

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123120\
 Data File : VN065339.D
 Acq On : 31 Dec 2020 11:43
 Operator : JC/MD
 Sample : L5247-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 201230022-02

Quant Time: Jan 01 01:14:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 21 13:17:58 2020
 Response via : Initial Calibration

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

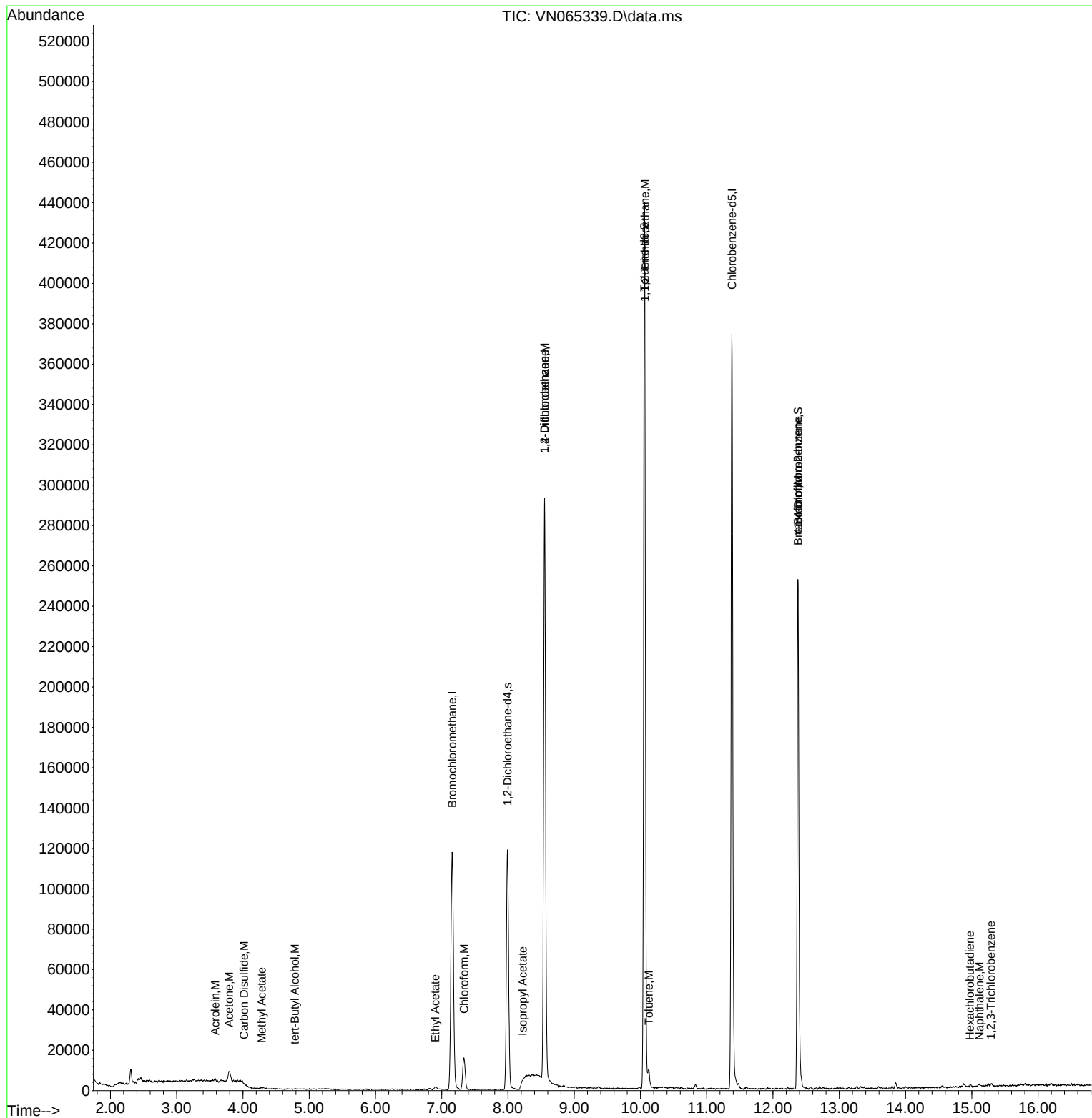
Internal Standards						
1) Bromochloromethane	7.158	128	49824	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	8.553	114	273064	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	235507	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.994	65	105878	29.29	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.63%		
60) 4-Bromofluorobenzene	12.376	95	93009	24.83	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	82.77%		
63) Toluene-d8	10.061	98	318036	30.45	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.50%		
Target Compounds						
						Qvalue
12) Methyl Acetate	4.283	43	576	0.21	ug/l #	54
13) Acrolein	3.582	56	181	0.48	ug/l	88
15) Acetone	3.788	58	2828	6.94	ug/l #	55
16) Carbon Disulfide	4.016	76	1786	0.23	ug/l #	74
23) tert-Butyl Alcohol	4.782	59	129	0.24	ug/l #	100
25) Chloroform	7.338	83	18072	3.32	ug/l	97
36) 1,2-Dichloroethane	8.553	62	7397	1.68	ug/l #	80
43) Ethyl Acetate	6.901	43	1303	0.36	ug/l	94
44) Isopropyl Acetate	8.222	43	3172	0.47	ug/l #	62
50) 1,1,2-Trichloroethane	10.068	97	10915	3.70	ug/l #	1
56) Bromoform	12.379	173	743	0.27	ug/l #	1
62) Toluene	10.126	91	6016	0.48	ug/l	92
77) t-1,4-Dichloro-2-butene	12.376	75	45548	30.93	ug/l #	9
90) Hexachlorobutadiene	14.974	225	450	0.22	ug/l	63
91) Naphthalene	15.116	128	1764	0.22	ug/l #	70
92) 1,2,3-Trichlorobenzene	15.289	180	673	0.23	ug/l #	82

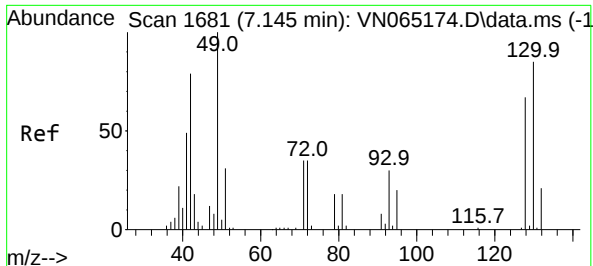
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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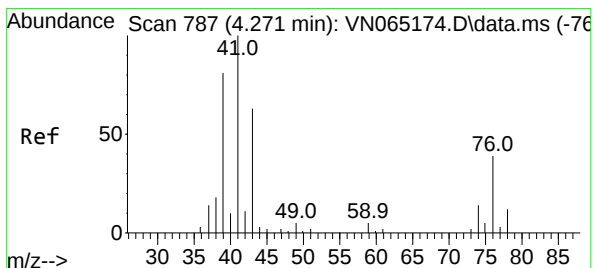
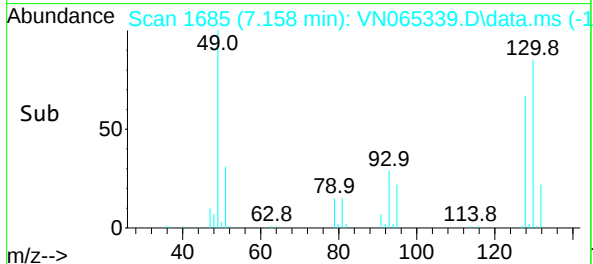
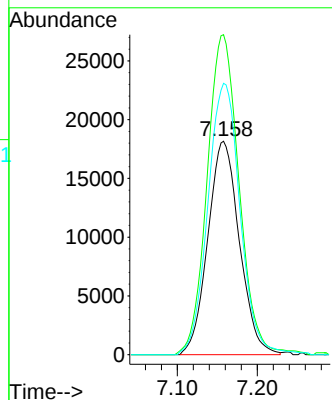
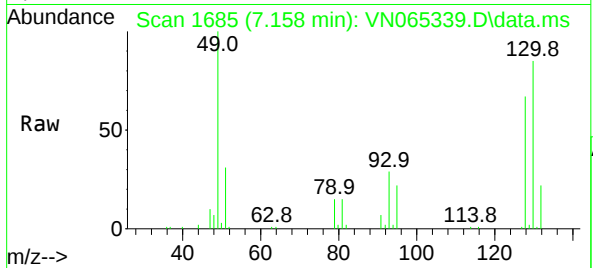




