

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011421\
 Data File : VN065513.D
 Acq On : 14 Jan 2021 16:46
 Operator : JC/MD
 Sample : M1137-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 15 04:15:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jan 14 04:12:08 2021
 Response via : Initial Calibration

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

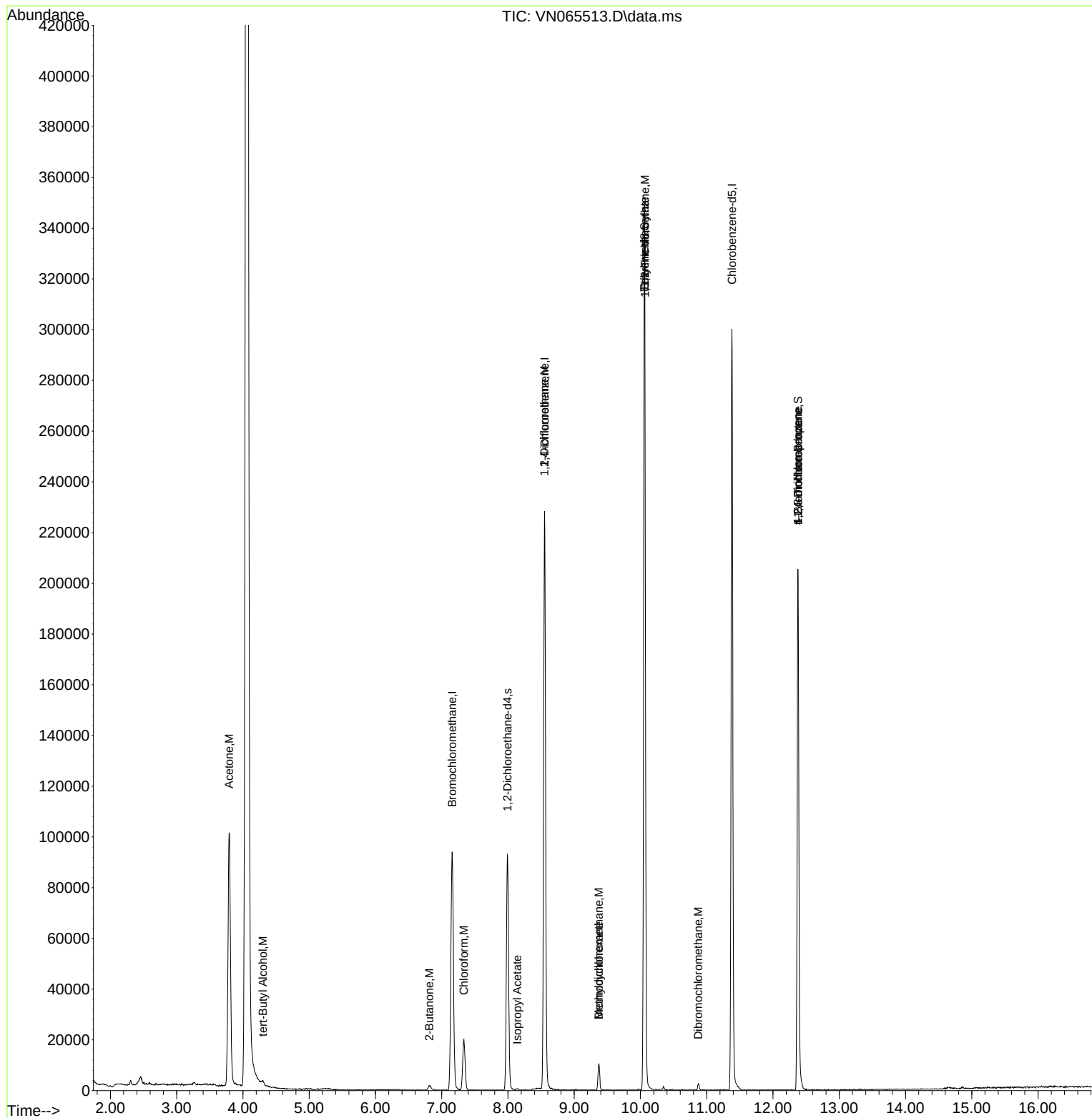
Internal Standards						
1) Bromochloromethane	7.158	128	41756	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.553	114	220352	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	196081	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.994	65	80703	30.94	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.13%
60) 4-Bromofluorobenzene	12.376	95	74517	25.09	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.63%
63) Toluene-d8	10.061	98	258668	30.14	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.47%
Target Compounds						
					Qvalue	
15) Acetone	3.791	58	60261	192.87	ug/l	93
23) tert-Butyl Alcohol	4.303	59	94	0.30	ug/l #	100
25) Chloroform	7.335	83	22465	5.34	ug/l	100
30) 2-Butanone	6.811	43	2071	1.64	ug/l #	81
36) 1,2-Dichloroethane	8.550	62	5912	1.86	ug/l #	74
38) Methylcyclohexane	9.370	83	7793	2.14	ug/l #	19
41) Bromodichloromethane	9.370	83	7793	2.40	ug/l	100
44) Isopropyl Acetate	8.139	43	1195	0.27	ug/l #	1
50) 1,1,2-Trichloroethane	10.068	97	9279	3.78	ug/l #	1
51) Ethyl methacrylate	10.061	69	805	0.23	ug/l	90
53) Dibromochloromethane	10.872	129	2001	0.74	ug/l	94
72) 1,2,3-Trichloropropane	12.376	75	34792	11.66	ug/l	1
77) t-1,4-Dichloro-2-butene	12.376	75	34792	33.15	ug/l #	14

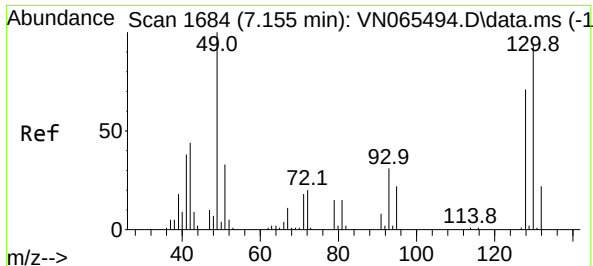
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011421\
Data File : VN065513.D
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 15 04:15:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jan 14 04:12:08 2021
Response via : Initial Calibration

