

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011121\
 Data File : VN065467.D
 Acq On : 11 Jan 2021 14:51
 Operator : JC/MD
 Sample : M1040-05 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

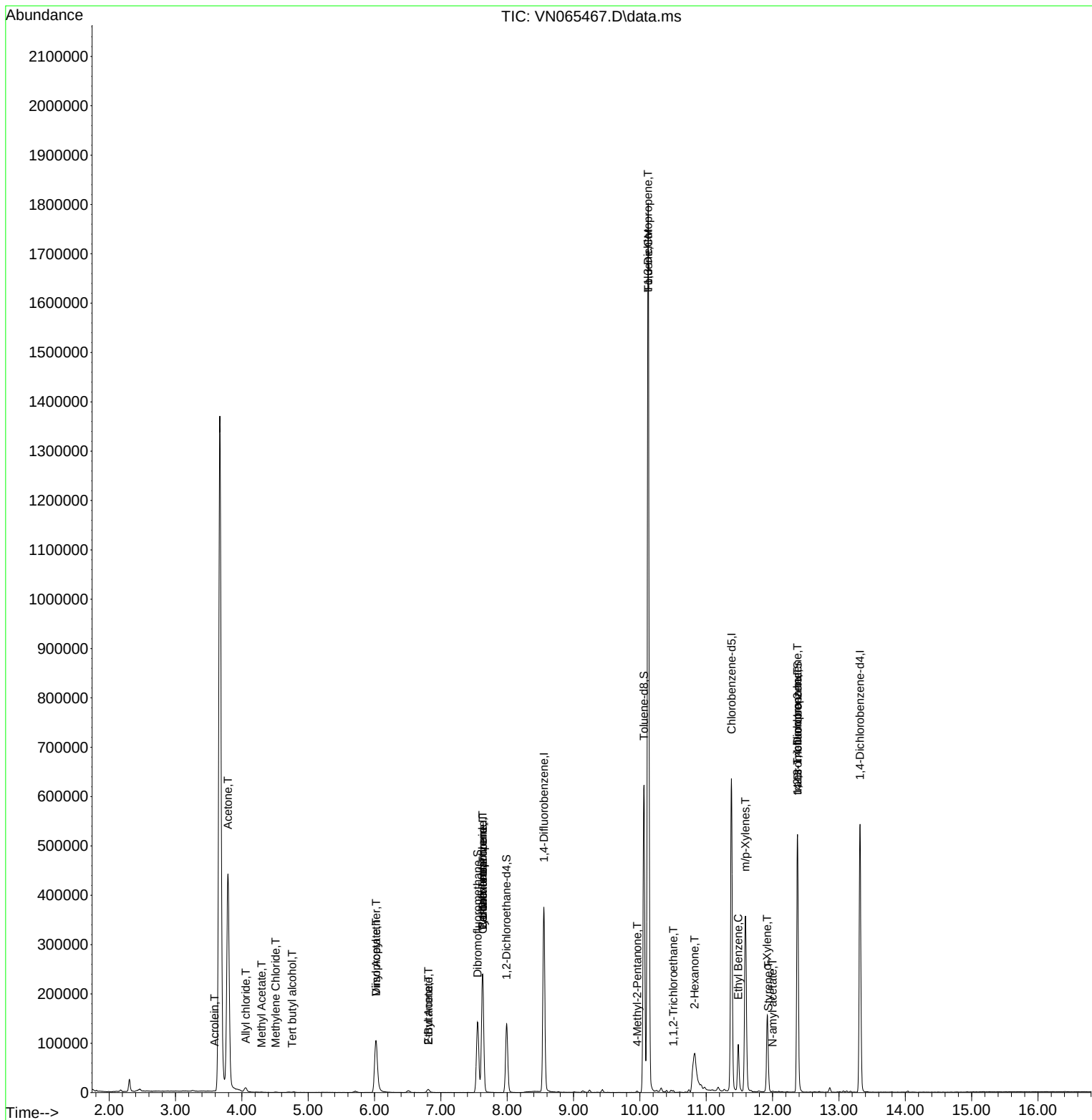
Quant Time: Jan 12 00:08:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

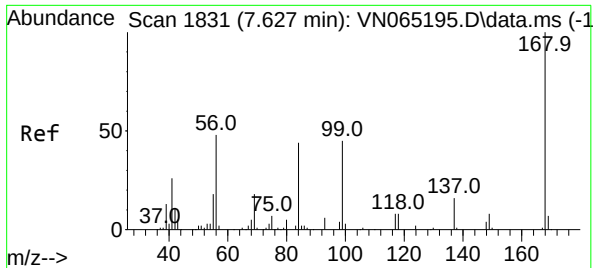
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.631	168	223366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	366247	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	391665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	167681	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	120828	47.92	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 95.84%			
35) Dibromofluoromethane	7.553	113	111388	50.41	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.82%			
50) Toluene-d8	10.061	98	451838	54.56	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.12%			
62) 4-Bromofluorobenzene	12.376	95	180155	54.49	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.98%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.759	59	452	1.10	ug/l #	73
13) Acrolein	3.589	56	796	5.24	ug/l #	14
14) Allyl chloride	4.062	41	1396	0.39	ug/l #	63
16) Acetone	3.792	43	713260	693.13	ug/l	90
18) Methyl Acetate	4.296	43	1067	0.47	ug/l #	50
20) Methylene Chloride	4.509	84	786	0.32	ug/l #	86
22) Diisopropyl ether	6.023	45	8574	1.19	ug/l #	1
23) Vinyl Acetate	6.023	43	20957	3.45	ug/l #	71
25) 2-Butanone	6.811	43	4745	3.35	ug/l	97
31) Cyclohexane	7.634	56	3393	0.91	ug/l #	1
36) 1,1-Dichloropropene	7.631	75	13382	4.02	ug/l #	50
37) Ethyl Acetate	6.811	43	4745	1.44	ug/l #	66
38) Carbon Tetrachloride	7.627	117	18182	5.20	ug/l #	16
51) 4-Methyl-2-Pentanone	9.958	43	2832	0.89	ug/l #	70
52) Toluene	10.126	92	818037	131.01	ug/l	99
53) t-1,3-Dichloropropene	10.122	75	9068	2.18	ug/l #	1
55) 1,1,2-Trichloroethane	10.505	97	1614	0.65	ug/l #	14
59) 2-Hexanone	10.823	43	54613	23.23	ug/l #	36
67) Ethyl Benzene	11.483	91	69279	4.82	ug/l	99
68) m/p-Xylenes	11.592	106	121314	22.42	ug/l	97
69) o-Xylene	11.920	106	42581	8.10	ug/l	99
70) Styrene	11.936	104	6981	0.80	ug/l #	11
74) N-amyl acetate	12.000	43	1228	0.24	ug/l #	42
76) 1,2,3-Trichloropropane	12.373	75	86216	25.20	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	86216	63.55	ug/l #	15

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

Quant Time: Jan 12 00:08:14 2021
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

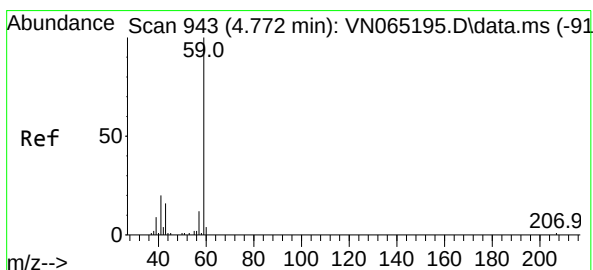
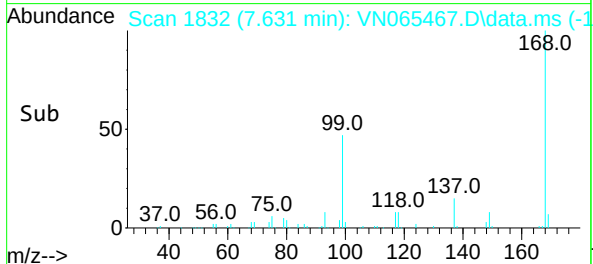
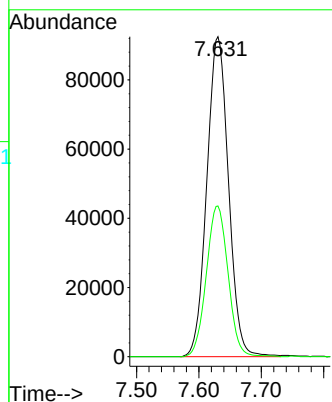
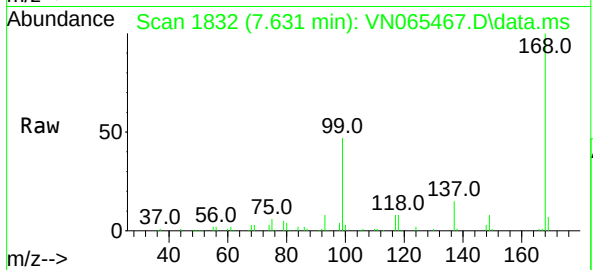




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.004 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

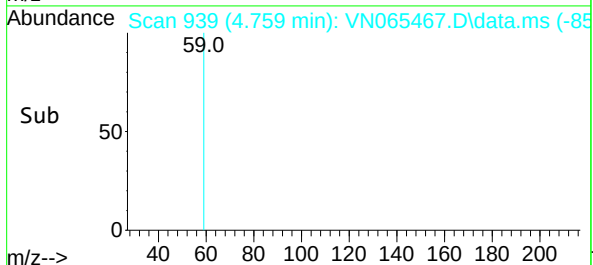
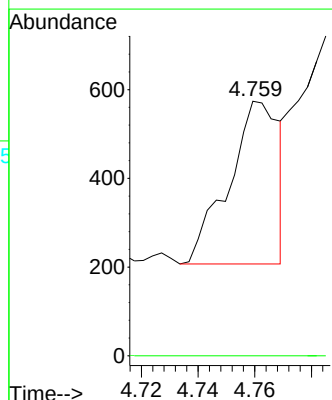
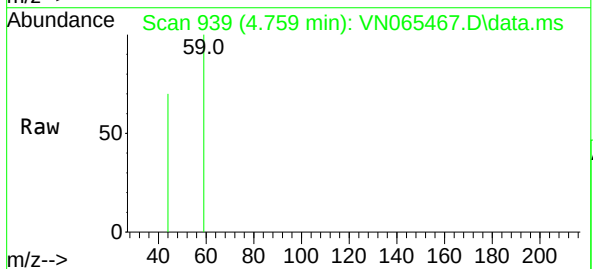
Instrument :
MSVOA_N
ClientSampled :

