

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122120\
 Data File : VN065187.D
 Acq On : 21 Dec 2020 17:53
 Operator : JC/MD
 Sample : L5174-02 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 22 05:38:54 2020
 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)

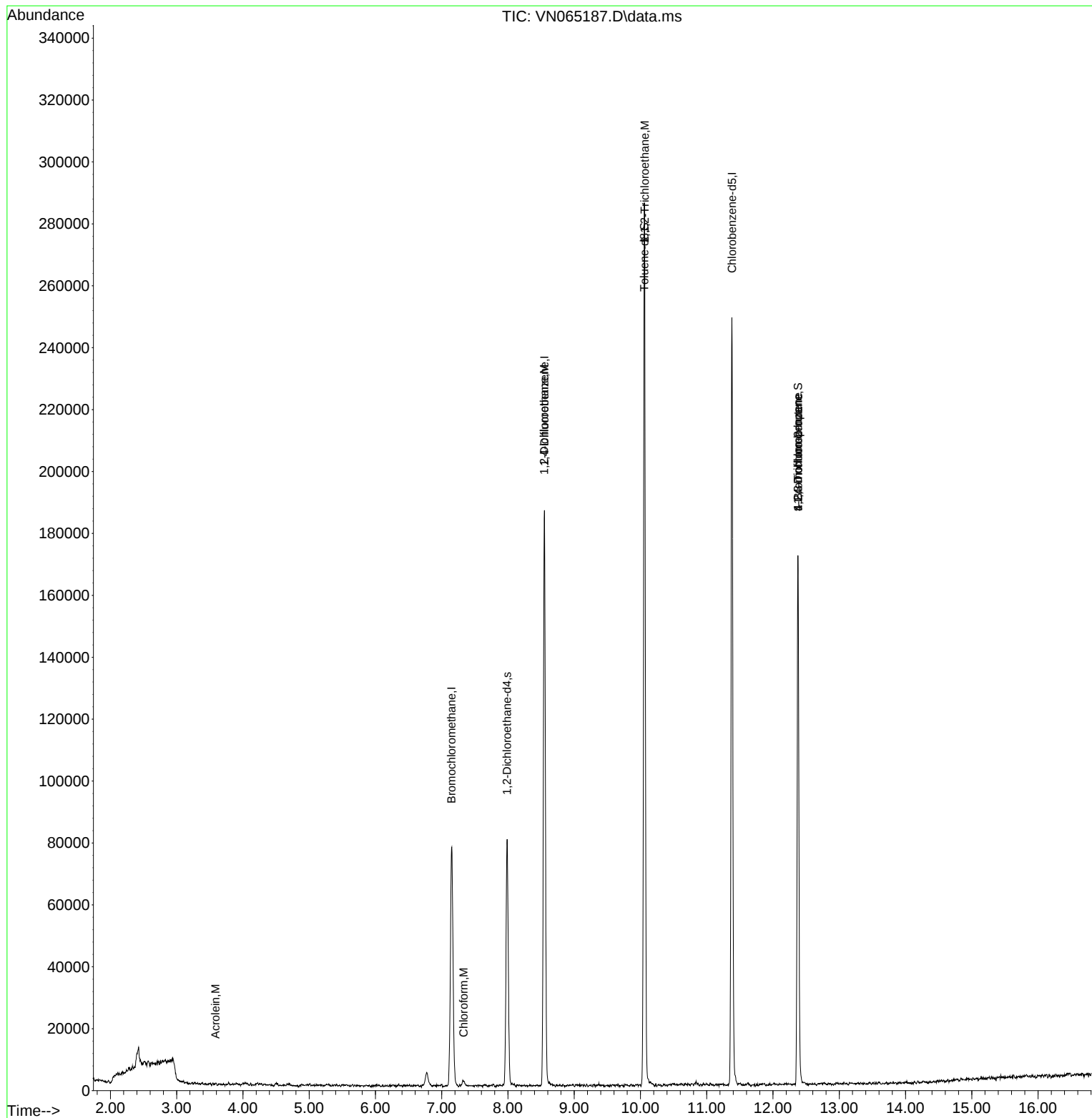
Internal Standards						
1) Bromochloromethane	7.148	128	31717	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	174366	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	146522	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.987	65	70314	30.55	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	101.83%	
60) 4-Bromofluorobenzene	12.376	95	61091	26.21	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	87.37%	
63) Toluene-d8	10.058	98	202221	31.12	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	103.73%	
Target Compounds						Qvalue
13) Acrolein	3.586	56	60	0.25	ug/l	89
25) Chloroform	7.332	83	2264	0.65	ug/l	94
36) 1,2-Dichloroethane	8.547	62	5264	1.87	ug/l #	80
50) 1,1,2-Trichloroethane	10.065	97	6766	3.60	ug/l #	1
72) 1,2,3-Trichloropropane	12.376	75	30880	13.24	ug/l	1
77) t-1,4-Dichloro-2-butene	12.376	75	30880	33.70	ug/l #	9