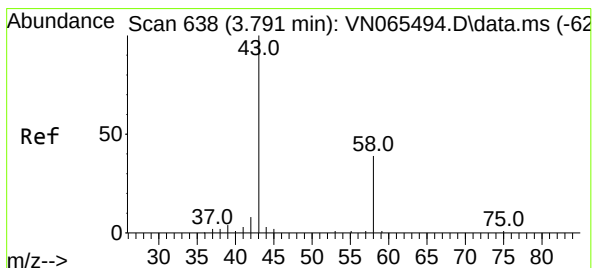
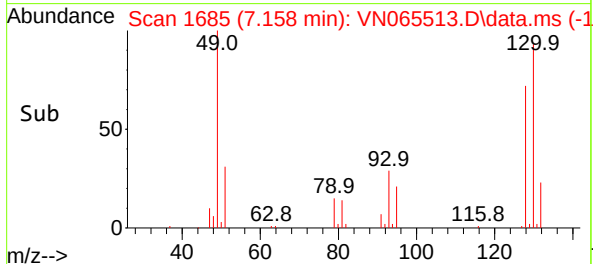
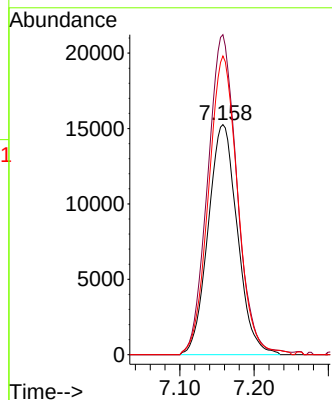
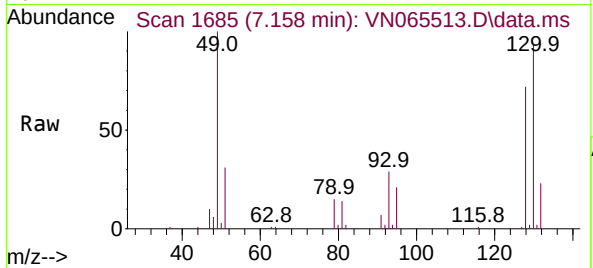




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.158 min Scan# 1685
Delta R.T. 0.003 min
Lab File: VN065513.D
Acq: 14 Jan 2021 16:46

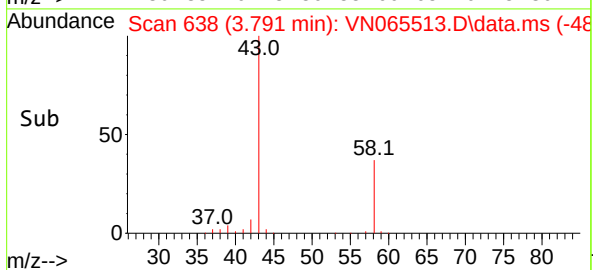
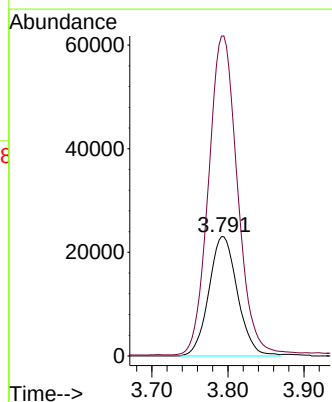
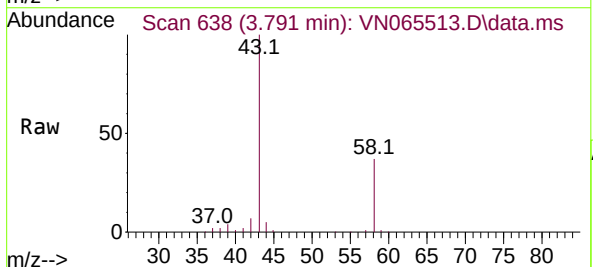
Instrument :
MSVOA_N
ClientSampleId :

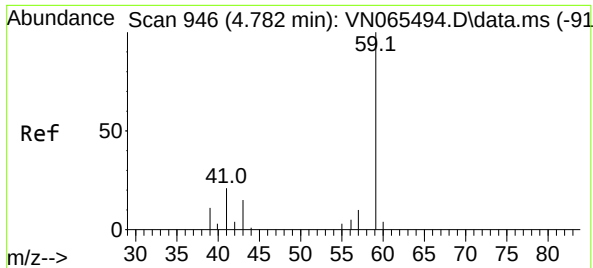
Tgt Ion:128 Resp: 41756
Ion Ratio Lower Upper
128 100
49 139.5 0.0 355.0
130 128.5 0.0 325.5



#15
Acetone
Concen: 192.87 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.000 min
Lab File: VN065513.D
Acq: 14 Jan 2021 16:46

Tgt Ion: 58 Resp: 60261
Ion Ratio Lower Upper
58 100
43 266.4 203.4 305.0

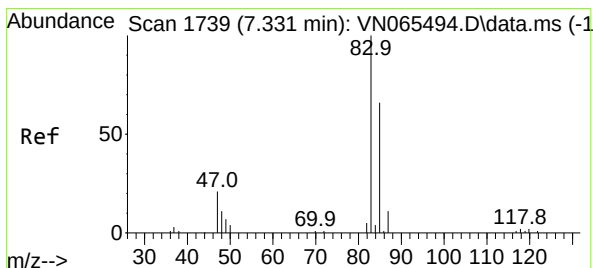
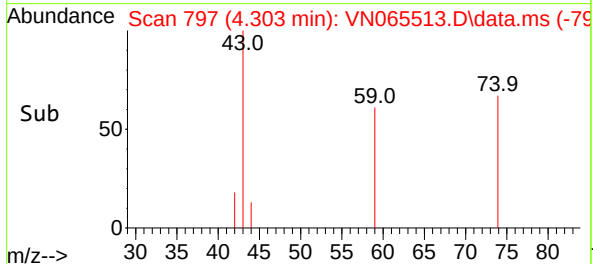
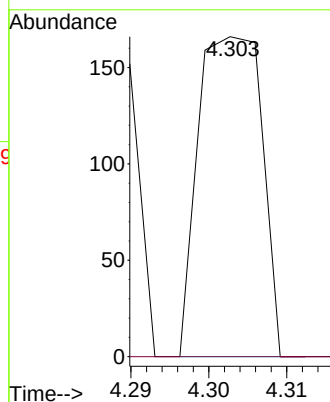
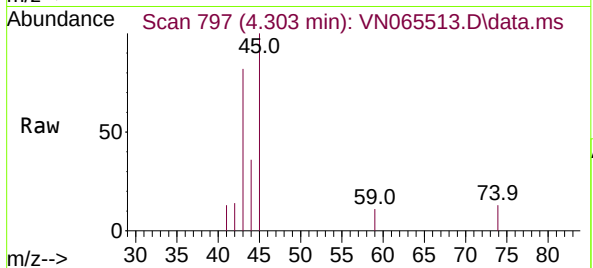