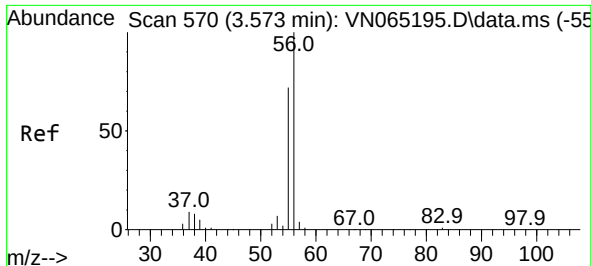
Tgt Ion:168 Resp: 223366
Ion Ratio Lower Upper
168 100
99 47.1 43.0 64.4



#11
Tert butyl alcohol
Concen: 1.10 ug/l
RT: 4.759 min Scan# 939
Delta R.T. -0.013 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

Tgt Ion: 59 Resp: 452
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

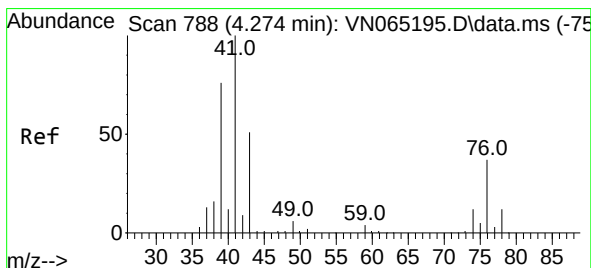
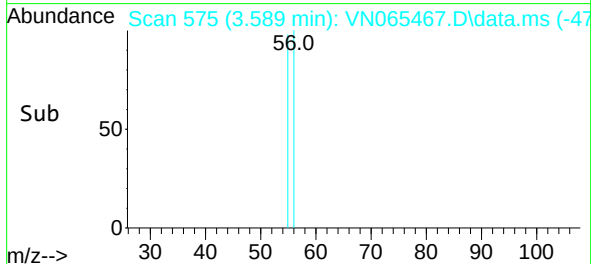
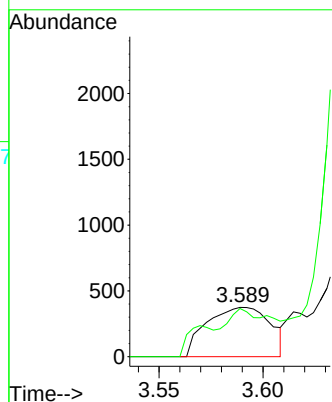
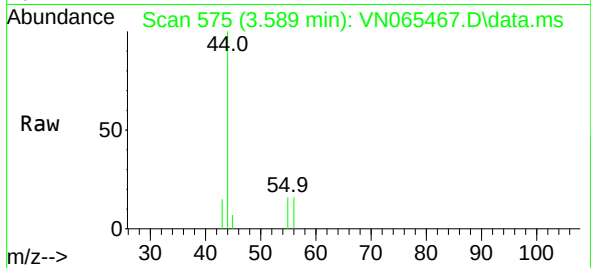




#13
Acrolein
Concen: 5.24 ug/l
RT: 3.589 min Scan# 575
Delta R.T. 0.016 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

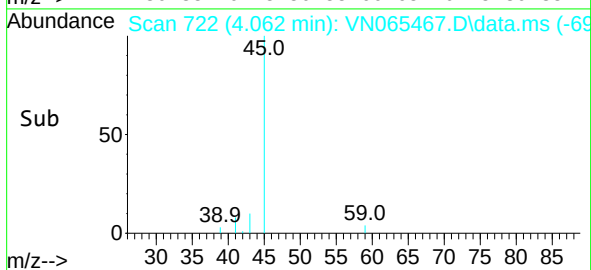
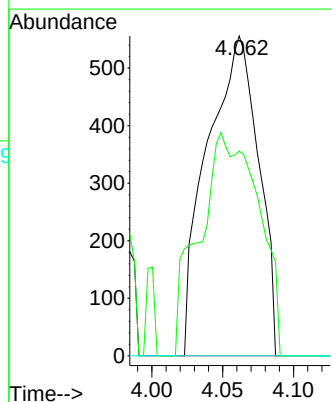
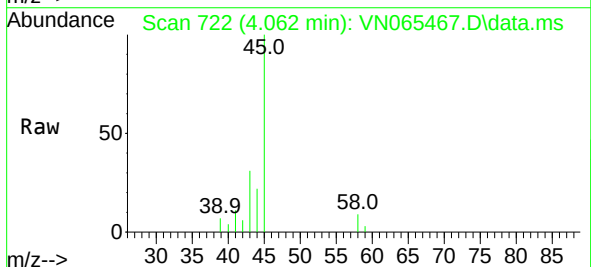
Instrument :
MSVOA_N
ClientSampled :

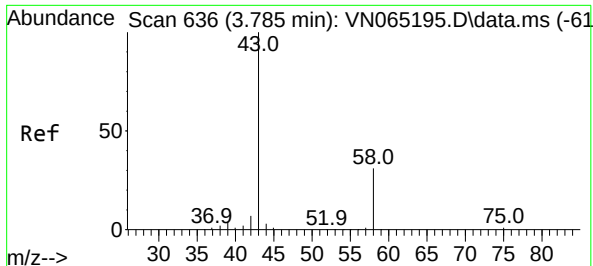
Tgt Ion: 56 Resp: 796
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#



#14
Allyl chloride
Concen: 0.39 ug/l
RT: 4.062 min Scan# 722
Delta R.T. -0.212 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

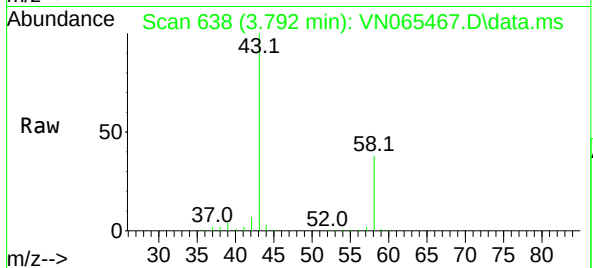
Tgt Ion: 41 Resp: 1396
Ion Ratio Lower Upper
41 100
39 81.4 50.9 76.3#
76 0.0 29.0 43.4#



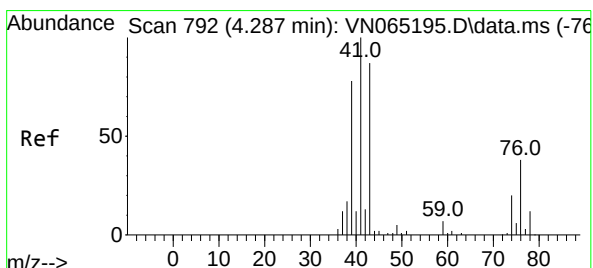
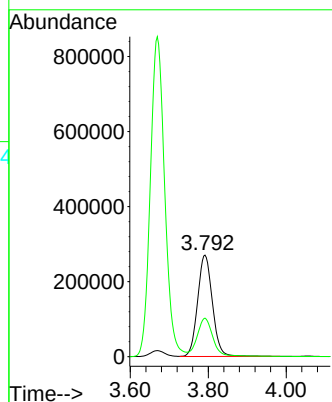
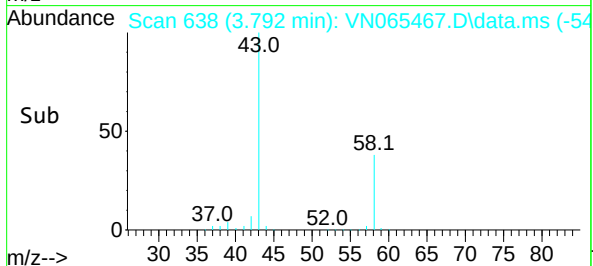


#16
Acetone
Concen: 693.13 ug/l
RT: 3.792 min Scan# 638
Delta R.T. 0.006 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

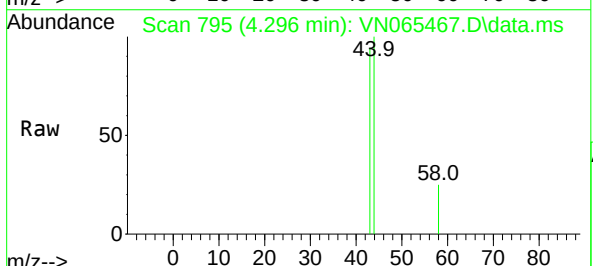
Instrument :
MSVOA_N
ClientSampled :



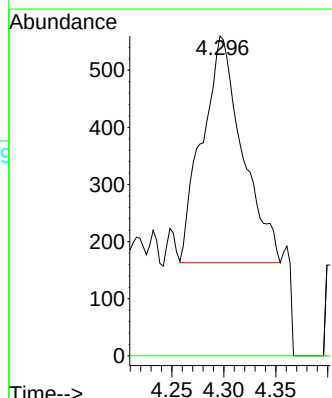
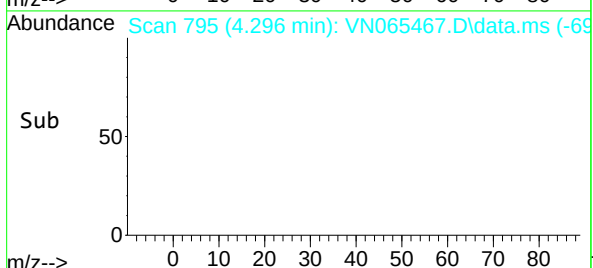
Tgt Ion: 43 Resp: 713260
Ion Ratio Lower Upper
43 100
58 37.7 25.7 38.5

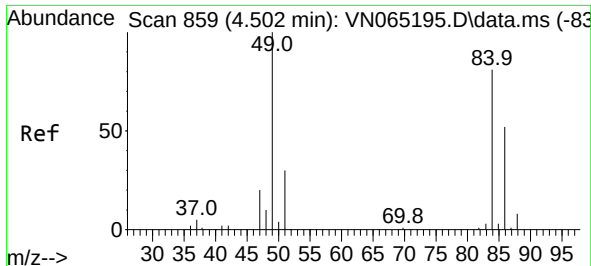


#18
Methyl Acetate
Concen: 0.47 ug/l
RT: 4.296 min Scan# 795
Delta R.T. 0.009 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51



