

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021221\
 Data File : VN065842.D
 Acq On : 12 Feb 2021 16:43
 Operator : JC/MD
 Sample : M1386-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 13 01:01:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 03 14:50:04 2021
 Response via : Initial Calibration

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

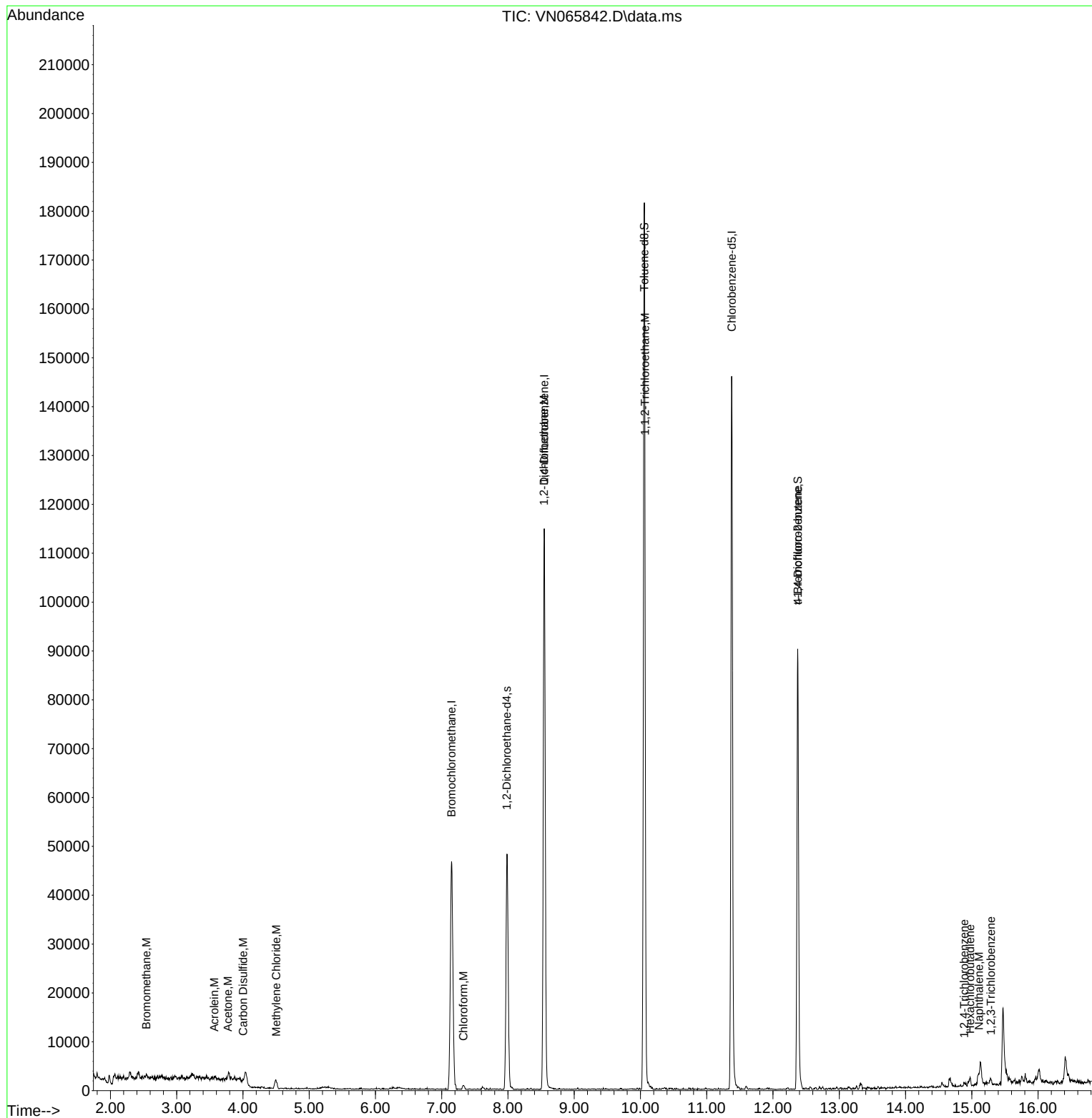
Internal Standards						
1) Bromochloromethane	7.148	128	19633	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.547	114	110911	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	93167	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.984	65	40557	29.78	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.27%
60) 4-Bromofluorobenzene	12.373	95	38967	25.71	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.70%
63) Toluene-d8	10.058	98	136648	30.51	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.70%
Target Compounds						
					Qvalue	
5) Bromomethane	2.541	94	222	0.22	ug/l #	3
13) Acrolein	3.566	56	169	0.91	ug/l #	22
15) Acetone	3.772	58	130	0.69	ug/l #	1
16) Carbon Disulfide	4.004	76	1359	0.38	ug/l #	73
18) Methylene Chloride	4.502	84	1423	1.05	ug/l #	75
25) Chloroform	7.325	83	598	0.27	ug/l #	27
36) 1,2-Dichloroethane	8.544	62	1956	1.18	ug/l #	74
50) 1,1,2-Trichloroethane	10.068	97	4591	3.68	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.373	75	17540	28.78	ug/l #	14
89) 1,2,4-Trichlorobenzene	14.884	180	424	0.38	ug/l #	59
90) Hexachlorobutadiene	14.978	225	224	0.44	ug/l #	19
91) Naphthalene	15.109	128	1846	0.52	ug/l #	70
92) 1,2,3-Trichlorobenzene	15.289	180	690	0.62	ug/l	42