#23
tert-Butyl Alcohol
Concen: 0.30 ug/l
RT: 4.303 min Scan# 797
Delta R.T. -0.479 min
Lab File: VN065513.D
Acq: 14 Jan 2021 16:46

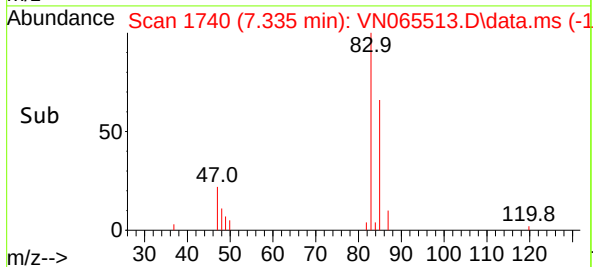
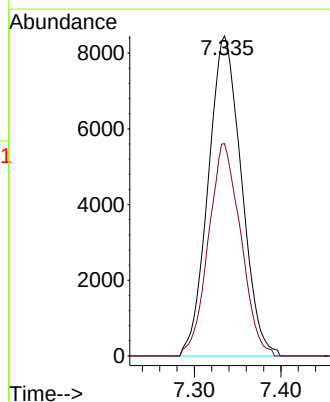
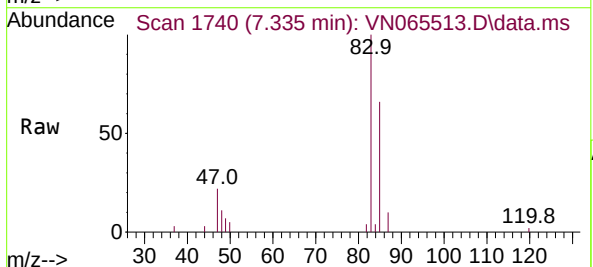
Instrument :
MSVOA_N
ClientSampleId :

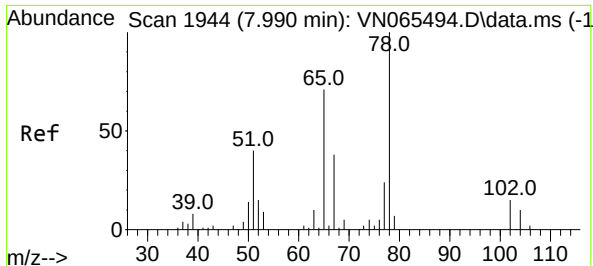
Tgt Ion: 59 Resp: 94
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 5.34 ug/l
RT: 7.335 min Scan# 1740
Delta R.T. 0.003 min
Lab File: VN065513.D
Acq: 14 Jan 2021 16:46

Tgt Ion: 83 Resp: 22465
Ion Ratio Lower Upper
83 100
85 66.3 53.0 79.4





#27

1,2-Dichloroethane-d4

Concen: 30.94 ug/l

RT: 7.994 min Scan# 1945

Delta R.T. 0.003 min

Lab File: VN065513.D

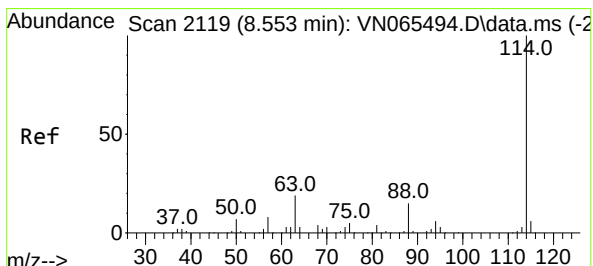
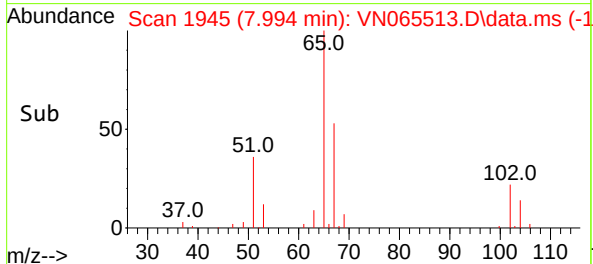
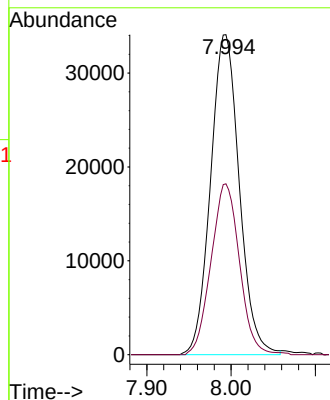
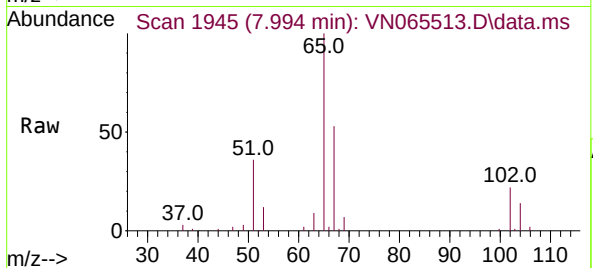
Acq: 14 Jan 2021 16:46