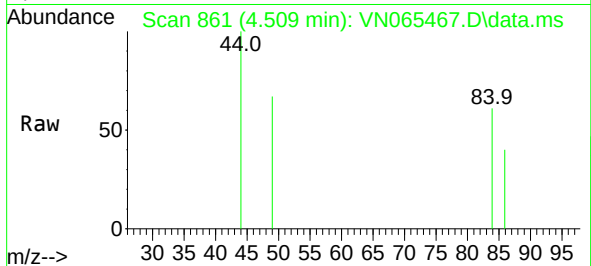
Tgt Ion: 43 Resp: 1067
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



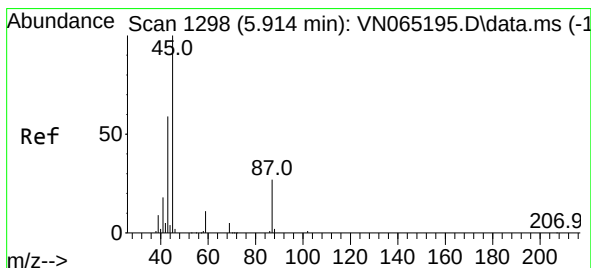
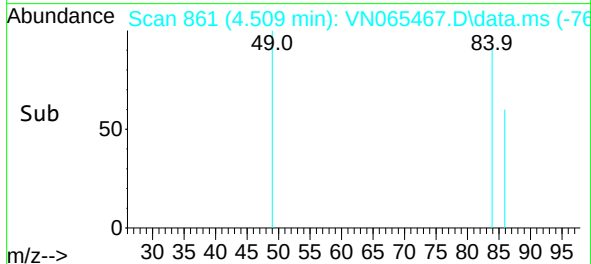
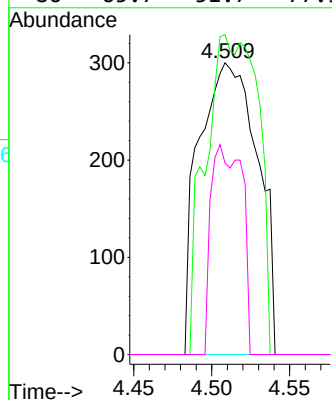


#20
Methylene Chloride
Concen: 0.32 ug/l
RT: 4.509 min Scan# 861
Delta R.T. 0.007 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

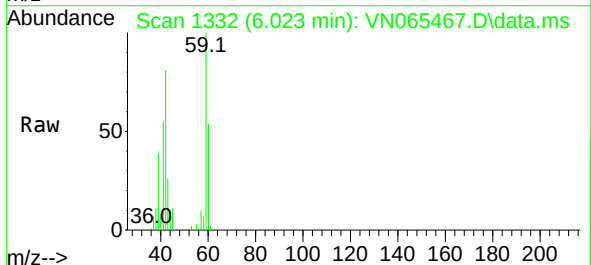
Instrument :
MSVOA_N
ClientSampleId :



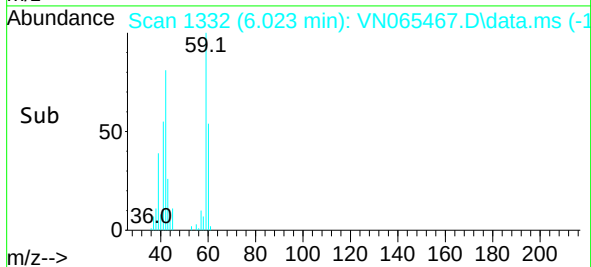
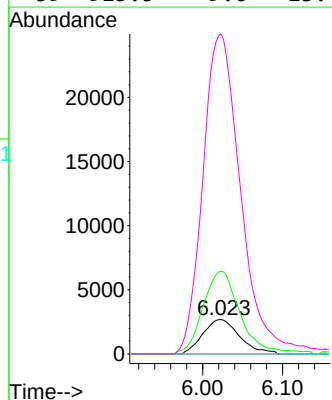
Tgt Ion:	84	Resp:	786
Ion	Ratio	Lower	Upper
84	100		
49	109.7	93.4	140.0
51	0.0	28.2	42.4#
86	65.7	51.7	77.5

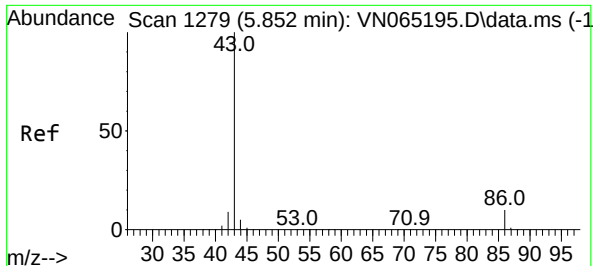


#22
Diisopropyl ether
Concen: 1.19 ug/l
RT: 6.023 min Scan# 1332
Delta R.T. 0.109 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51



Tgt Ion:	45	Resp:	8574
Ion	Ratio	Lower	Upper
45	100		
43	232.5	46.2	69.2#
87	0.0	24.1	36.1#
59	915.5	9.0	13.4#





#23

Vinyl Acetate

Concen: 3.45 ug/l

RT: 6.023 min Scan# 1332

Delta R.T. 0.171 min

Lab File: VN065467.D

Acq: 11 Jan 2021 14:51

Tgt Ion: 43 Resp: 20957

Ion Ratio Lower Upper

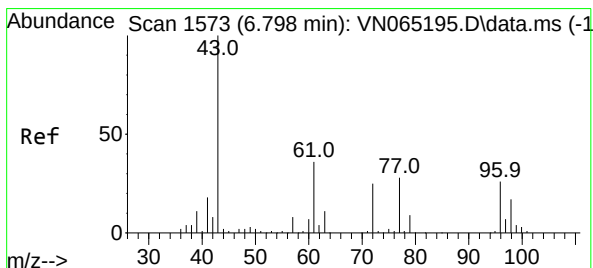
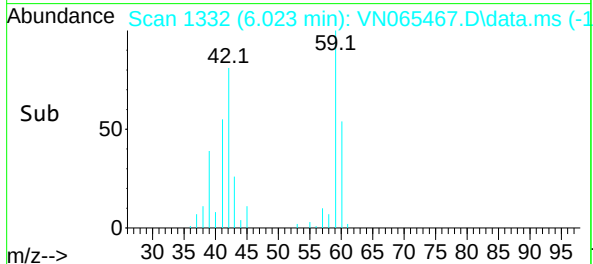
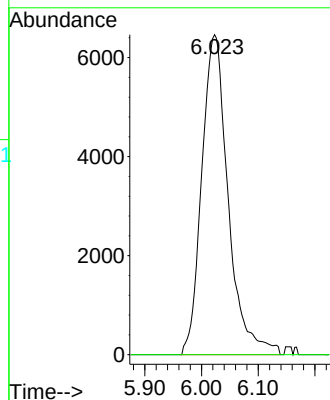
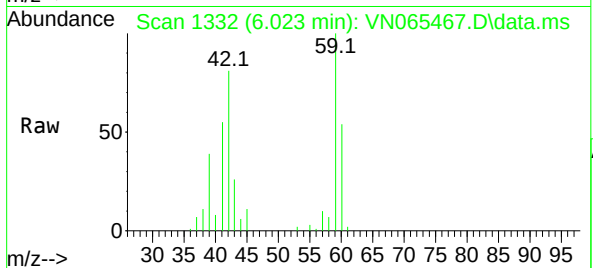
43 100

86 0.0 8.9 13.3#

Instrument :

MSVOA_N

ClientSampled :



#25

2-Butanone

Concen: 3.35 ug/l

RT: 6.811 min Scan# 1577

Delta R.T. 0.013 min

Lab File: VN065467.D

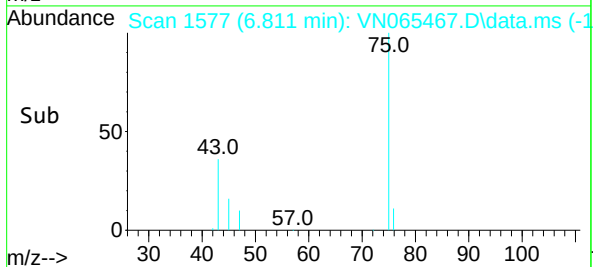
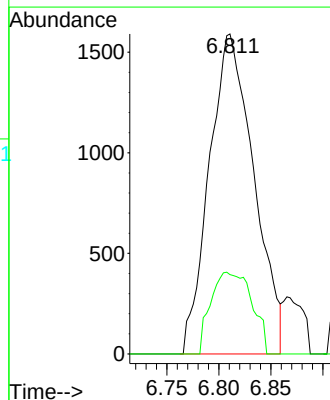
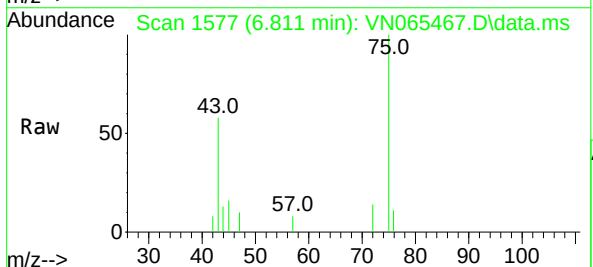
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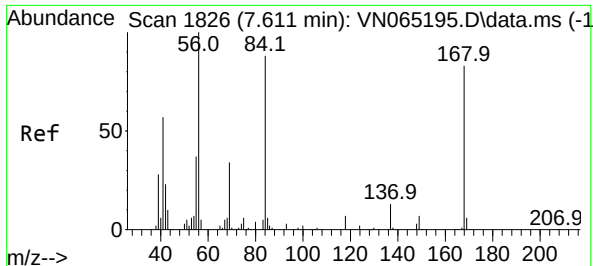
Tgt Ion: 43 Resp: 4745

