

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121520\
 Data File : VN065150.D
 Acq On : 15 Dec 2020 18:35
 Operator : JC/MD
 Sample : L5051-01 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 07:18:34 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 15 15:18:54 2020
 Response via : Initial Calibration

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

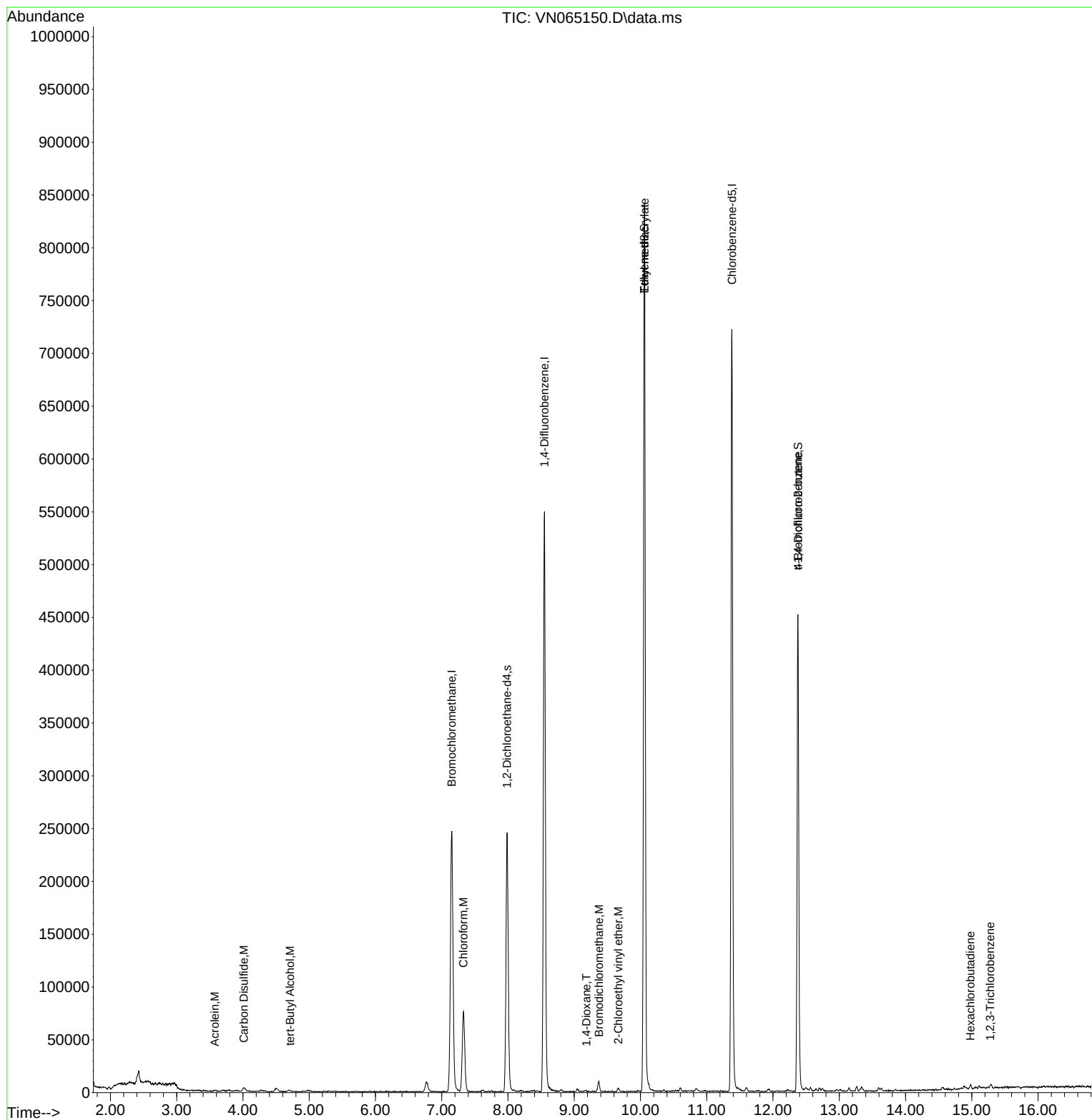
Internal Standards						
1) Bromochloromethane	7.151	128	104197	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	503124	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.379	117	453990	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.987	65	211697	29.68	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.93%
60) 4-Bromofluorobenzene	12.376	95	168315	23.60	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	78.67%
63) Toluene-d8	10.058	98	616575	28.13	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	93.77%
Target Compounds						
					Qvalue	
13) Acrolein	3.573	56	415	0.58	ug/l	85
16) Carbon Disulfide	4.013	76	4717	0.29	ug/l #	86
23) tert-Butyl Alcohol	4.711	59	268	0.33	ug/l #	100
25) Chloroform	7.328	83	81645	7.22	ug/l	98
41) Bromodichloromethane	9.373	83	6833	0.75	ug/l #	91
45) 1,4-Dioxane	9.183	88	67	0.70	ug/l #	1
51) Ethyl methacrylate	10.061	69	2031	0.26	ug/l #	57
55) 2-Chloroethyl vinyl ether	9.666	63	1946	0.49	ug/l #	89
77) t-1,4-Dichloro-2-butene	12.376	75	81324	32.35	ug/l #	10
90) Hexachlorobutadiene	14.981	225	896	0.26	ug/l	54
92) 1,2,3-Trichlorobenzene	15.280	180	1226	0.23	ug/l	61

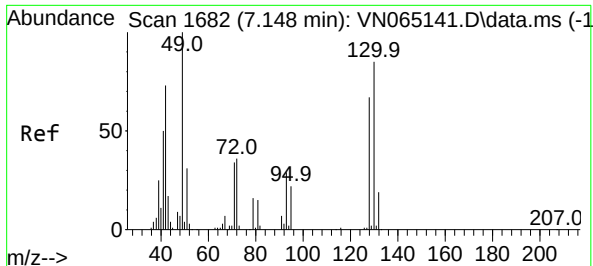
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN065150.D
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 16 07:18:34 2020
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Dec 15 15:18:54 2020
Response via : Initial Calibration