Tgt Ion: 65 Resp: 80703

Ion Ratio Lower Upper

65 100

67 52.9 42.8 64.2



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.553 min Scan# 2119

Delta R.T. 0.000 min

Lab File: VN065513.D

Acq: 14 Jan 2021 16:46

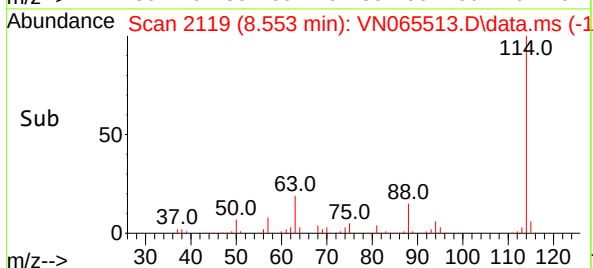
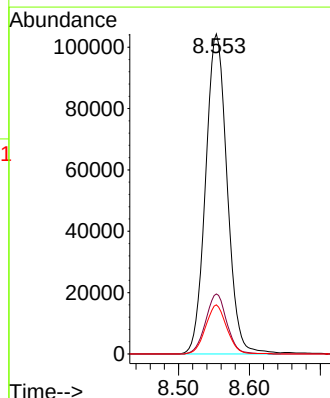
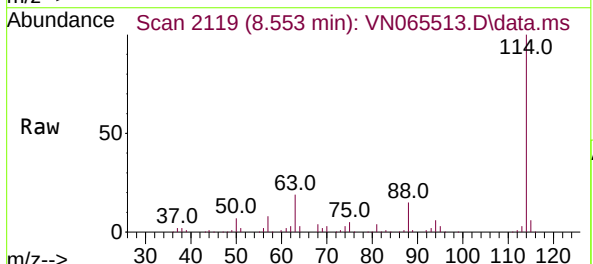
Tgt Ion: 114 Resp: 220352

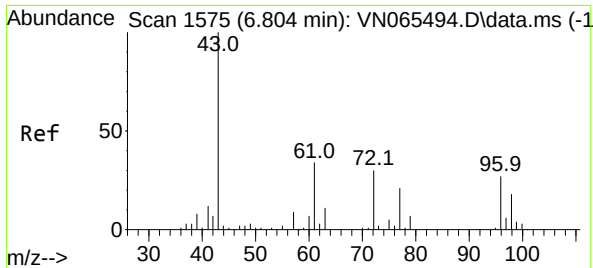
Ion Ratio Lower Upper

114 100

63 18.4 14.7 22.1

88 15.0 11.7 17.5

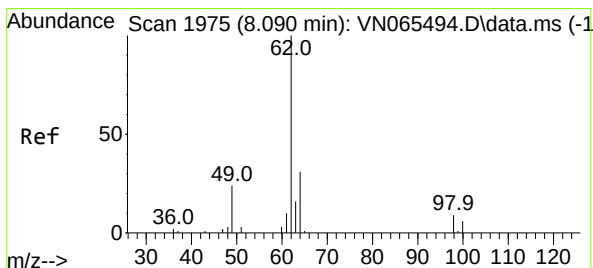
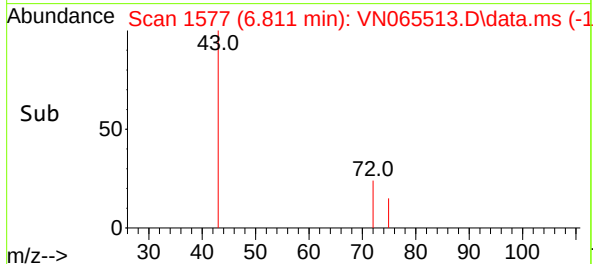
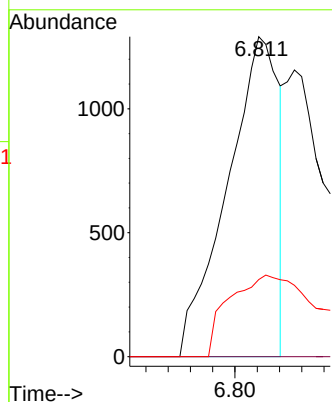
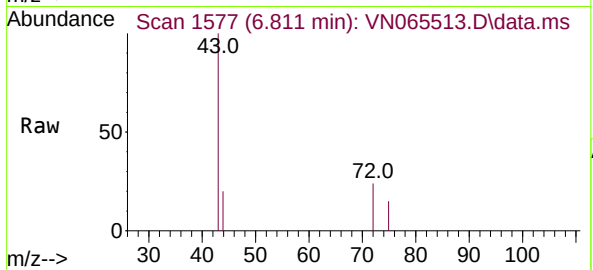




#30
2-Butanone
Concen: 1.64 ug/l
RT: 6.811 min Scan# 1577
Delta R.T. 0.007 min
Lab File: VN065513.D
Acq: 14 Jan 2021 16:46

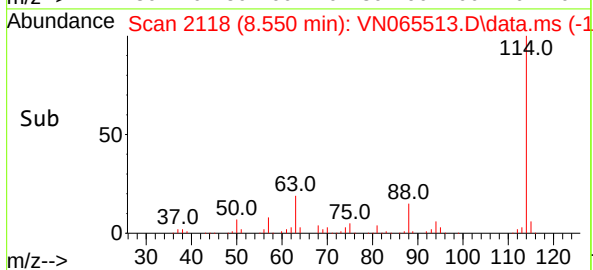
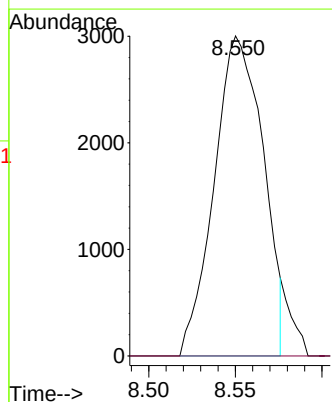
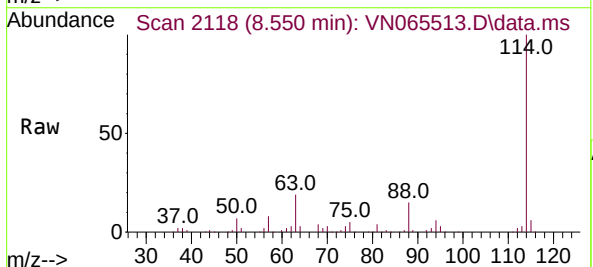
Instrument :
MSVOA_N
ClientSampled :

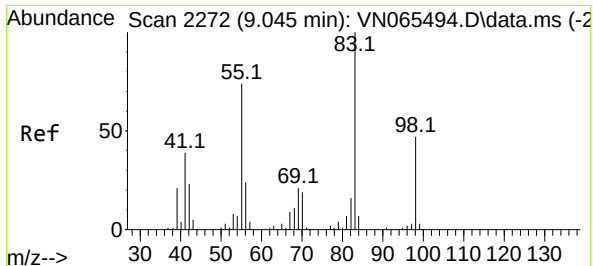
Tgt Ion: 43 Resp: 2071
Ion Ratio Lower Upper
43 100
57 0.0 7.0 10.4#
72 38.9 23.6 35.4#



