

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122120\
 Data File : VN065188.D
 Acq On : 21 Dec 2020 18:17
 Operator : JC/MD
 Sample : L5174-03 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 22 05:39:10 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)

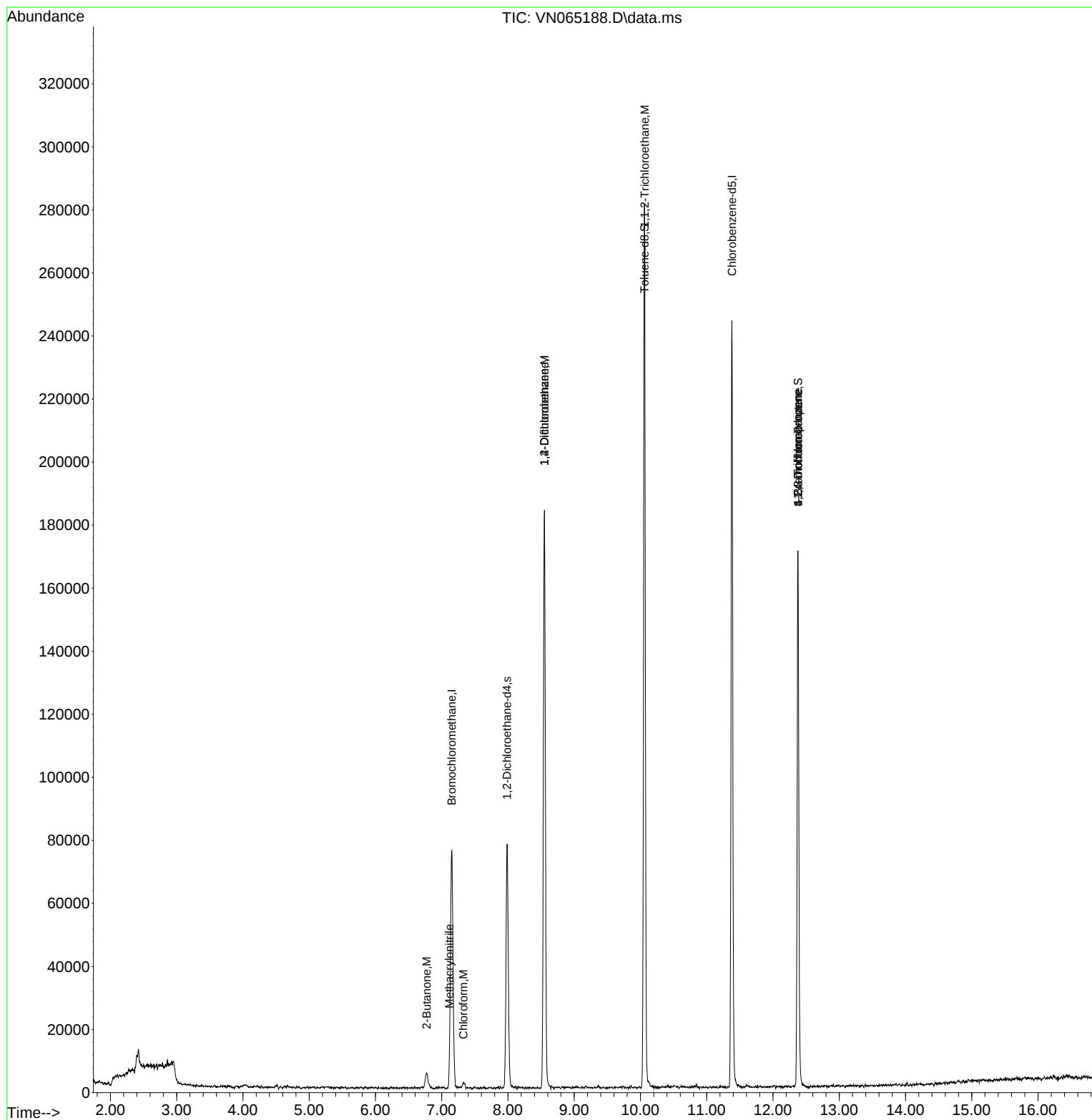
Internal Standards						
1) Bromochloromethane	7.151	128	30773	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	170445	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	143532	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.987	65	68289	30.58	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.93%			
60) 4-Bromofluorobenzene	12.376	95	60002	26.28	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 87.60%			
63) Toluene-d8	10.061	98	196043	30.79	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.63%			
Target Compounds						Qvalue
25) Chloroform	7.325	83	2064	0.61	ug/l	98
30) 2-Butanone	6.775	43	252	0.22	ug/l #	72
35) Methacrylonitrile	7.116	41	278	0.26	ug/l #	33
36) 1,2-Dichloroethane	8.550	62	5694	2.07	ug/l #	80
50) 1,1,2-Trichloroethane	10.064	97	6600	3.59	ug/l #	1
72) 1,2,3-Trichloropropane	12.376	75	29793	13.04	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.376	75	29793	33.20	ug/l #	9