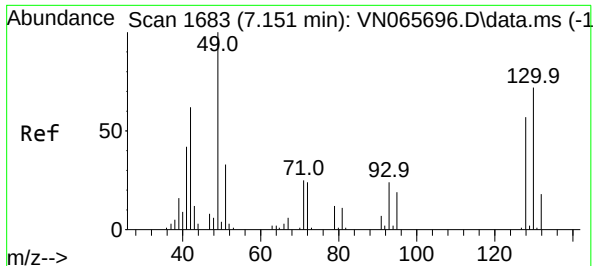
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021221\
Data File : VN065842.D
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 13 01:01:58 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 03 14:50:04 2021
Response via : Initial Calibration

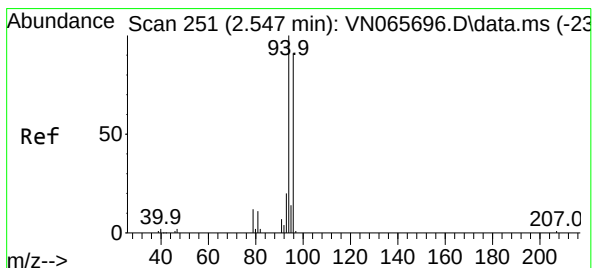
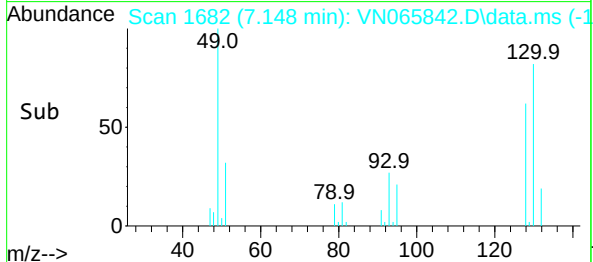
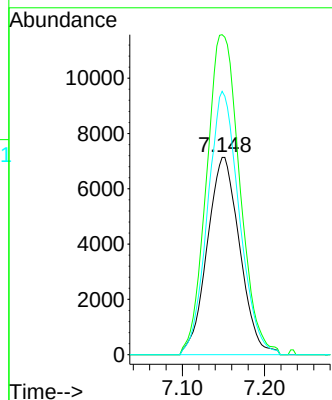
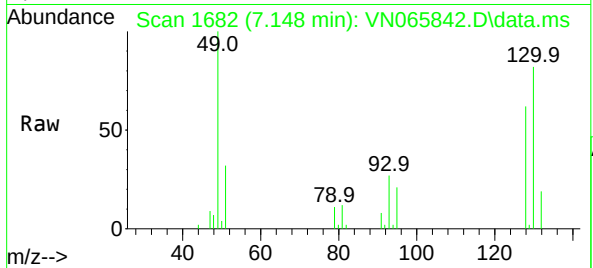