#36
1,2-Dichloroethane
Concen: 1.86 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.460 min
Lab File: VN065513.D
Acq: 14 Jan 2021 16:46

Tgt Ion: 62 Resp: 5912
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#

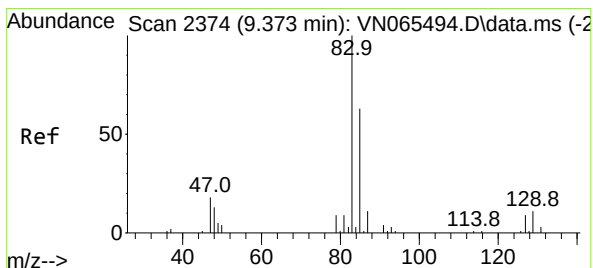
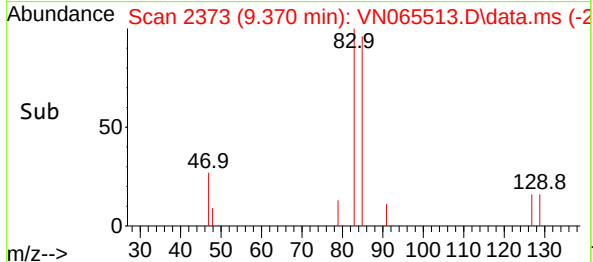
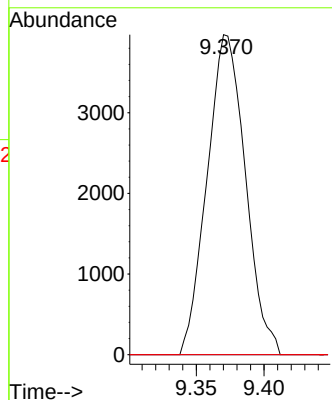
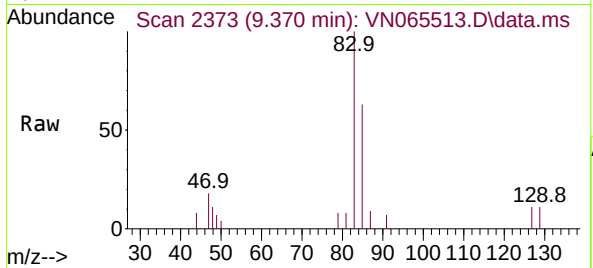




#38
Methylcyclohexane
Concen: 2.14 ug/l
RT: 9.370 min Scan# 2373
Delta R.T. 0.325 min
Lab File: VN065513.D
Acq: 14 Jan 2021 16:46

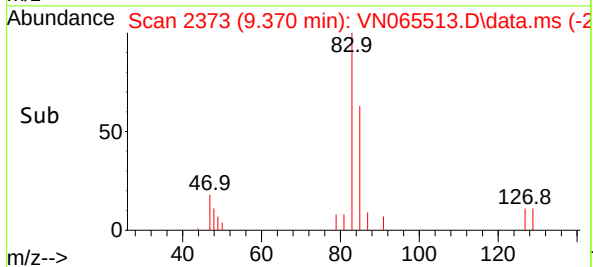
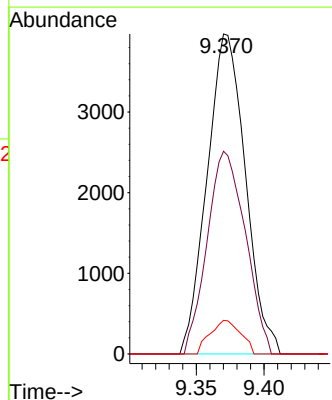
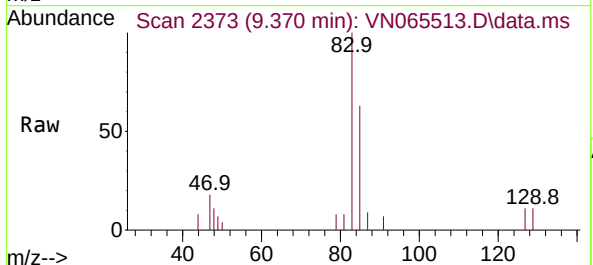
Instrument :
MSVOA_N
ClientSampled :

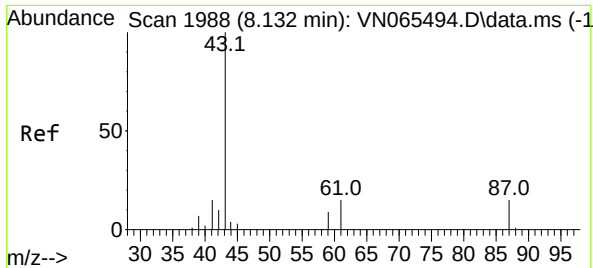
Tgt Ion: 83 Resp: 7793
Ion Ratio Lower Upper
83 100
55 0.0 37.2 111.6#
98 0.0 23.8 71.4#



#41
Bromodichloromethane
Concen: 2.40 ug/l
RT: 9.370 min Scan# 2373
Delta R.T. -0.003 min
Lab File: VN065513.D
Acq: 14 Jan 2021 16:46

Tgt Ion: 83 Resp: 7793
Ion Ratio Lower Upper
83 100
85 63.3 50.7 76.1
127 10.5 7.5 11.3

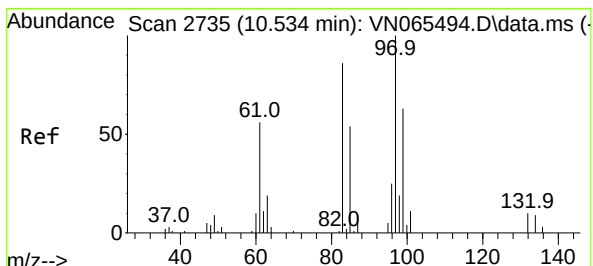
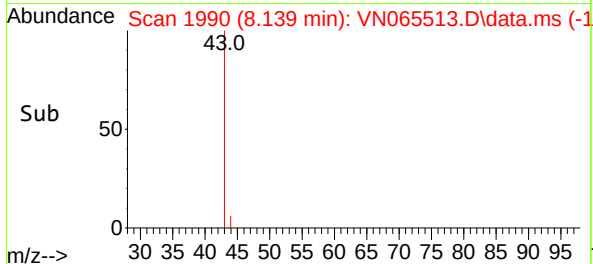
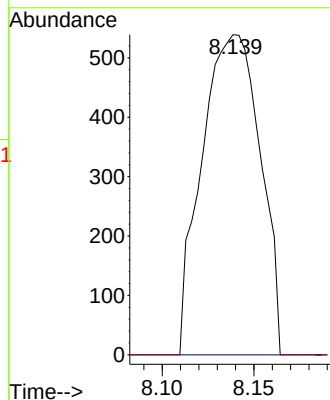
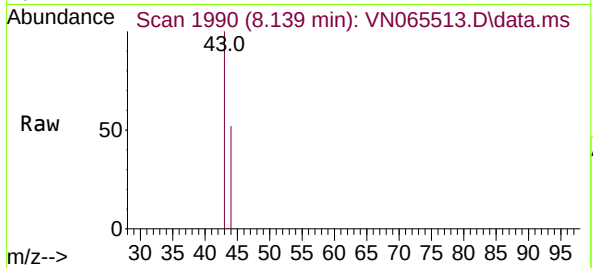




