

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123020\
 Data File : VN065322.D
 Acq On : 30 Dec 2020 15:57
 Operator : JC/MD
 Sample : L5223-01MEDL 40X
 Misc : 2.09g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

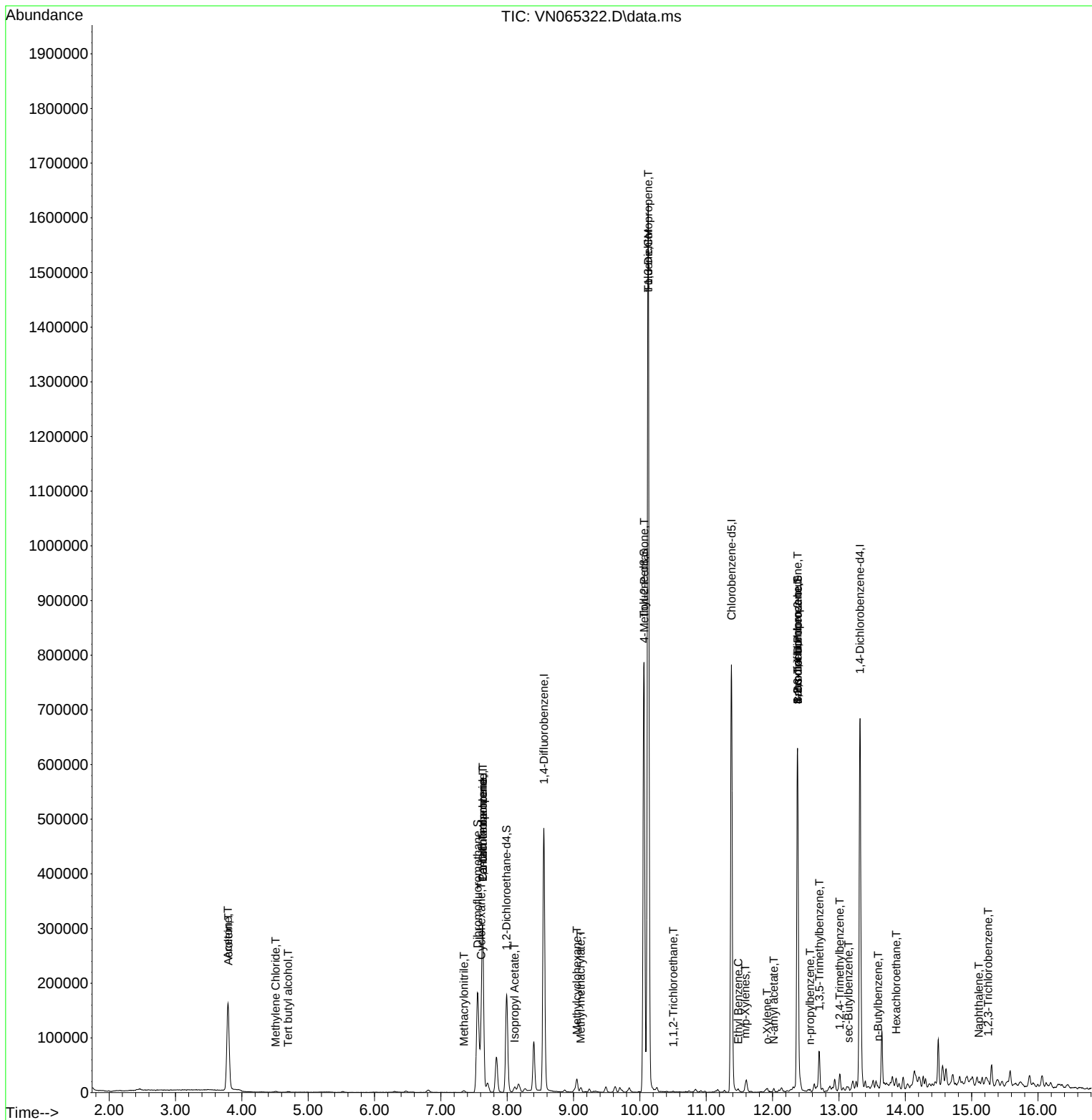
Quant Time: Dec 31 03:03:23 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

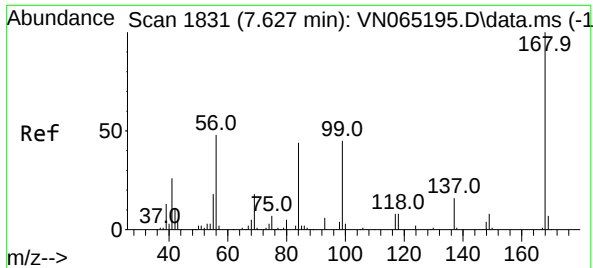
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.631	168	274402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	451990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	479690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	203446	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	155607	50.23	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.46%			
35) Dibromofluoromethane	7.553	113	140031	51.35	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.70%			
50) Toluene-d8	10.061	98	568765	55.65	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 111.30%			
62) 4-Bromofluorobenzene	12.376	95	222273	54.48	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.96%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.698	59	993	1.96	ug/l #	73
13) Acrolein	3.798	56	30	2.50	ug/l #	1
16) Acetone	3.791	43	262524	199.79	ug/l	95
20) Methylene Chloride	4.508	84	1131	0.37	ug/l	84
31) Cyclohexane	7.608	56	14939	3.27	ug/l #	69
36) 1,1-Dichloropropene	7.631	75	17925	4.36	ug/l #	50
38) Carbon Tetrachloride	7.631	117	23766	5.51	ug/l #	16
39) Methylcyclohexane	9.048	83	8769	1.78	ug/l	97
41) Methacrylonitrile	7.348	41	737	0.35	ug/l #	16
43) Isopropyl Acetate	8.113	43	5476	0.78	ug/l #	59
48) Methyl methacrylate	9.110	41	2084	0.61	ug/l #	27
51) 4-Methyl-2-Pentanone	10.065	43	2133	0.54	ug/l #	1
52) Toluene	10.126	92	738815	95.88	ug/l	100
53) t-1,3-Dichloropropene	10.126	75	8189	1.60	ug/l #	1
55) 1,1,2-Trichloroethane	10.505	97	685	0.22	ug/l #	14
67) Ethyl Benzene	11.482	91	3820	0.22	ug/l	96
68) m/p-Xylenes	11.592	106	4007	0.60	ug/l	92
69) o-Xylene	11.920	106	1555	0.24	ug/l	73
71) Bromoform	12.376	173	1472	0.45	ug/l #	1
74) N-amyl acetate	12.019	43	1528	0.25	ug/l #	60
76) 1,2,3-Trichloropropane	12.376	75	108503	26.14	ug/l #	100
78) n-propylbenzene	12.566	91	3948	0.23	ug/l	100
80) 1,3,5-Trimethylbenzene	12.707	105	5362	0.41	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.376	75	108503	65.92	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.013	105	17747	1.38	ug/l	97
85) sec-Butylbenzene	13.145	105	3020	0.20	ug/l	89
89) n-Butylbenzene	13.588	91	3411	0.29	ug/l #	81
90) Hexachloroethane	13.865	117	733	0.31	ug/l #	9
95) Naphthalene	15.109	128	1378	3.49	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.251	180	102	3.25	ug/l #	1

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

Quant Time: Dec 31 03:03:23 2020
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

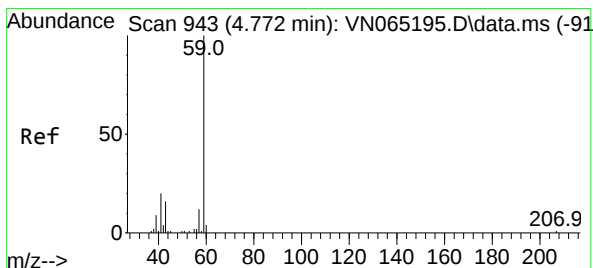
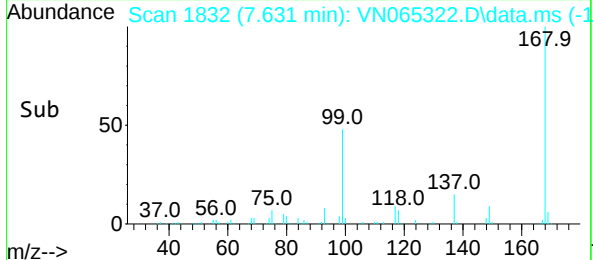
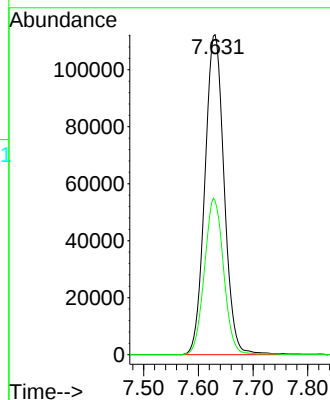
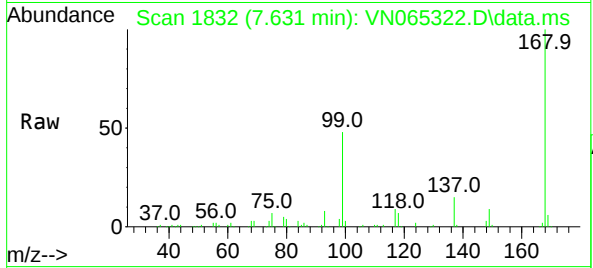




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.004 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

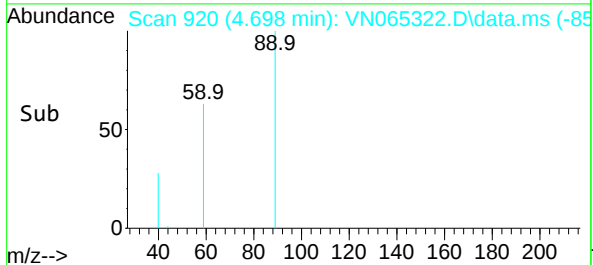
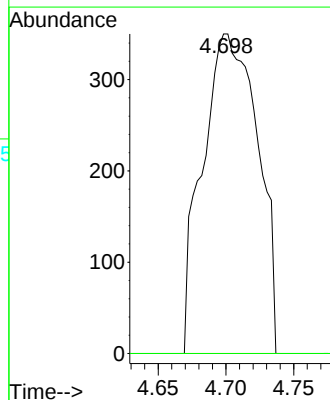
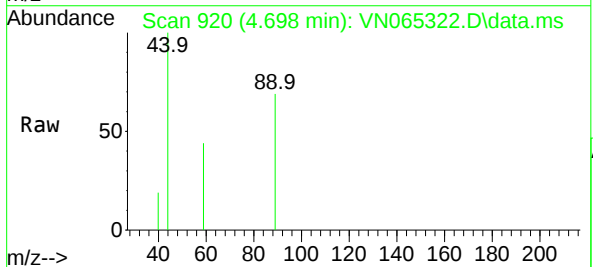
Instrument :
MSVOA_N
ClientSampleId :

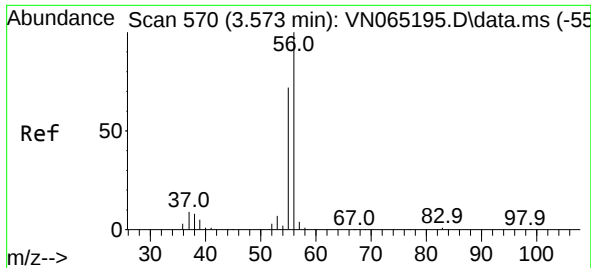
Tgt Ion:168 Resp: 274402
Ion Ratio Lower Upper
168 100
99 48.1 43.0 64.4



#11
Tert butyl alcohol
Concen: 1.96 ug/l
RT: 4.698 min Scan# 920
Delta R.T. -0.074 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