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.148 min Scan# 1682
Delta R.T. -0.003 min
Lab File: VN065842.D
Acq: 12 Feb 2021 16:43

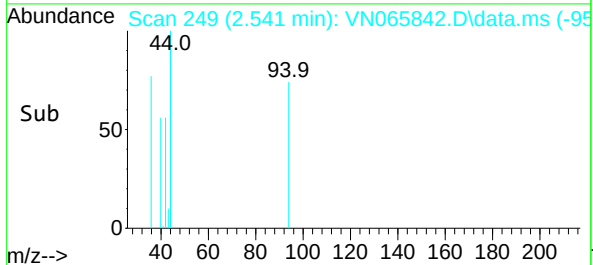
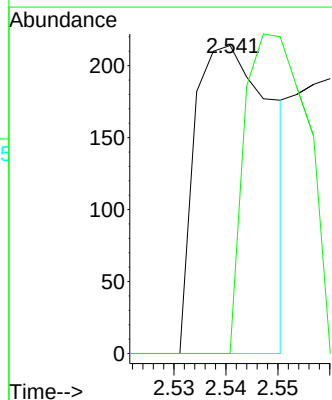
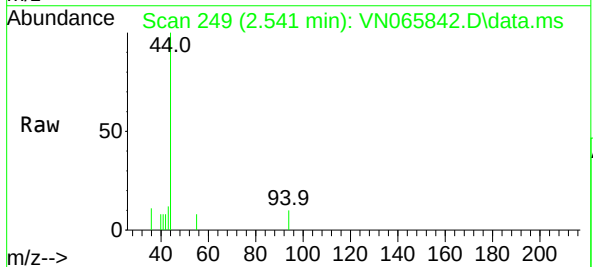
Instrument :
MSVOA_N
ClientSampled :

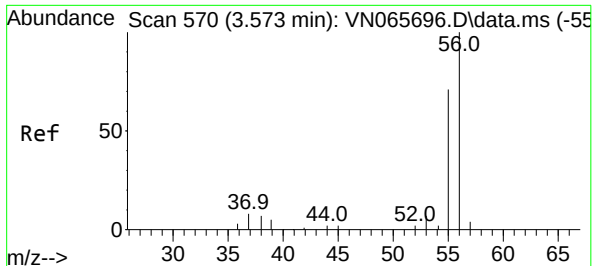
Tgt Ion:128 Resp: 19633
Ion Ratio Lower Upper
128 100
49 166.2 0.0 355.0
130 130.4 0.0 325.5



#5
Bromomethane
Concen: 0.22 ug/l
RT: 2.541 min Scan# 249
Delta R.T. -0.006 min
Lab File: VN065842.D
Acq: 12 Feb 2021 16:43

Tgt Ion: 94 Resp: 222
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

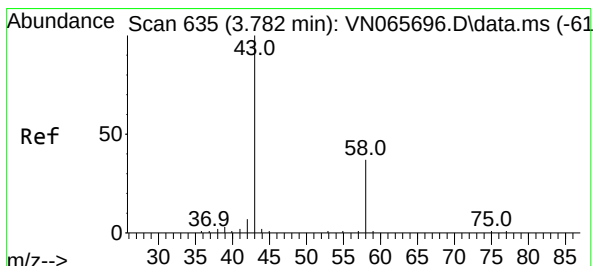
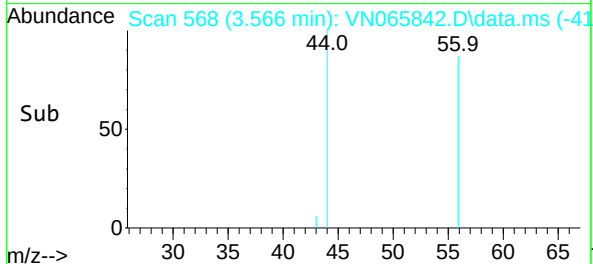
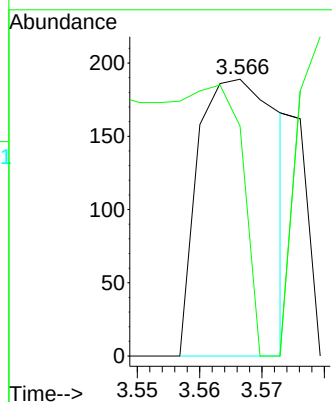
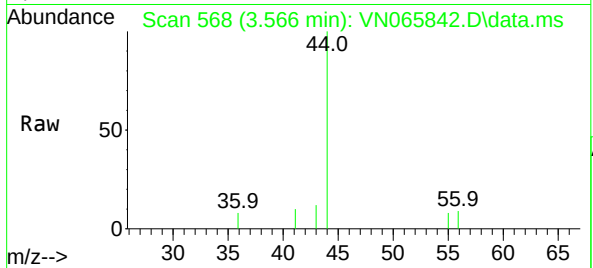