#44
Isopropyl Acetate
Concen: 0.27 ug/l
RT: 8.139 min Scan# 1990
Delta R.T. 0.007 min
Lab File: VN065513.D
Acq: 14 Jan 2021 16:46

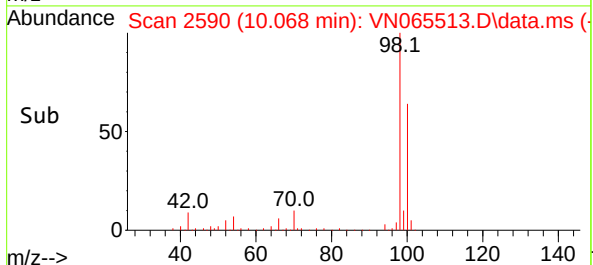
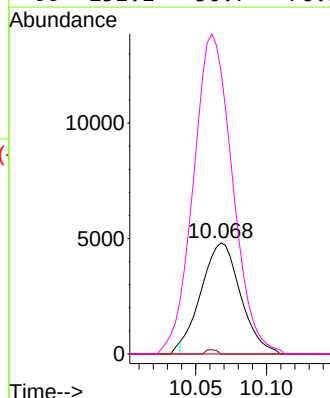
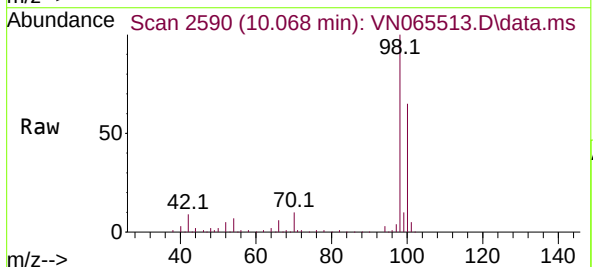
Instrument :
MSVOA_N
ClientSampled :

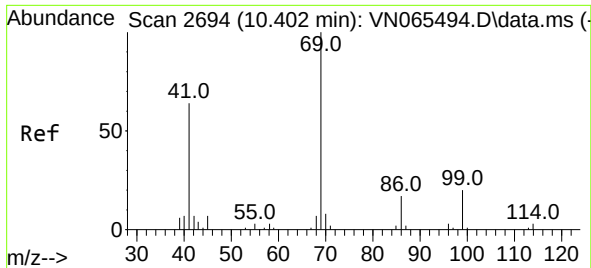
Tgt Ion: 43 Resp: 1195
Ion Ratio Lower Upper
43 100
61 112.4 16.8 25.2#



#50
1,1,2-Trichloroethane
Concen: 3.78 ug/l
RT: 10.068 min Scan# 2590
Delta R.T. -0.466 min
Lab File: VN065513.D
Acq: 14 Jan 2021 16:46

Tgt Ion: 97 Resp: 9279
Ion Ratio Lower Upper
97 100
83 0.0 68.4 102.6#
85 0.0 42.8 64.2#
99 251.1 50.7 76.1#

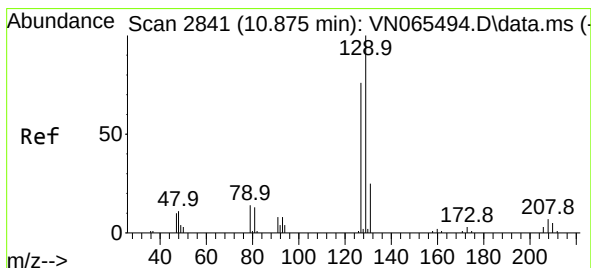
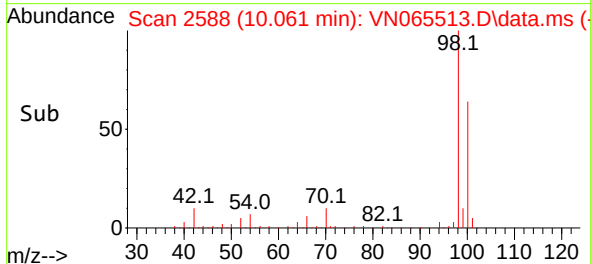
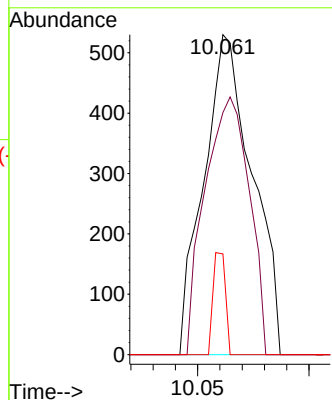
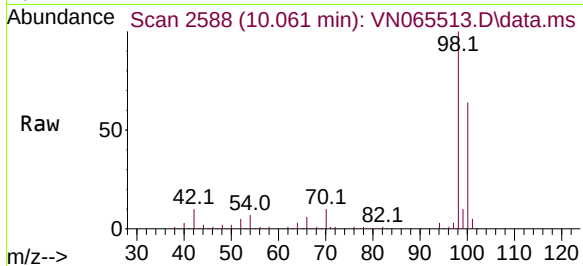




#51
Ethyl methacrylate
Concen: 0.23 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. -0.341 min
Lab File: VN065513.D
Acq: 14 Jan 2021 16:46