Tgt Ion: 59 Resp: 993
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

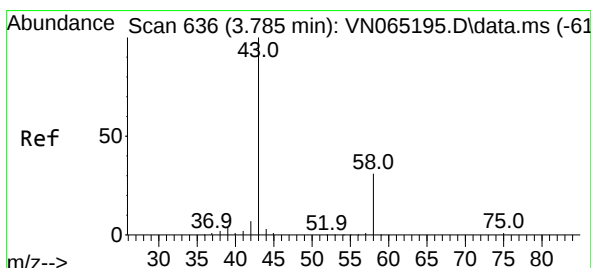
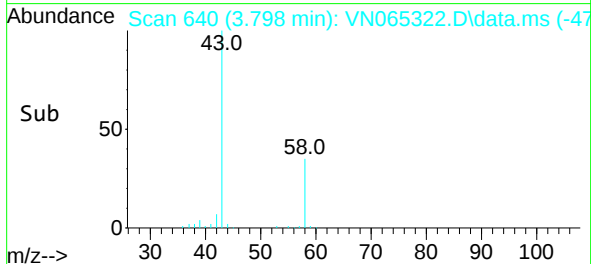
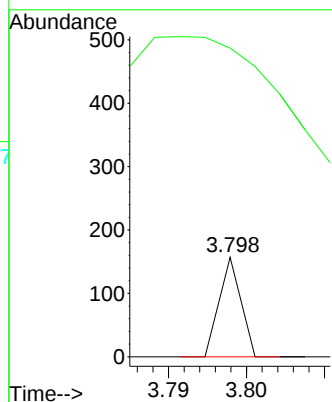
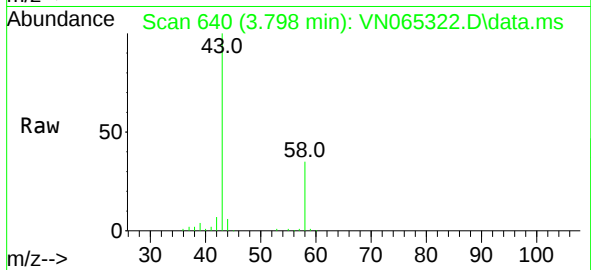




#13
Acrolein
Concen: 2.50 ug/l
RT: 3.798 min Scan# 640
Delta R.T. 0.225 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

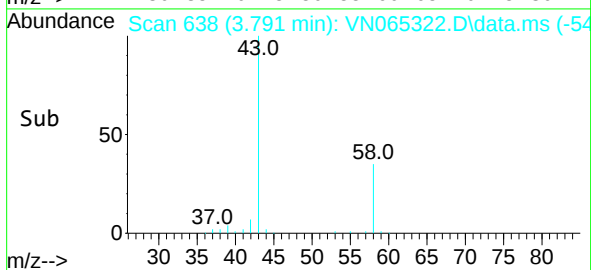
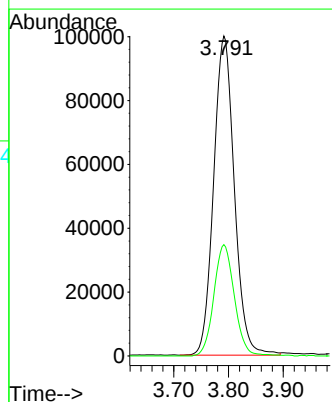
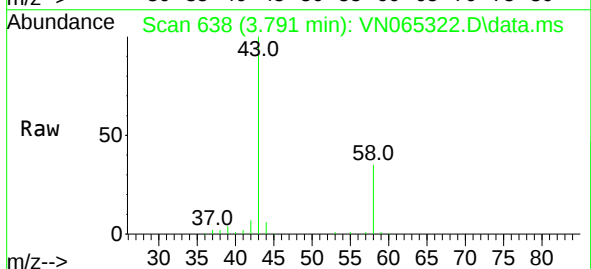
Instrument :
MSVOA_N
ClientSampled :

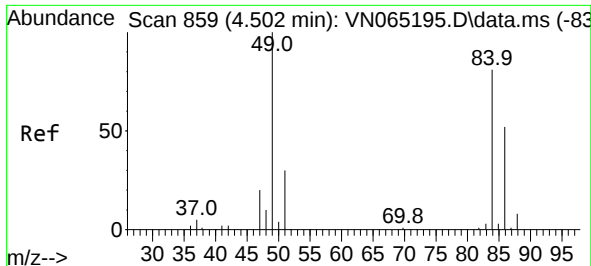
Tgt Ion: 56 Resp: 30
Ion Ratio Lower Upper
56 100
55 5476.7 56.5 84.7#



#16
Acetone
Concen: 199.79 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.006 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

Tgt Ion: 43 Resp: 262524
Ion Ratio Lower Upper
43 100
58 34.9 25.7 38.5





#20

Methylene Chloride

Concen: 0.37 ug/l

RT: 4.508 min Scan# 861

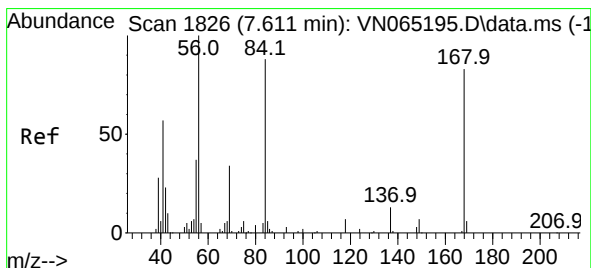
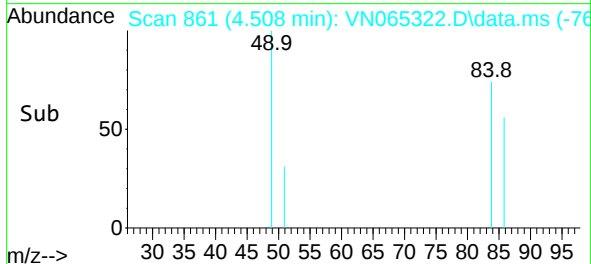
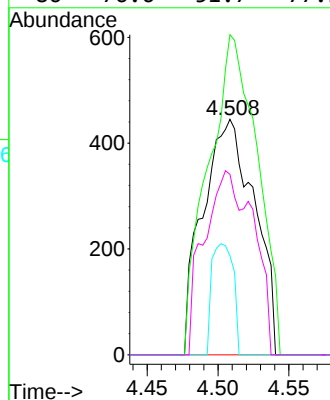
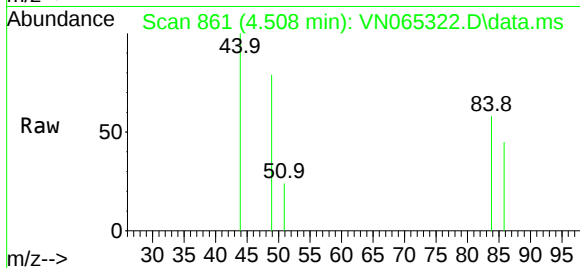
Delta R.T. 0.006 min

Lab File: VN065322.D

Acq: 30 Dec 2020 15:57

Tgt Ion: 84 Resp: 1131

Ion	Ratio	Lower	Upper
84	100		
49	136.0	93.4	140.0
51	42.0	28.2	42.4
86	76.6	51.7	77.5



#31

Cyclohexane

Concen: 3.27 ug/l

RT: 7.608 min Scan# 1825

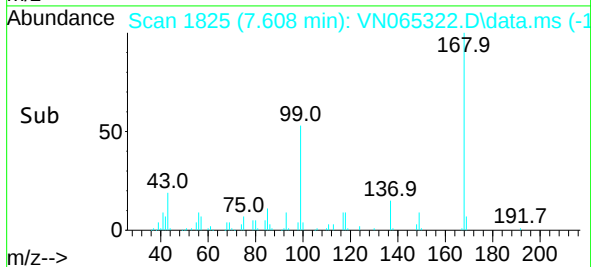
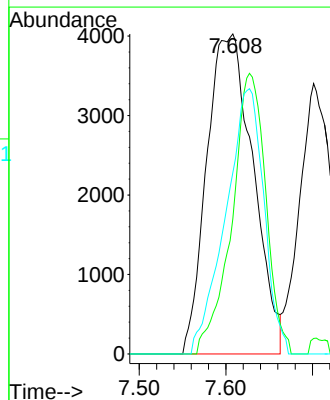
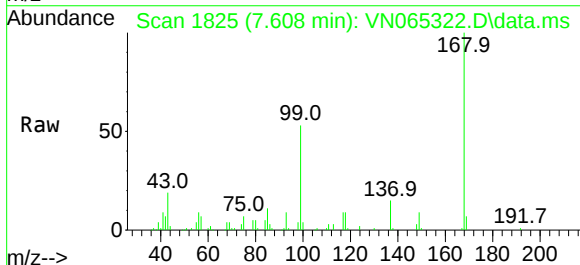
Delta R.T. -0.003 min

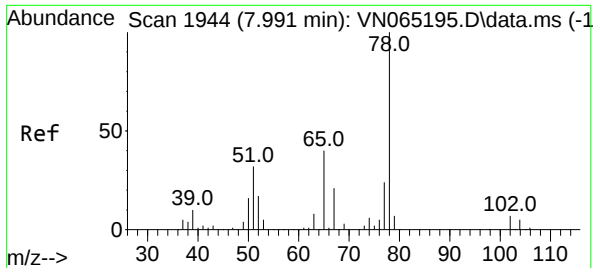
Lab File: VN065322.D

Acq: 30 Dec 2020 15:57

Tgt Ion: 56 Resp: 14939

Ion	Ratio	Lower	Upper
56	100		
69	42.2	27.5	41.3#
84	56.6	73.9	110.9#

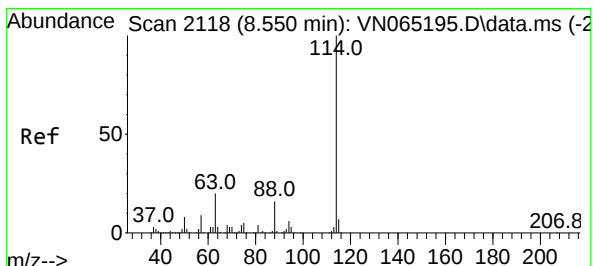
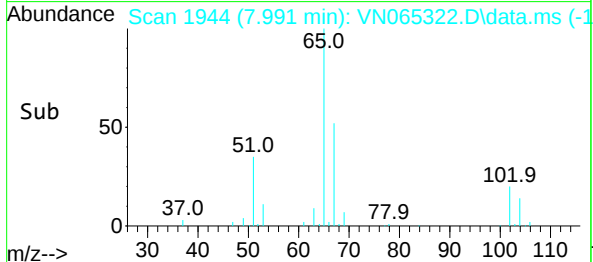
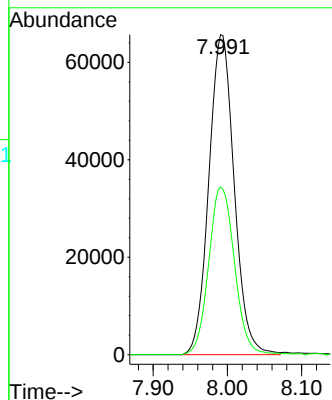
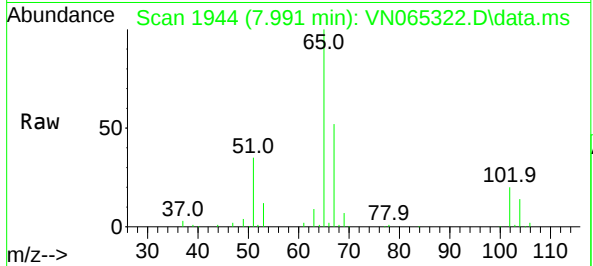