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.158 min Scan# 1685
Delta R.T. 0.013 min
Lab File: VN065339.D
Acq: 31 Dec 2020 11:43

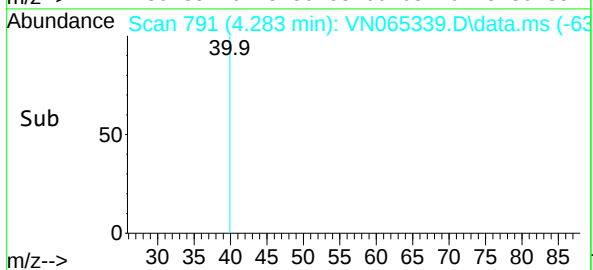
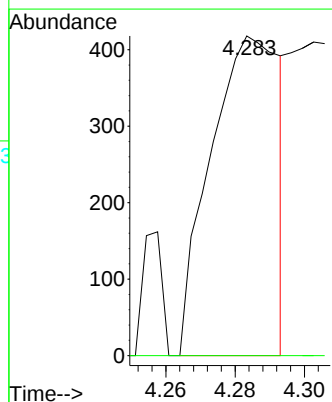
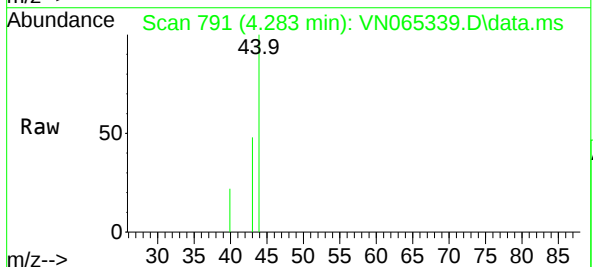
Instrument :
MSVOA_N
ClientSampleId :
201230022-02

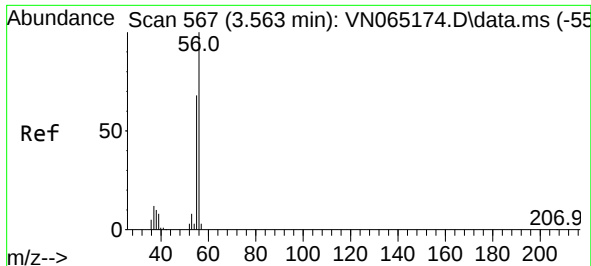
Tgt Ion:128 Resp: 49824
Ion Ratio Lower Upper
128 100
49 151.4 0.0 475.5
130 130.2 0.0 315.3



#12
Methyl Acetate
Concen: 0.21 ug/l
RT: 4.283 min Scan# 791
Delta R.T. 0.013 min
Lab File: VN065339.D
Acq: 31 Dec 2020 11:43

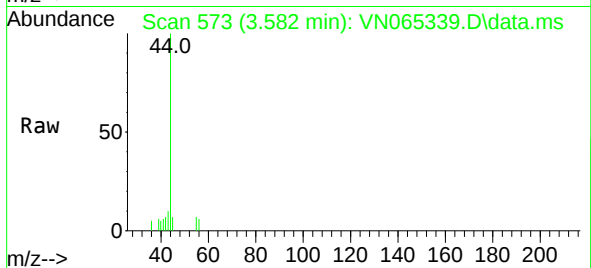
Tgt Ion: 43 Resp: 576
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



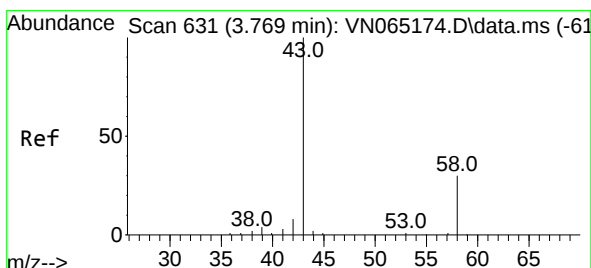
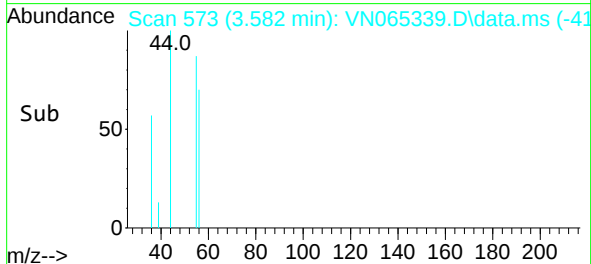
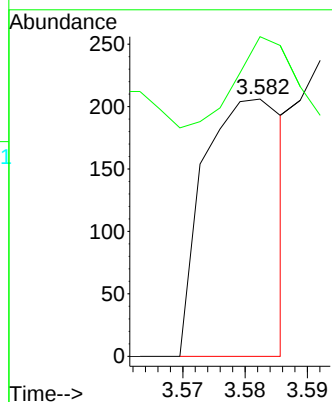


#13
Acrolein
Concen: 0.48 ug/l
RT: 3.582 min Scan# 573
Delta R.T. 0.019 min
Lab File: VN065339.D
Acq: 31 Dec 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
201230022-02

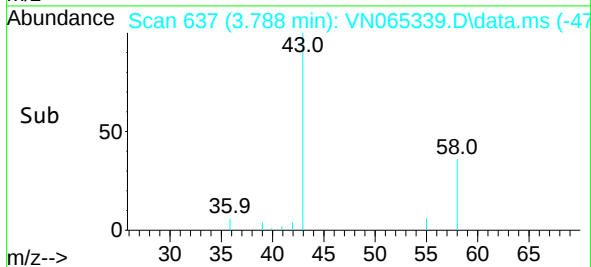
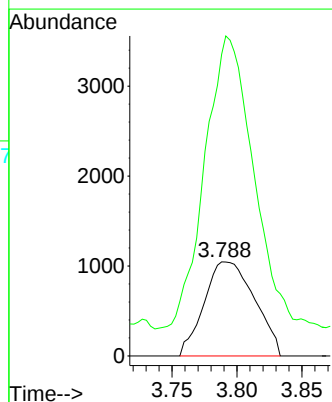
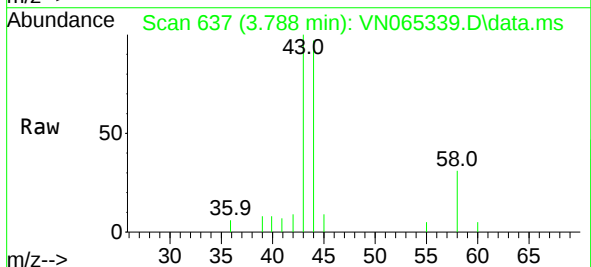