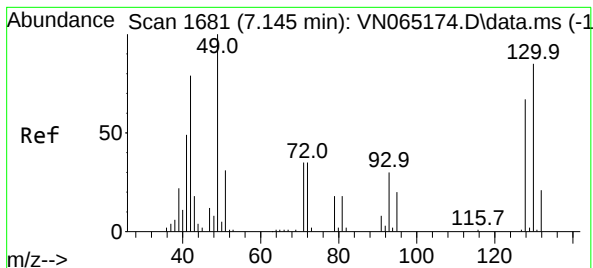
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

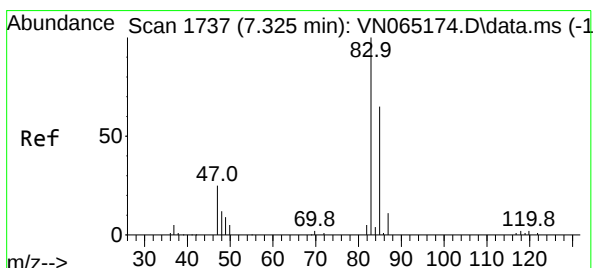
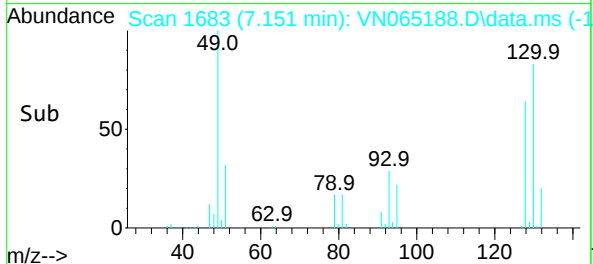
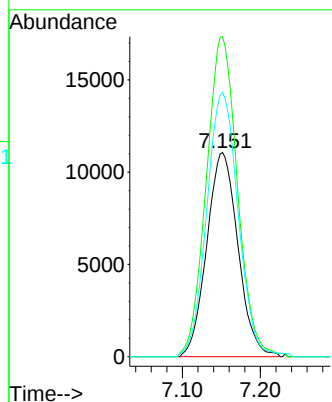
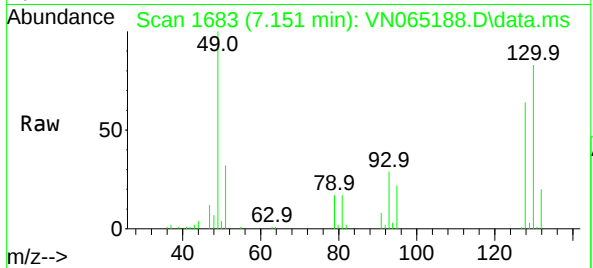




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.151 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VN065188.D
Acq: 21 Dec 2020 18:17

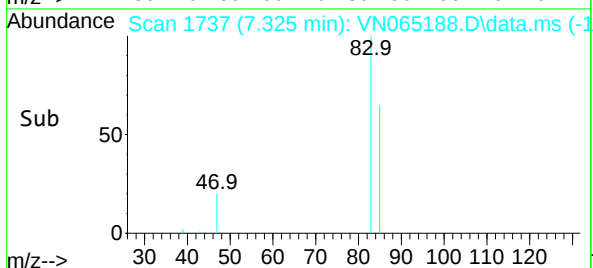
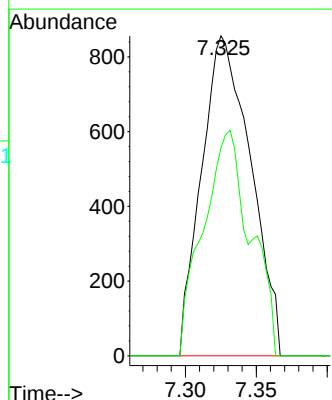
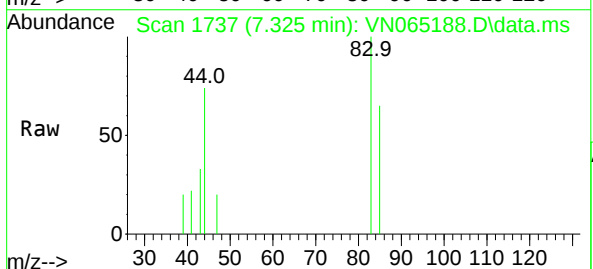
Instrument :
MSVOA_N
ClientSampled :

