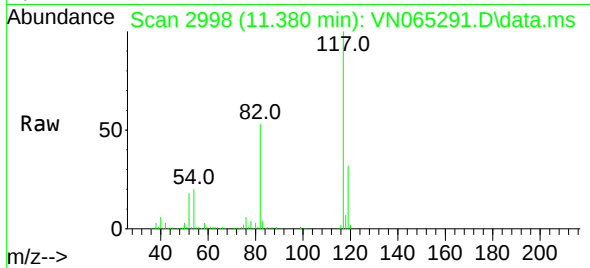




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

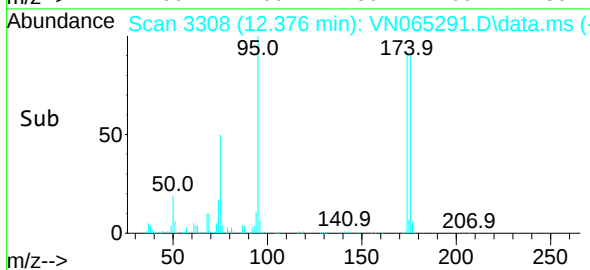
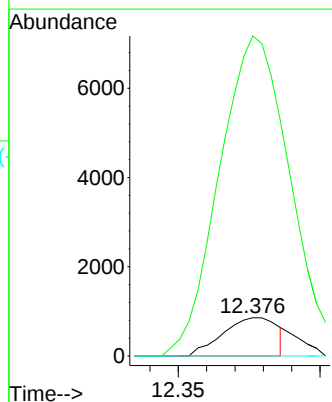
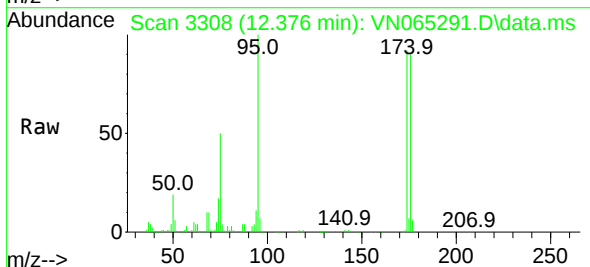
Instrument :
MSVOA_N
ClientSampleId :

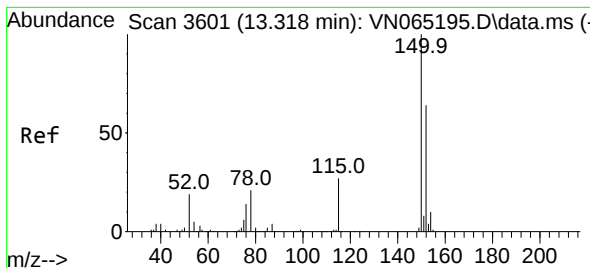
Tgt Ion:117 Resp: 411675
Ion Ratio Lower Upper
117 100
82 53.3 44.2 66.2
119 31.8 25.8 38.6



#71
Bromoform
Concen: 0.41 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

Tgt Ion:173 Resp: 1151
Ion Ratio Lower Upper
173 100
175 879.8 24.3 72.8#
254 0.0 0.0 0.0

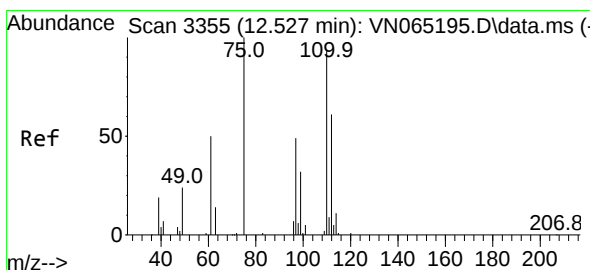
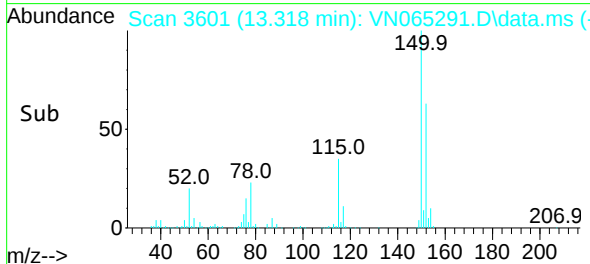
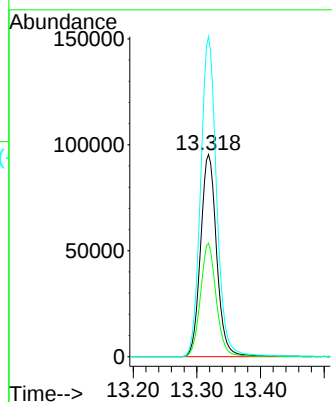
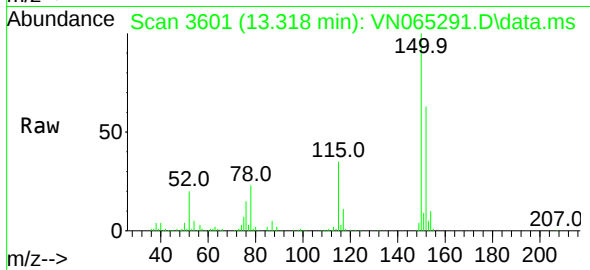