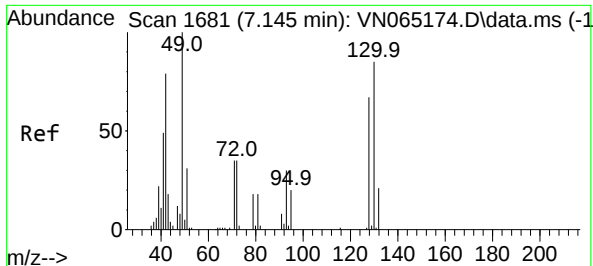
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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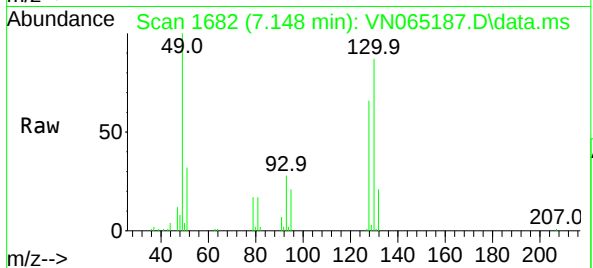
Quant Time: Dec 22 05:38:54 2020
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Dec 21 13:17:58 2020
Response via : Initial Calibration



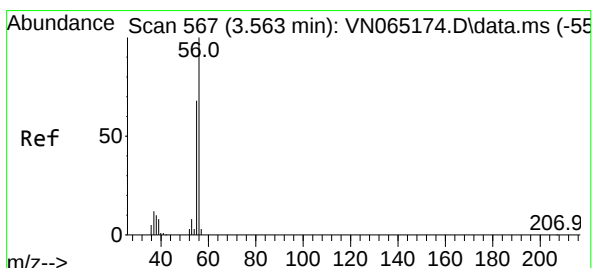
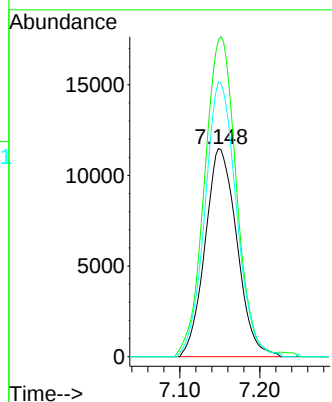
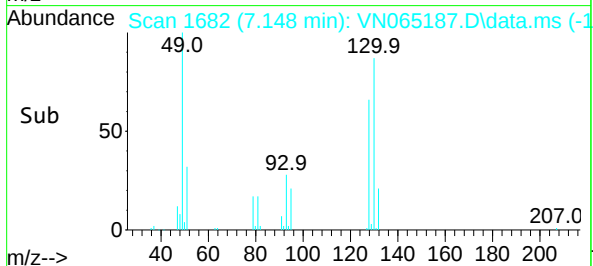


#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.148 min Scan# 1682
Delta R.T. 0.003 min
Lab File: VN065187.D
Acq: 21 Dec 2020 17:53