#33
1,2-Dichloroethane-d4
Concen: 50.23 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

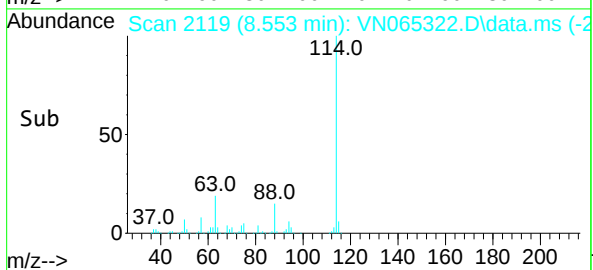
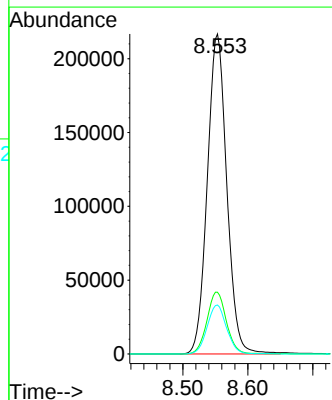
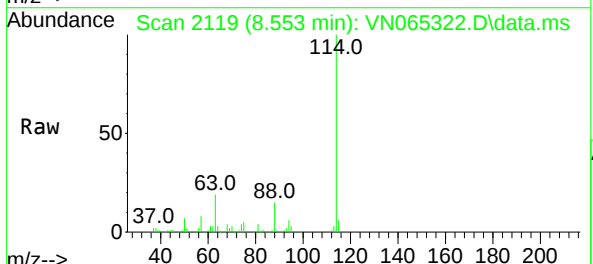
Instrument :
MSVOA_N
ClientSampled :

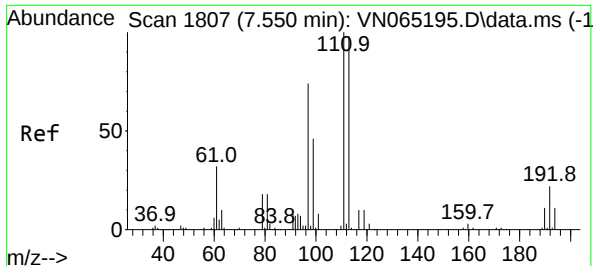
Tgt Ion: 65 Resp: 155607
Ion Ratio Lower Upper
65 100
67 53.5 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

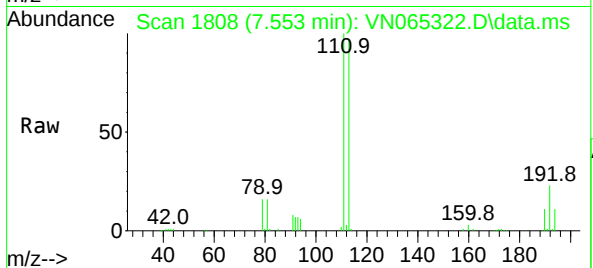
Tgt Ion: 114 Resp: 451990
Ion Ratio Lower Upper
114 100
63 19.3 0.0 38.6
88 15.3 0.0 32.6



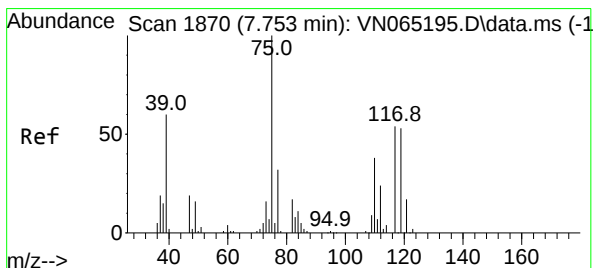
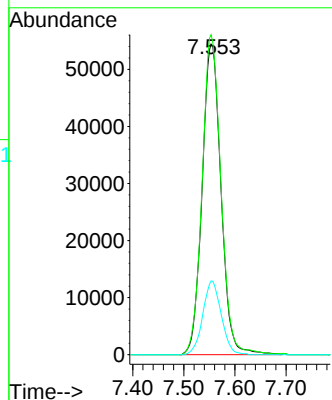
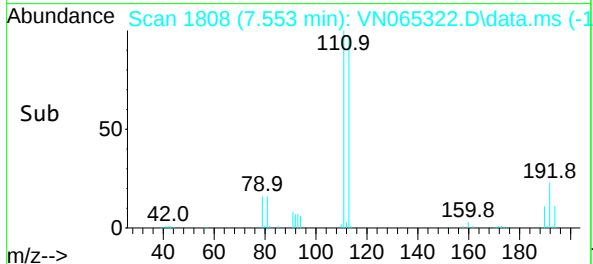


#35
Dibromofluoromethane
Concen: 51.35 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

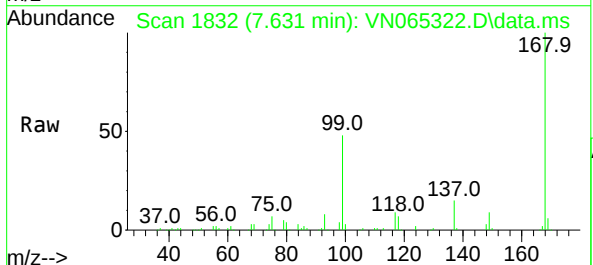
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MSVOA_N
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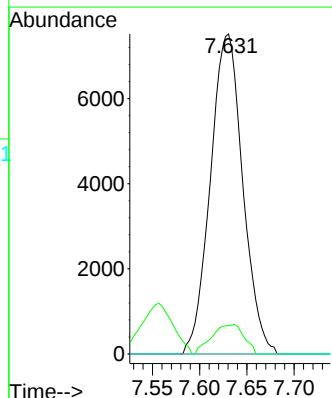
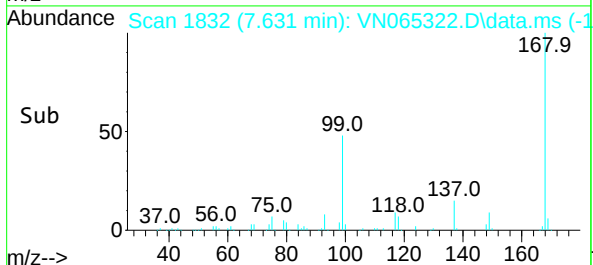
Tgt Ion:113 Resp: 140031
Ion Ratio Lower Upper
113 100
111 102.5 81.6 122.4
192 23.1 16.2 24.2

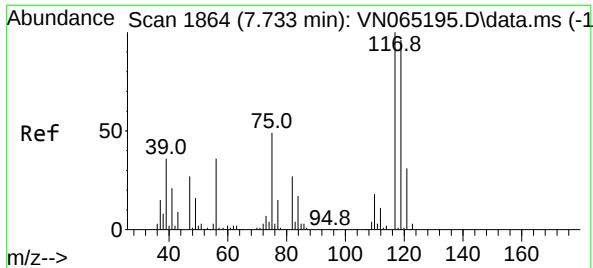


#36
1,1-Dichloropropene
Concen: 4.36 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.122 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57



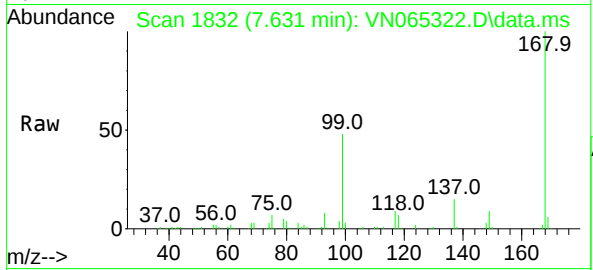
Tgt Ion: 75 Resp: 17925
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.3#
77 0.0 25.0 37.4#



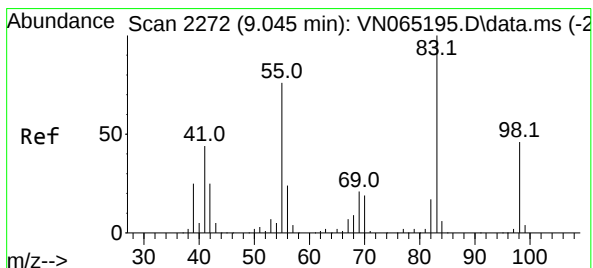
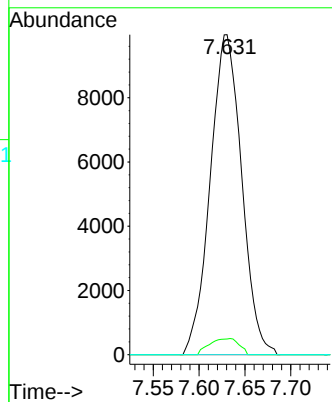
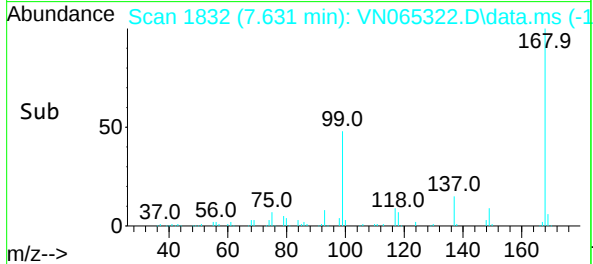


#38
Carbon Tetrachloride
Concen: 5.51 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.102 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

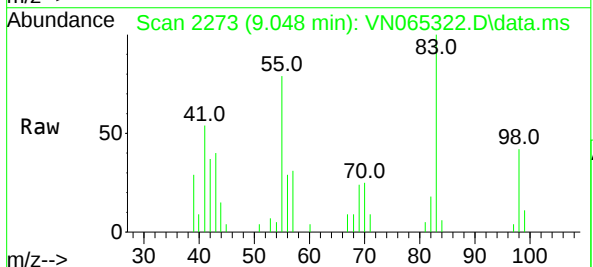
Instrument :
MSVOA_N
ClientSampleId :



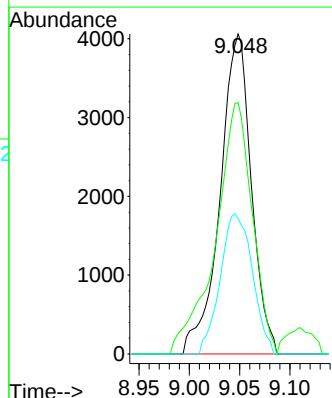
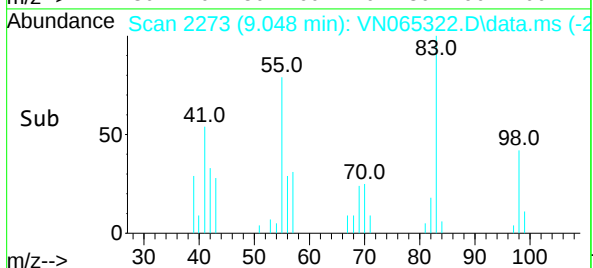
Tgt Ion:117 Resp: 23766
Ion Ratio Lower Upper
117 100
119 4.9 76.7 115.1#
121 0.0 25.4 38.2#

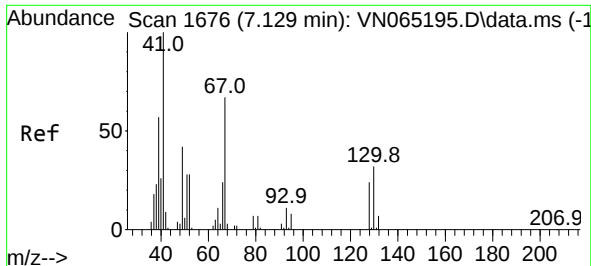


#39
Methylcyclohexane
Concen: 1.78 ug/l
RT: 9.048 min Scan# 2273
Delta R.T. 0.003 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57