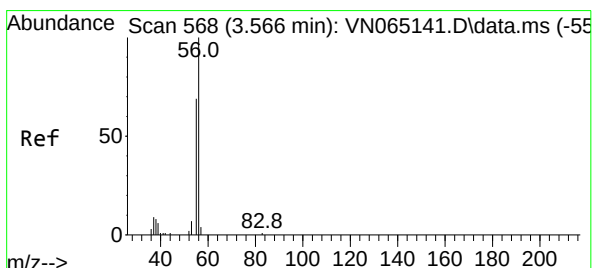
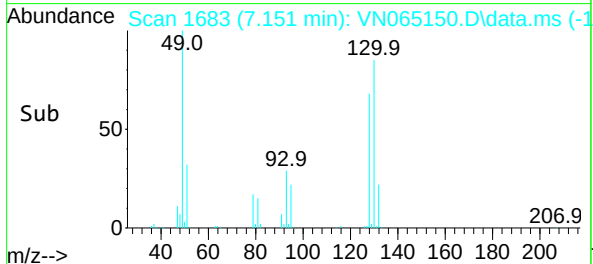
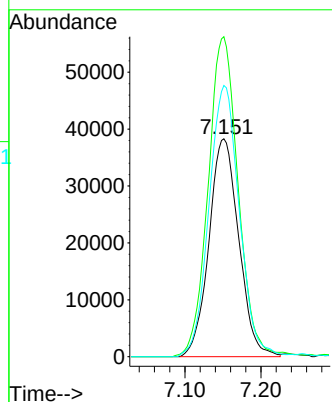
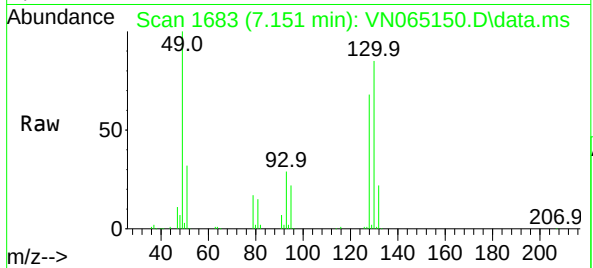




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.151 min Scan# 1683
Delta R.T. 0.003 min
Lab File: VN065150.D
Acq: 15 Dec 2020 18:35

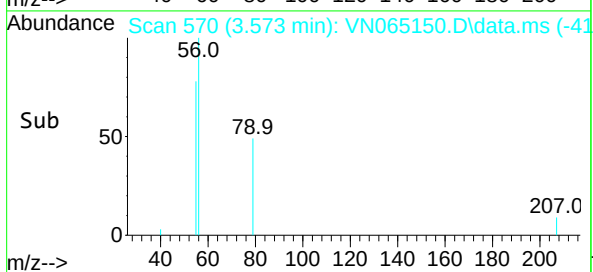
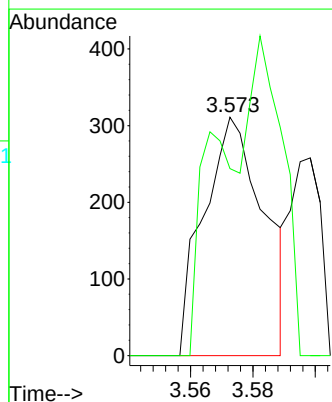
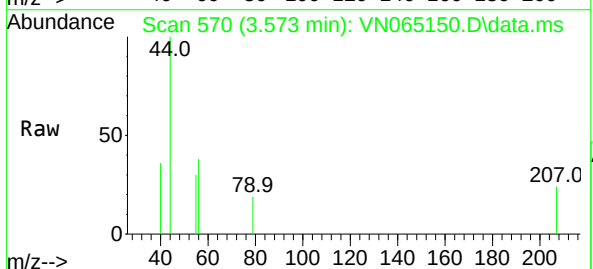
Instrument :
MSVOA_N
ClientSampled :

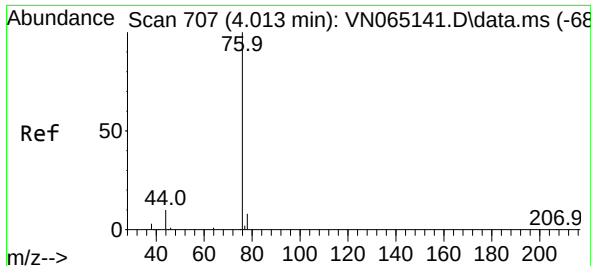
Tgt Ion:128 Resp: 104197
Ion Ratio Lower Upper
128 100
49 147.2 0.0 475.5
130 126.8 0.0 315.3



#13
Acrolein
Concen: 0.58 ug/l
RT: 3.573 min Scan# 570
Delta R.T. 0.006 min
Lab File: VN065150.D
Acq: 15 Dec 2020 18:35

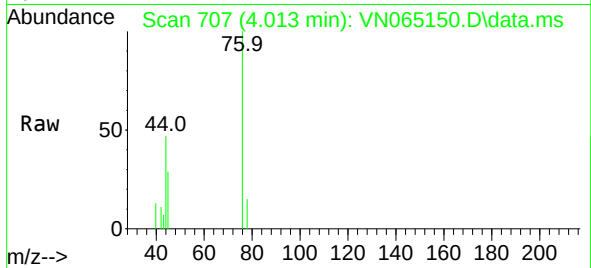
Tgt Ion: 56 Resp: 415
Ion Ratio Lower Upper
56 100
55 60.5 58.2 87.2