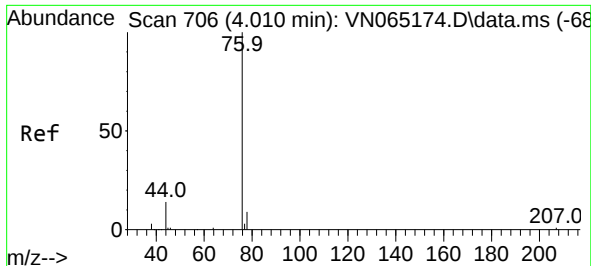
Tgt Ion: 56 Resp: 181
Ion Ratio Lower Upper
56 100
55 63.0 58.2 87.2



#15
Acetone
Concen: 6.94 ug/l
RT: 3.788 min Scan# 637
Delta R.T. 0.019 min
Lab File: VN065339.D
Acq: 31 Dec 2020 11:43

Tgt Ion: 58 Resp: 2828
Ion Ratio Lower Upper
58 100
43 262.4 289.8 434.8#

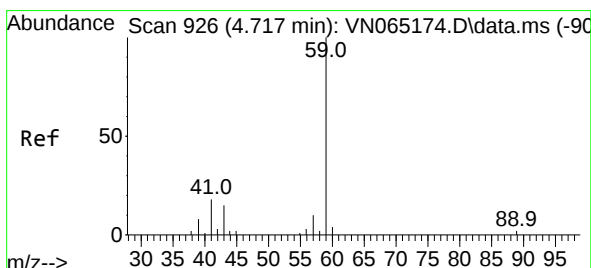
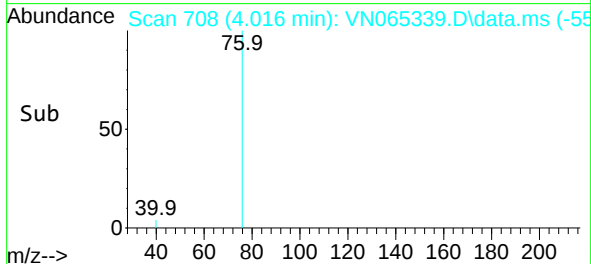
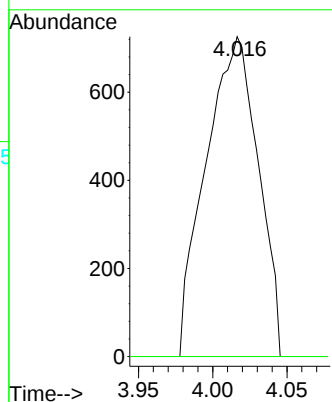
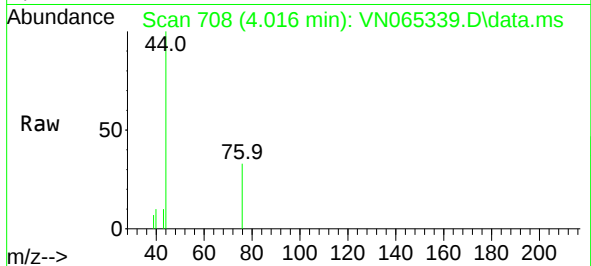




#16
Carbon Disulfide
Concen: 0.23 ug/l
RT: 4.016 min Scan# 708
Delta R.T. 0.006 min
Lab File: VN065339.D
Acq: 31 Dec 2020 11:43

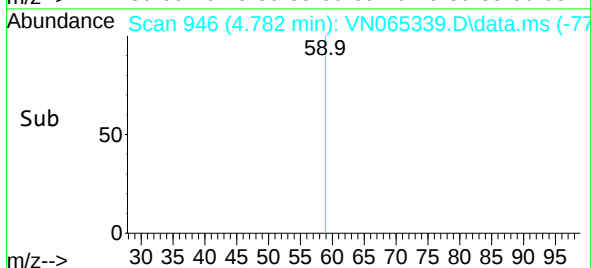
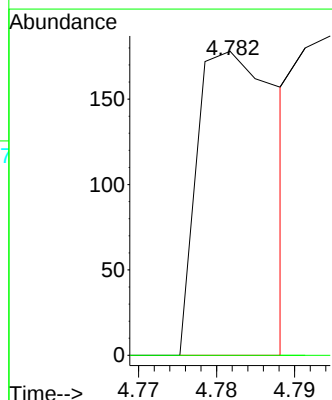
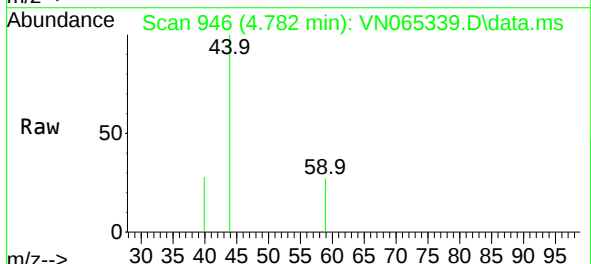
Instrument :
MSVOA_N
ClientSampleId :
201230022-02

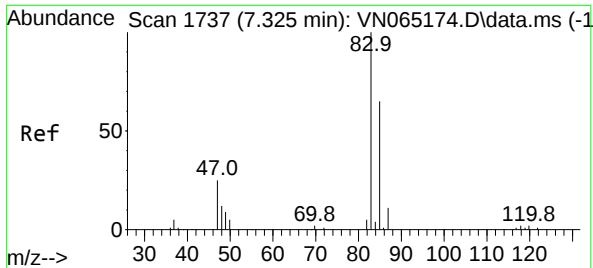
Tgt Ion: 76 Resp: 1786
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#23
tert-Butyl Alcohol
Concen: 0.24 ug/l
RT: 4.782 min Scan# 946
Delta R.T. 0.064 min
Lab File: VN065339.D
Acq: 31 Dec 2020 11:43