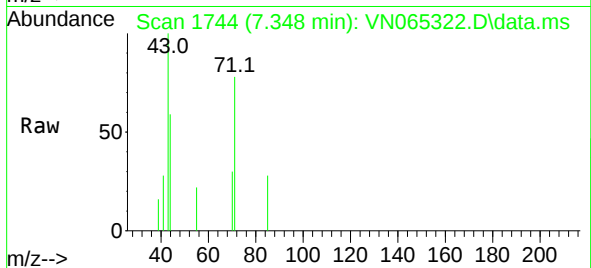
Tgt Ion: 83 Resp: 8769
Ion Ratio Lower Upper
83 100
55 74.6 60.2 90.2
98 42.3 37.4 56.2



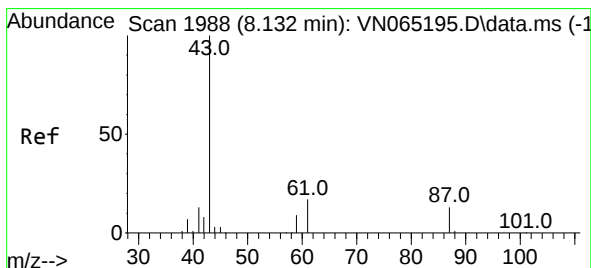
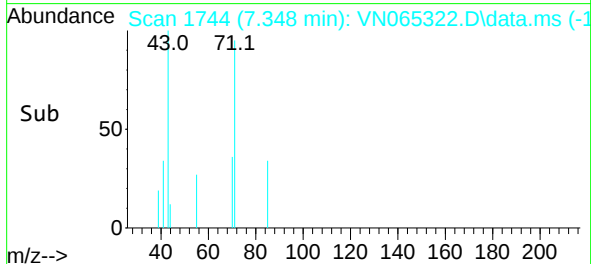
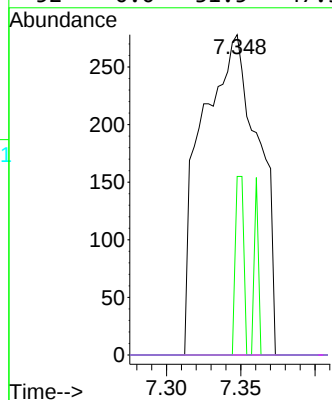


#41
Methacrylonitrile
Concen: 0.35 ug/l
RT: 7.348 min Scan# 1744
Delta R.T. 0.219 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

Instrument :
MSVOA_N
ClientSampled :

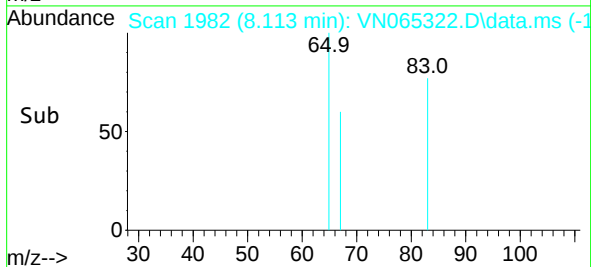
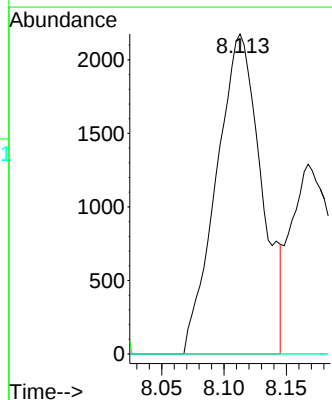
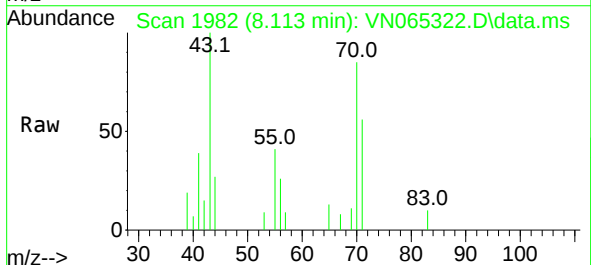


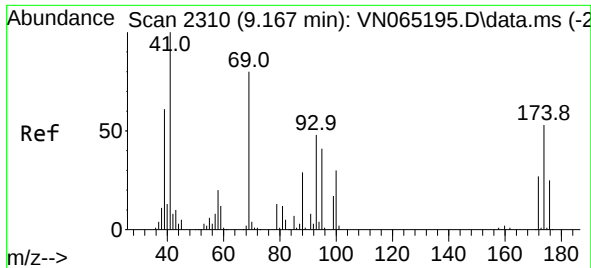
Tgt Ion: 41	Resp: 737
Ion Ratio	Lower Upper
41 100	
39 8.1	51.0 76.6#
67 0.0	79.8 119.8#
52 0.0	31.5 47.3#



#43
Isopropyl Acetate
Concen: 0.78 ug/l
RT: 8.113 min Scan# 1982
Delta R.T. -0.019 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

Tgt Ion: 43	Resp: 5476
Ion Ratio	Lower Upper
43 100	
61 0.0	17.2 25.8#
87 0.0	11.4 17.0#

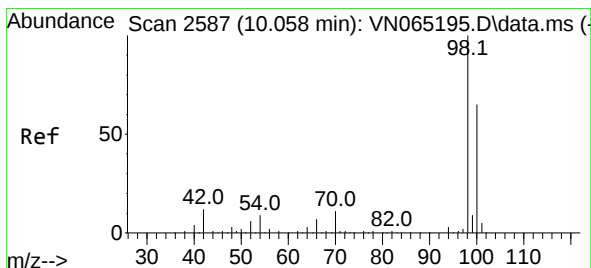
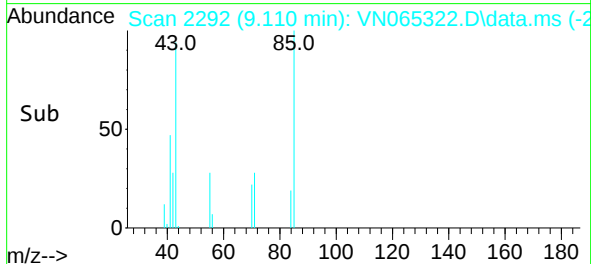
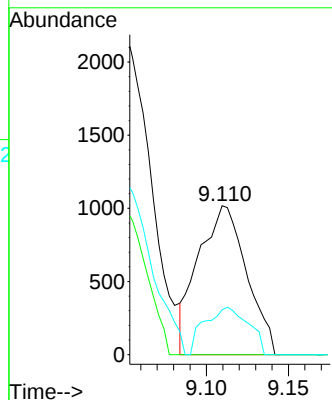
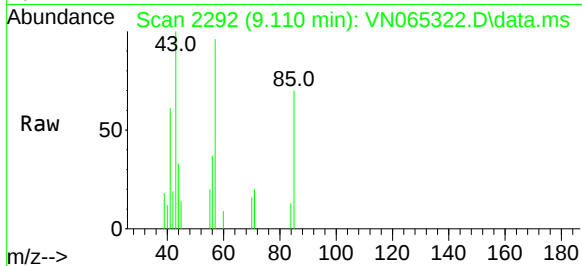




#48
Methyl methacrylate
Concen: 0.61 ug/l
RT: 9.110 min Scan# 2292
Delta R.T. -0.057 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

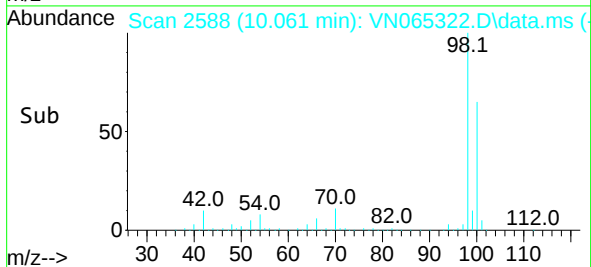
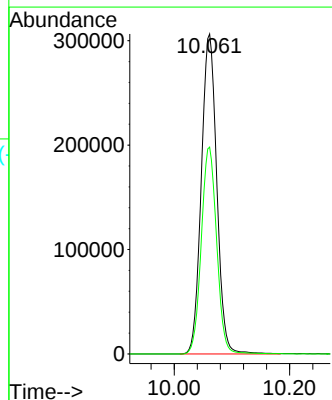
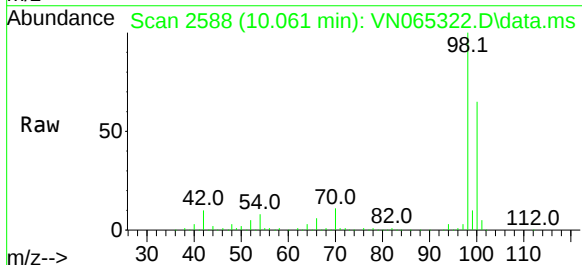
Instrument :
MSVOA_N
ClientSampled :

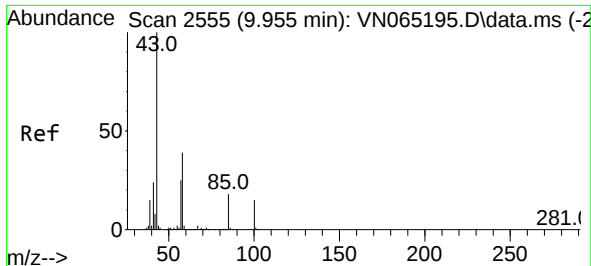
Tgt Ion: 41 Resp: 2084
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 28.9 44.1 66.1#



#50
Toluene-d8
Concen: 55.65 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

Tgt Ion: 98 Resp: 568765
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5

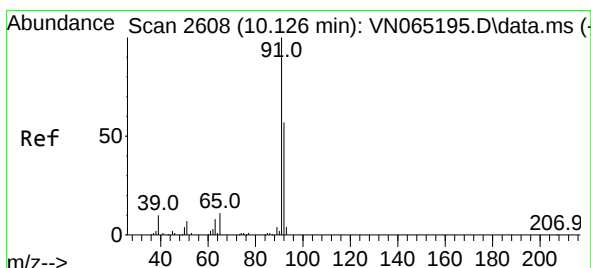
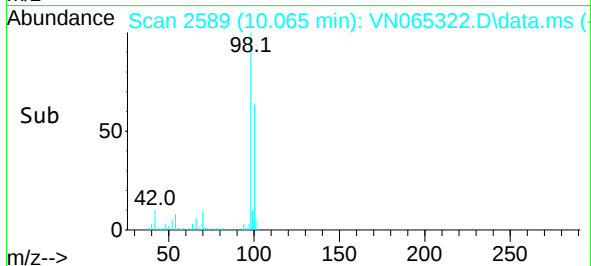
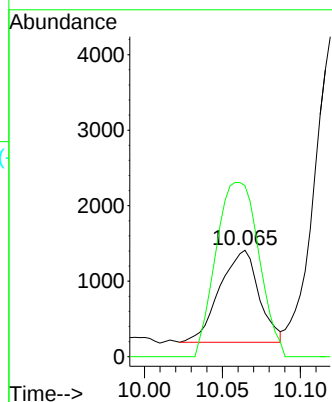
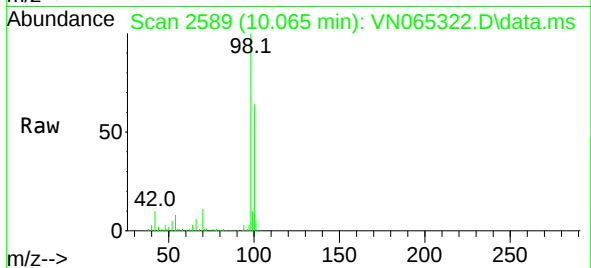




#51
4-Methyl-2-Pentanone
Concen: 0.54 ug/l
RT: 10.065 min Scan# 2589
Delta R.T. 0.110 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