Ion Ratio Lower Upper

43 100

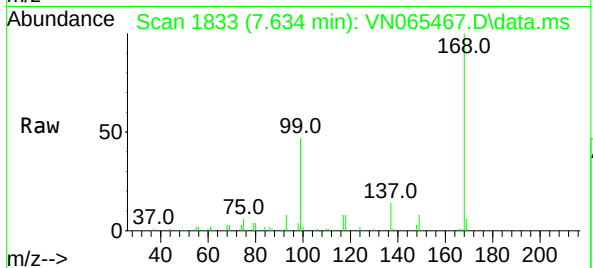
72 24.8 21.0 31.6



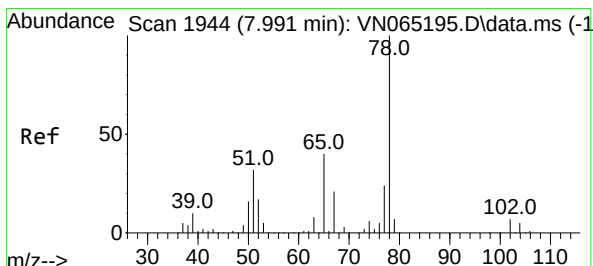
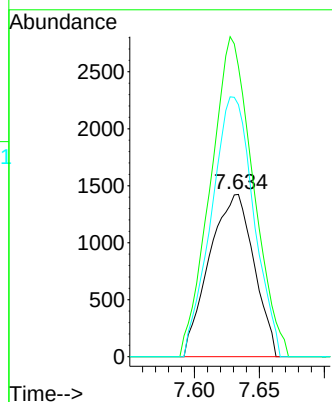
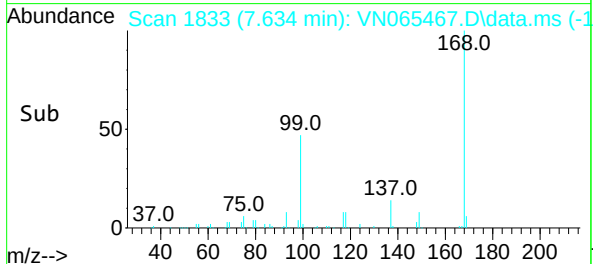


#31
Cyclohexane
Concen: 0.91 ug/l
RT: 7.634 min Scan# 1833
Delta R.T. 0.023 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

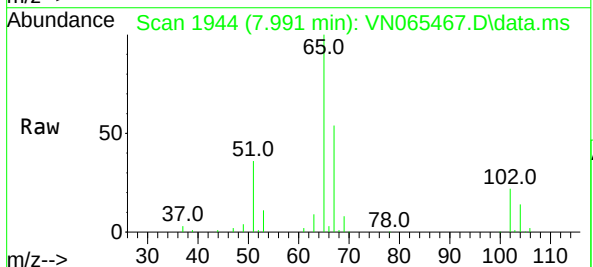
Instrument :
MSVOA_N
ClientSampleId :



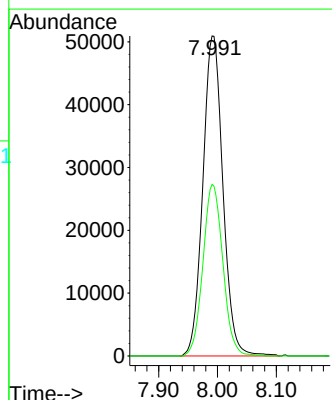
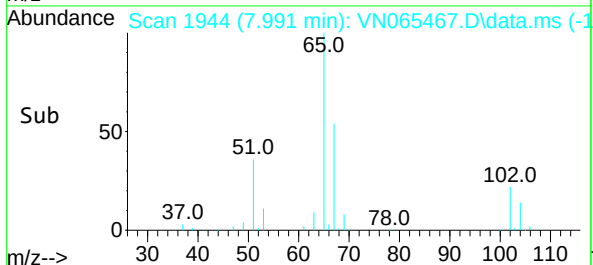
Tgt Ion: 56 Resp: 3393
Ion Ratio Lower Upper
56 100
69 178.8 27.5 41.3#
84 155.3 73.9 110.9#

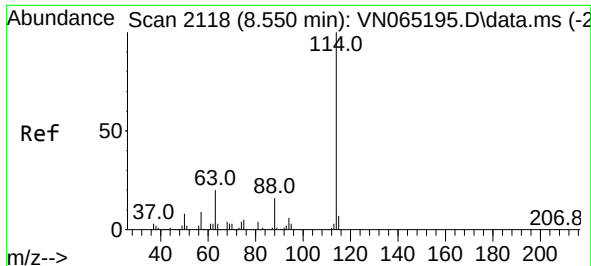


#33
1,2-Dichloroethane-d4
Concen: 47.92 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51



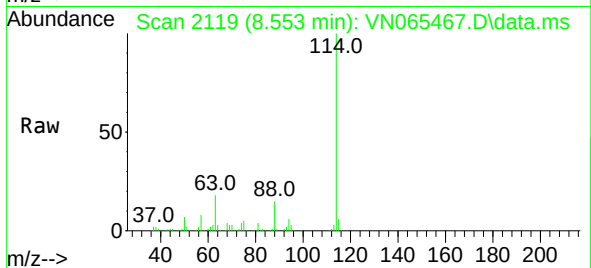
Tgt Ion: 65 Resp: 120828
Ion Ratio Lower Upper
65 100
67 53.2 0.0 108.2



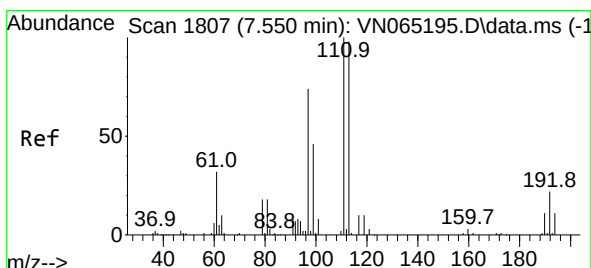
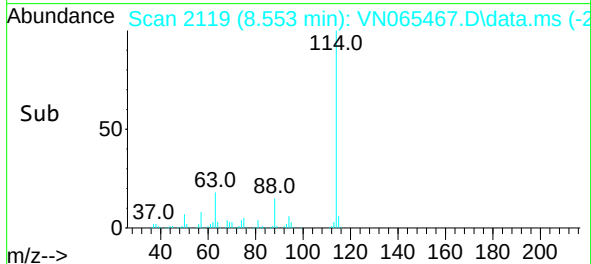
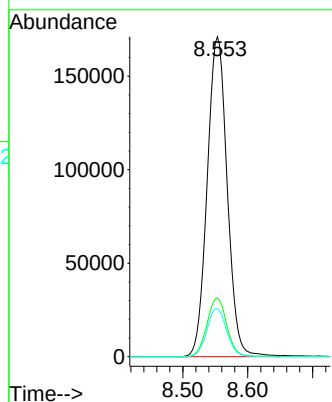


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

Instrument :
MSVOA_N
ClientSampleId :

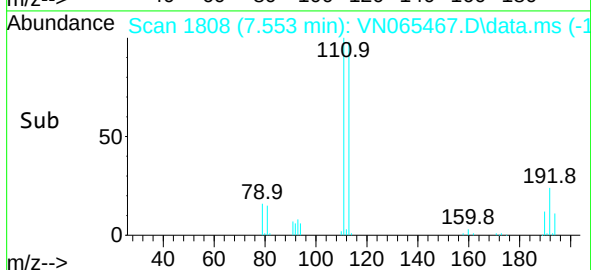
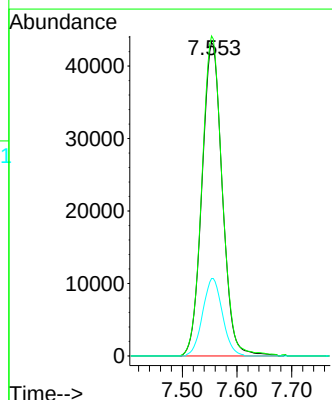
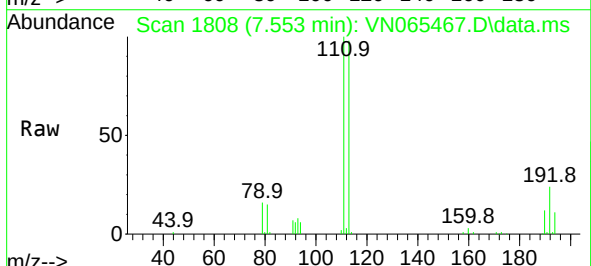


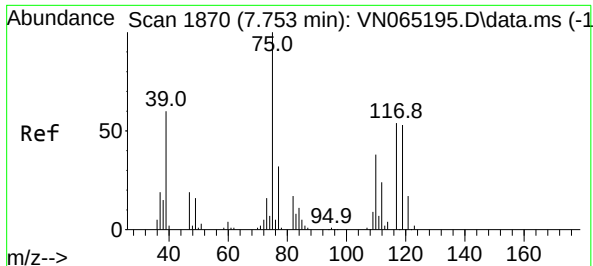
Tgt Ion:114 Resp: 366247
Ion Ratio Lower Upper
114 100
63 18.3 0.0 38.6
88 15.0 0.0 32.6



#35
Dibromofluoromethane
Concen: 50.41 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

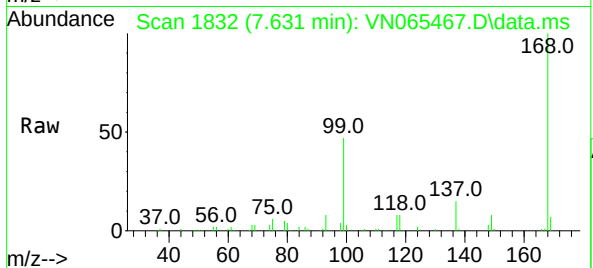
Tgt Ion:113 Resp: 111388
Ion Ratio Lower Upper
113 100
111 102.0 81.6 122.4
192 24.1 16.2 24.2