Tgt Ion: 59 Resp: 129
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



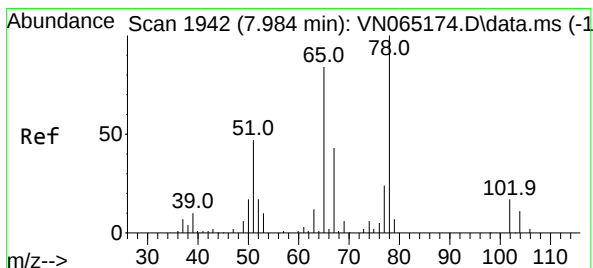
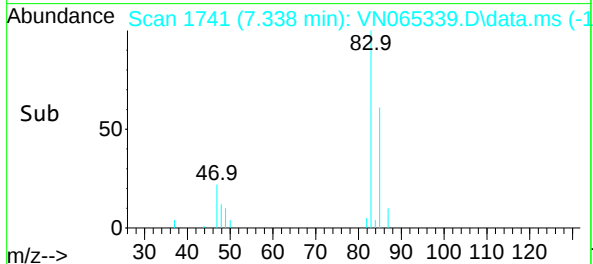
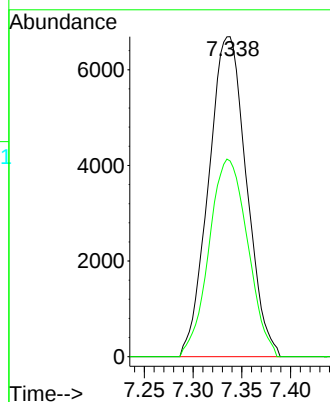
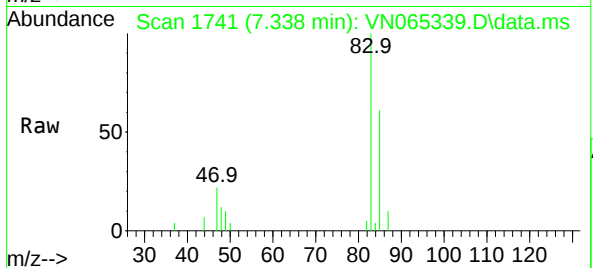


#25

Chloroform
Concen: 3.32 ug/l
RT: 7.338 min Scan# 1741
Delta R.T. 0.013 min
Lab File: VN065339.D
Acq: 31 Dec 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
201230022-02

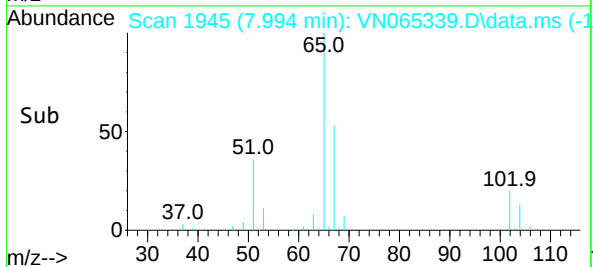
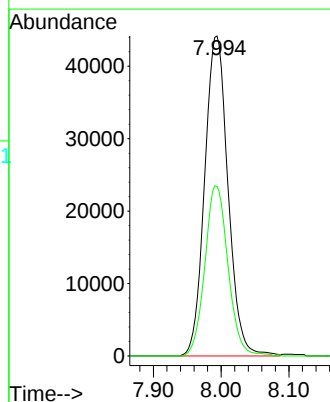
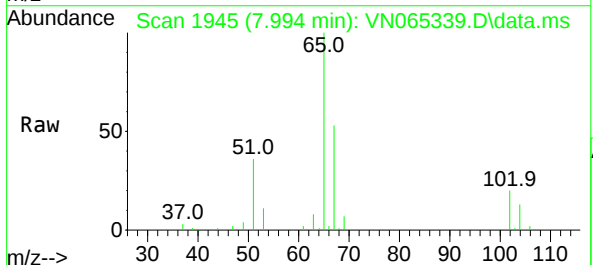
Tgt Ion: 83 Resp: 18072
Ion Ratio Lower Upper
83 100
85 61.2 50.6 75.8

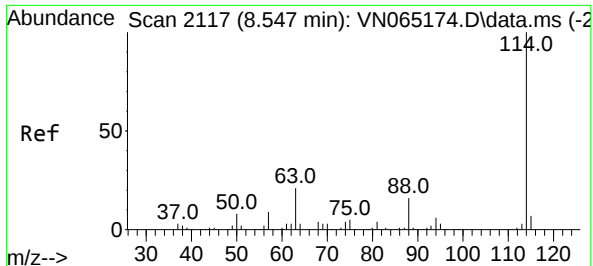


#27

1,2-Dichloroethane-d4
Concen: 29.29 ug/l
RT: 7.994 min Scan# 1945
Delta R.T. 0.010 min
Lab File: VN065339.D
Acq: 31 Dec 2020 11:43

Tgt Ion: 65 Resp: 105878
Ion Ratio Lower Upper
65 100
67 52.7 41.1 61.7

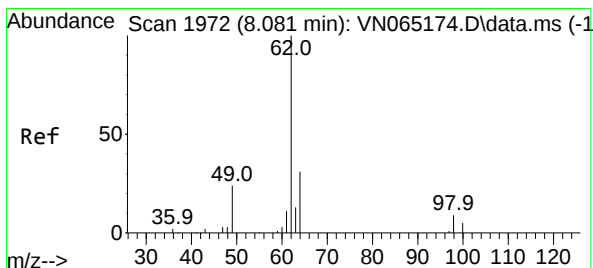
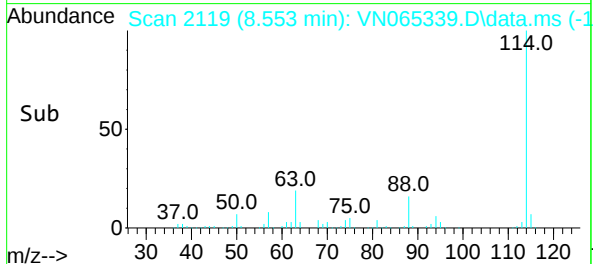
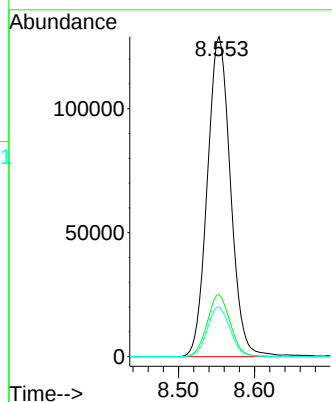
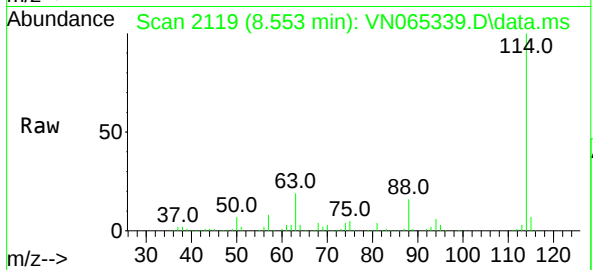




#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.006 min
Lab File: VN065339.D
Acq: 31 Dec 2020 11:43

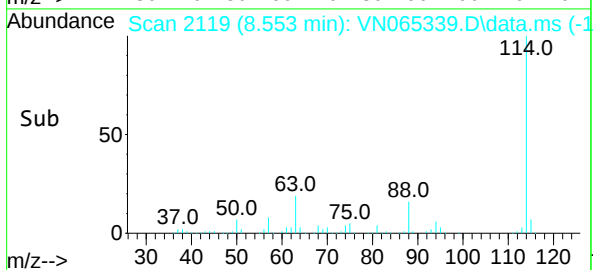
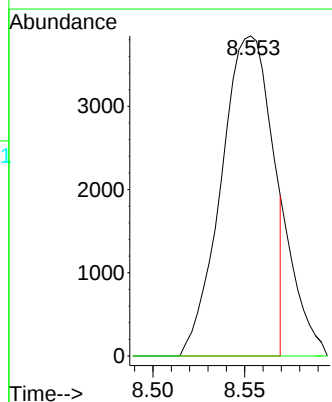
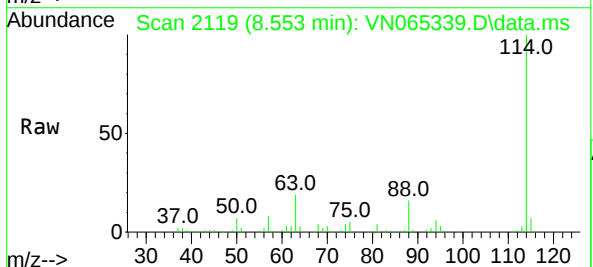
Instrument :
MSVOA_N
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201230022-02