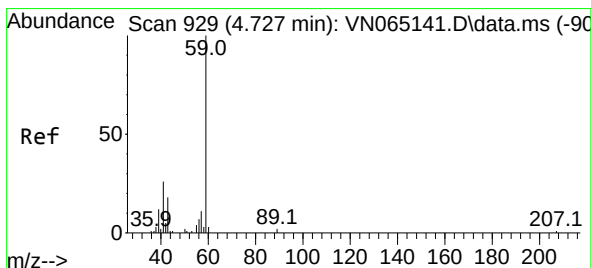
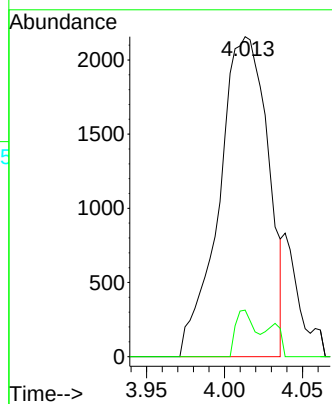
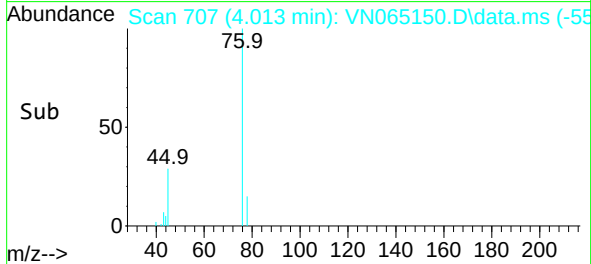


#16
Carbon Disulfide
Concen: 0.29 ug/l
RT: 4.013 min Scan# 707
Delta R.T. -0.000 min
Lab File: VN065150.D
Acq: 15 Dec 2020 18:35

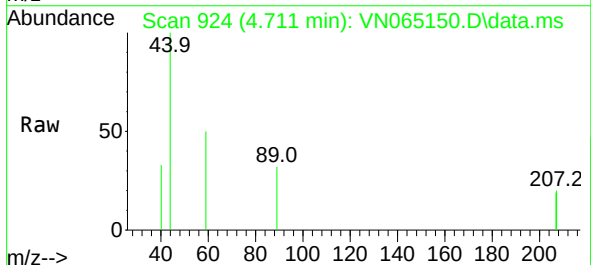
Instrument :
MSVOA_N
ClientSampled :



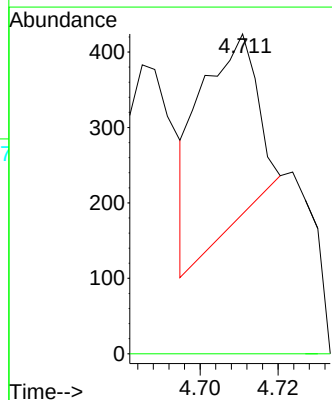
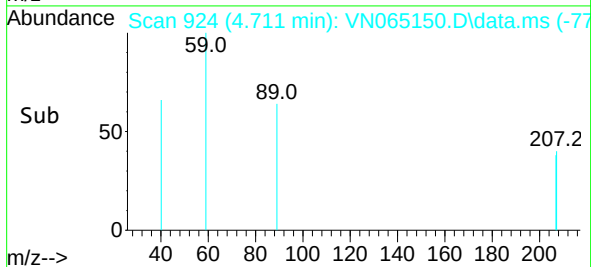
Tgt Ion: 76 Resp: 4717
Ion Ratio Lower Upper
76 100
78 14.6 7.6 11.4#

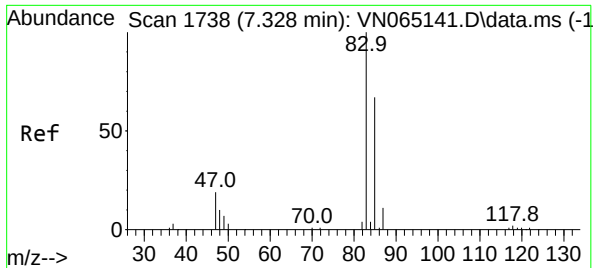


#23
tert-Butyl Alcohol
Concen: 0.33 ug/l
RT: 4.711 min Scan# 924
Delta R.T. -0.016 min
Lab File: VN065150.D
Acq: 15 Dec 2020 18:35



Tgt Ion: 59 Resp: 268
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

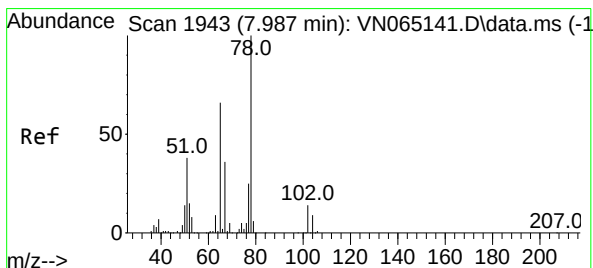
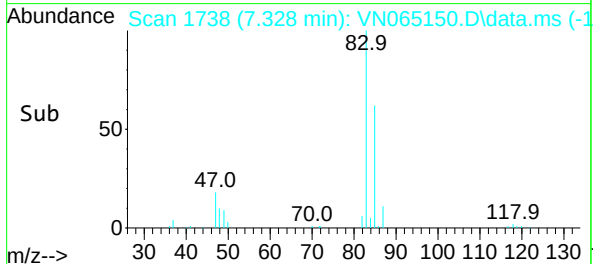
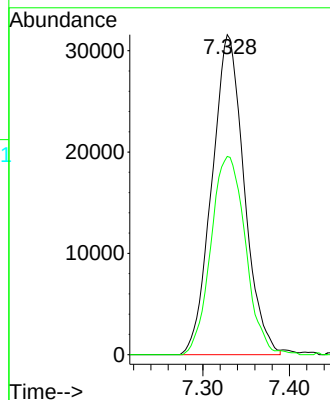
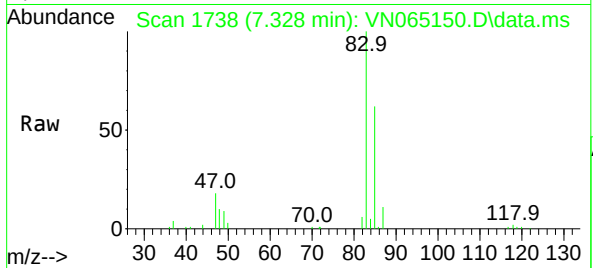