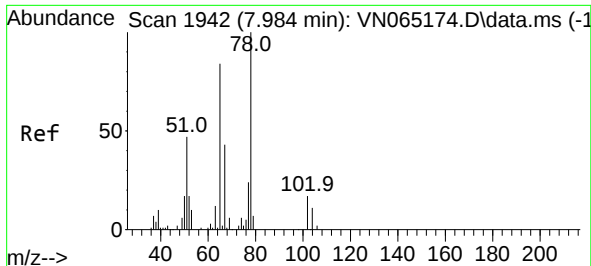
Tgt Ion:128 Resp: 30773
Ion Ratio Lower Upper
128 100
49 156.4 0.0 475.5
130 130.6 0.0 315.3



#25
Chloroform
Concen: 0.61 ug/l
RT: 7.325 min Scan# 1737
Delta R.T. -0.000 min
Lab File: VN065188.D
Acq: 21 Dec 2020 18:17

Tgt Ion: 83 Resp: 2064
Ion Ratio Lower Upper
83 100
85 65.1 50.6 75.8





#27

1,2-Dichloroethane-d4

Concen: 30.58 ug/l

RT: 7.987 min Scan# 1943

Delta R.T. 0.003 min

Lab File: VN065188.D

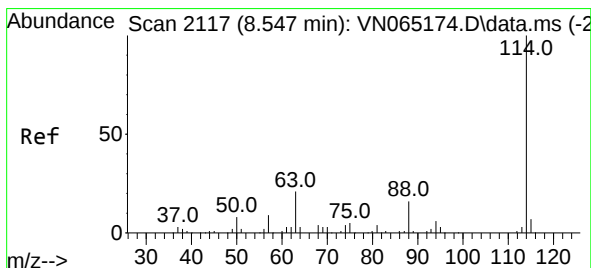
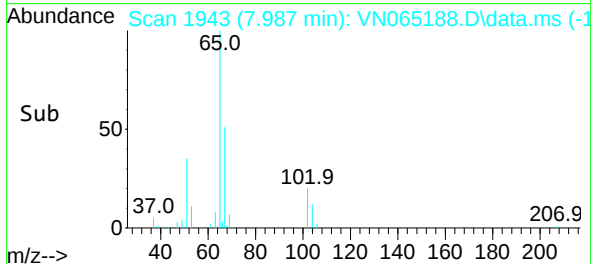
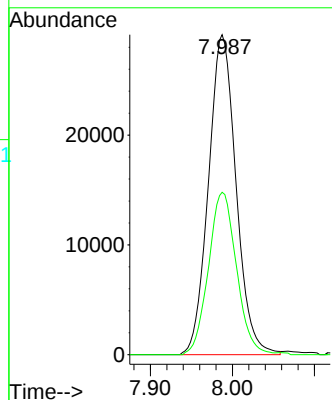
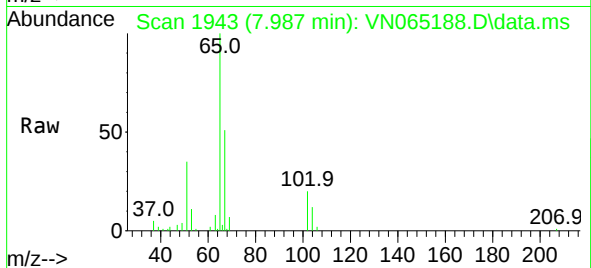
Acq: 21 Dec 2020 18:17