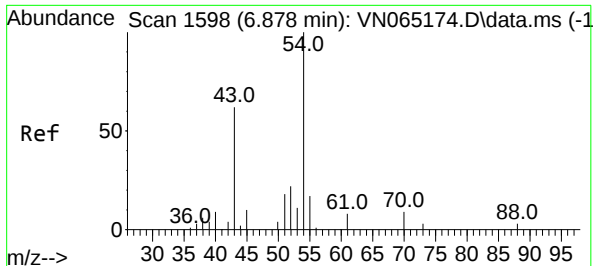
Tgt Ion:114 Resp: 273064
Ion Ratio Lower Upper
114 100
63 19.4 18.5 27.7
88 15.4 13.0 19.6



#36
1,2-Dichloroethane
Concen: 1.68 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.473 min
Lab File: VN065339.D
Acq: 31 Dec 2020 11:43

Tgt Ion: 62 Resp: 7397
Ion Ratio Lower Upper
62 100
98 0.0 5.5 8.3#





#43

Ethyl Acetate

Concen: 0.36 ug/l

RT: 6.901 min Scan# 1605

Delta R.T. 0.022 min

Lab File: VN065339.D

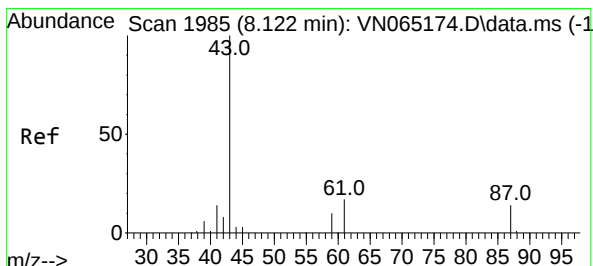
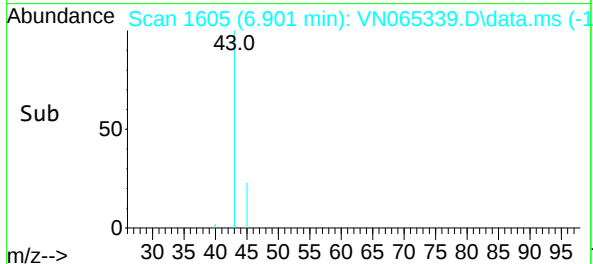
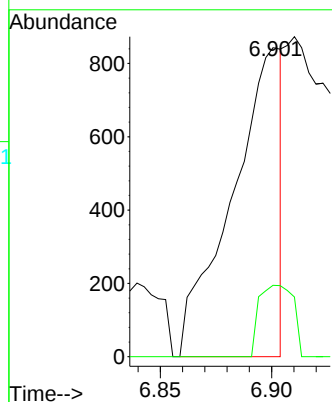
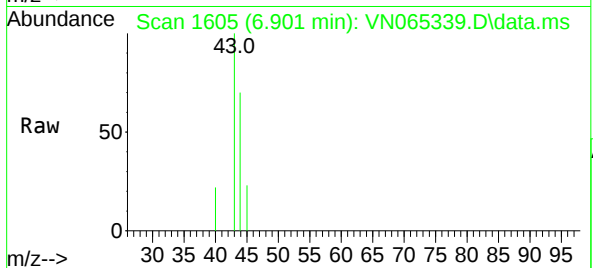
Acq: 31 Dec 2020 11:43

Tgt Ion: 43 Resp: 1303

Ion Ratio Lower Upper

43 100

45 16.0 10.9 16.3



#44

Isopropyl Acetate

Concen: 0.47 ug/l

RT: 8.222 min Scan# 2016

Delta R.T. 0.100 min

Lab File: VN065339.D

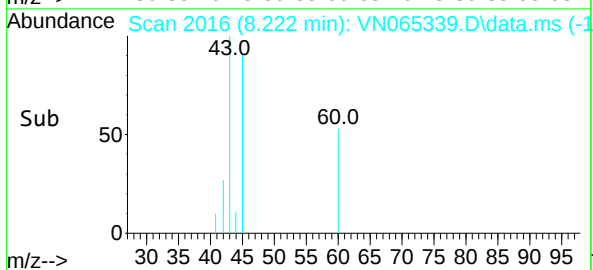
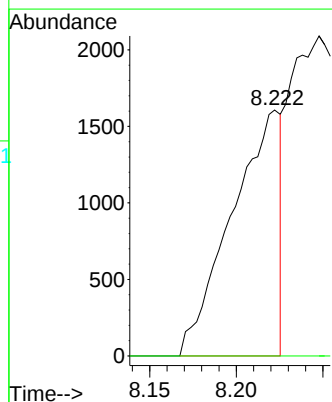
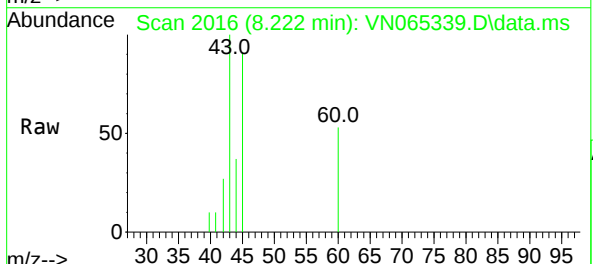
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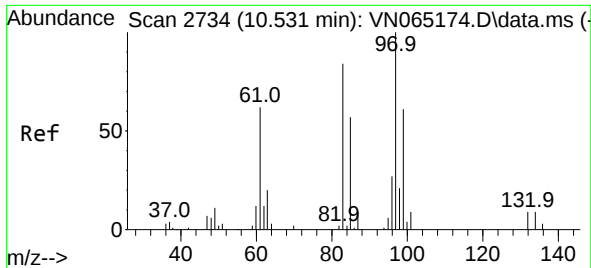
Tgt Ion: 43 Resp: 3172