#25
Chloroform
Concen: 7.22 ug/l
RT: 7.328 min Scan# 1738
Delta R.T. -0.000 min
Lab File: VN065150.D
Acq: 15 Dec 2020 18:35

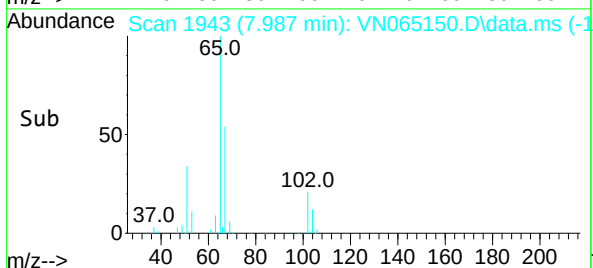
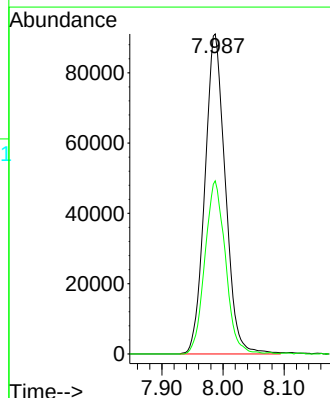
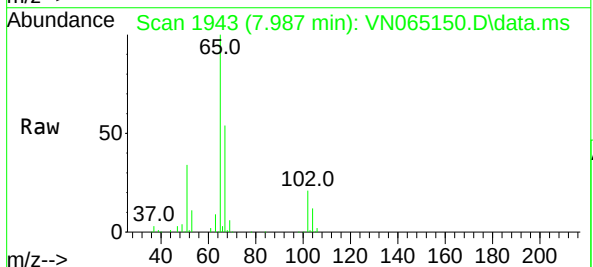
Instrument :
MSVOA_N
ClientSampled :

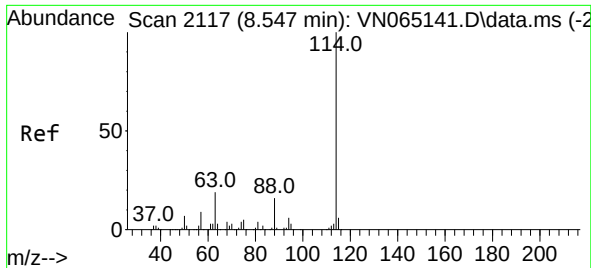
Tgt Ion: 83 Resp: 81645
Ion Ratio Lower Upper
83 100
85 61.9 50.6 75.8



#27
1,2-Dichloroethane-d4
Concen: 29.68 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. -0.000 min
Lab File: VN065150.D
Acq: 15 Dec 2020 18:35

Tgt Ion: 65 Resp: 211697
Ion Ratio Lower Upper
65 100
67 54.1 41.1 61.7

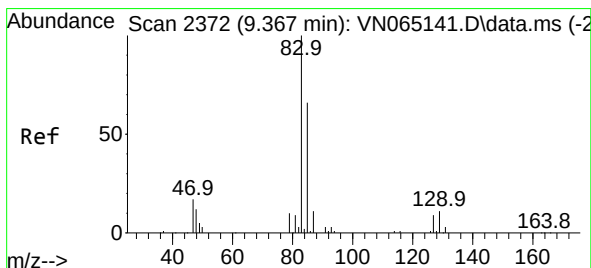
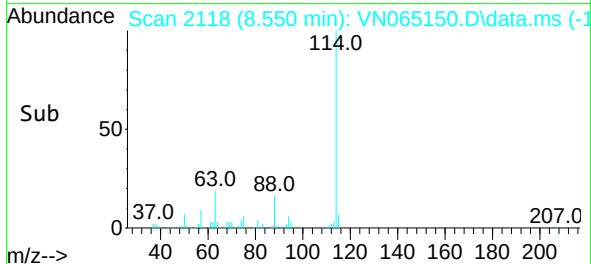
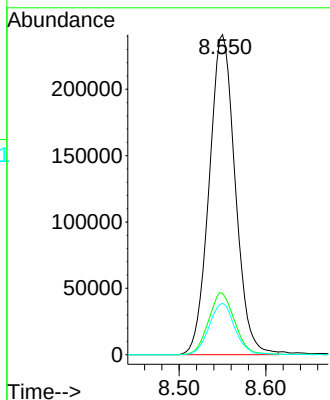
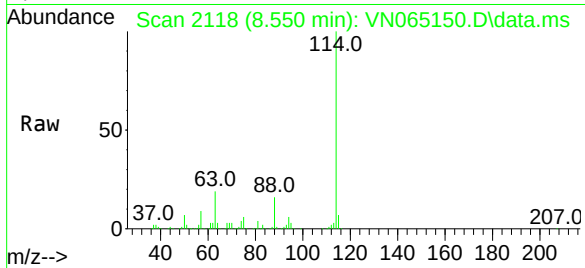




#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VN065150.D
Acq: 15 Dec 2020 18:35