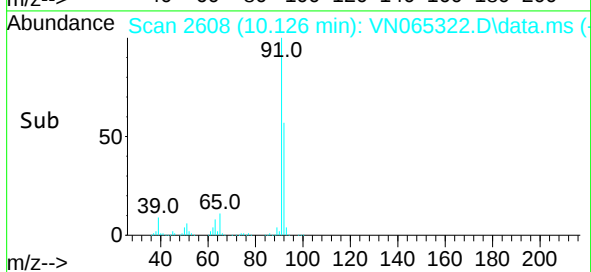
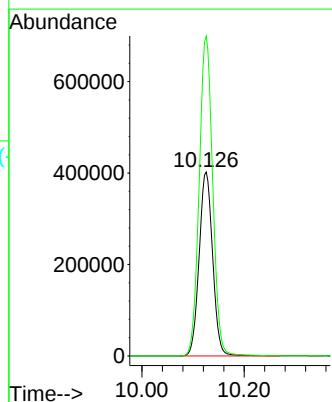
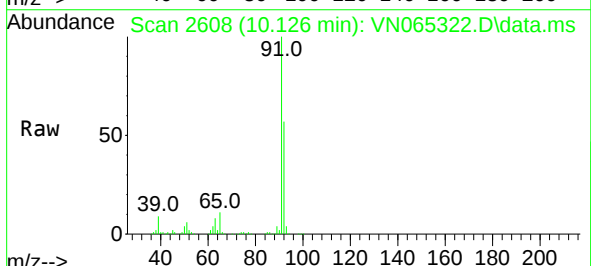
Instrument :
MSVOA_N
ClientSampled :

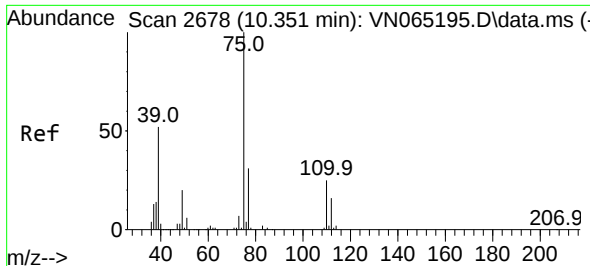
Tgt Ion: 43 Resp: 2133
Ion Ratio Lower Upper
43 100
58 207.4 32.4 48.6#



#52
Toluene
Concen: 95.88 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. -0.000 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

Tgt Ion: 92 Resp: 738815
Ion Ratio Lower Upper
92 100
91 174.3 139.1 208.7

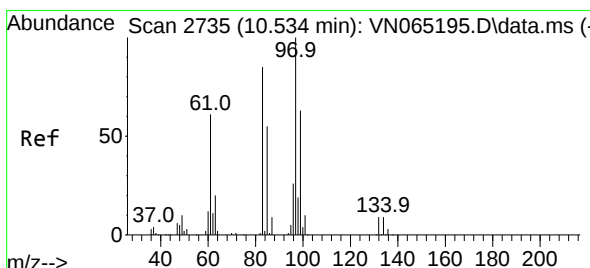
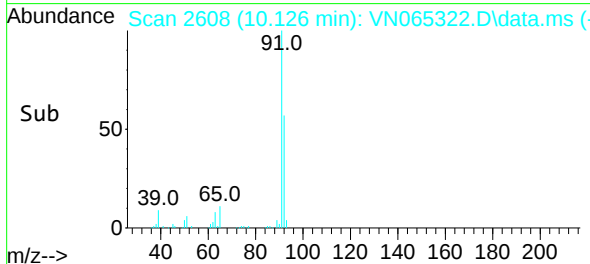
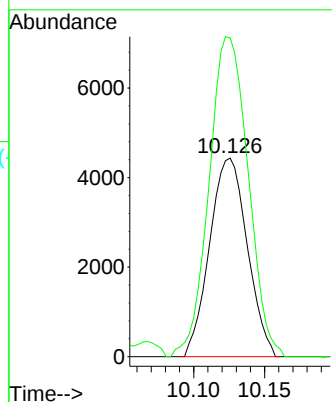
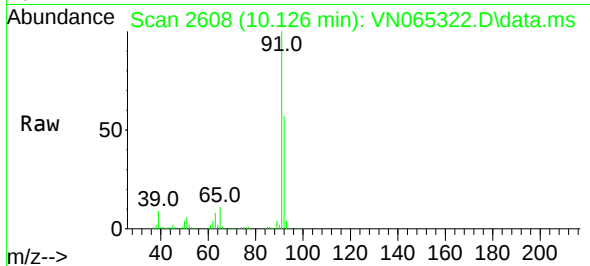




#53
t-1,3-Dichloropropene
Concen: 1.60 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. -0.225 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

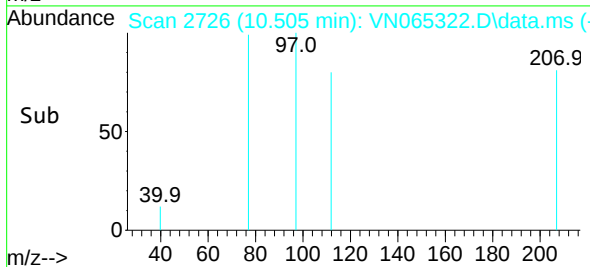
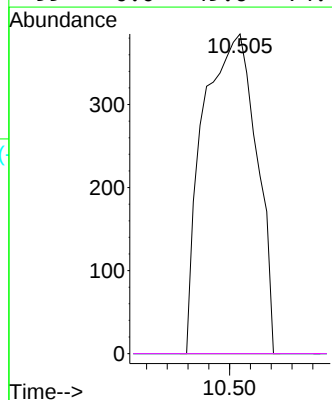
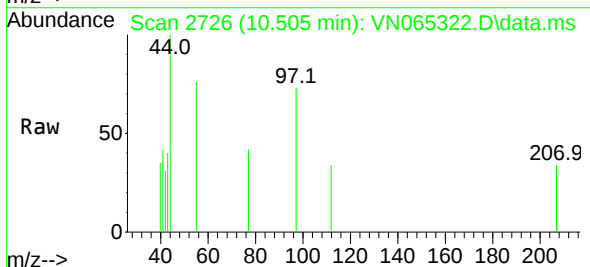
Instrument :
MSVOA_N
ClientSampled :

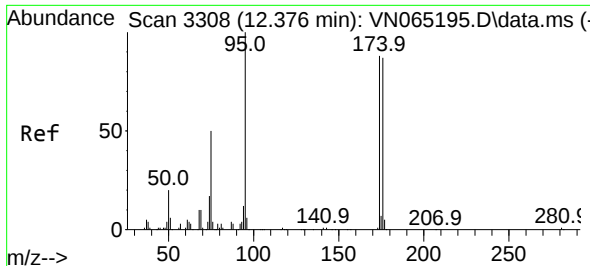
Tgt Ion: 75 Resp: 8189
Ion Ratio Lower Upper
75 100
77 156.8 25.8 38.6#



#55
1,1,2-Trichloroethane
Concen: 0.22 ug/l
RT: 10.505 min Scan# 2726
Delta R.T. -0.029 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

Tgt Ion: 97 Resp: 685
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#

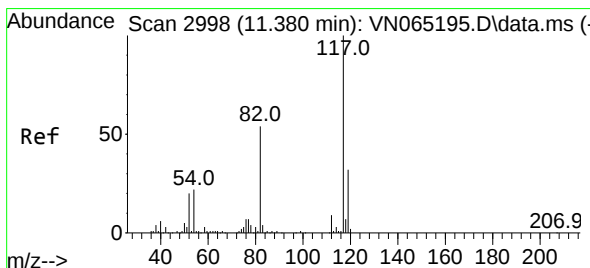
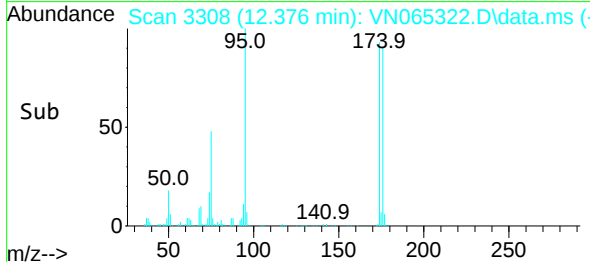
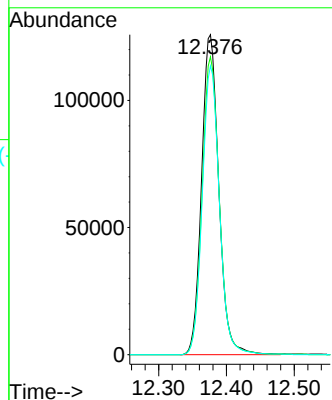
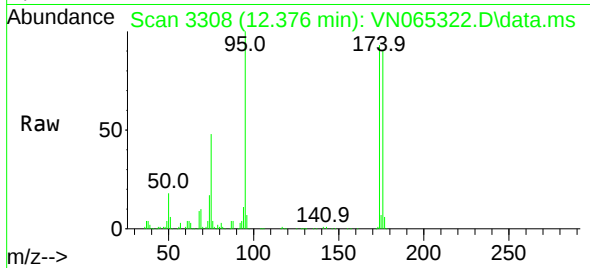




#62
4-Bromofluorobenzene
Concen: 54.48 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

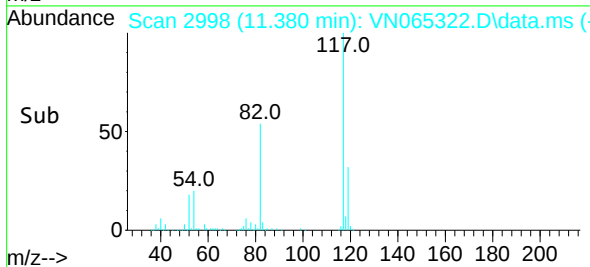
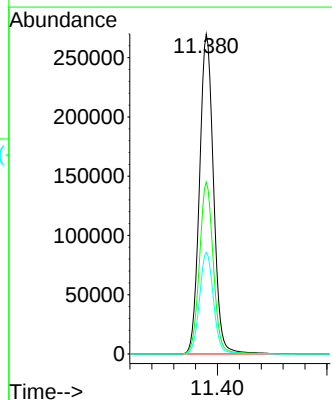
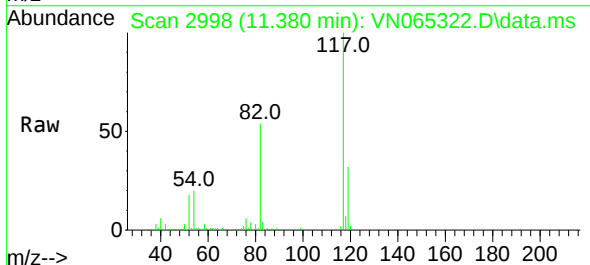
Instrument :
MSVOA_N
ClientSampled :

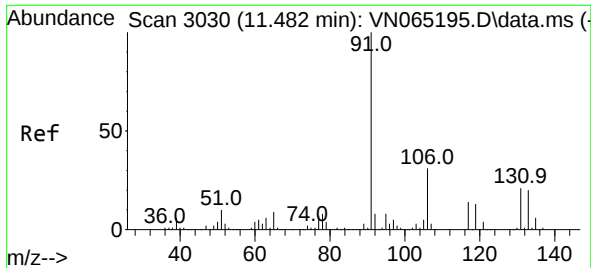
Tgt Ion: 95 Resp: 222273
Ion Ratio Lower Upper
95 100
174 92.6 0.0 160.4
176 89.7 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

Tgt Ion: 117 Resp: 479690
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.2
119 31.7 25.8 38.6