Tgt Ion: 65 Resp: 68289

Ion Ratio Lower Upper

65 100

67 51.4 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: VN065188.D

Acq: 21 Dec 2020 18:17

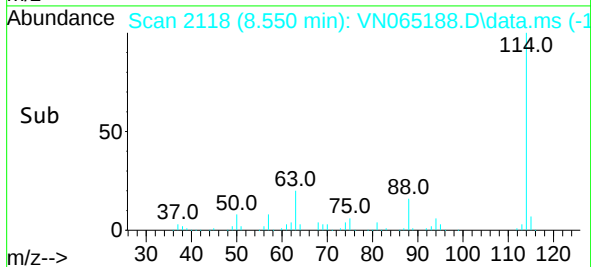
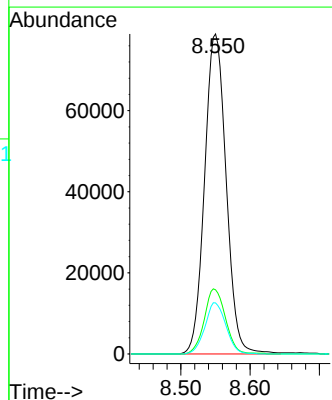
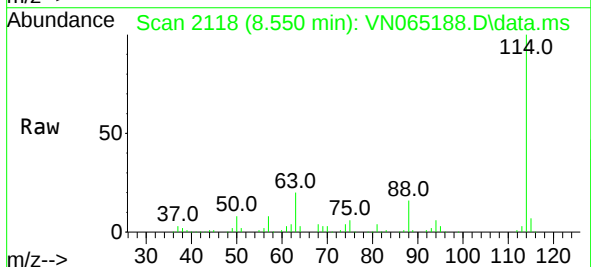
Tgt Ion: 114 Resp: 170445

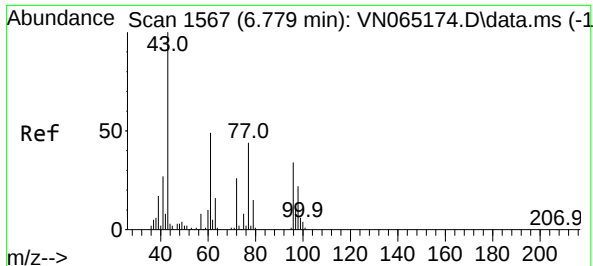
Ion Ratio Lower Upper

114 100

63 20.0 18.5 27.7

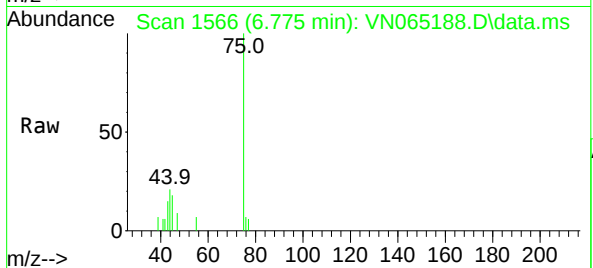
88 15.5 13.0 19.6



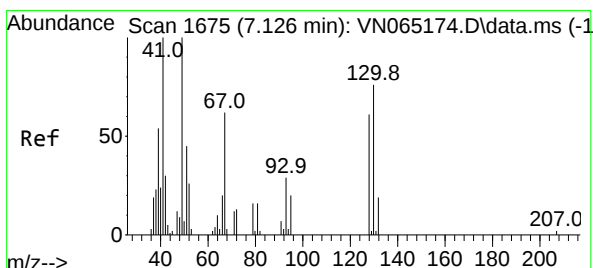
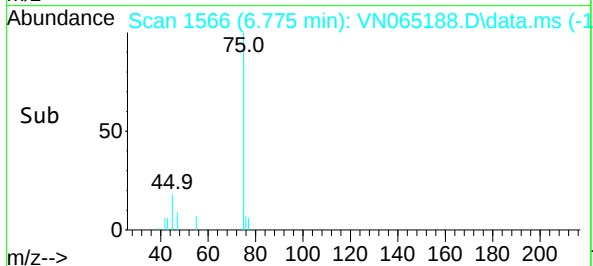
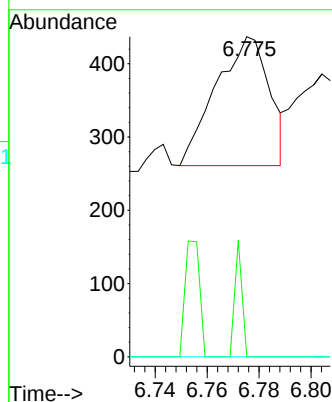


#30
2-Butanone
Concen: 0.22 ug/l
RT: 6.775 min Scan# 1566
Delta R.T. -0.003 min
Lab File: VN065188.D
Acq: 21 Dec 2020 18:17

Instrument :
MSVOA_N
ClientSampled :