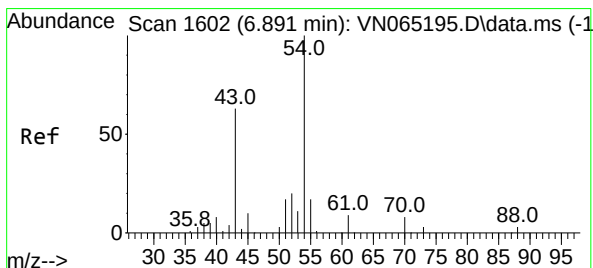
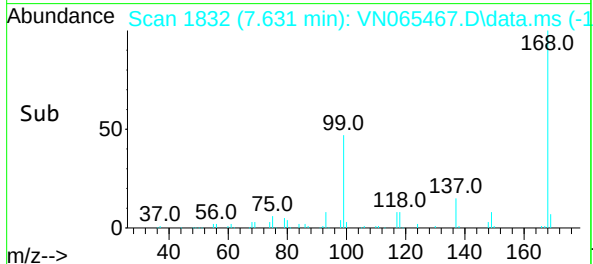
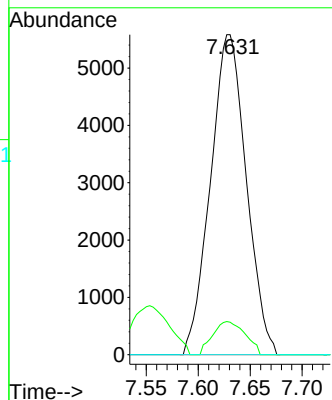


#36
1,1-Dichloropropene
Concen: 4.02 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.122 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

Instrument :
MSVOA_N
ClientSampleId :

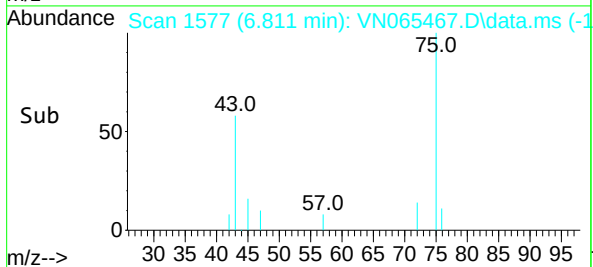
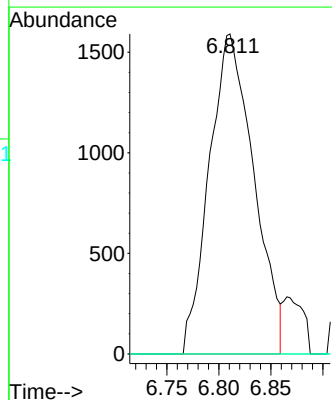
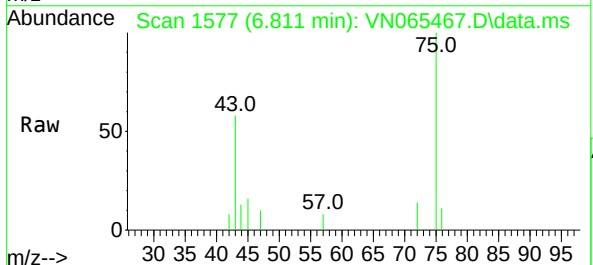


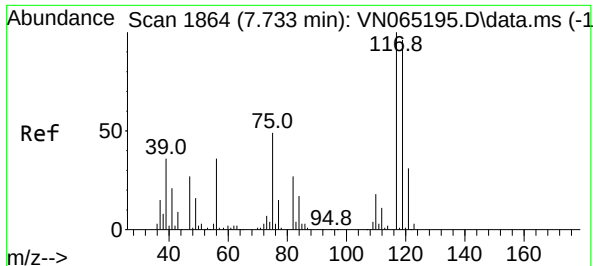
Tgt Ion: 75 Resp: 13382
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.44 ug/l
RT: 6.811 min Scan# 1577
Delta R.T. -0.080 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

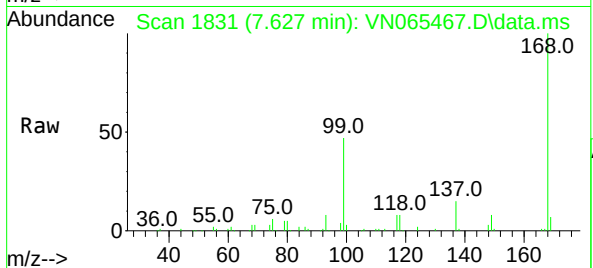
Tgt Ion: 43 Resp: 4745
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 8.8 13.2#



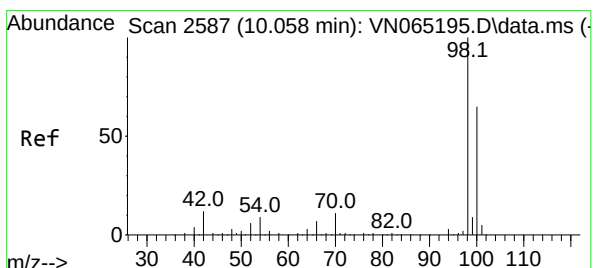
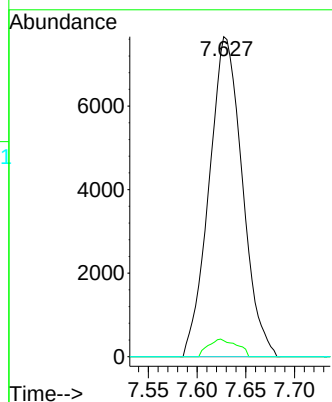
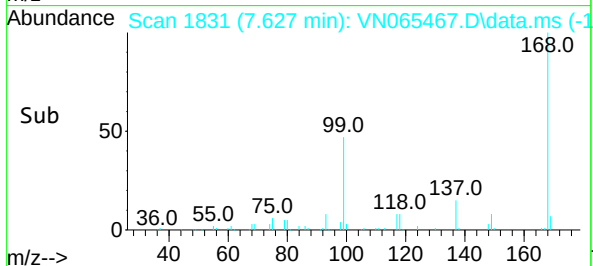


#38
Carbon Tetrachloride
Concen: 5.20 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.106 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

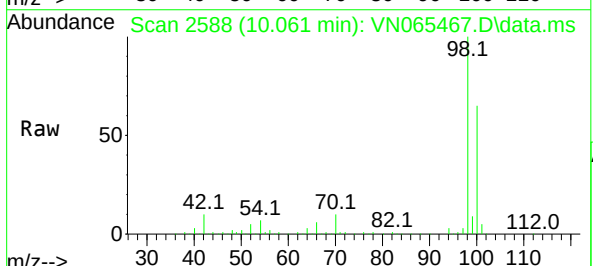
Instrument :
MSVOA_N
ClientSampleId :



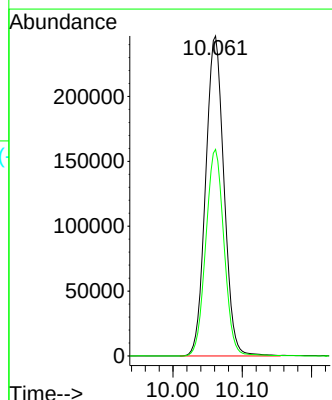
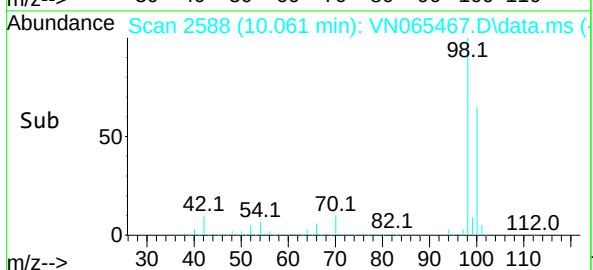
Tgt Ion:117 Resp: 18182
Ion Ratio Lower Upper
117 100
119 5.0 76.7 115.1#
121 0.0 25.4 38.2#

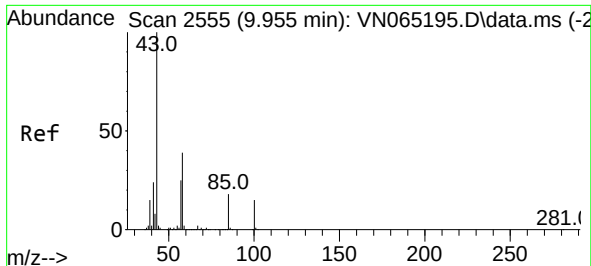


#50
Toluene-d8
Concen: 54.56 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51



Tgt Ion: 98 Resp: 451838
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5

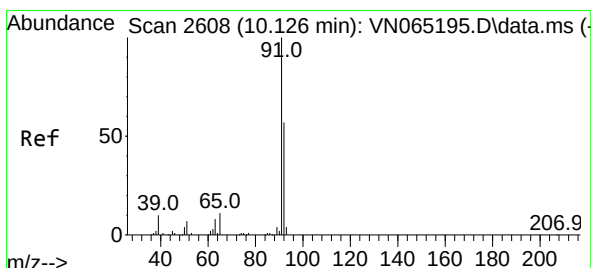
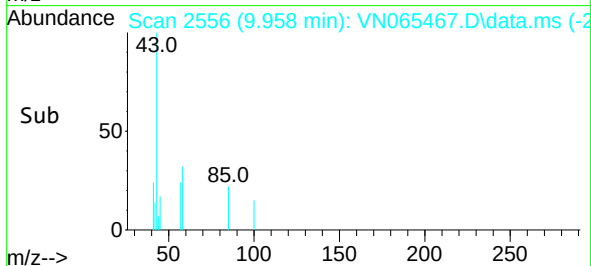
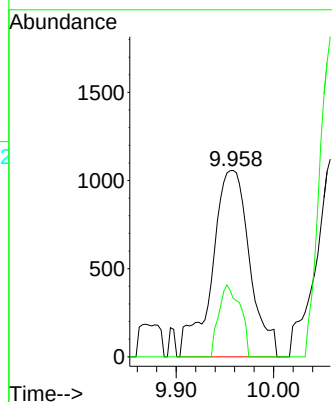
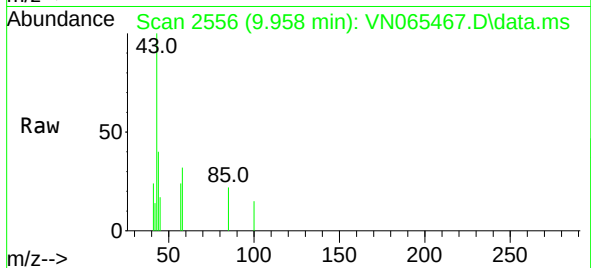




#51
4-Methyl-2-Pentanone
Concen: 0.89 ug/l
RT: 9.958 min Scan# 2556
Delta R.T. 0.003 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