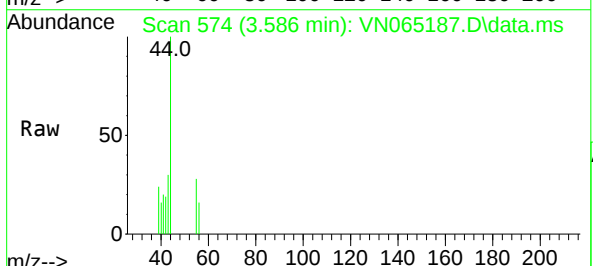
Instrument :
MSVOA_N
ClientSampled :



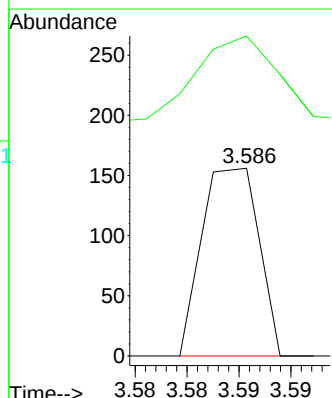
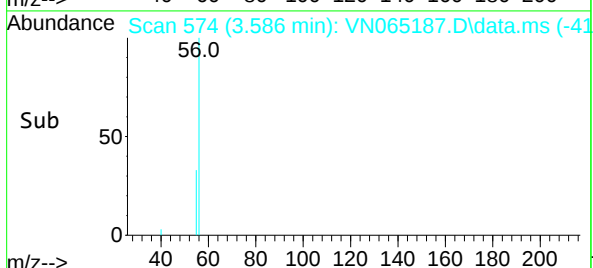
Tgt Ion:128 Resp: 31717
Ion Ratio Lower Upper
128 100
49 153.4 0.0 475.5
130 130.8 0.0 315.3

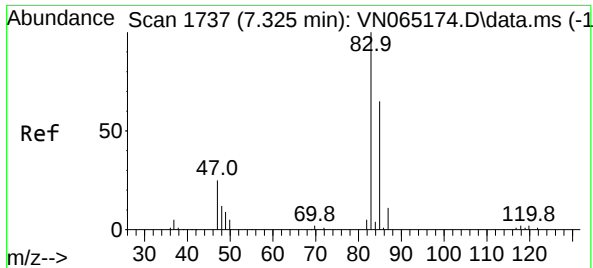


#13
Acrolein
Concen: 0.25 ug/l
RT: 3.586 min Scan# 574
Delta R.T. 0.023 min
Lab File: VN065187.D
Acq: 21 Dec 2020 17:53



Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 81.7 58.2 87.2

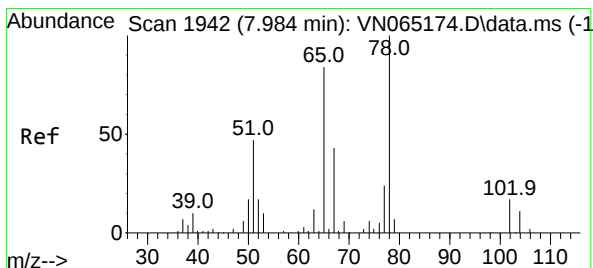
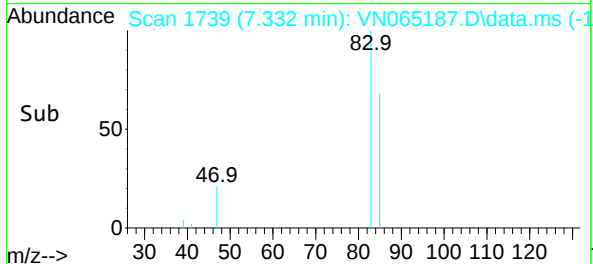
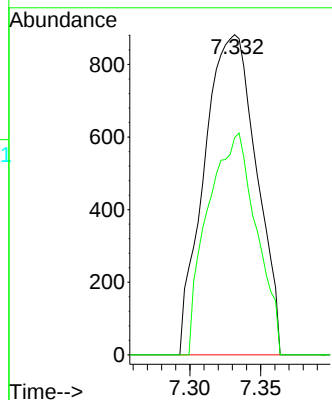
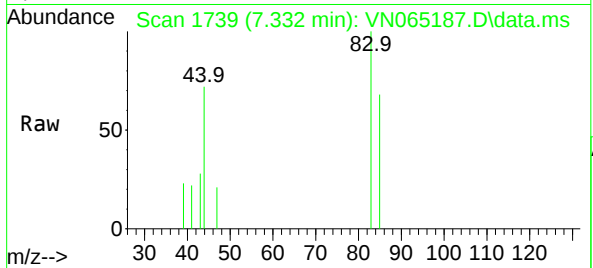