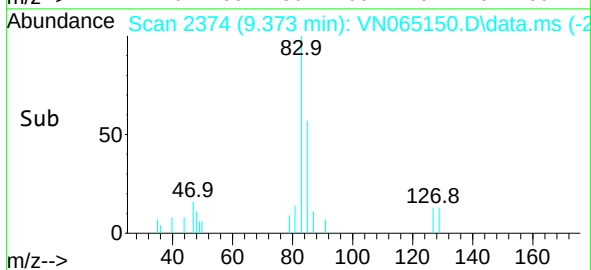
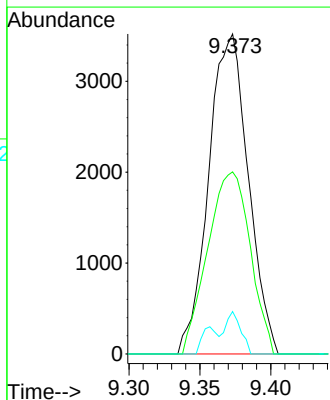
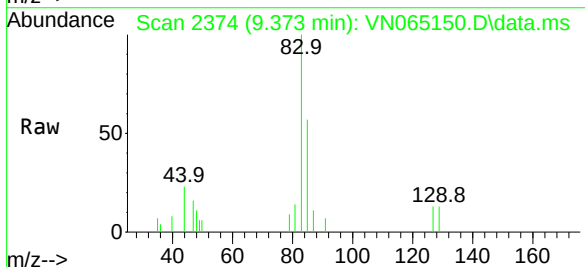
Instrument :
MSVOA_N
ClientSampled :

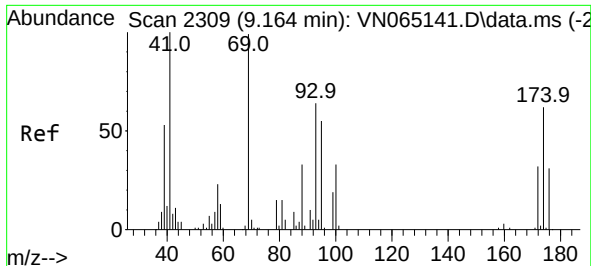
Tgt Ion:114 Resp: 503124
Ion Ratio Lower Upper
114 100
63 19.5 18.5 27.7
88 15.9 13.0 19.6



#41
Bromodichloromethane
Concen: 0.75 ug/l
RT: 9.373 min Scan# 2374
Delta R.T. 0.006 min
Lab File: VN065150.D
Acq: 15 Dec 2020 18:35

Tgt Ion: 83 Resp: 6833
Ion Ratio Lower Upper
83 100
85 56.9 51.0 76.4
127 13.3 6.2 9.4#

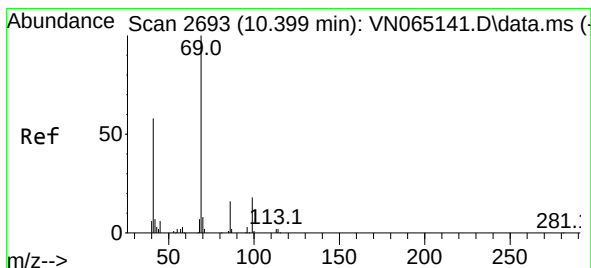
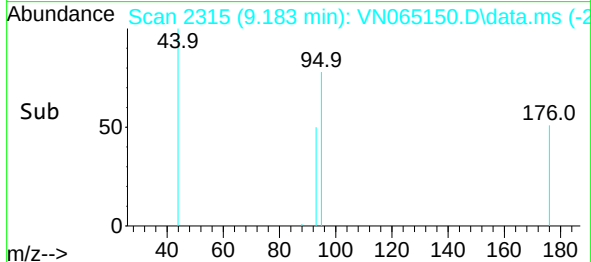
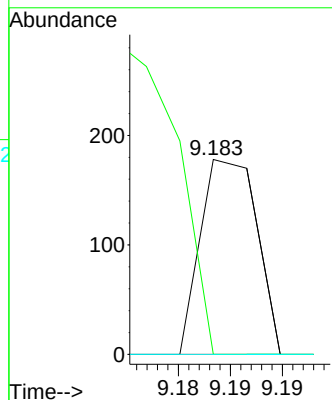
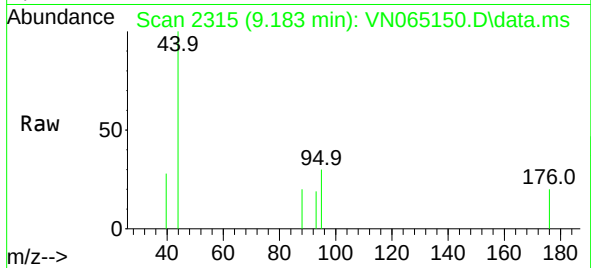




#45
1,4-Dioxane
Concen: 0.70 ug/l
RT: 9.183 min Scan# 2315
Delta R.T. 0.019 min
Lab File: VN065150.D
Acq: 15 Dec 2020 18:35

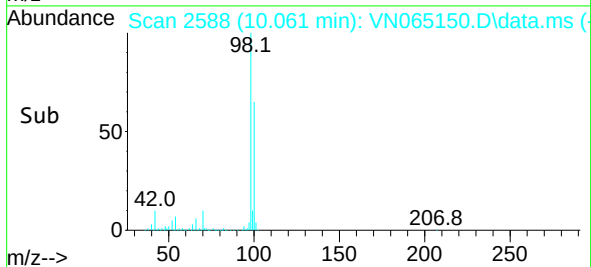
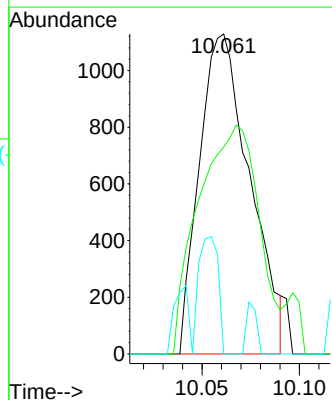
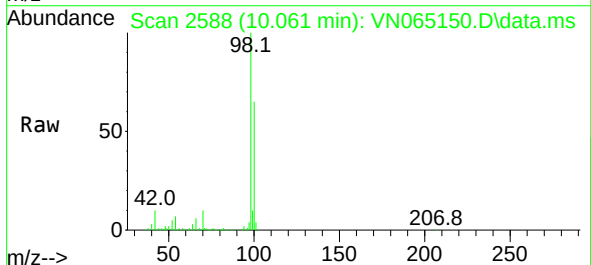
Instrument :
MSVOA_N
ClientSampled :