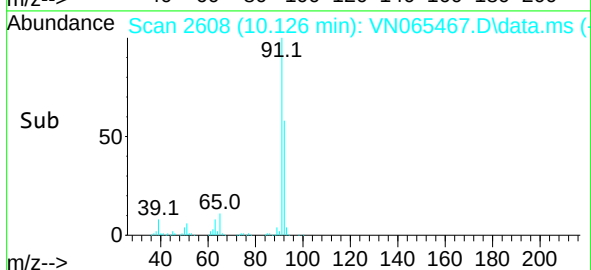
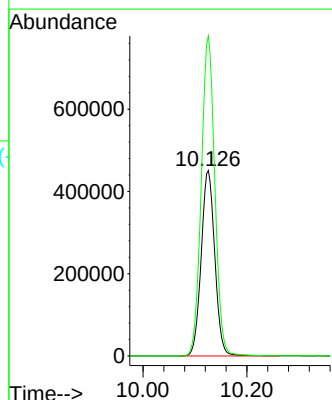
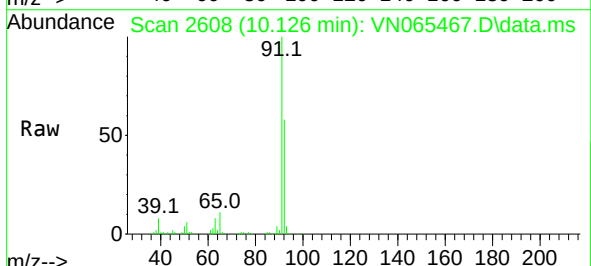
Instrument :
MSVOA_N
ClientSampled :

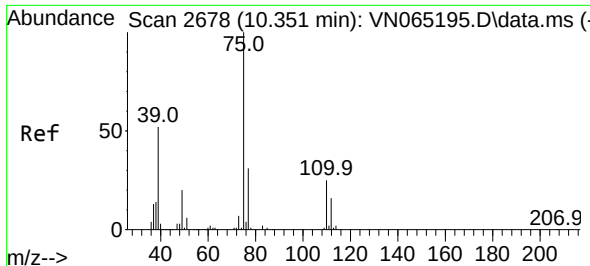
Tgt Ion: 43 Resp: 2832
Ion Ratio Lower Upper
43 100
58 21.9 32.4 48.6#



#52
Toluene
Concen: 131.01 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. -0.000 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

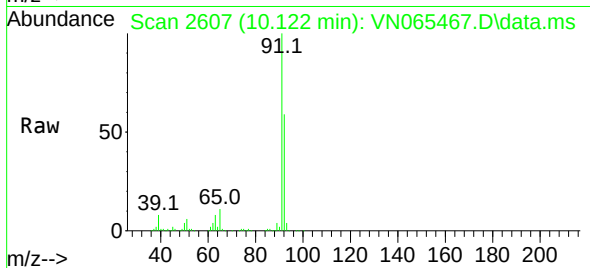
Tgt Ion: 92 Resp: 818037
Ion Ratio Lower Upper
92 100
91 172.3 139.1 208.7



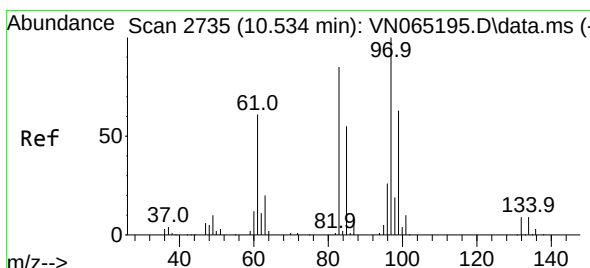
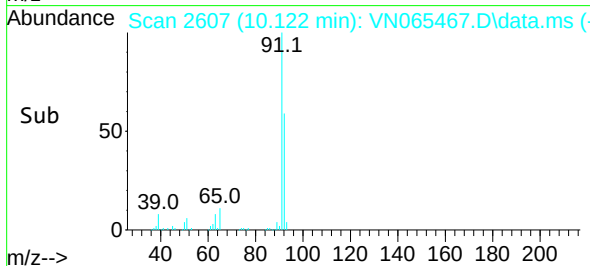
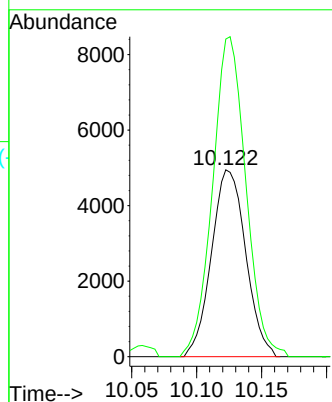


#53
t-1,3-Dichloropropene
Concen: 2.18 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. -0.229 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

Instrument :
MSVOA_N
ClientSampled :

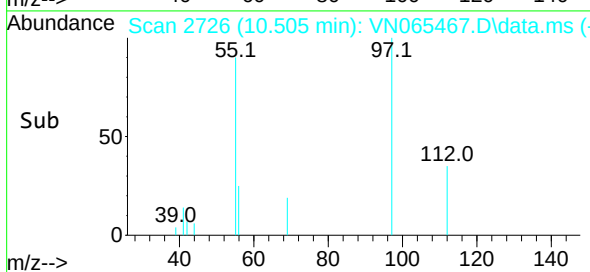
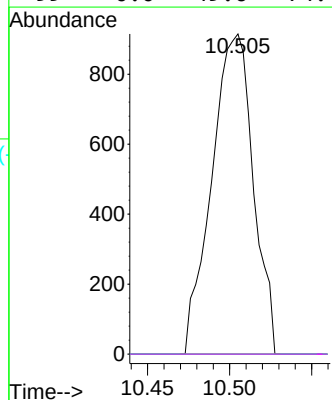
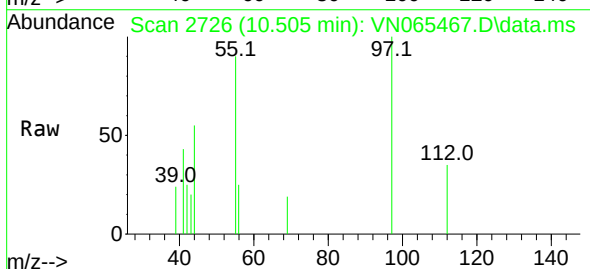


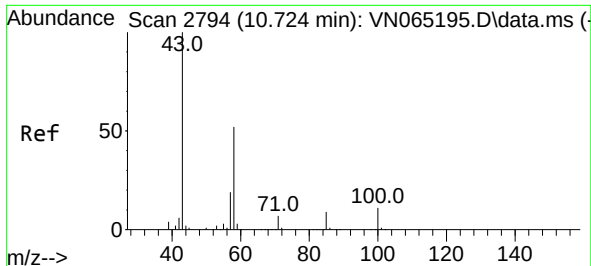
Tgt Ion: 75 Resp: 9068
Ion Ratio Lower Upper
75 100
77 169.9 25.8 38.6#



#55
1,1,2-Trichloroethane
Concen: 0.65 ug/l
RT: 10.505 min Scan# 2726
Delta R.T. -0.029 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

Tgt Ion: 97 Resp: 1614
Ion Ratio Lower Upper
97 100
83 0.0 72.1 108.1#
85 0.0 46.8 70.2#
99 0.0 49.6 74.4#

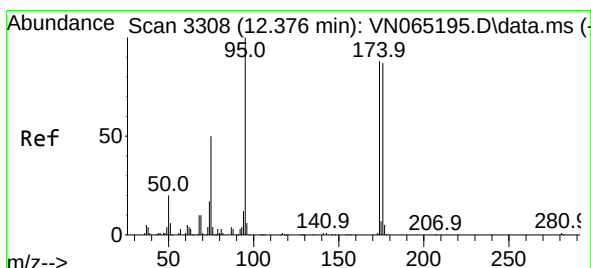
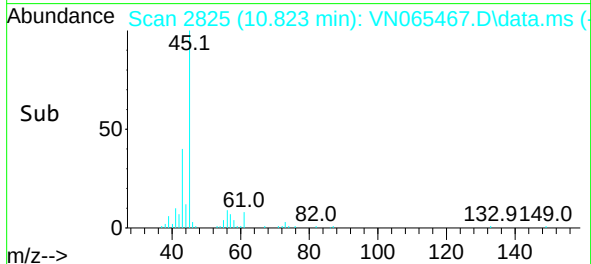
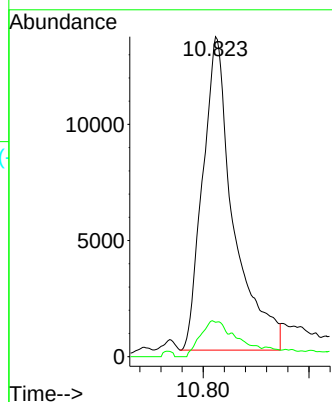
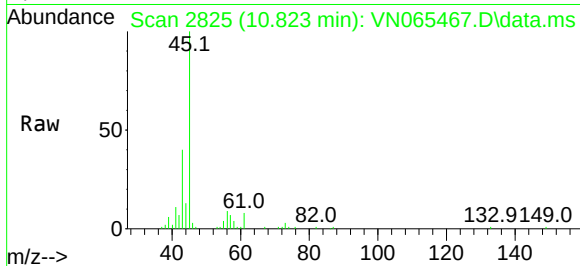




#59
2-Hexanone
Concen: 23.23 ug/l
RT: 10.823 min Scan# 2825
Delta R.T. 0.099 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

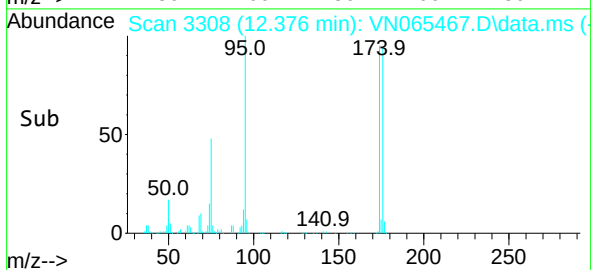
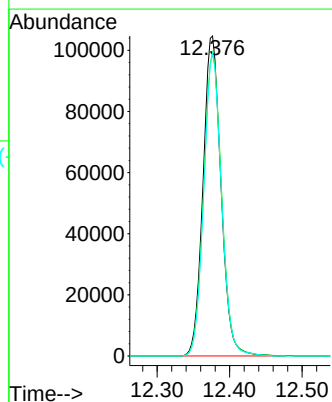
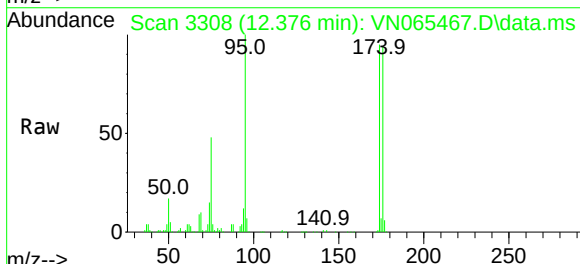
Instrument :
MSVOA_N
ClientSampled :