#25
Chloroform
Concen: 0.65 ug/l
RT: 7.332 min Scan# 1739
Delta R.T. 0.006 min
Lab File: VN065187.D
Acq: 21 Dec 2020 17:53

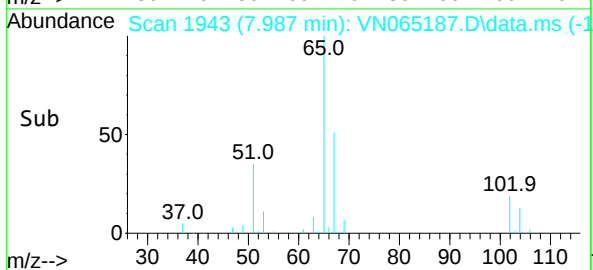
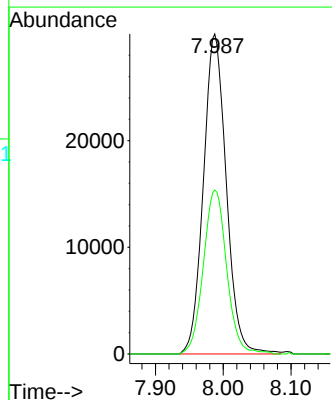
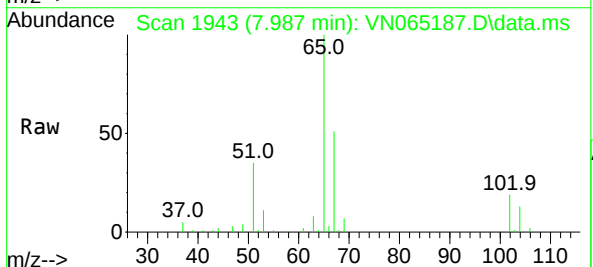
Instrument :
MSVOA_N
ClientSampleId :

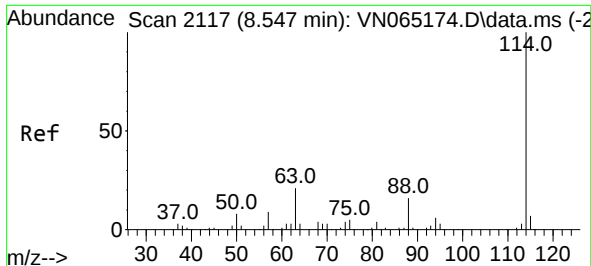
Tgt Ion: 83 Resp: 2264
Ion Ratio Lower Upper
83 100
85 67.8 50.6 75.8



#27
1,2-Dichloroethane-d4
Concen: 30.55 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.003 min
Lab File: VN065187.D
Acq: 21 Dec 2020 17:53