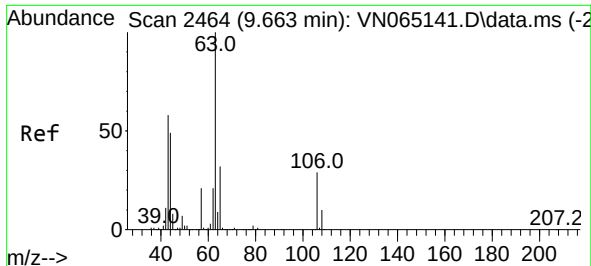
Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 340.3 30.6 46.0#
58 0.0 57.9 86.9#



#51
Ethyl methacrylate
Concen: 0.26 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. -0.338 min
Lab File: VN065150.D
Acq: 15 Dec 2020 18:35

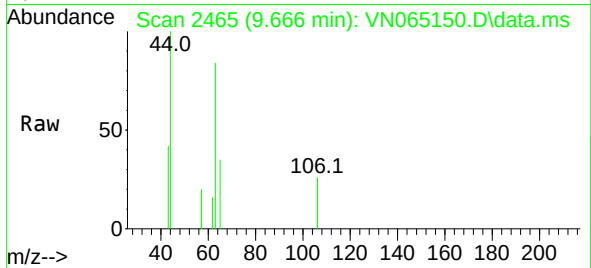
Tgt Ion: 69 Resp: 2031
Ion Ratio Lower Upper
69 100
41 50.9 35.4 106.1
39 0.0 24.1 72.2#



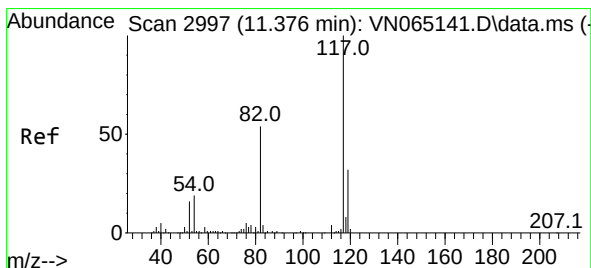
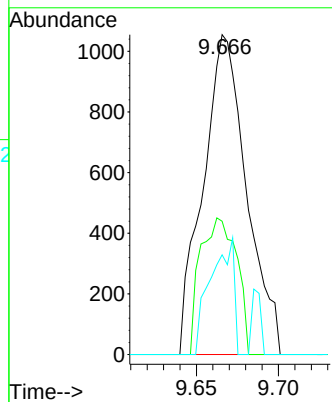
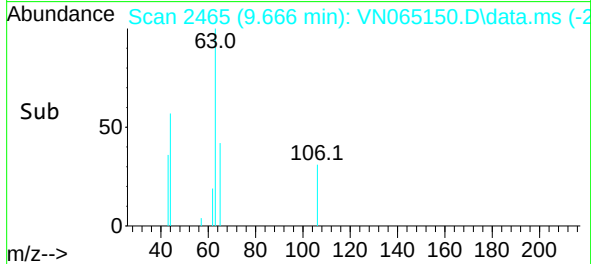


#55
2-Chloroethyl vinyl ether
Concen: 0.49 ug/l
RT: 9.666 min Scan# 2465
Delta R.T. 0.003 min
Lab File: VN065150.D
Acq: 15 Dec 2020 18:35

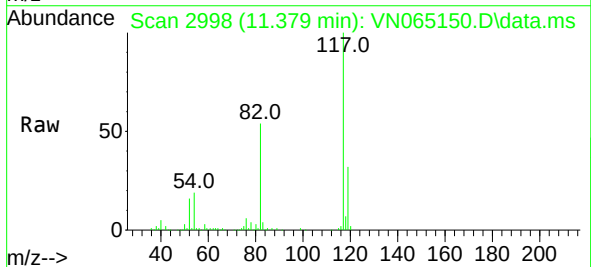
Instrument :
MSVOA_N
ClientSampleId :



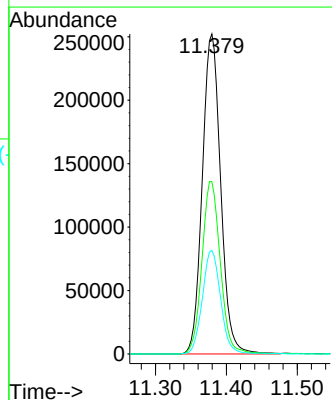
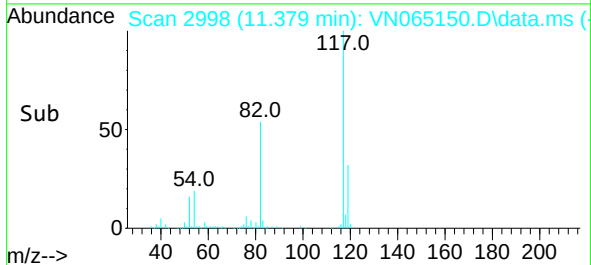
Tgt Ion: 63 Resp: 1946
Ion Ratio Lower Upper
63 100
65 35.5 25.7 38.5
106 15.7 19.9 29.9#