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

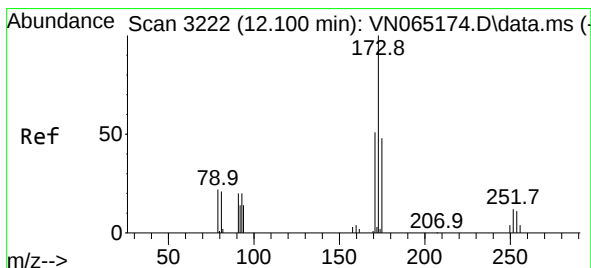
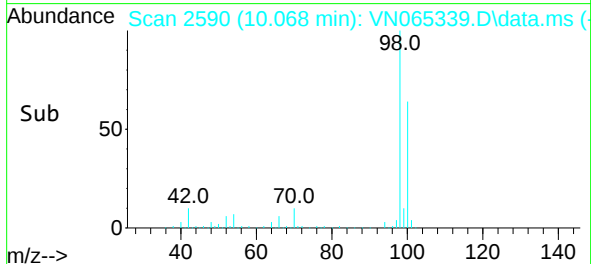
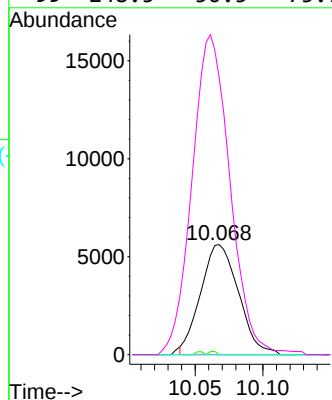
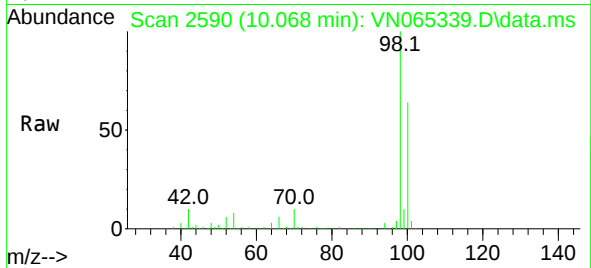




#50
1,1,2-Trichloroethane
Concen: 3.70 ug/l
RT: 10.068 min Scan# 2590
Delta R.T. -0.463 min
Lab File: VN065339.D
Acq: 31 Dec 2020 11:43

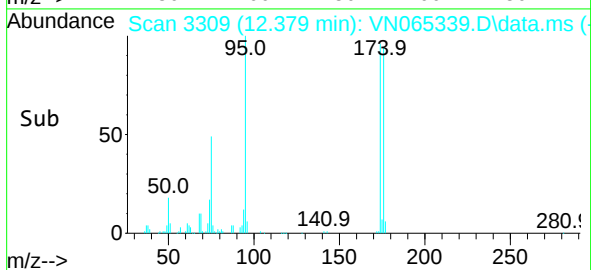
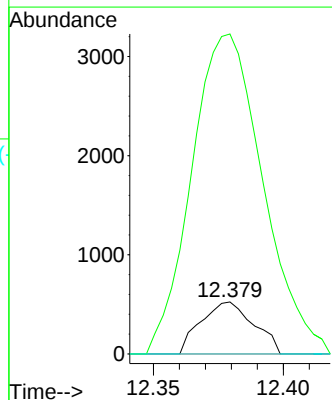
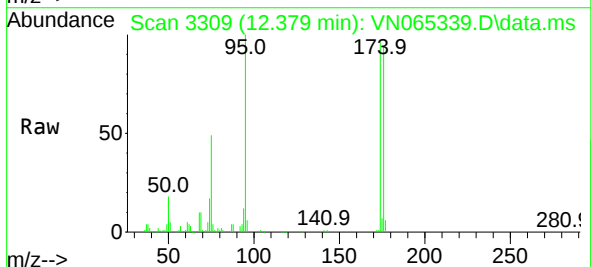
Instrument :
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201230022-02

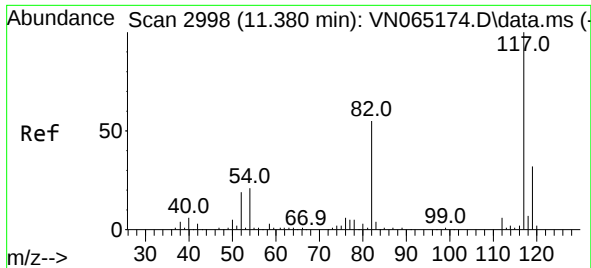
Tgt Ion:	97	Resp:	10915
Ion	Ratio	Lower	Upper
97	100		
83	0.0	74.2	111.4#
85	0.0	44.8	67.2#
99	248.5	50.5	75.7#



#56
Bromoform
Concen: 0.27 ug/l
RT: 12.379 min Scan# 3309
Delta R.T. 0.280 min
Lab File: VN065339.D
Acq: 31 Dec 2020 11:43

Tgt Ion:	173	Resp:	743
Ion	Ratio	Lower	Upper
173	100		
175	827.2	37.1	55.7#
254	0.0	5.4	8.2#

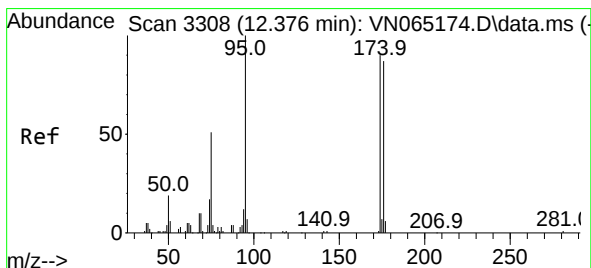
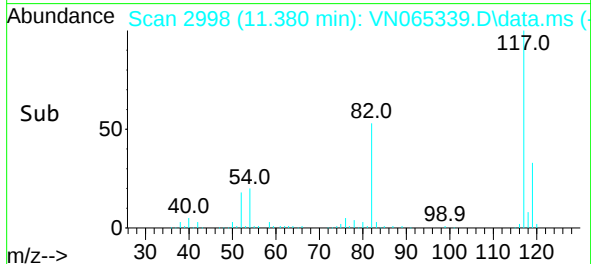
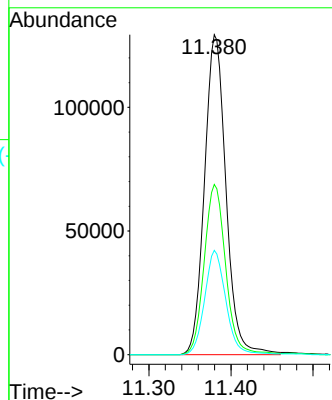
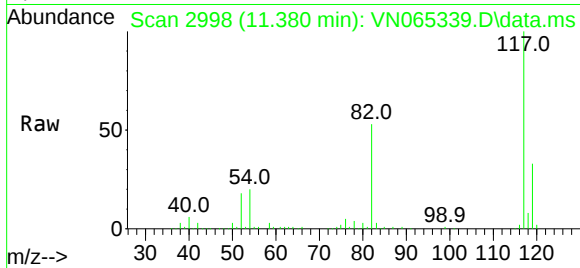




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065339.D
Acq: 31 Dec 2020 11:43