Tgt Ion: 65 Resp: 70314
Ion Ratio Lower Upper
65 100
67 51.6 41.1 61.7





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.550 min Scan# 2118

Delta R.T. 0.003 min

Lab File: VN065187.D

Acq: 21 Dec 2020 17:53

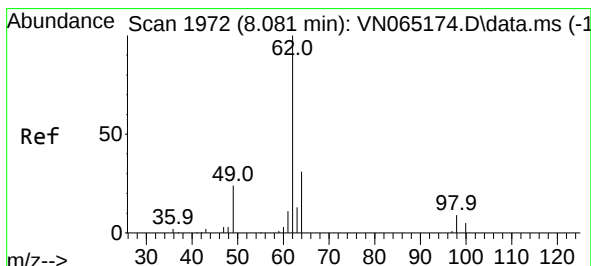
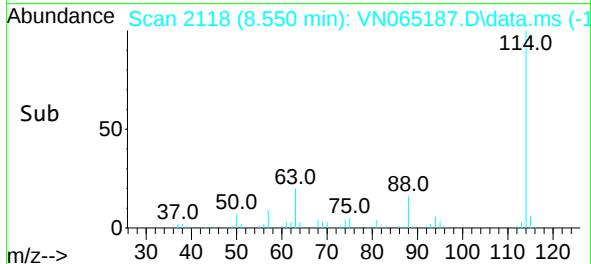
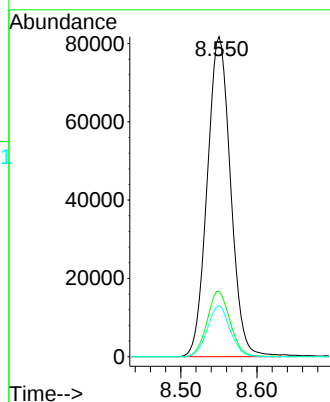
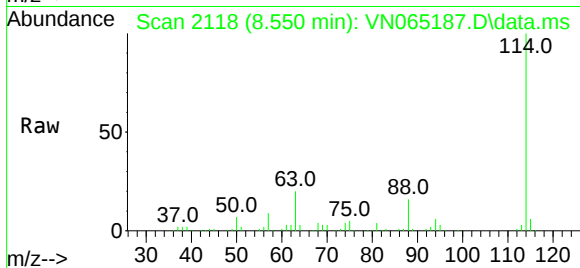
Tgt Ion:114 Resp: 174366

Ion Ratio Lower Upper

114 100

63 20.0 18.5 27.7

88 15.4 13.0 19.6



#36

1,2-Dichloroethane

Concen: 1.87 ug/l

RT: 8.547 min Scan# 2117

Delta R.T. 0.466 min

Lab File: VN065187.D

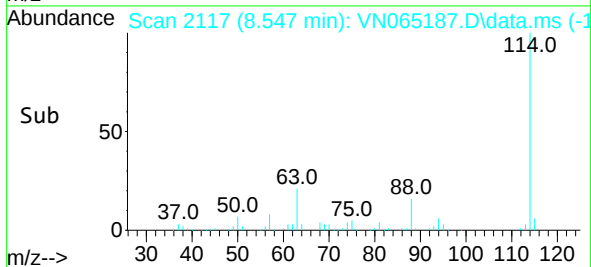
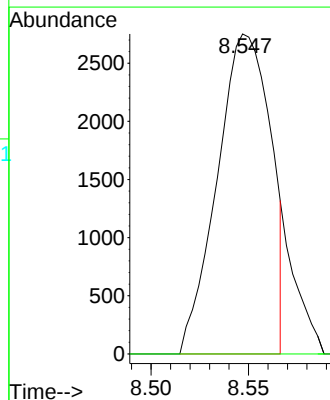
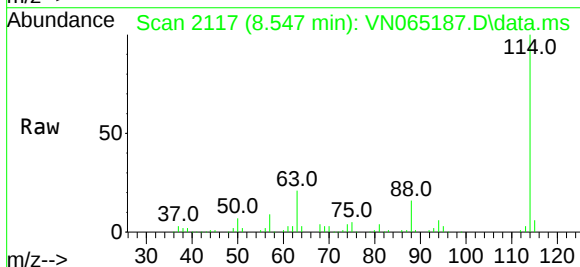
Acq: 21 Dec 2020 17:53