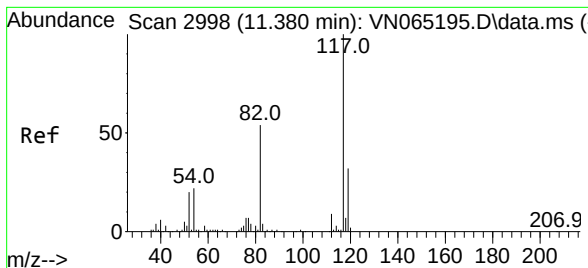
Tgt Ion: 43 Resp: 54613
Ion Ratio Lower Upper
43 100
58 9.3 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 54.49 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

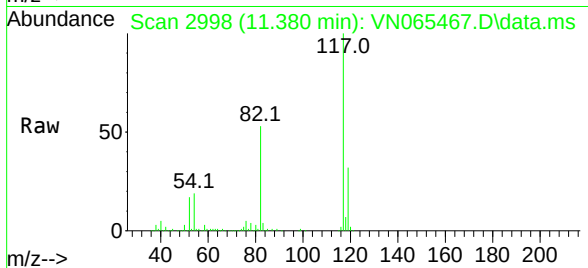
Tgt Ion: 95 Resp: 180155
Ion Ratio Lower Upper
95 100
174 95.3 0.0 160.4
176 93.3 0.0 158.4



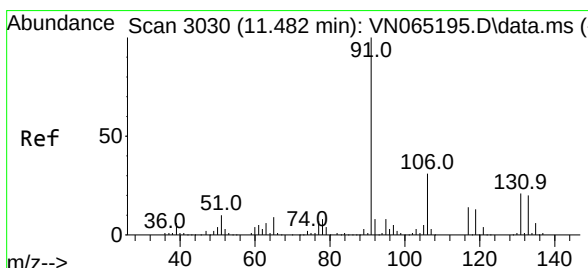
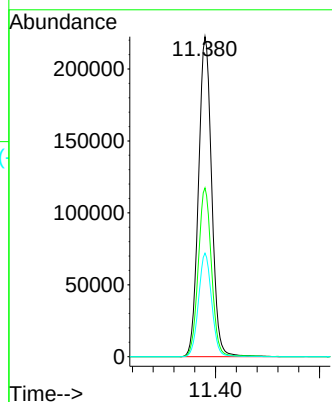
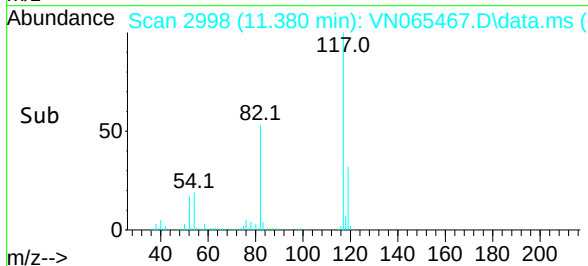


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

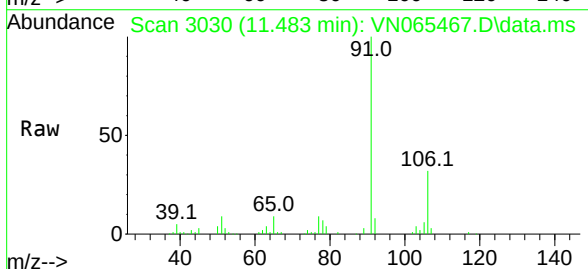
Instrument :
MSVOA_N
ClientSampleId :



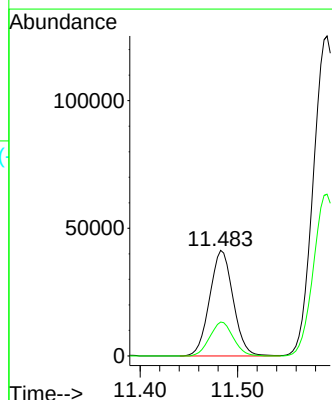
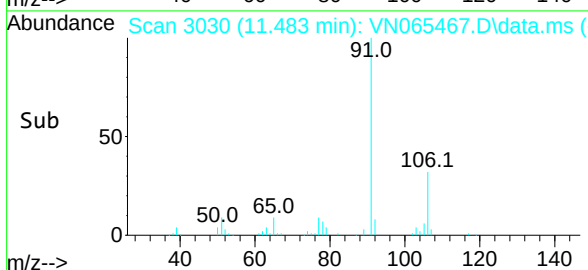
Tgt Ion:117 Resp: 391665
Ion Ratio Lower Upper
117 100
82 52.8 44.2 66.2
119 32.3 25.8 38.6

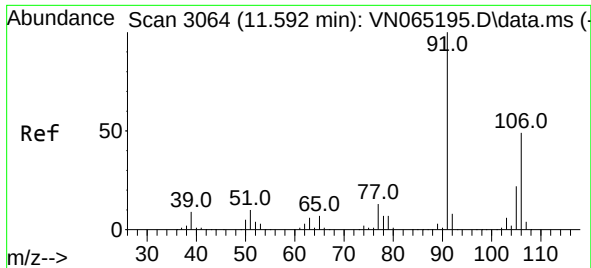


#67
Ethyl Benzene
Concen: 4.82 ug/l
RT: 11.483 min Scan# 3030
Delta R.T. 0.001 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51



Tgt Ion: 91 Resp: 69279
Ion Ratio Lower Upper
91 100
106 32.2 25.2 37.8

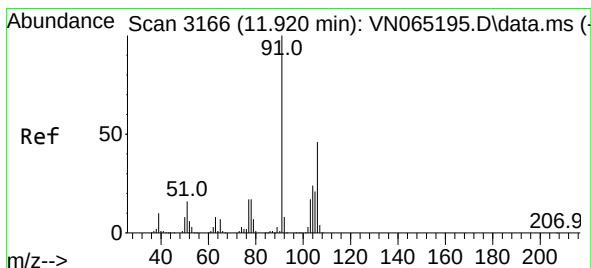
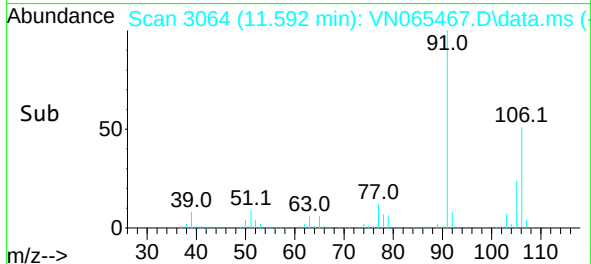
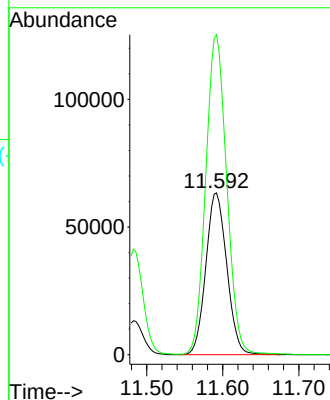
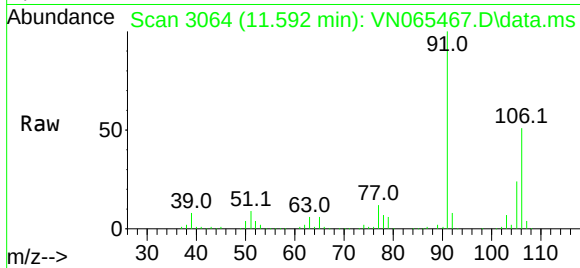




#68
m/p-Xylenes
Concen: 22.42 ug/l
RT: 11.592 min Scan# 3064
Delta R.T. -0.000 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

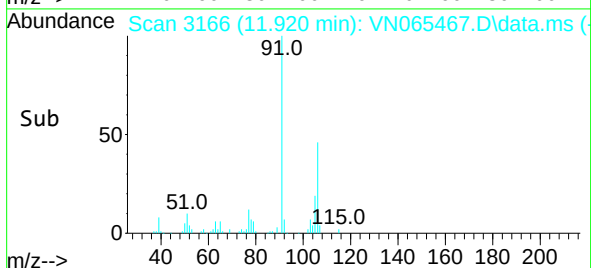
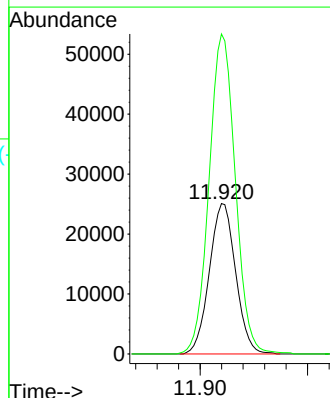
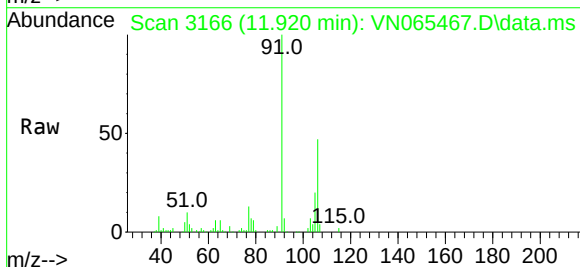
Instrument :
MSVOA_N
ClientSampleId :

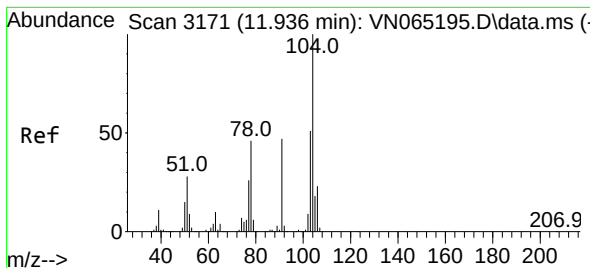
Tgt Ion:106 Resp: 121314
Ion Ratio Lower Upper
106 100
91 196.7 161.0 241.4