#13
Acrolein
Concen: 0.91 ug/l
RT: 3.566 min Scan# 568
Delta R.T. -0.006 min
Lab File: VN065842.D
Acq: 12 Feb 2021 16:43

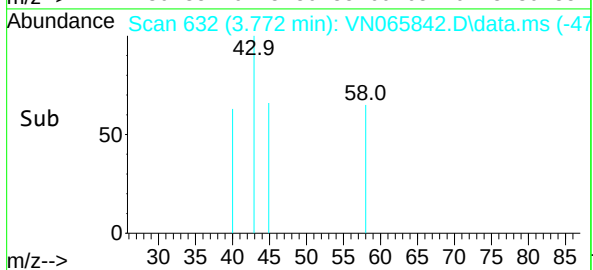
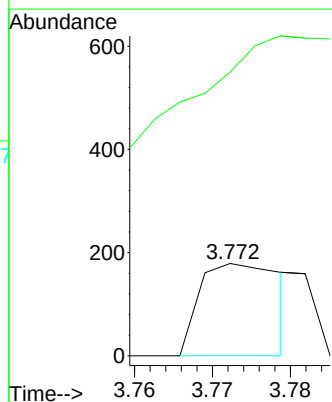
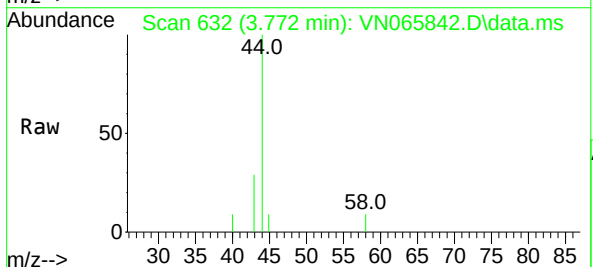
Instrument :
MSVOA_N
ClientSampled :

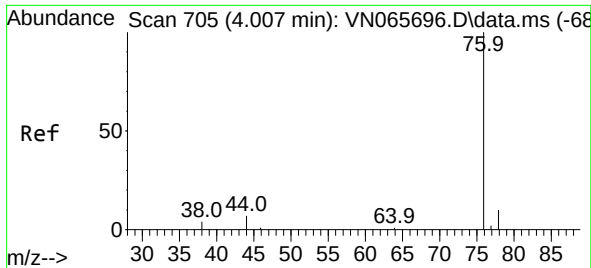
Tgt Ion: 56 Resp: 169
Ion Ratio Lower Upper
56 100
55 137.3 57.7 86.5#



#15
Acetone
Concen: 0.69 ug/l
RT: 3.772 min Scan# 632
Delta R.T. -0.009 min
Lab File: VN065842.D
Acq: 12 Feb 2021 16:43