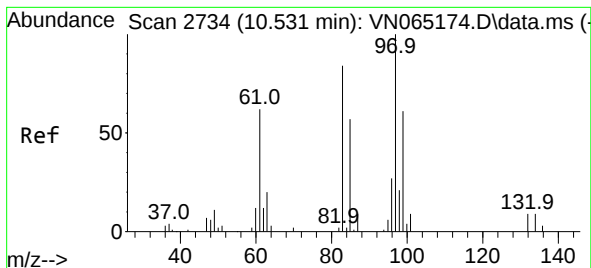
Tgt Ion: 62 Resp: 5264

Ion Ratio Lower Upper

62 100

98 0.0 5.5 8.3#

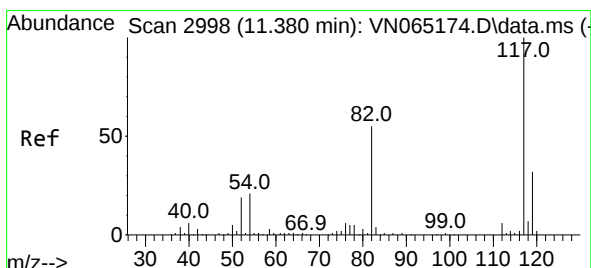
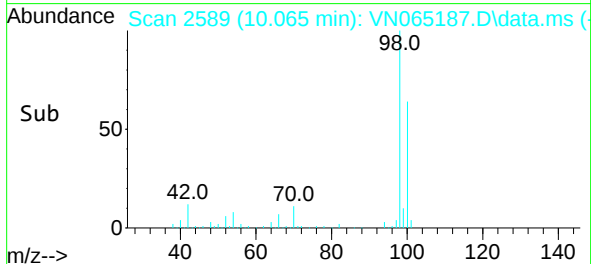
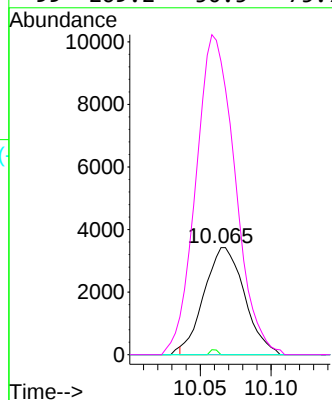
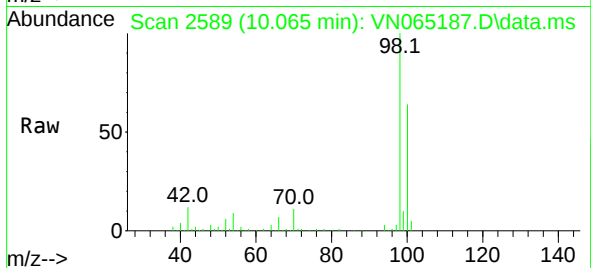




#50
1,1,2-Trichloroethane
Concen: 3.60 ug/l
RT: 10.065 min Scan# 2589
Delta R.T. -0.466 min
Lab File: VN065187.D
Acq: 21 Dec 2020 17:53

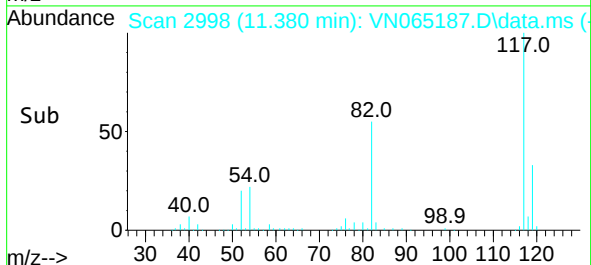
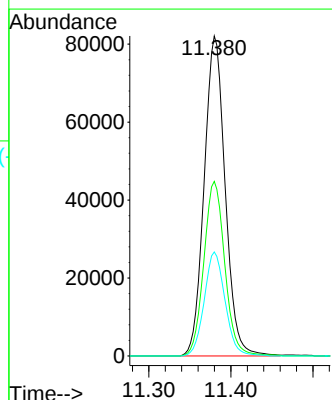
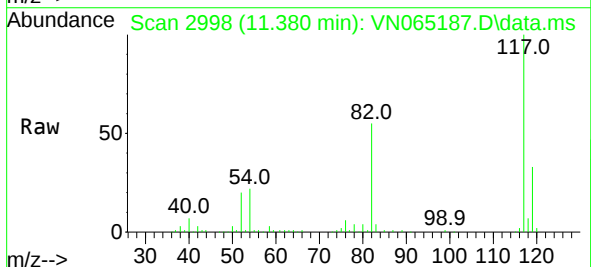
Instrument :
MSVOA_N
ClientSampleId :