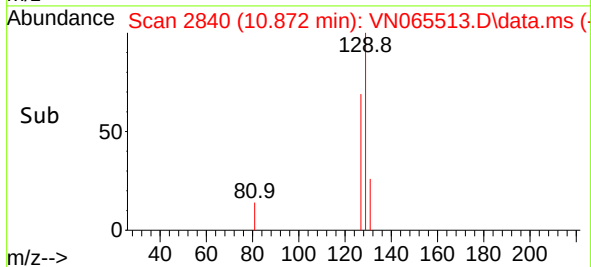
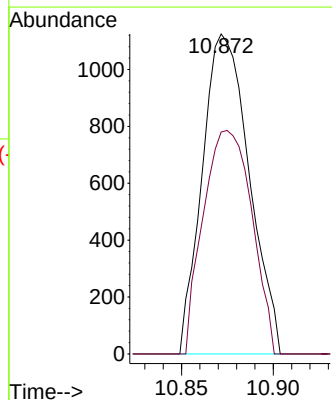
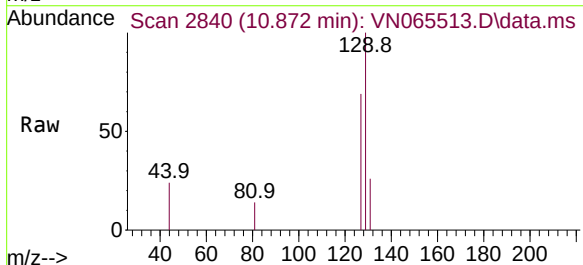
Instrument :
MSVOA_N
ClientSampled :

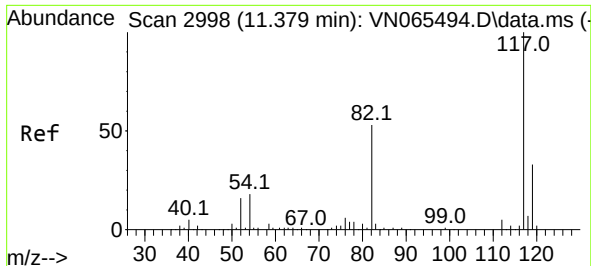
Tgt Ion: 69 Resp: 805
Ion Ratio Lower Upper
69 100
41 75.7 31.9 95.7
39 31.5 15.6 46.7



#53
Dibromochloromethane
Concen: 0.74 ug/l
RT: 10.872 min Scan# 2840
Delta R.T. -0.003 min
Lab File: VN065513.D
Acq: 14 Jan 2021 16:46

Tgt Ion: 129 Resp: 2001
Ion Ratio Lower Upper
129 100
127 72.2 38.9 116.6

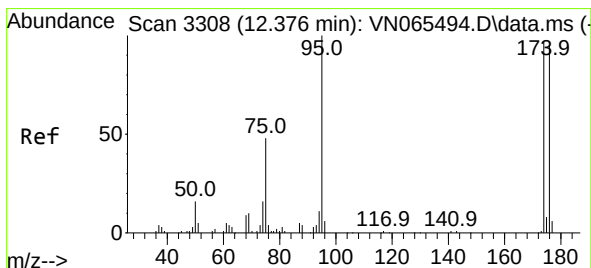
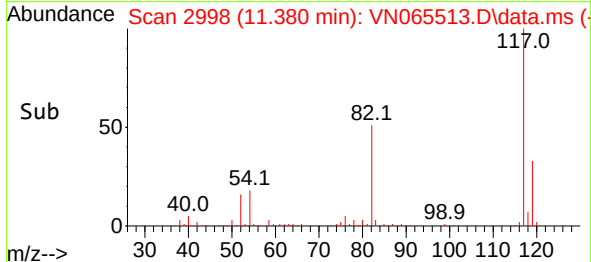
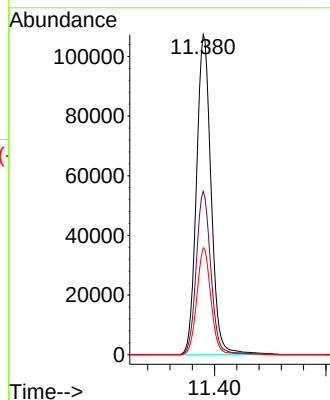
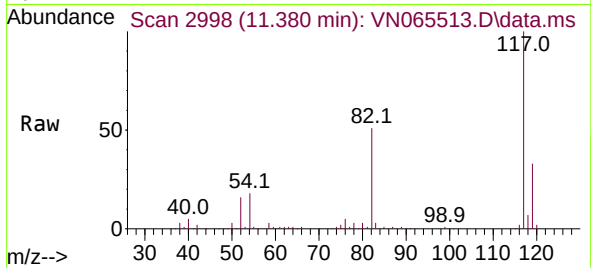




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.001 min
Lab File: VN065513.D
Acq: 14 Jan 2021 16:46

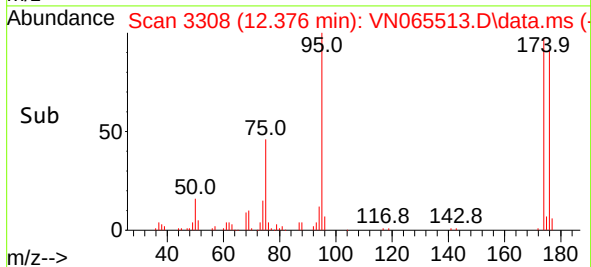
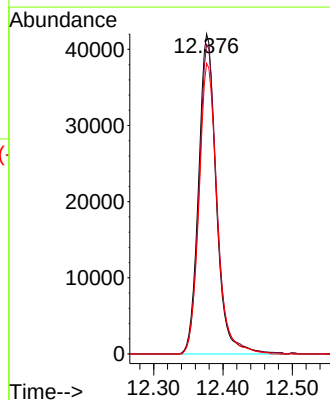
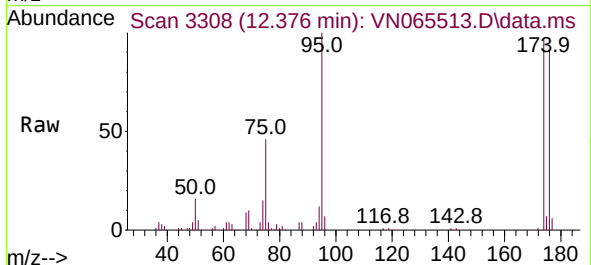
Instrument :
MSVOA_N
ClientSampleId :