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

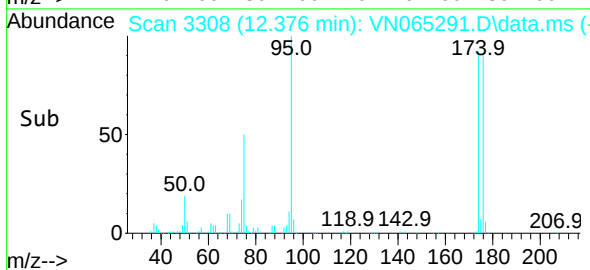
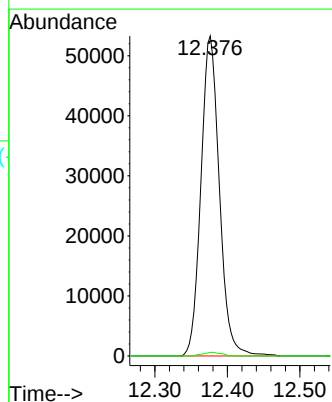
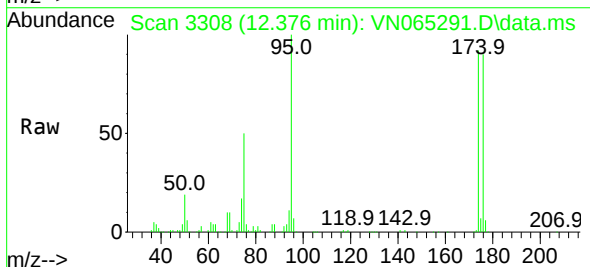
Instrument :
MSVOA_N
ClientSampled :

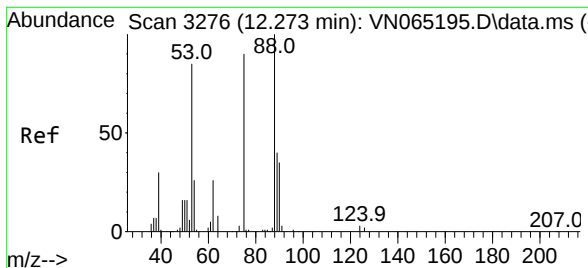
Tgt Ion:152 Resp: 167550
Ion Ratio Lower Upper
152 100
115 55.1 29.7 89.1
150 158.0 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 27.56 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

Tgt Ion: 75 Resp: 94204
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

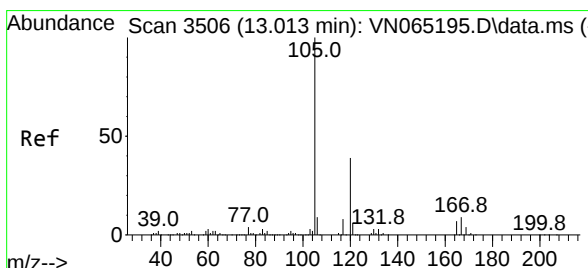
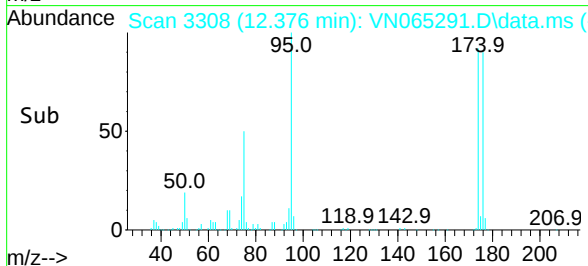
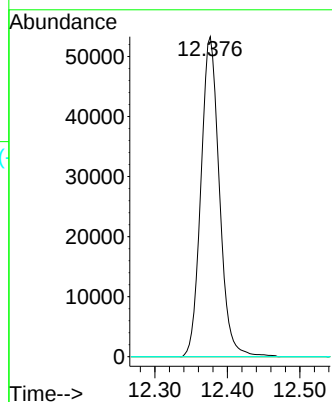
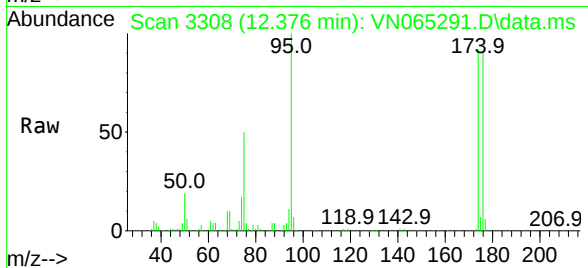




#81
trans-1,4-Dichloro-2-butene
Concen: 69.49 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