Tgt Ion: 58 Resp: 130
Ion Ratio Lower Upper
58 100
43 32.4 203.4 305.0#

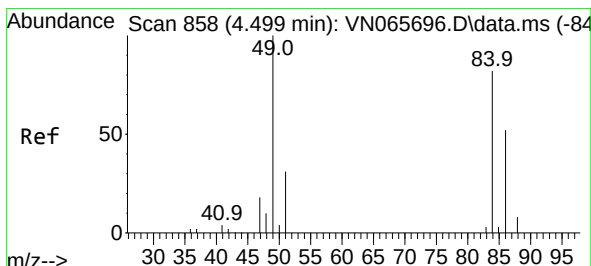
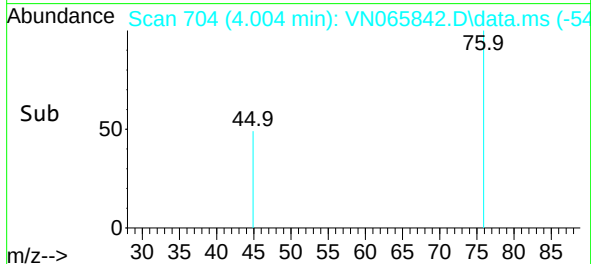
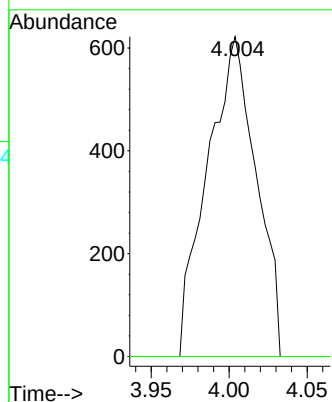
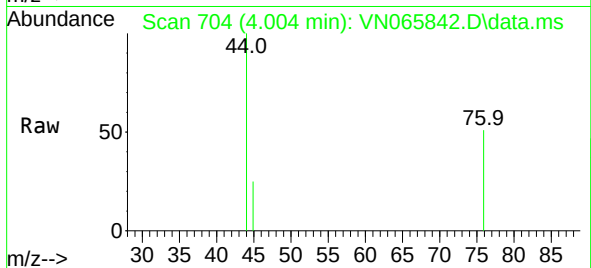




#16
Carbon Disulfide
Concen: 0.38 ug/l
RT: 4.004 min Scan# 704
Delta R.T. -0.003 min
Lab File: VN065842.D
Acq: 12 Feb 2021 16:43

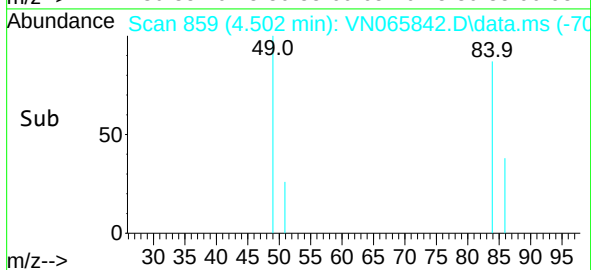
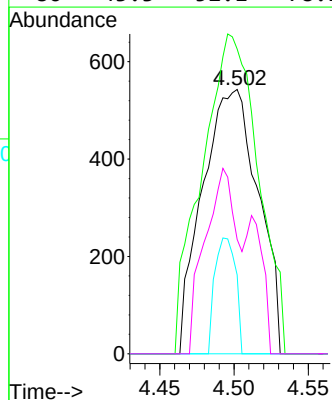
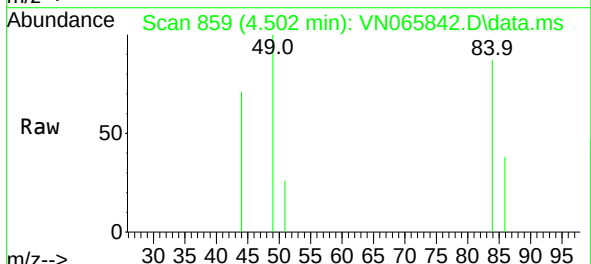
Instrument :
MSVOA_N
ClientSampled :