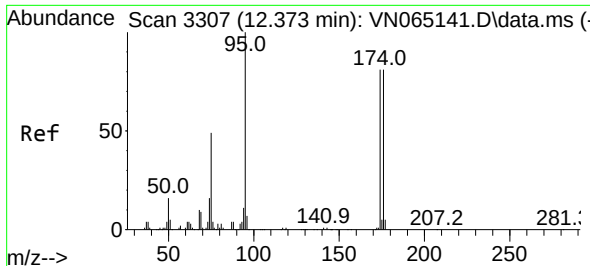


#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. 0.003 min
Lab File: VN065150.D
Acq: 15 Dec 2020 18:35



Tgt Ion: 117 Resp: 453990
Ion Ratio Lower Upper
117 100
82 53.8 47.8 71.8
119 32.0 25.7 38.5

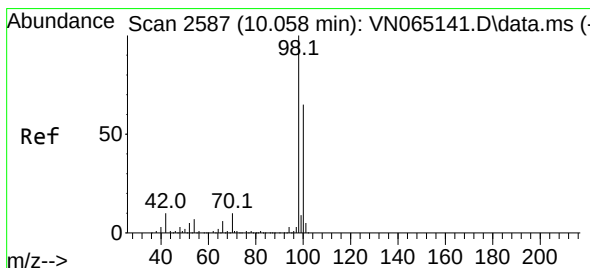
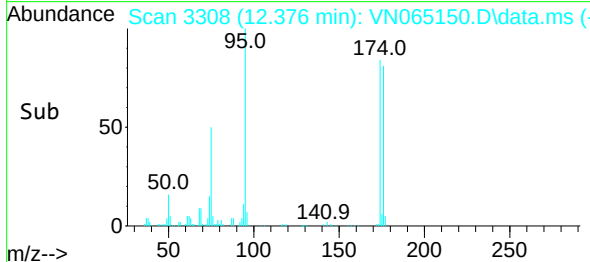
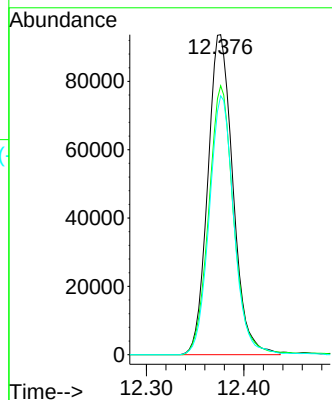
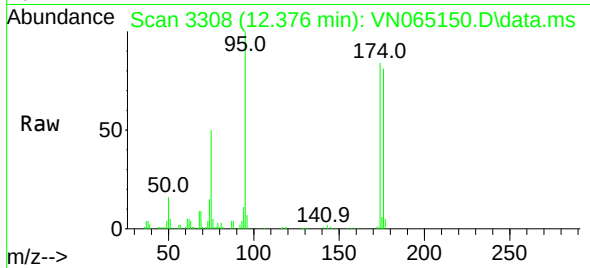




#60
4-Bromofluorobenzene
Concen: 23.60 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.003 min
Lab File: VN065150.D
Acq: 15 Dec 2020 18:35

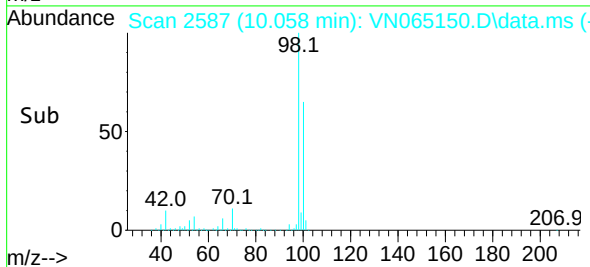
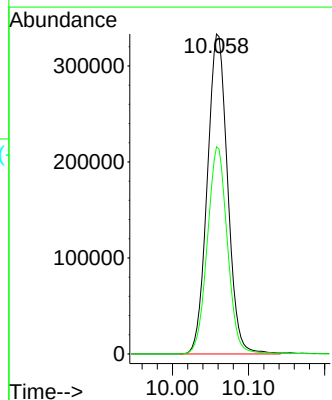
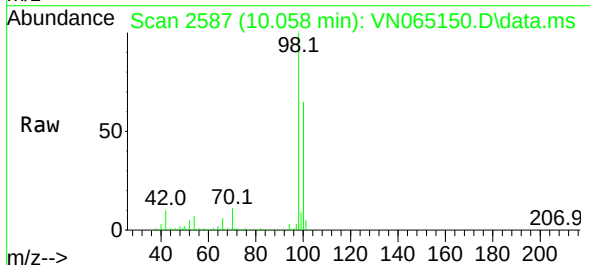
Instrument :
MSVOA_N
ClientSampleId :

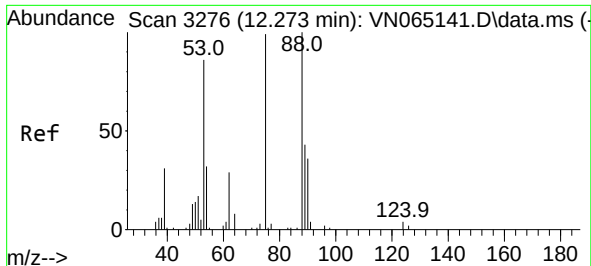
Tgt Ion: 95 Resp: 168315
Ion Ratio Lower Upper
95 100
174 83.1 56.4 84.6
176 79.1 53.3 79.9



#63
Toluene-d8
Concen: 28.13 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065150.D
Acq: 15 Dec 2020 18:35