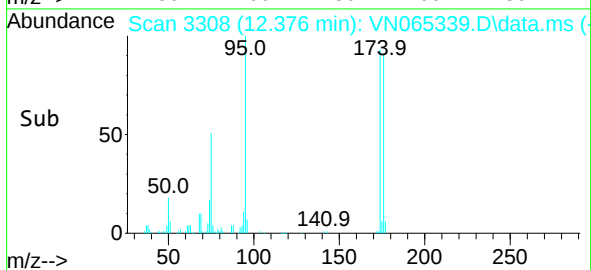
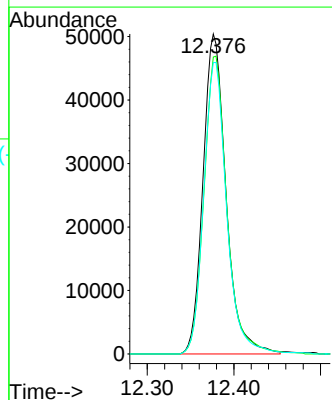
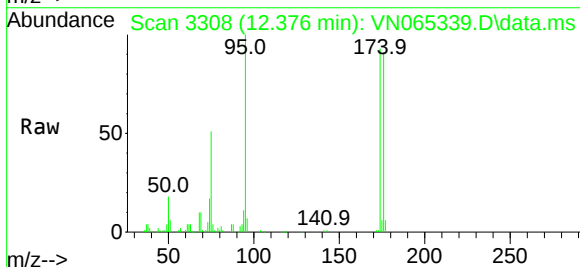
Instrument :
MSVOA_N
ClientSampleId :
201230022-02

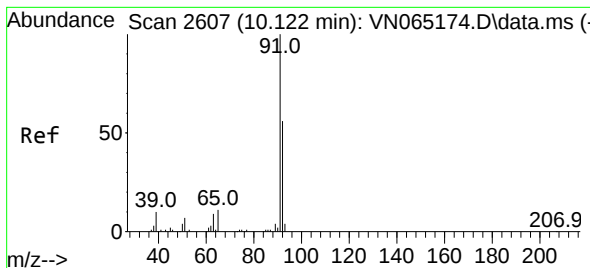
Tgt Ion:117 Resp: 235507
Ion Ratio Lower Upper
117 100
82 53.4 47.8 71.8
119 32.2 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 24.83 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.000 min
Lab File: VN065339.D
Acq: 31 Dec 2020 11:43

Tgt Ion: 95 Resp: 93009
Ion Ratio Lower Upper
95 100
174 92.9 56.4 84.6#
176 90.9 53.3 79.9#





#62

Toluene

Concen: 0.48 ug/l

RT: 10.126 min Scan# 2608

Delta R.T. 0.003 min

Lab File: VN065339.D

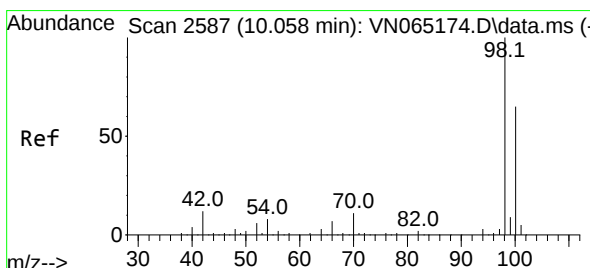
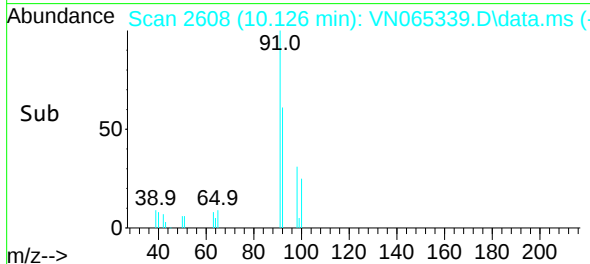
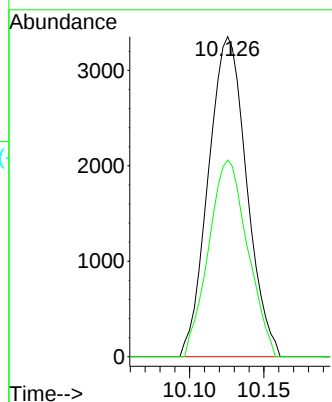
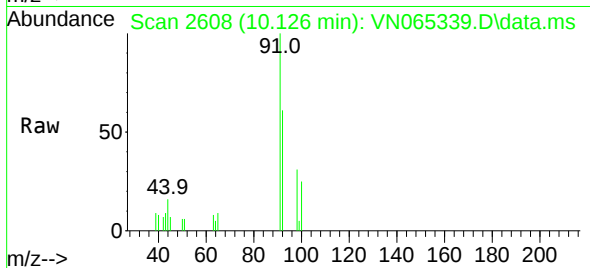
Acq: 31 Dec 2020 11:43

Tgt Ion: 91 Resp: 6016

Ion Ratio Lower Upper

91 100

92 62.4 45.4 68.2



#63

Toluene-d8

Concen: 30.45 ug/l

RT: 10.061 min Scan# 2588

Delta R.T. 0.003 min

Lab File: VN065339.D

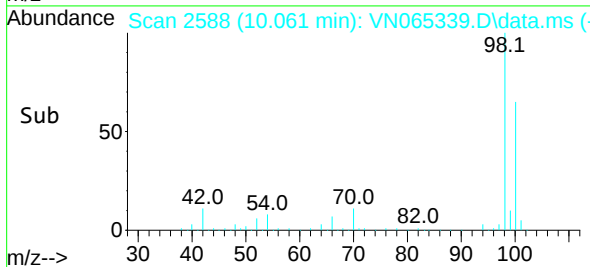
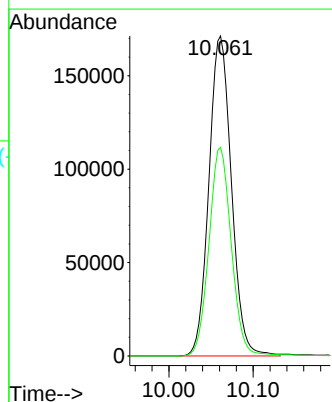
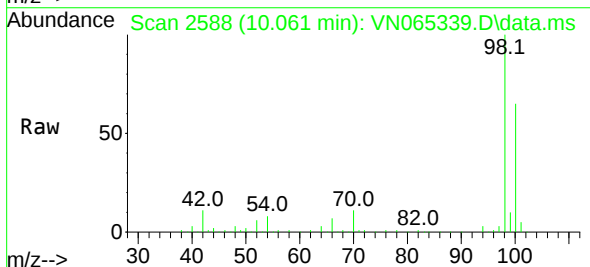
Acq: 31 Dec 2020 11:43