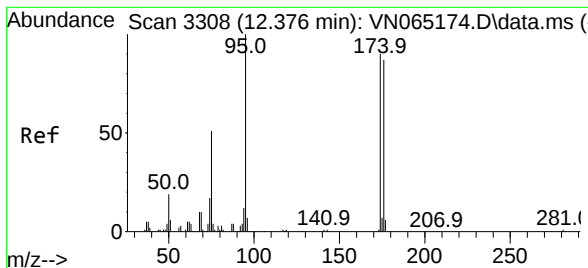
Tgt Ion: 97 Resp: 6766
Ion Ratio Lower Upper
97 100
83 0.0 74.2 111.4#
85 0.0 44.8 67.2#
99 269.2 50.5 75.7#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.000 min
Lab File: VN065187.D
Acq: 21 Dec 2020 17:53

Tgt Ion: 117 Resp: 146522
Ion Ratio Lower Upper
117 100
82 54.4 47.8 71.8
119 32.1 25.7 38.5

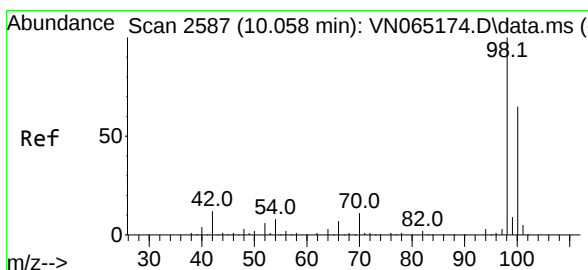
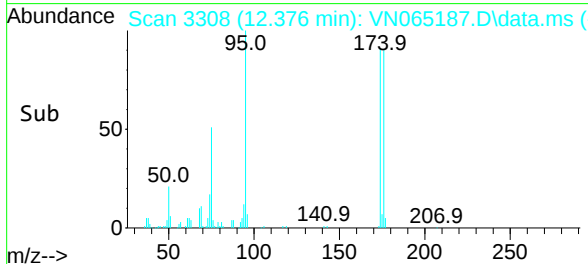
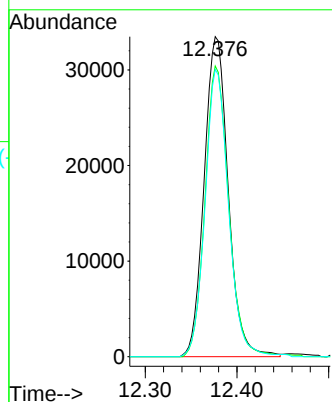
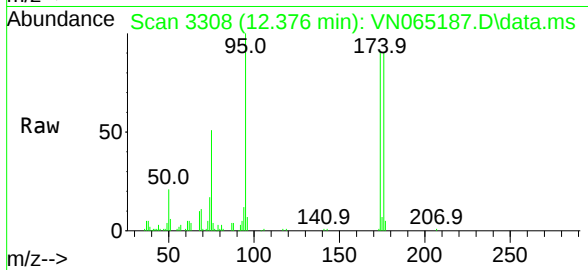




#60
4-Bromofluorobenzene
Concen: 26.21 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065187.D
Acq: 21 Dec 2020 17:53

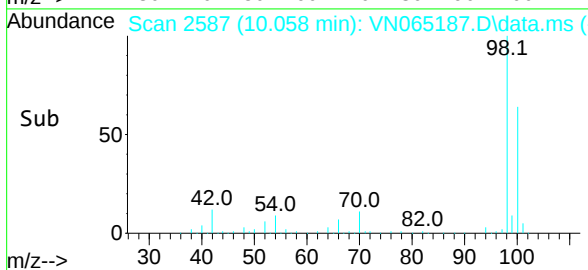
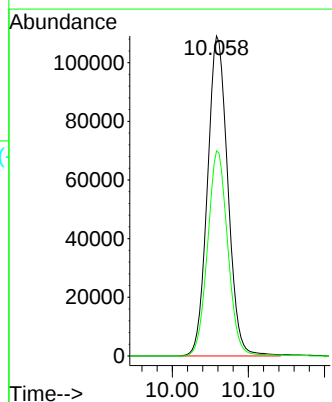
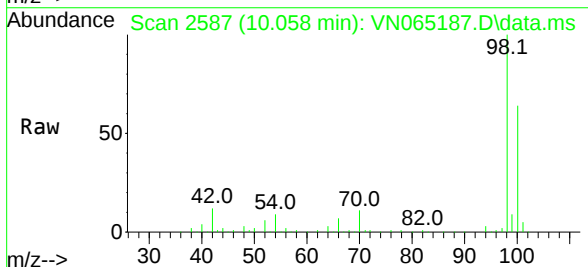
Instrument :
MSVOA_N
ClientSampleId :