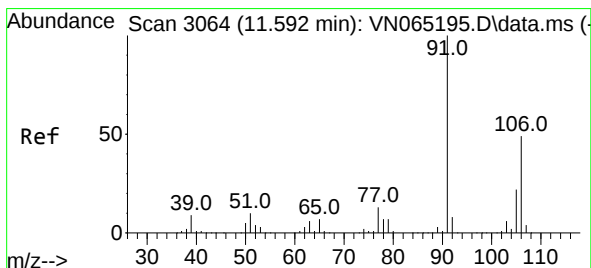
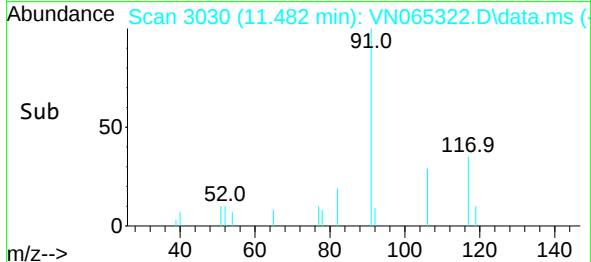
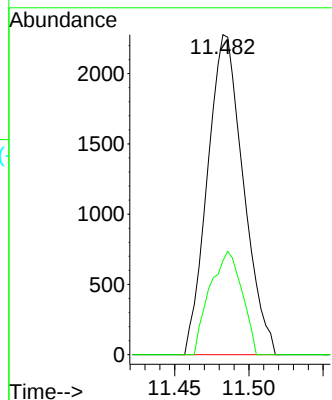
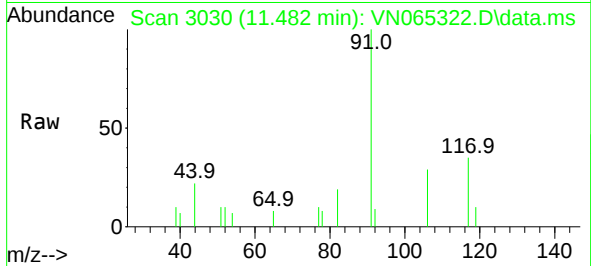




#67
Ethyl Benzene
Concen: 0.22 ug/l
RT: 11.482 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

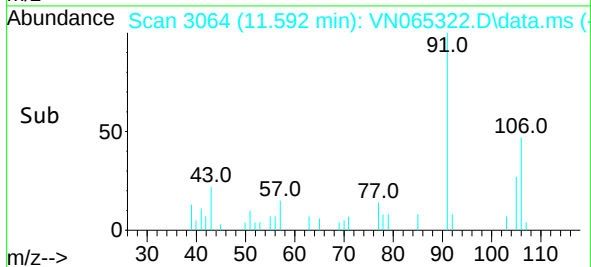
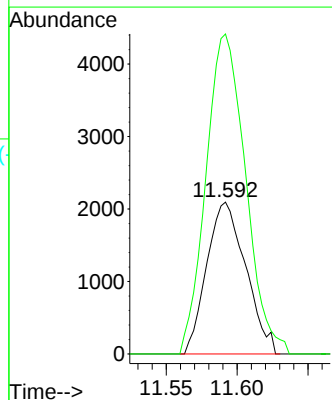
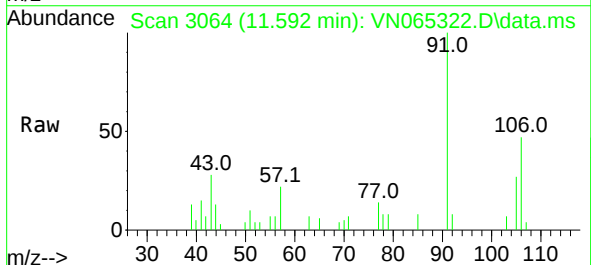
Instrument :
MSVOA_N
ClientSampled :

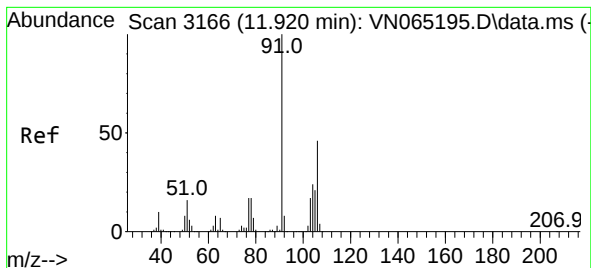
Tgt Ion: 91 Resp: 3820
Ion Ratio Lower Upper
91 100
106 29.3 25.2 37.8



#68
m/p-Xylenes
Concen: 0.60 ug/l
RT: 11.592 min Scan# 3064
Delta R.T. -0.000 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

Tgt Ion:106 Resp: 4007
Ion Ratio Lower Upper
106 100
91 214.1 161.0 241.4

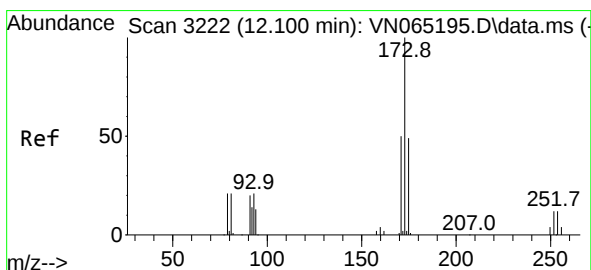
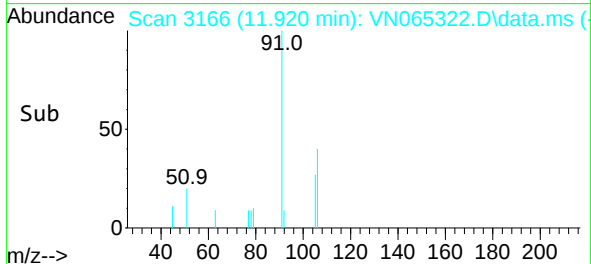
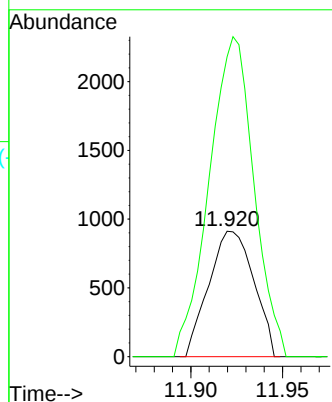
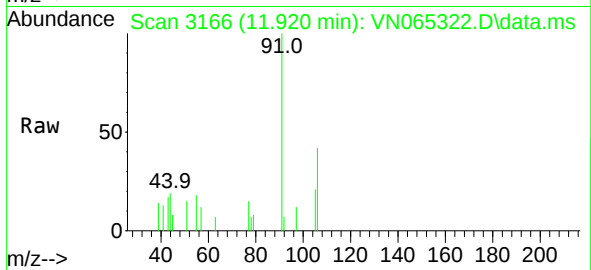




#69
o-Xylene
Concen: 0.24 ug/l
RT: 11.920 min Scan# 3166
Delta R.T. -0.000 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

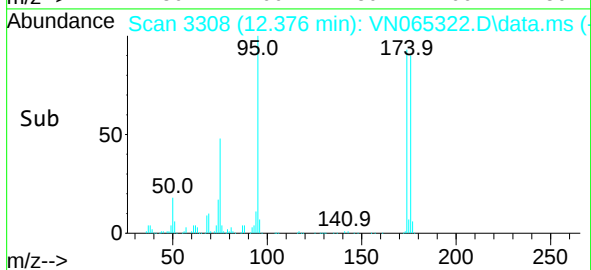
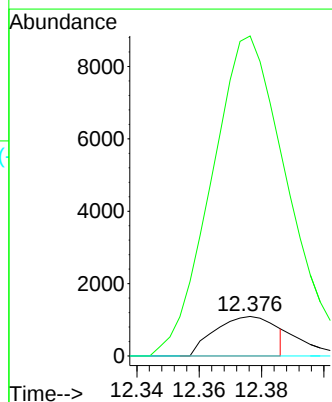
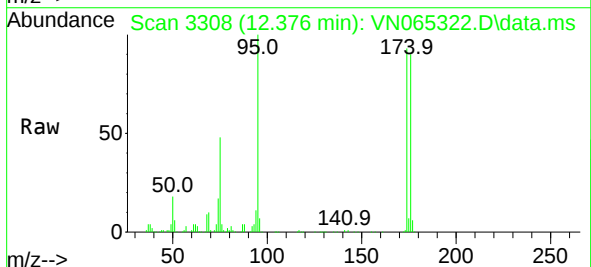
Instrument :
MSVOA_N
ClientSampled :

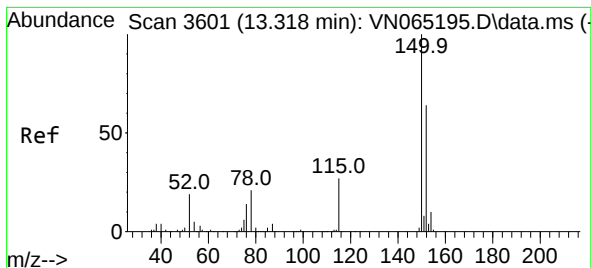
Tgt Ion:106 Resp: 1555
Ion Ratio Lower Upper
106 100
91 252.7 105.5 316.5



#71
Bromoform
Concen: 0.45 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

Tgt Ion:173 Resp: 1472
Ion Ratio Lower Upper
173 100
175 839.6 24.3 72.8#
254 0.0 0.0 0.0

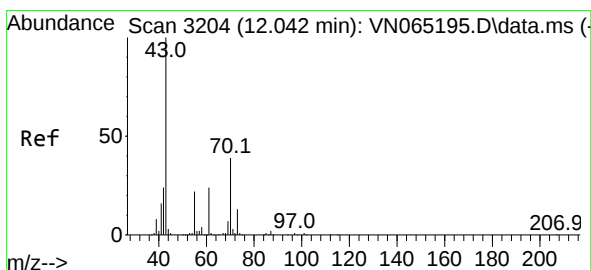
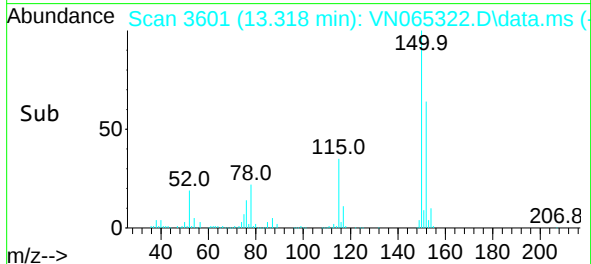
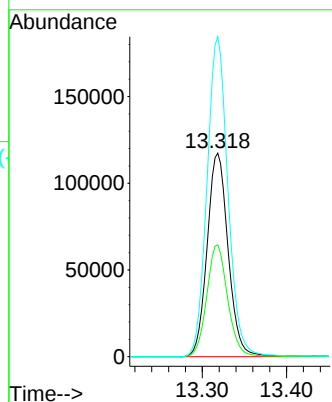
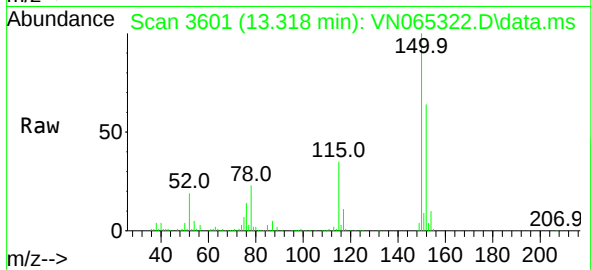