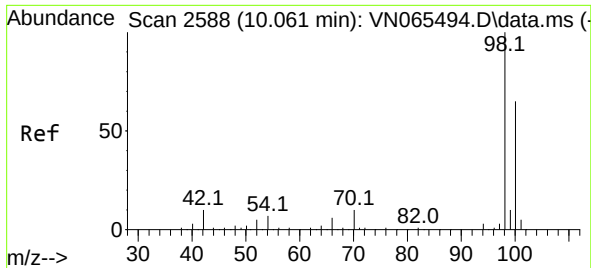
Tgt Ion:117 Resp: 196081
Ion Ratio Lower Upper
117 100
82 50.8 41.3 61.9
119 32.3 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 25.09 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065513.D
Acq: 14 Jan 2021 16:46

Tgt Ion: 95 Resp: 74517
Ion Ratio Lower Upper
95 100
174 97.9 77.0 115.6
176 92.9 75.8 113.6

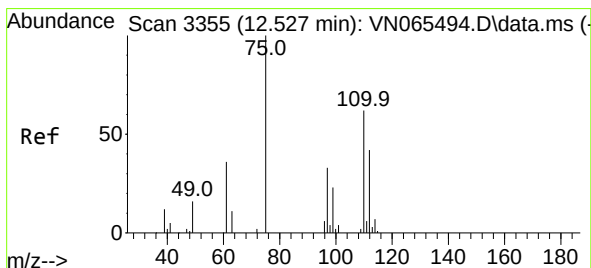
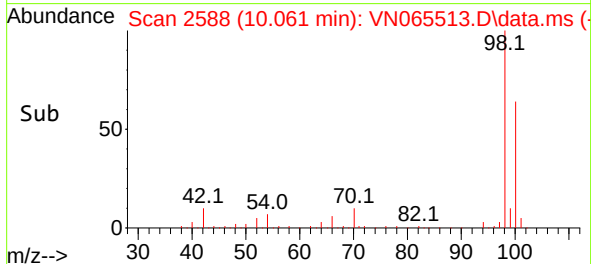
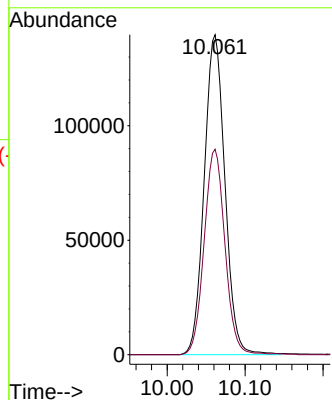
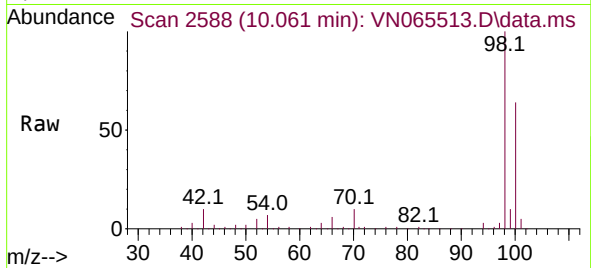




#63
Toluene-d8
Concen: 30.14 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.000 min
Lab File: VN065513.D
Acq: 14 Jan 2021 16:46

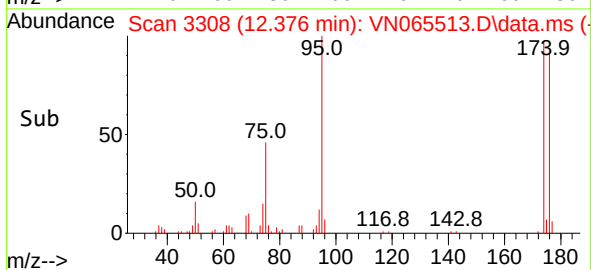
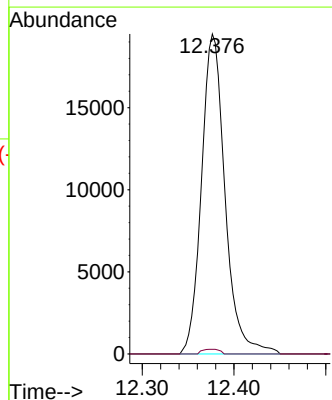
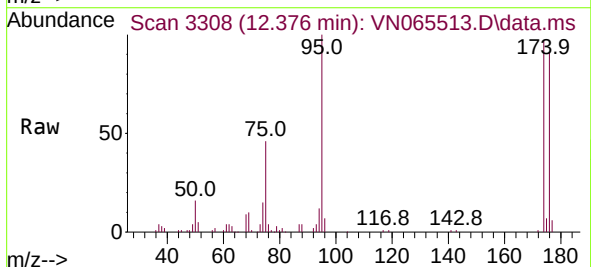
Instrument :
MSVOA_N
ClientSampled :

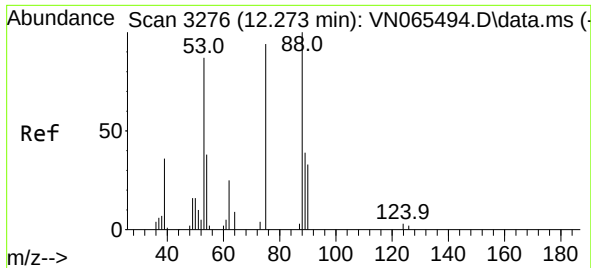
Tgt Ion: 98 Resp: 258668
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#72
1,2,3-Trichloropropane
Concen: 11.66 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065513.D
Acq: 14 Jan 2021 16:46

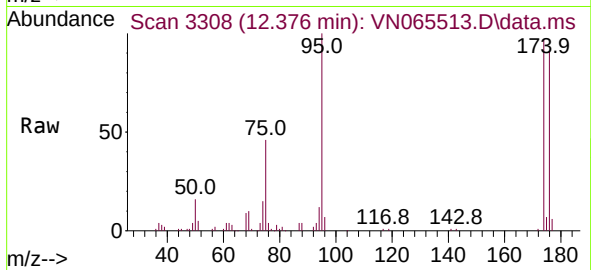
Tgt Ion: 75 Resp: 34792
Ion Ratio Lower Upper
75 100
77 1.1 0.0 366.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 33.15 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.103 min
 Lab File: VN065513.D
 Acq: 14 Jan 2021 16:46

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 34792
 Ion Ratio Lower Upper
 75 100
 53 0.0 44.9 134.5#
 89 0.0 21.3 64.0#