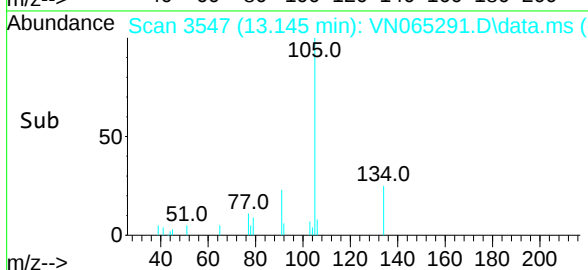
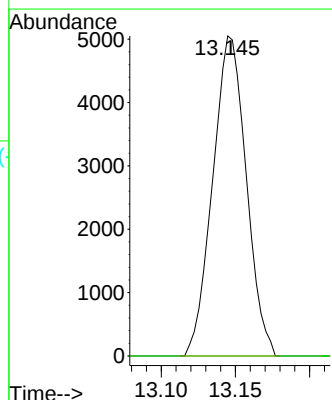
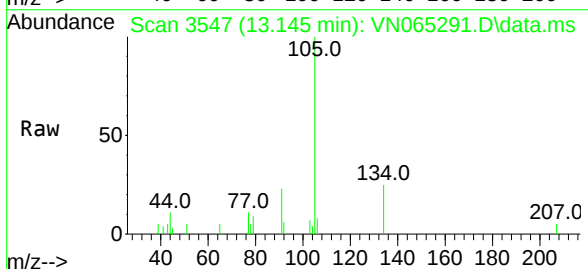
Instrument :
MSVOA_N
ClientSampleId :

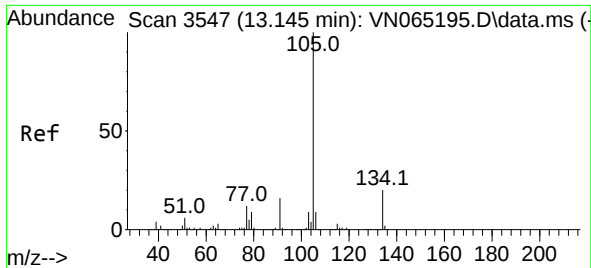
Tgt Ion: 75 Resp: 94204
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.75 ug/l
RT: 13.145 min Scan# 3547
Delta R.T. 0.132 min
Lab File: VN065291.D
Acq: 28 Dec 2020 17:20

Tgt Ion: 105 Resp: 7942
Ion Ratio Lower Upper
105 100
120 0.0 23.1 69.2#

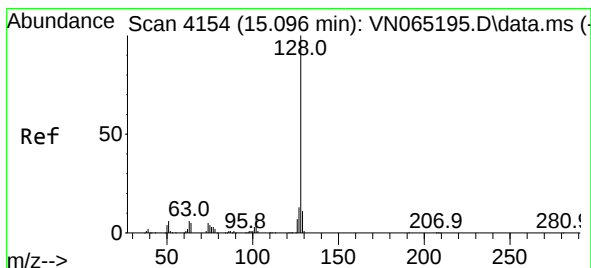
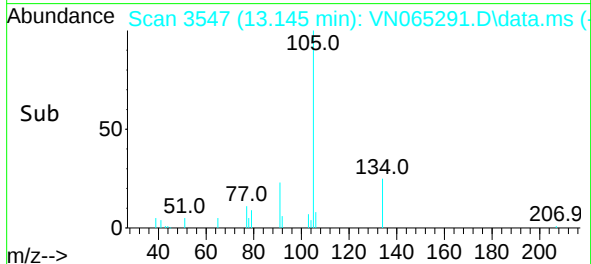
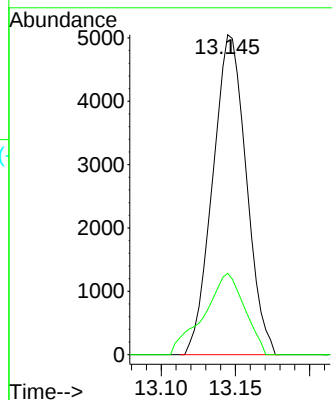
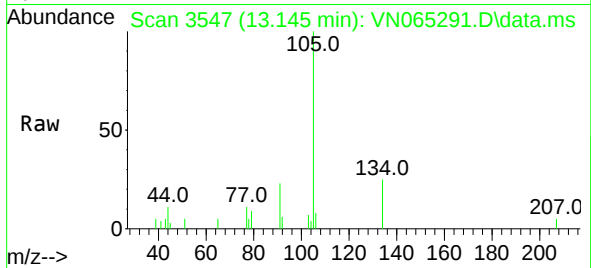




#85
 sec-Butylbenzene
 Concen: 0.65 ug/l
 RT: 13.145 min Scan# 3547
 Delta R.T. -0.000 min
 Lab File: VN065291.D
 Acq: 28 Dec 2020 17:20

Instrument :
 MSVOA_N
 ClientSampled :

Tgt Ion:105 Resp: 7942
 Ion Ratio Lower Upper
 105 100
 134 30.7 10.1 30.1#



#95
 Naphthalene
 Concen: 3.42 ug/l
 RT: 14.932 min Scan# 4103
 Delta R.T. -0.164 min
 Lab File: VN065291.D
 Acq: 28 Dec 2020 17:20

Tgt Ion:128 Resp: 412
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 79.1 8.7 13.1#