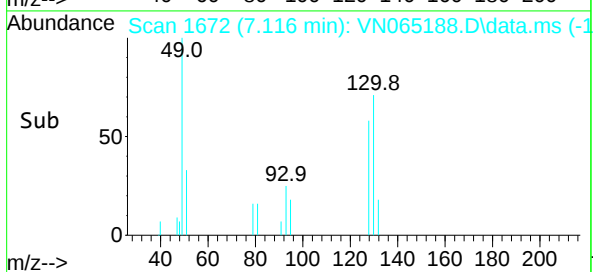
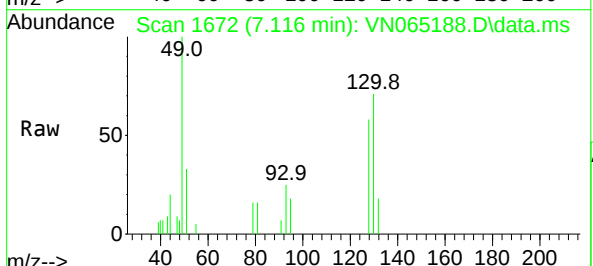
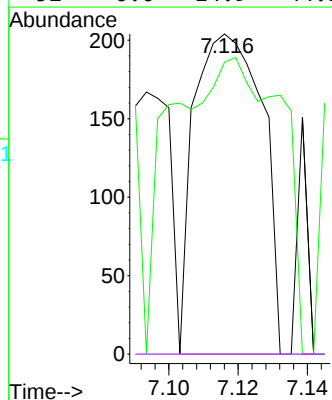


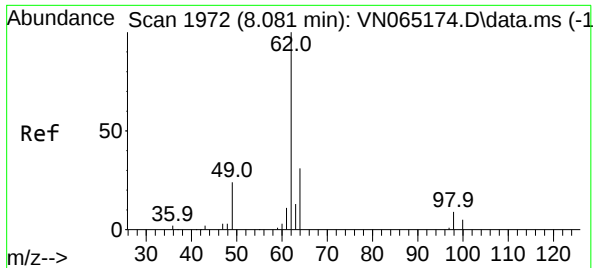
Tgt Ion:	43	Resp:	252
Ion Ratio	100	Lower	Upper
43	100		
57	0.0	6.2	9.4#
72	0.0	9.9	14.9#



#35
Methacrylonitrile
Concen: 0.26 ug/l
RT: 7.116 min Scan# 1672
Delta R.T. -0.010 min
Lab File: VN065188.D
Acq: 21 Dec 2020 18:17

Tgt Ion:	41	Resp:	278
Ion Ratio	100	Lower	Upper
41	100		
39	12.7	30.0	90.1#
67	0.0	29.2	87.6#
52	0.0	14.9	44.9#

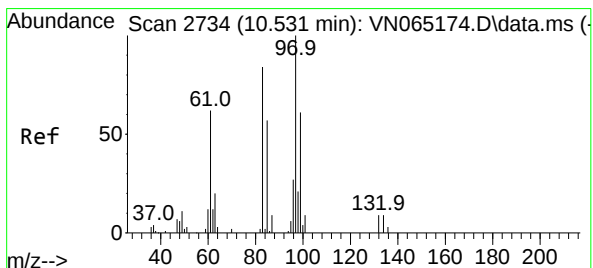
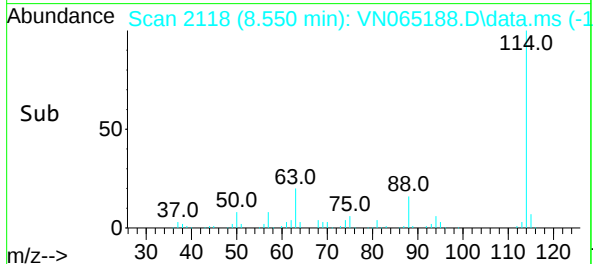
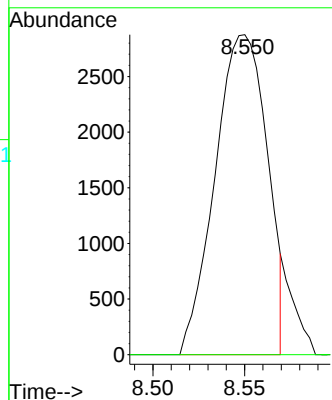
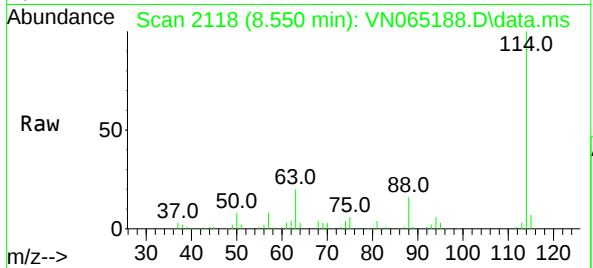