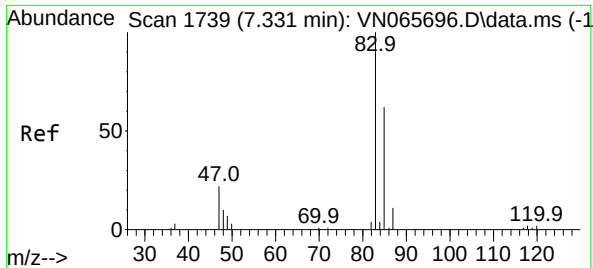
Tgt Ion: 76 Resp: 1359
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#



#18
Methylene Chloride
Concen: 1.05 ug/l
RT: 4.502 min Scan# 859
Delta R.T. 0.004 min
Lab File: VN065842.D
Acq: 12 Feb 2021 16:43

Tgt Ion: 84 Resp: 1423
Ion Ratio Lower Upper
84 100
49 84.3 91.3 136.9#
51 29.8 28.8 43.2
86 43.3 52.1 78.1#



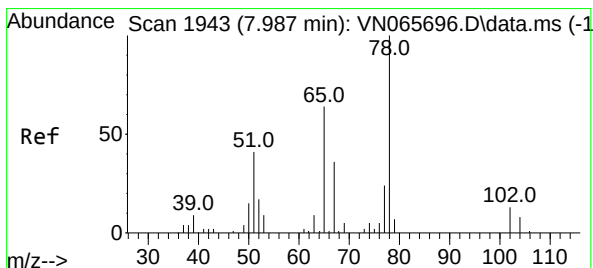
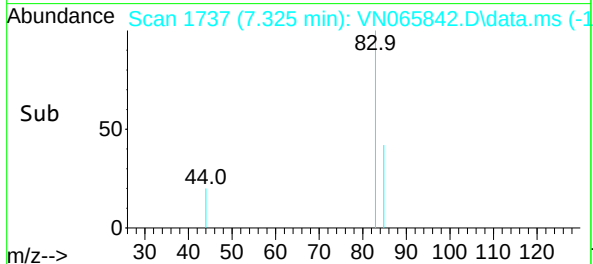
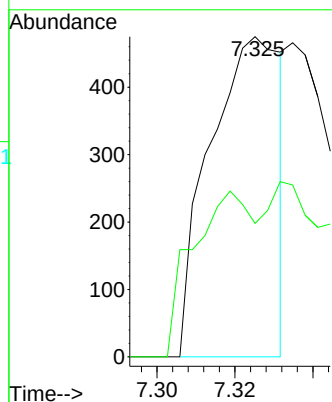
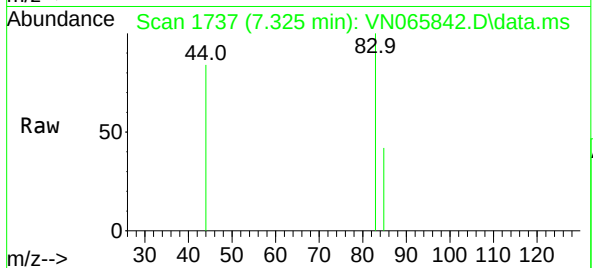


#25

Chloroform
Concen: 0.27 ug/l
RT: 7.325 min Scan# 1737
Delta R.T. -0.006 min
Lab File: VN065842.D
Acq: 12 Feb 2021 16:43

Instrument :
MSVOA_N
ClientSampled :