#69
o-Xylene
Concen: 8.10 ug/l
RT: 11.920 min Scan# 3166
Delta R.T. -0.000 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

Tgt Ion:106 Resp: 42581
Ion Ratio Lower Upper
106 100
91 212.6 105.5 316.5





#70

Styrene

Concen: 0.80 ug/l

RT: 11.936 min Scan# 3171

Delta R.T. -0.000 min

Lab File: VN065467.D

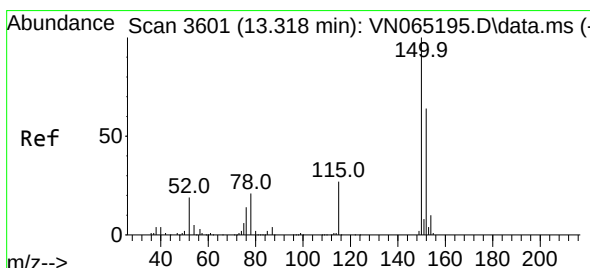
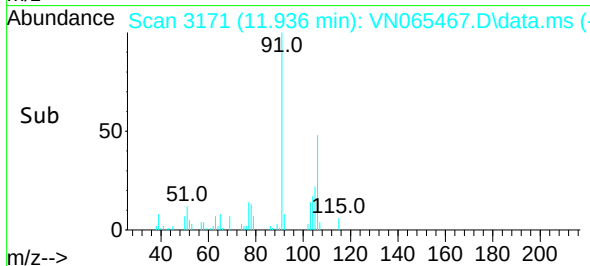
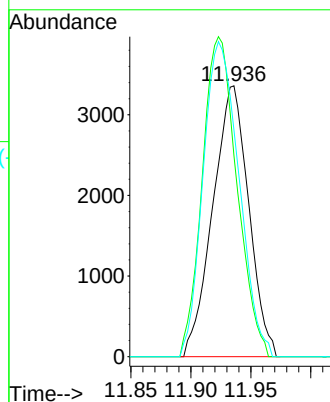
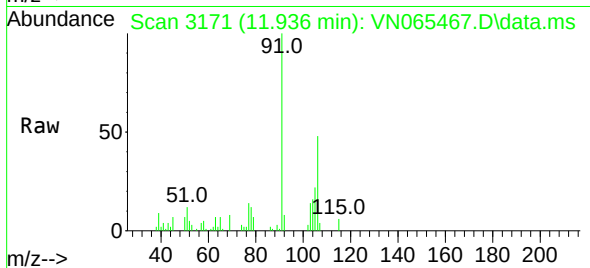
Acq: 11 Jan 2021 14:51

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	104	Resp:	6981
Ion Ratio	Lower	Upper	
104	100		
78	114.0	39.0	58.6#
103	116.2	44.3	66.5#



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

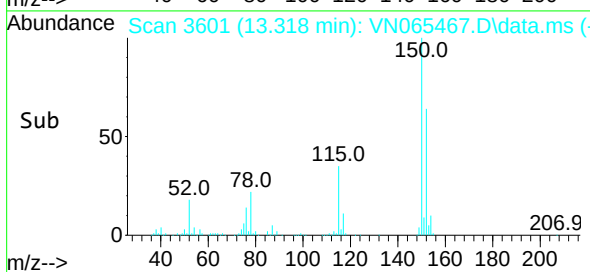
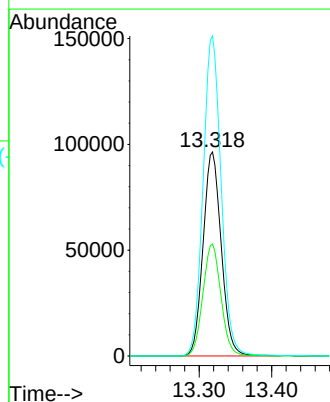
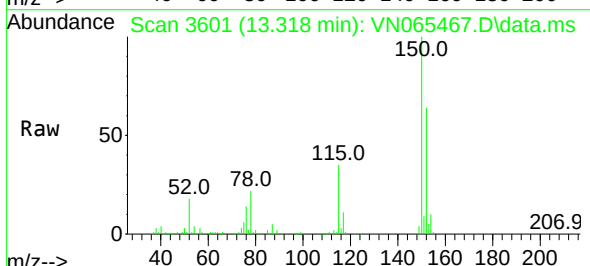
RT: 13.318 min Scan# 3601

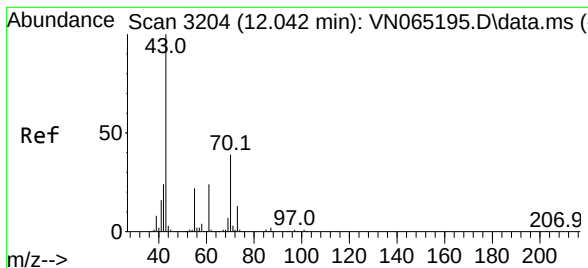
Delta R.T. 0.000 min

Lab File: VN065467.D

Acq: 11 Jan 2021 14:51

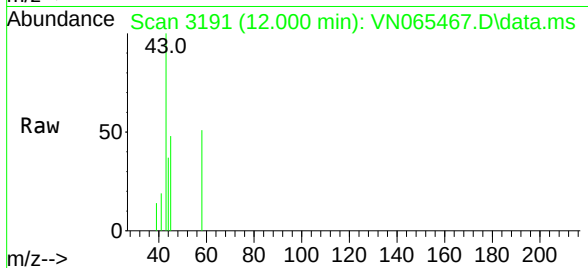
Tgt Ion:	152	Resp:	167681
Ion Ratio	Lower	Upper	
152	100		
115	54.4	29.7	89.1
150	155.8	0.0	350.6



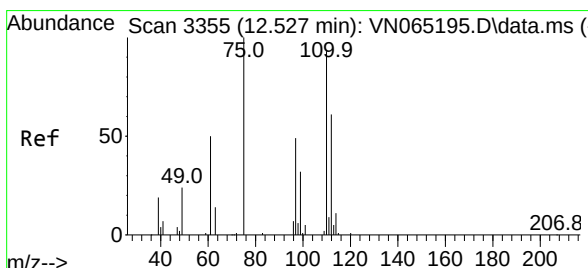
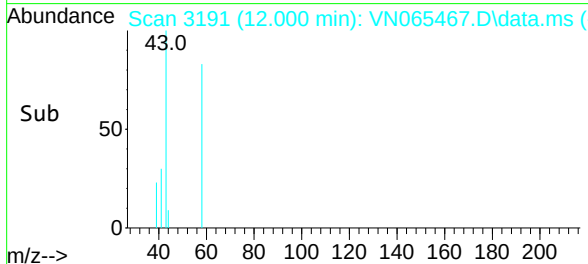
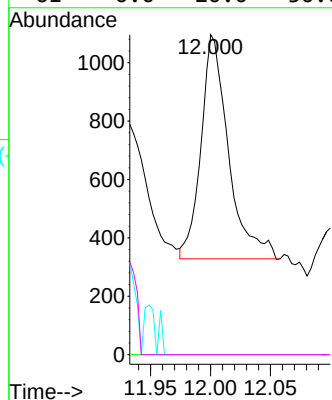


#74
N-amy1 acetate
Concen: 0.24 ug/l
RT: 12.000 min Scan# 3191
Delta R.T. -0.042 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

Instrument :
MSVOA_N
ClientSampleId :

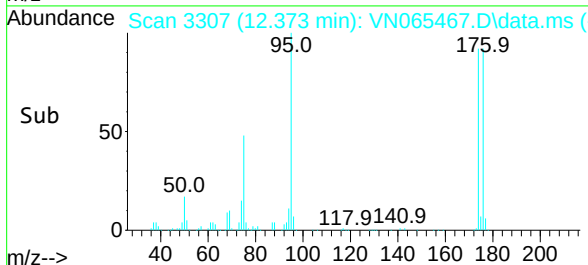
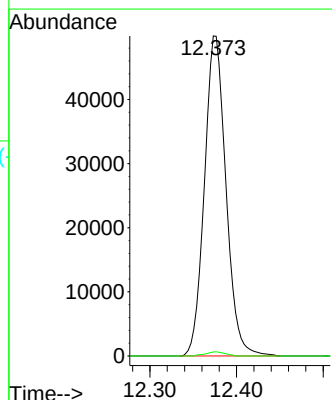
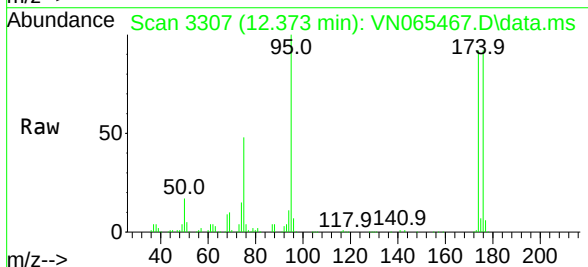


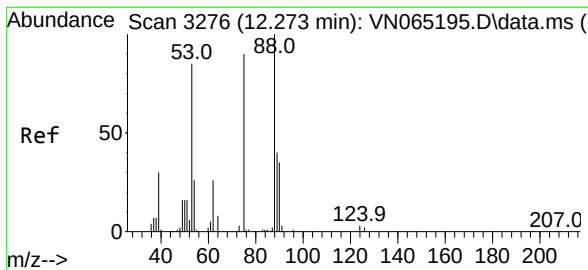
Tgt Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
70 0.0 34.5 51.7#
55 0.0 20.4 30.6#
61 0.0 20.0 30.0#



#76
1,2,3-Trichloropropane
Concen: 25.20 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.154 min
Lab File: VN065467.D
Acq: 11 Jan 2021 14:51

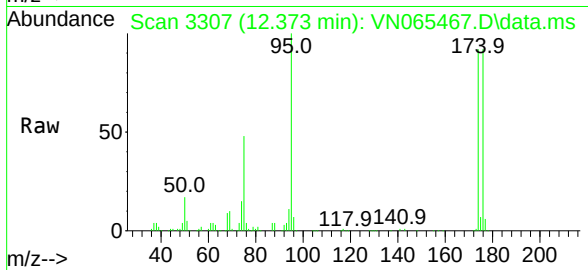
Tgt Ion: 75 Resp: 86216
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.55 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. 0.100 min
 Lab File: VN065467.D
 Acq: 11 Jan 2021 14:51

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	86216
Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.0	100.4#
89	0.0	39.6	59.4#