#36
1,2-Dichloroethane
Concen: 2.07 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.469 min
Lab File: VN065188.D
Acq: 21 Dec 2020 18:17

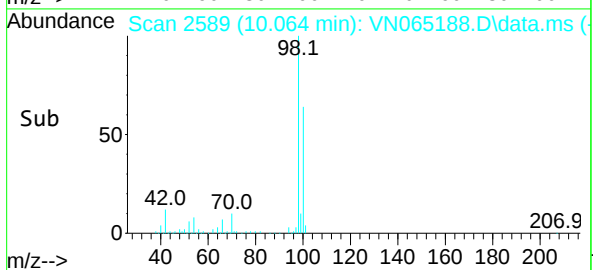
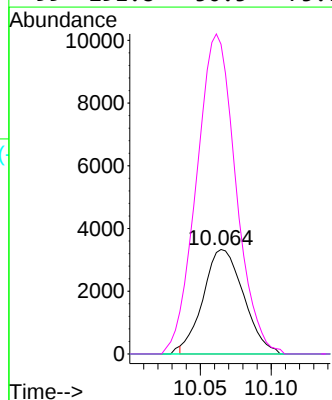
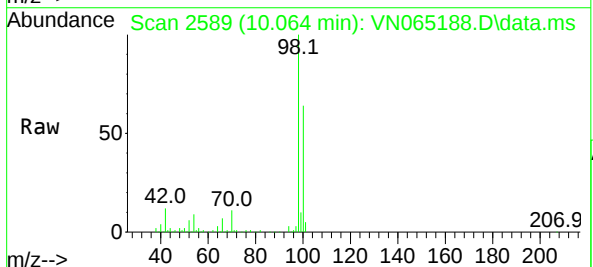
Instrument :
MSVOA_N
ClientSampled :

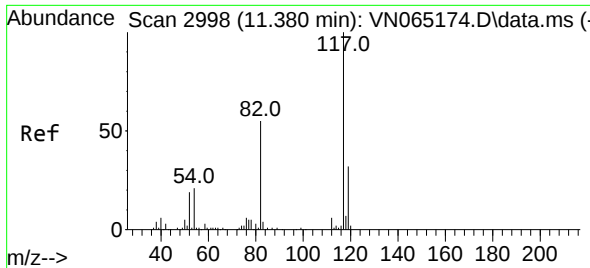
Tgt Ion: 62 Resp: 5694
Ion Ratio Lower Upper
62 100
98 0.0 5.5 8.3#



#50
1,1,2-Trichloroethane
Concen: 3.59 ug/l
RT: 10.064 min Scan# 2589
Delta R.T. -0.466 min
Lab File: VN065188.D
Acq: 21 Dec 2020 18:17

Tgt Ion: 97 Resp: 6600
Ion Ratio Lower Upper
97 100
83 0.0 74.2 111.4#
85 0.0 44.8 67.2#
99 291.8 50.5 75.7#

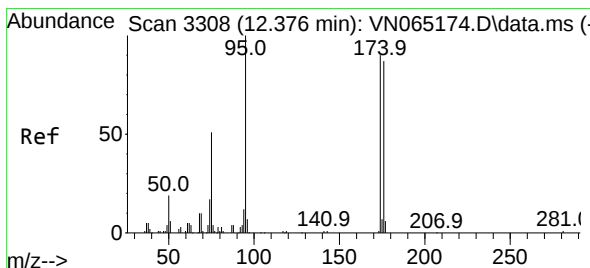
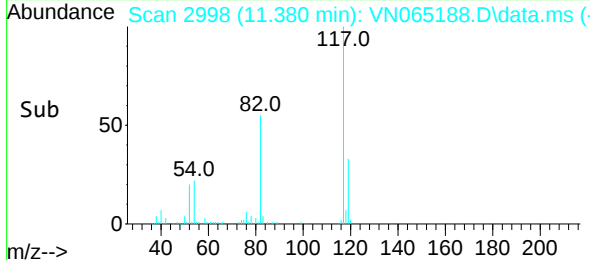
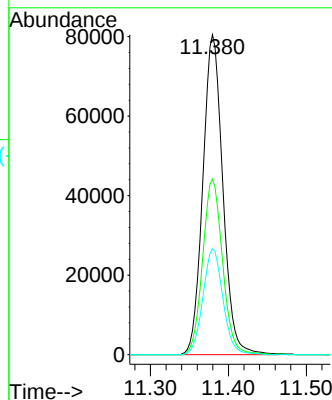
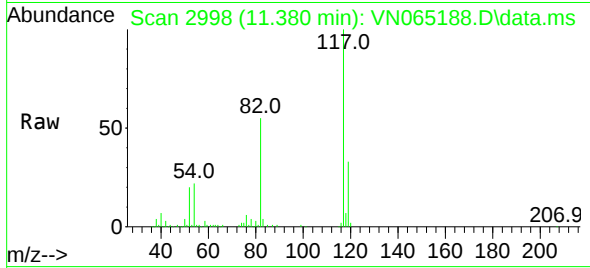