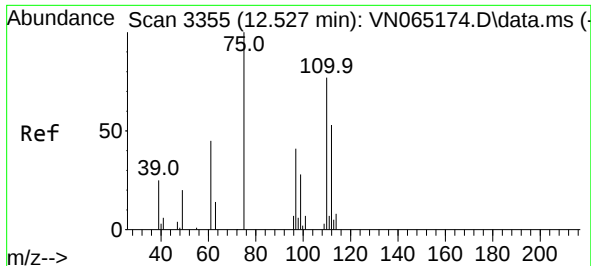
Tgt Ion: 95 Resp: 61091
Ion Ratio Lower Upper
95 100
174 89.2 56.4 84.6#
176 87.1 53.3 79.9#



#63
Toluene-d8
Concen: 31.12 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065187.D
Acq: 21 Dec 2020 17:53

Tgt Ion: 98 Resp: 202221
Ion Ratio Lower Upper
98 100
100 63.7 49.4 74.2

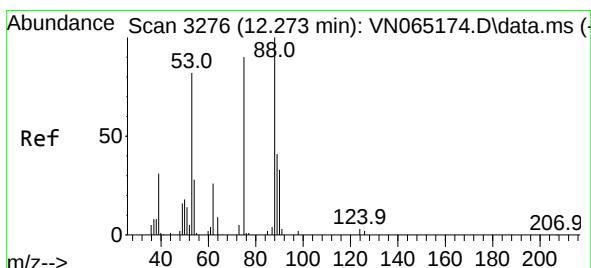
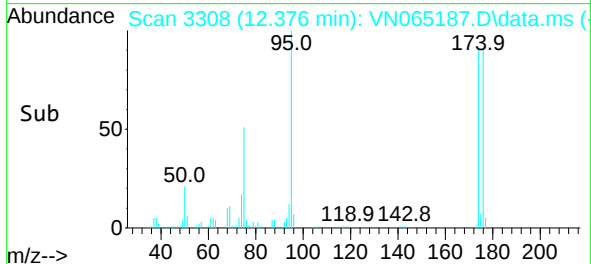
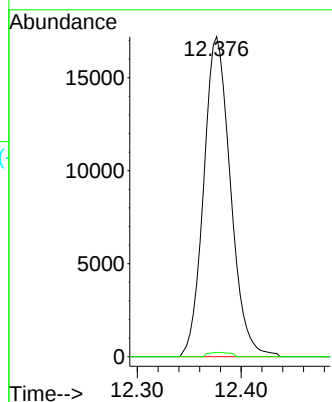
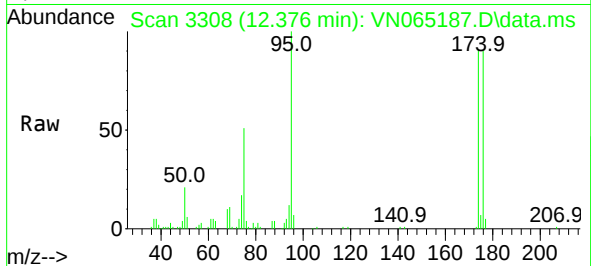




#72
1,2,3-Trichloropropane
Concen: 13.24 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065187.D
Acq: 21 Dec 2020 17:53

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 30880
Ion Ratio Lower Upper
75 100
77 1.1 0.0 379.4



#77
t-1,4-Dichloro-2-butene
Concen: 33.70 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065187.D
Acq: 21 Dec 2020 17:53

Tgt Ion: 75 Resp: 30880
Ion Ratio Lower Upper
75 100
53 0.0 50.3 150.9#
89 0.0 23.3 69.8#