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

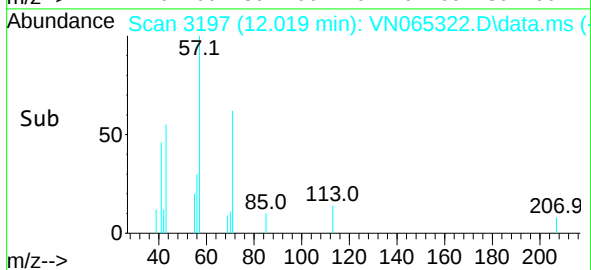
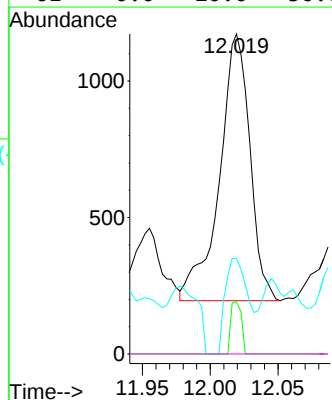
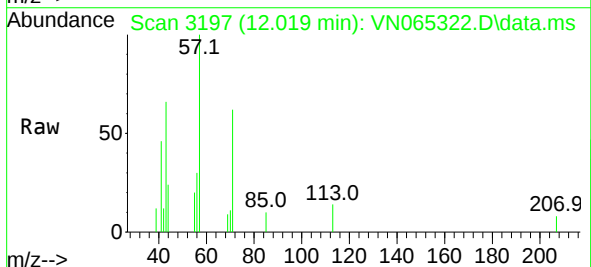
Instrument :
MSVOA_N
ClientSampleId :

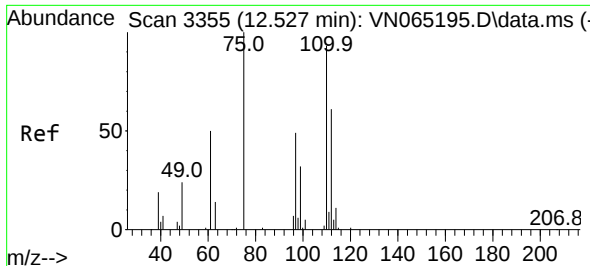
Tgt Ion:152 Resp: 203446
Ion Ratio Lower Upper
152 100
115 54.8 29.7 89.1
150 157.4 0.0 350.6



#74
N-ethyl acetate
Concen: 0.25 ug/l
RT: 12.019 min Scan# 3197
Delta R.T. -0.023 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

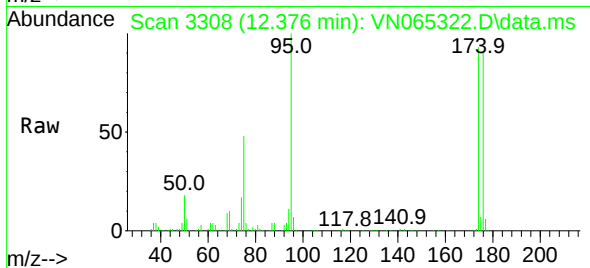
Tgt Ion: 43 Resp: 1528
Ion Ratio Lower Upper
43 100
70 6.7 34.5 51.7#
55 26.4 20.4 30.6
61 0.0 20.0 30.0#



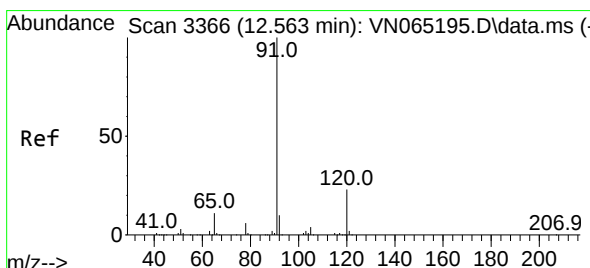
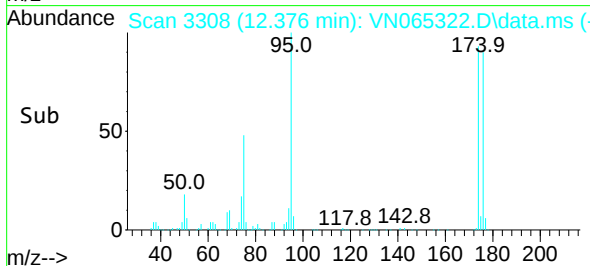
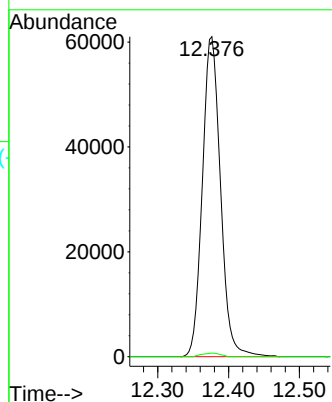


#76
1,2,3-Trichloropropane
Concen: 26.14 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

Instrument :
MSVOA_N
ClientSampled :

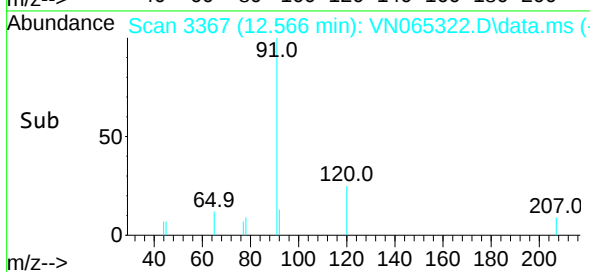
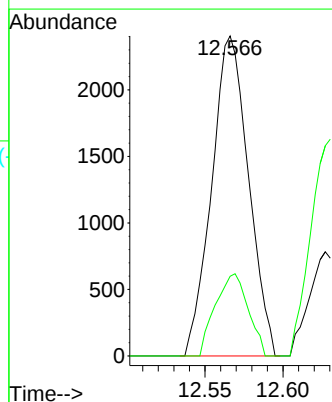
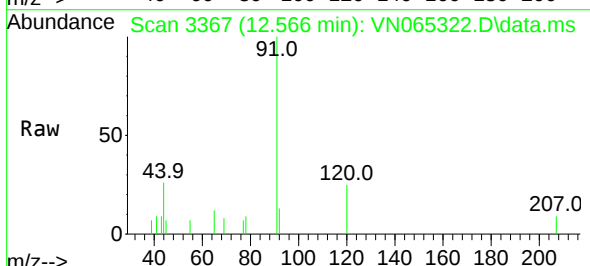


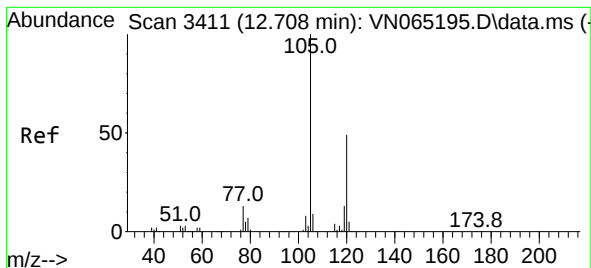
Tgt Ion: 75 Resp: 108503
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#78
n-propylbenzene
Concen: 0.23 ug/l
RT: 12.566 min Scan# 3367
Delta R.T. 0.003 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

Tgt Ion: 91 Resp: 3948
Ion Ratio Lower Upper
91 100
120 22.9 11.6 34.7

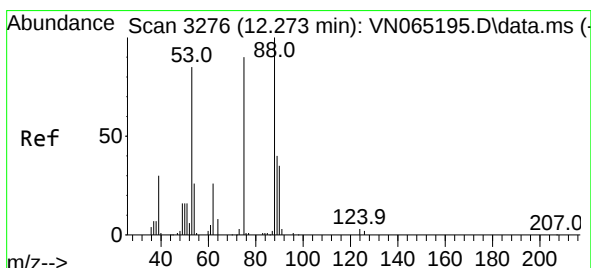
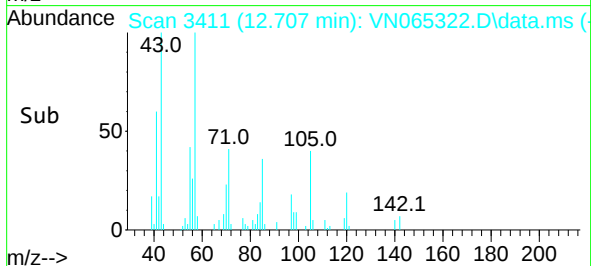
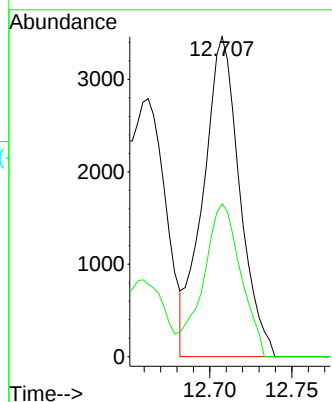
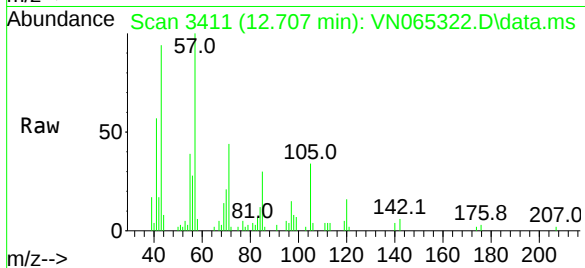




#80
1,3,5-Trimethylbenzene
Concen: 0.41 ug/l
RT: 12.707 min Scan# 3411
Delta R.T. -0.001 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

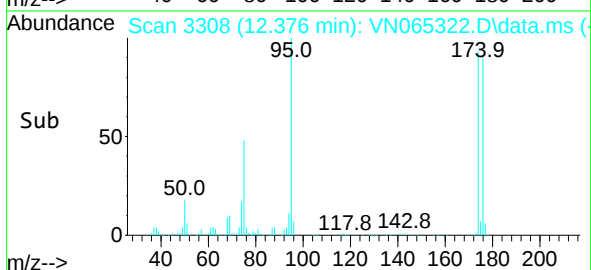
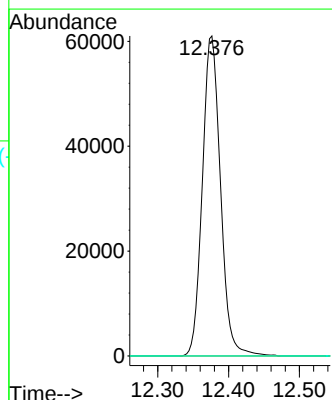
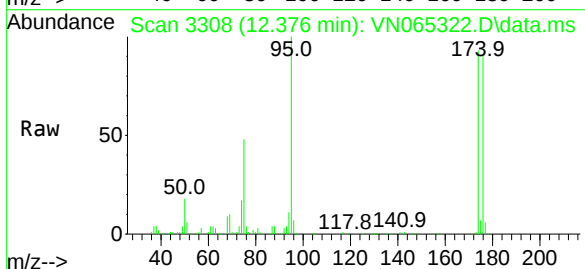
Instrument :
MSVOA_N
ClientSampled :

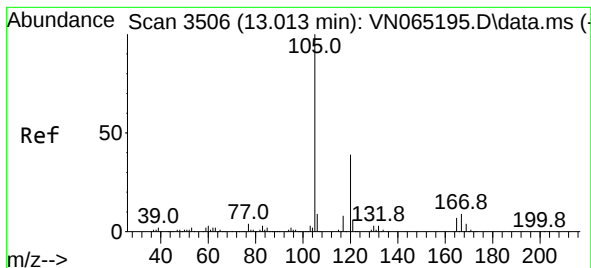
Tgt Ion:105 Resp: 5362
Ion Ratio Lower Upper
105 100
120 48.4 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 65.92 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

Tgt Ion: 75 Resp: 108503
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: 1.38 ug/l