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065188.D
Acq: 21 Dec 2020 18:17

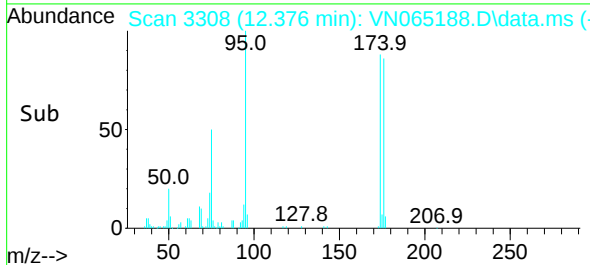
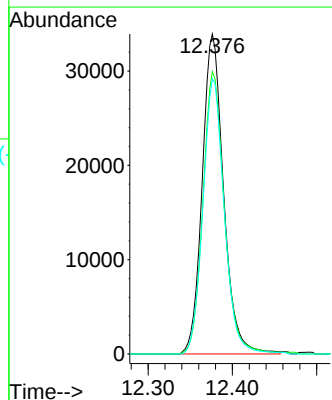
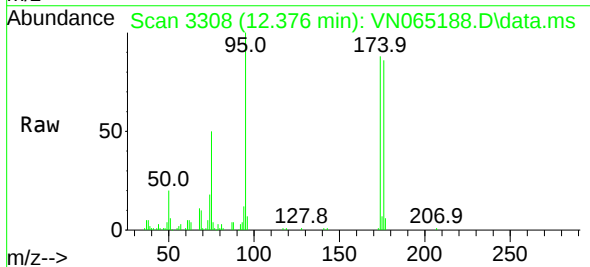
Instrument :
MSVOA_N
ClientSampleId :

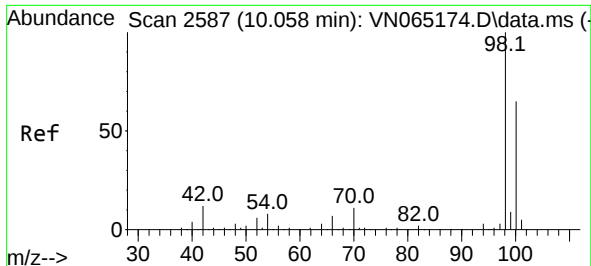
Tgt Ion:117 Resp: 143532
Ion Ratio Lower Upper
117 100
82 54.8 47.8 71.8
119 33.1 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 26.28 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.000 min
Lab File: VN065188.D
Acq: 21 Dec 2020 18:17

Tgt Ion: 95 Resp: 60002
Ion Ratio Lower Upper
95 100
174 88.1 56.4 84.6#
176 85.8 53.3 79.9#

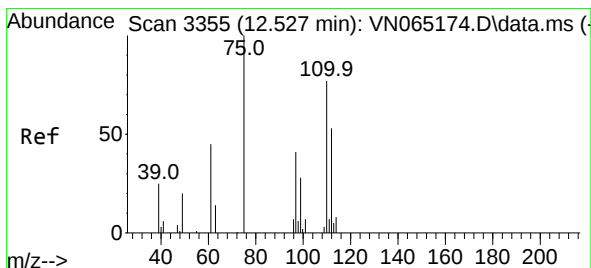
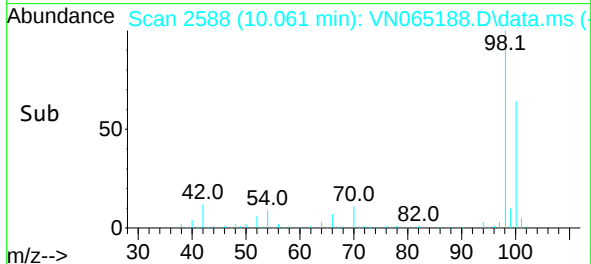
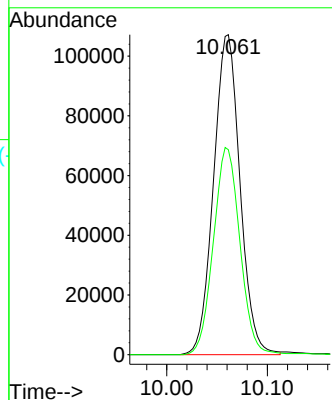
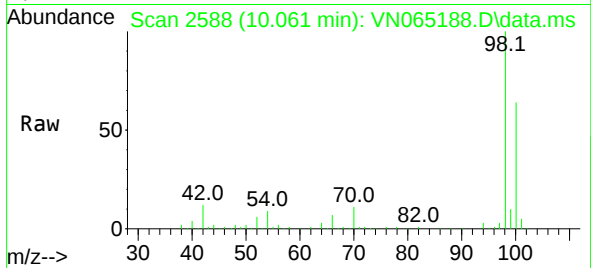