Tgt Ion: 98 Resp: 616575
Ion Ratio Lower Upper
98 100
100 63.8 49.4 74.2

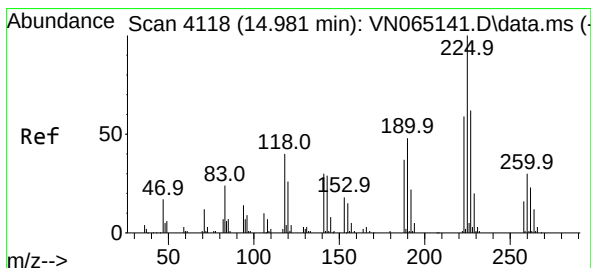
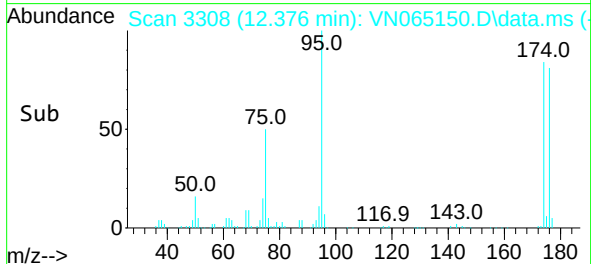
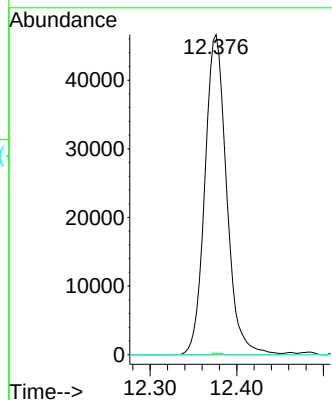
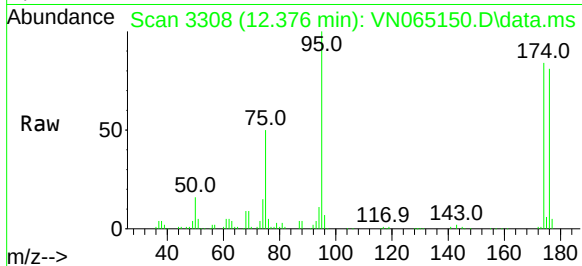




#77
t-1,4-Dichloro-2-butene
Concen: 32.35 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065150.D
Acq: 15 Dec 2020 18:35

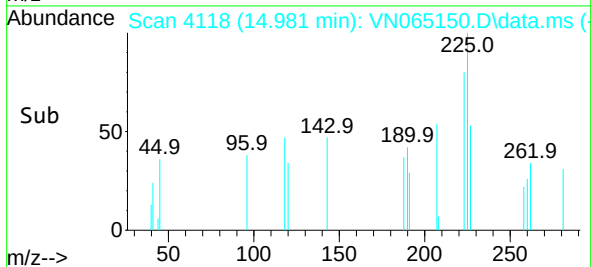
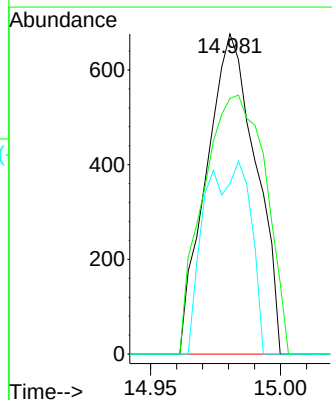
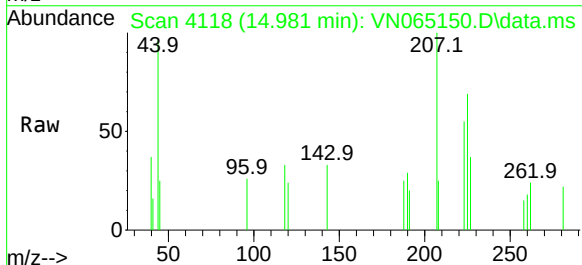
Instrument :
MSVOA_N
ClientSampleId :

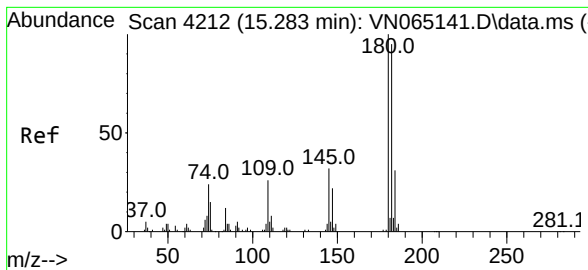
Tgt Ion: 75 Resp: 81324
Ion Ratio Lower Upper
75 100
53 0.5 50.3 150.9#
89 0.0 23.3 69.8#



#90
Hexachlorobutadiene
Concen: 0.26 ug/l
RT: 14.981 min Scan# 4118
Delta R.T. -0.000 min
Lab File: VN065150.D
Acq: 15 Dec 2020 18:35

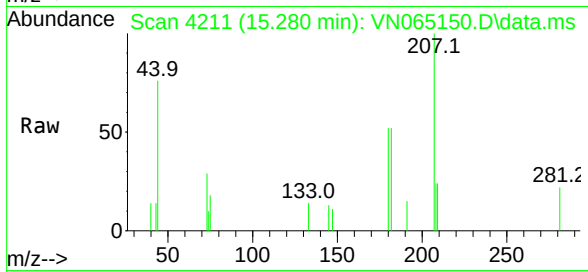
Tgt Ion: 225 Resp: 896
Ion Ratio Lower Upper
225 100
223 101.3 0.0 125.4
227 29.1 0.0 122.0





#92
 1,2,3-Trichlorobenzene
 Concen: 0.23 ug/l
 RT: 15.280 min Scan# 4211
 Delta R.T. -0.003 min
 Lab File: VN065150.D
 Acq: 15 Dec 2020 18:35

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1226
Ion	Ratio	Lower	Upper
180	100		
182	132.4	0.0	186.0
145	14.6	0.0	69.6