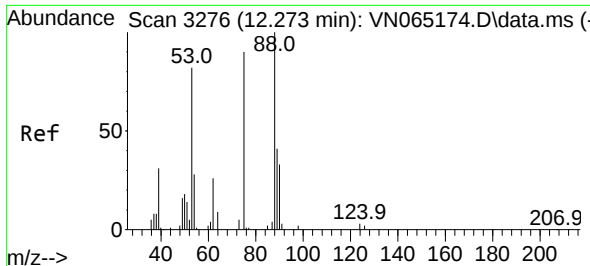
Tgt Ion: 98 Resp: 318036

Ion Ratio Lower Upper

98 100

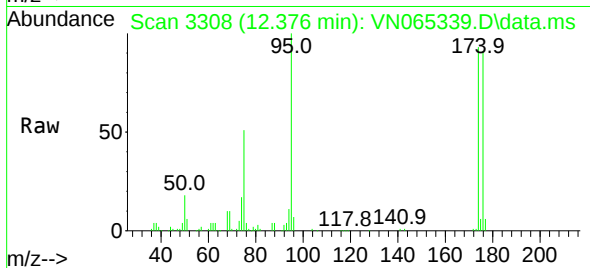
100 64.5 49.4 74.2



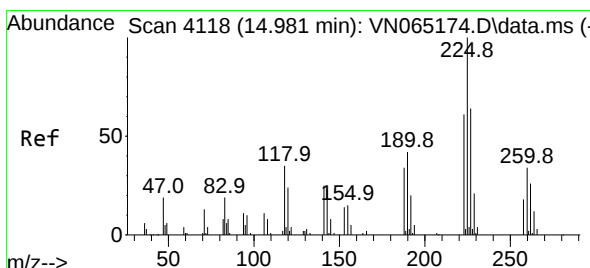
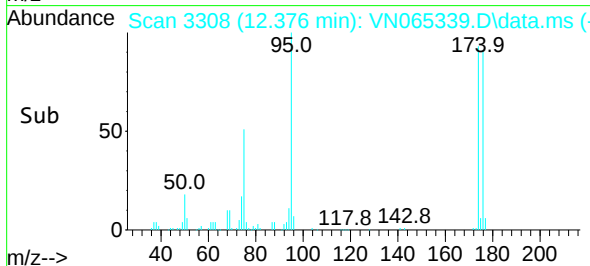
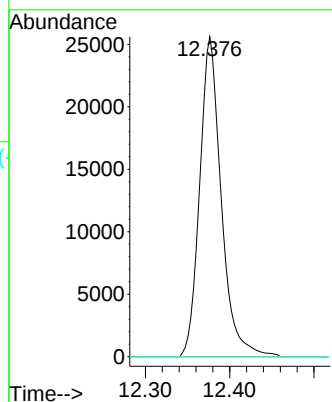


#77
t-1,4-Dichloro-2-butene
Concen: 30.93 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065339.D
Acq: 31 Dec 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
201230022-02

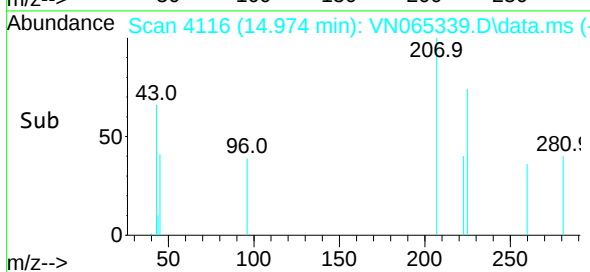
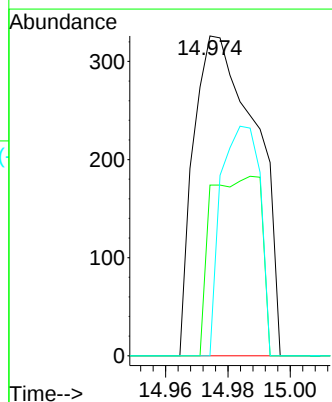
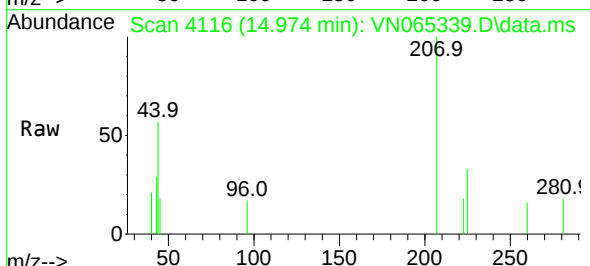


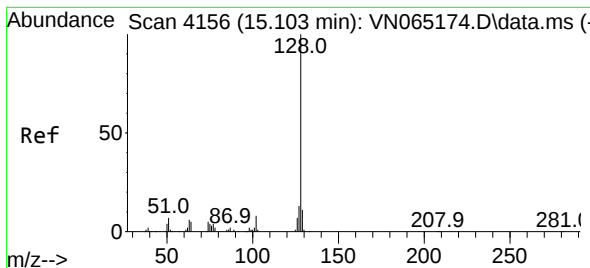
Tgt Ion:	75	Resp:	45548
Ion Ratio	Lower	Upper	
75	100		
53	0.0	50.3	150.9#
89	0.0	23.3	69.8#



#90
Hexachlorobutadiene
Concen: 0.22 ug/l
RT: 14.974 min Scan# 4116
Delta R.T. -0.006 min
Lab File: VN065339.D
Acq: 31 Dec 2020 11:43

Tgt Ion:	225	Resp:	450
Ion Ratio	Lower	Upper	
225	100		
223	22.2	0.0	125.4
227	44.9	0.0	122.0

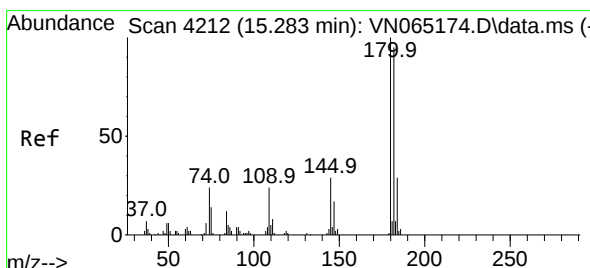
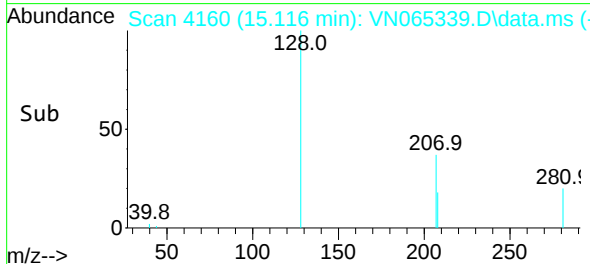
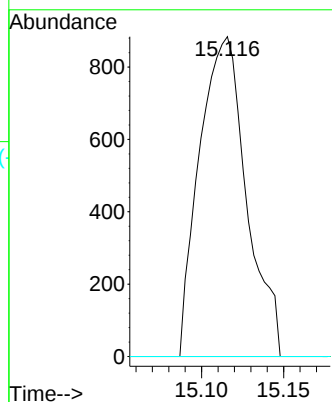
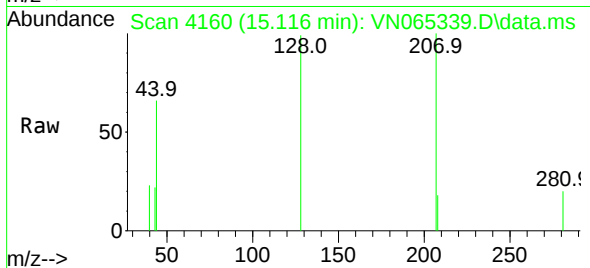




#91
Naphthalene
Concen: 0.22 ug/l
RT: 15.116 min Scan# 4160
Delta R.T. 0.013 min
Lab File: VN065339.D
Acq: 31 Dec 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
201230022-02

Tgt Ion:128 Resp: 1764
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.5 12.7#



#92
1,2,3-Trichlorobenzene
Concen: 0.23 ug/l
RT: 15.289 min Scan# 4214
Delta R.T. 0.006 min
Lab File: VN065339.D
Acq: 31 Dec 2020 11:43

Tgt Ion:180 Resp: 673
Ion Ratio Lower Upper
180 100
182 94.8 0.0 186.0
145 0.0 0.0 69.6