#63
Toluene-d8
Concen: 30.79 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065188.D
Acq: 21 Dec 2020 18:17

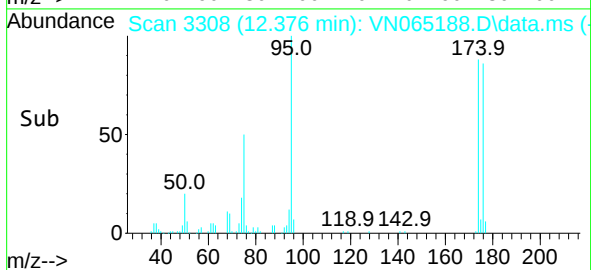
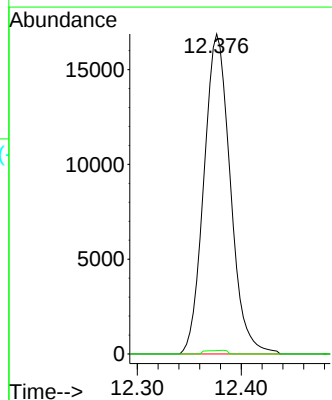
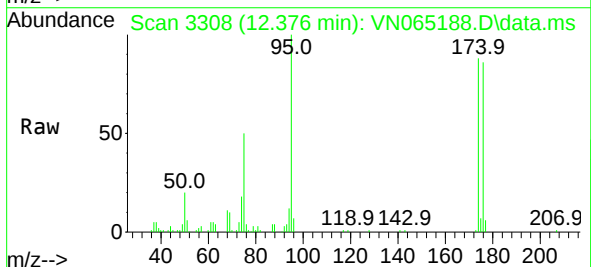
Instrument :
MSVOA_N
ClientSampled :

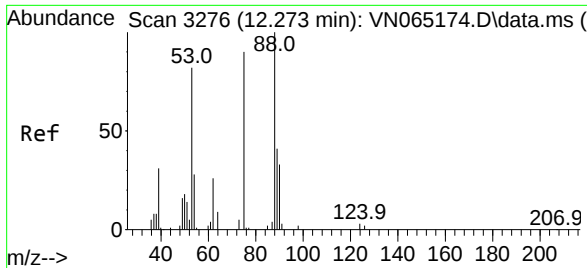
Tgt Ion: 98 Resp: 196043
Ion Ratio Lower Upper
98 100
100 65.0 49.4 74.2



#72
1,2,3-Trichloropropane
Concen: 13.04 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065188.D
Acq: 21 Dec 2020 18:17

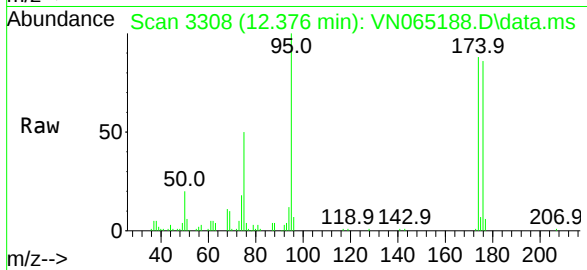
Tgt Ion: 75 Resp: 29793
Ion Ratio Lower Upper
75 100
77 0.0 0.0 379.4





#77
t-1,4-Dichloro-2-butene
Concen: 33.20 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065188.D
Acq: 21 Dec 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	75	Resp:	29793
Ion	Ratio	Lower	Upper
75	100		
53	0.0	50.3	150.9#
89	0.0	23.3	69.8#