RT: 13.013 min Scan# 3506

Delta R.T. -0.000 min

Lab File: VN065322.D

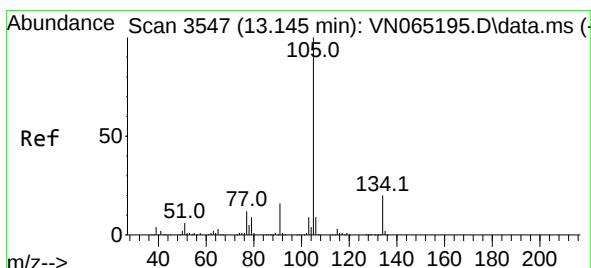
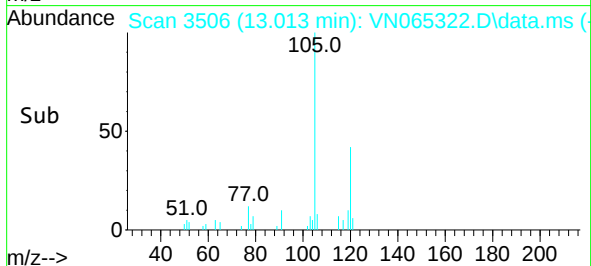
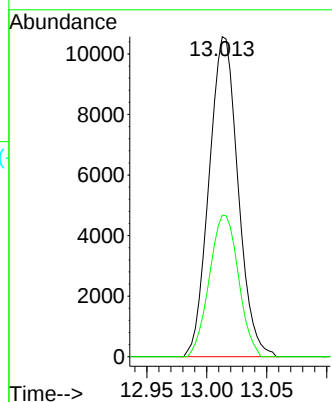
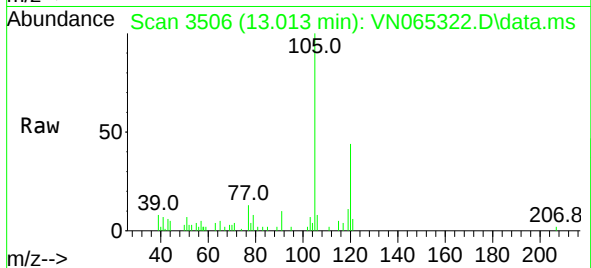
Acq: 30 Dec 2020 15:57

Tgt Ion:105 Resp: 17747

Ion Ratio Lower Upper

105 100

120 44.2 23.1 69.2



#85

sec-Butylbenzene

Concen: 0.20 ug/l

RT: 13.145 min Scan# 3547

Delta R.T. -0.000 min

Lab File: VN065322.D

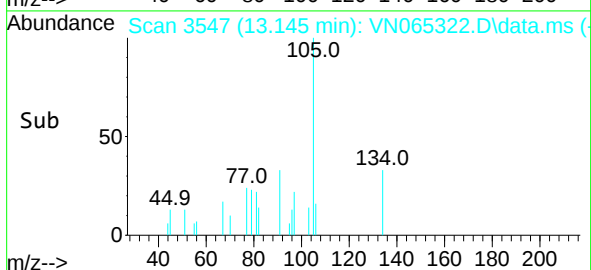
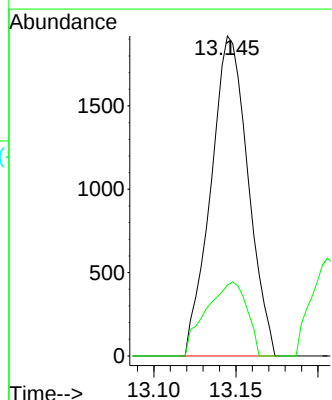
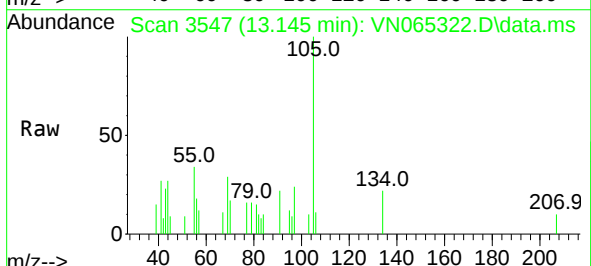
Acq: 30 Dec 2020 15:57

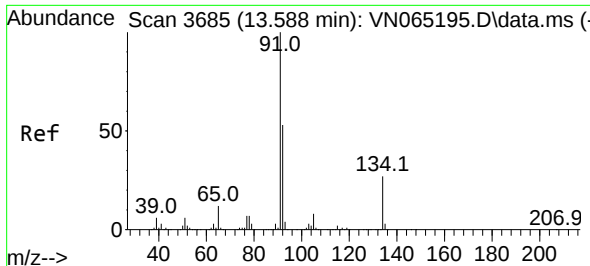
Tgt Ion:105 Resp: 3020

Ion Ratio Lower Upper

105 100

134 25.3 10.1 30.1

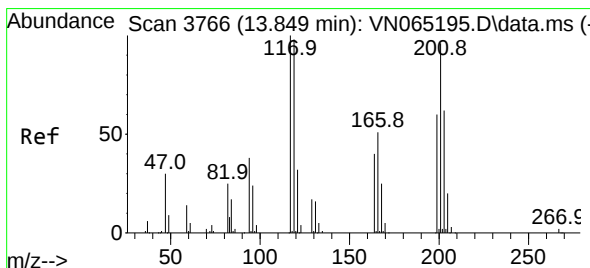
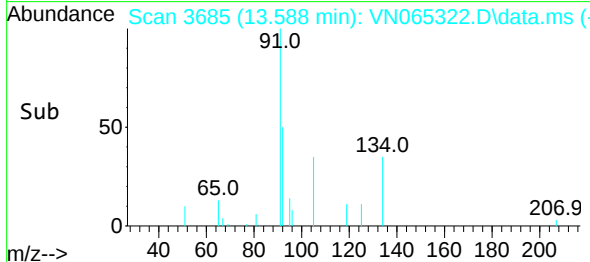
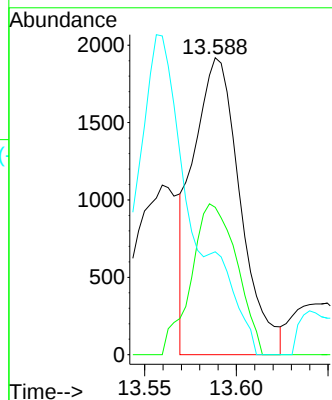
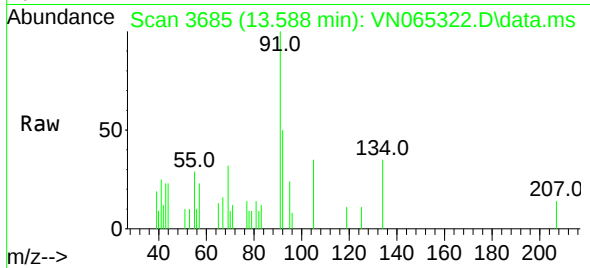




#89
n-Butylbenzene
Concen: 0.29 ug/l
RT: 13.588 min Scan# 3685
Delta R.T. 0.000 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

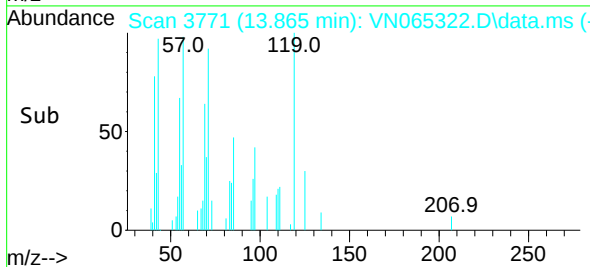
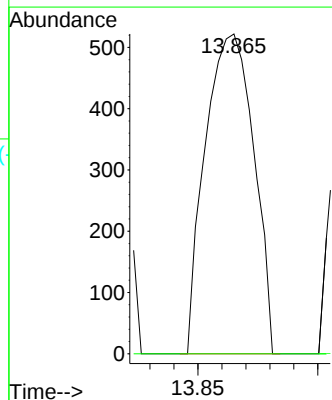
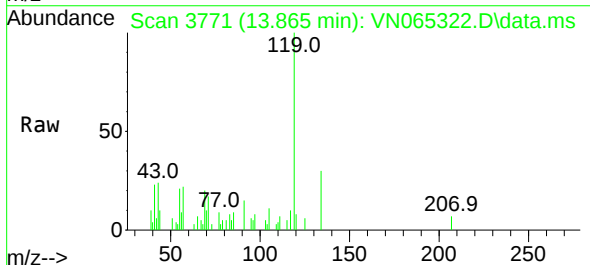
Instrument :
MSVOA_N
ClientSampleId :

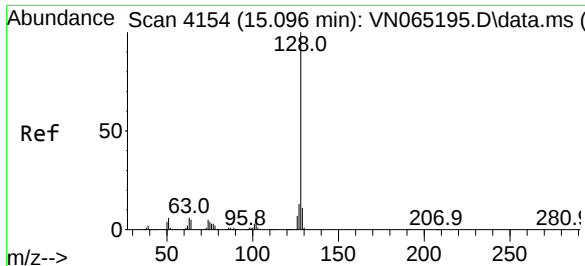
Tgt Ion: 91	Resp: 3411
Ion Ratio	Lower Upper
91	100
92	49.4 26.0 78.0
134	0.0 12.9 38.6#



#90
Hexachloroethane
Concen: 0.31 ug/l
RT: 13.865 min Scan# 3771
Delta R.T. 0.016 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

Tgt Ion: 117	Resp: 733
Ion Ratio	Lower Upper
117	100
201	0.0 40.1 120.3#

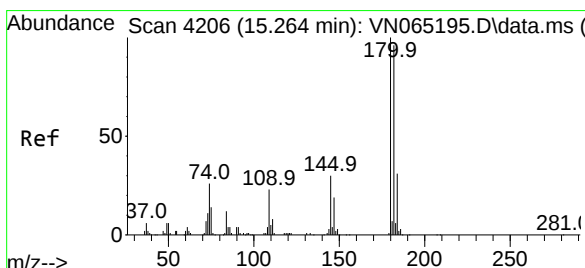
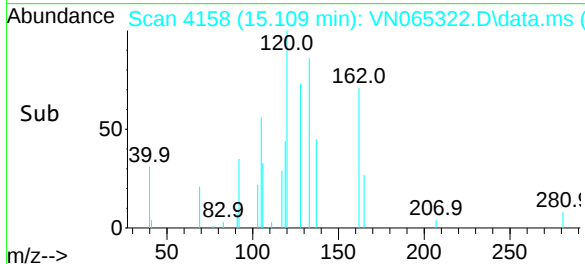
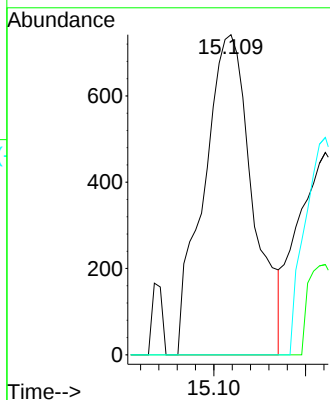
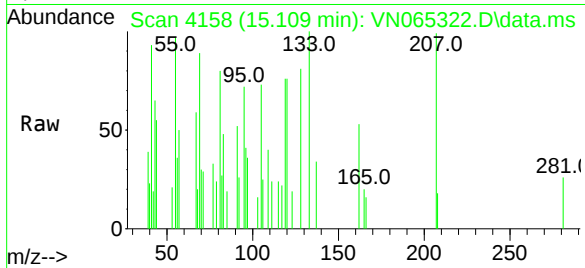




#95
Naphthalene
Concen: 3.49 ug/l
RT: 15.109 min Scan# 4158
Delta R.T. 0.013 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1378
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.25 ug/l
RT: 15.251 min Scan# 4202
Delta R.T. -0.013 min
Lab File: VN065322.D
Acq: 30 Dec 2020 15:57

Tgt Ion:180 Resp: 102
Ion Ratio Lower Upper
180 100
182 0.0 48.1 144.4#
145 925.5 16.4 49.1#