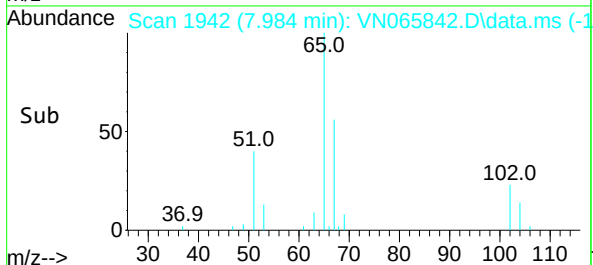
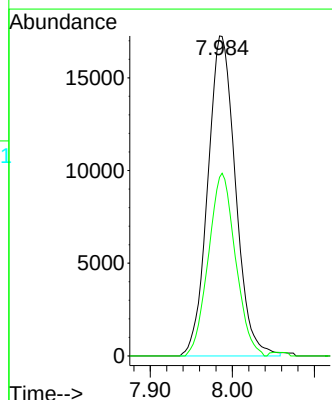
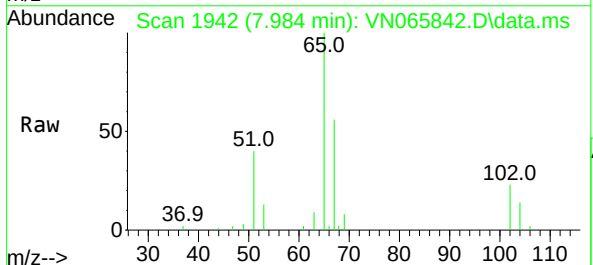
Tgt Ion: 83 Resp: 598
Ion Ratio Lower Upper
83 100
85 8.2 53.0 79.4#

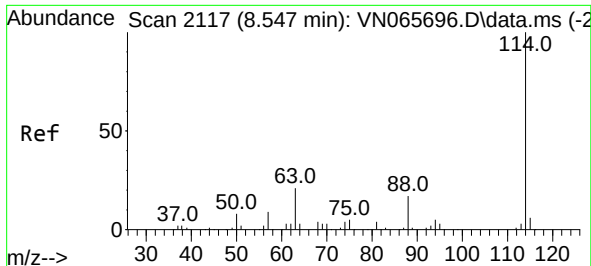


#27

1,2-Dichloroethane-d4
Concen: 29.78 ug/l
RT: 7.984 min Scan# 1942
Delta R.T. -0.003 min
Lab File: VN065842.D
Acq: 12 Feb 2021 16:43

Tgt Ion: 65 Resp: 40557
Ion Ratio Lower Upper
65 100
67 55.7 42.8 64.2

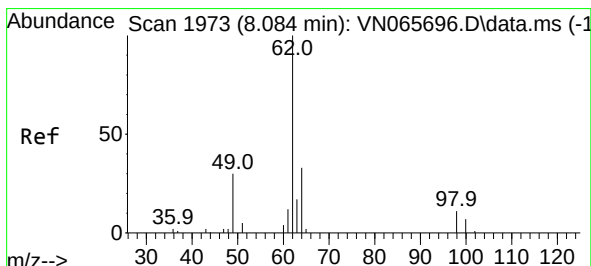
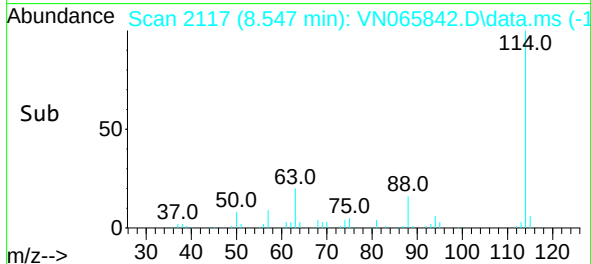
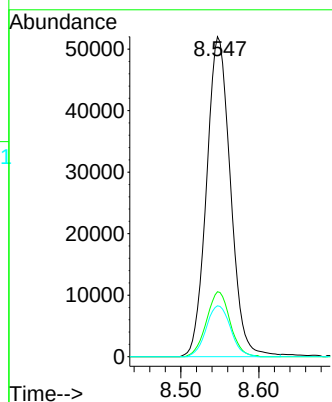
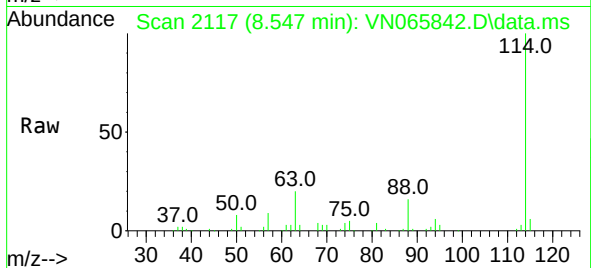




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.547 min Scan# 2117
 Delta R.T. 0.000 min
 Lab File: VN065842.D
 Acq: 12 Feb 2021 16:43

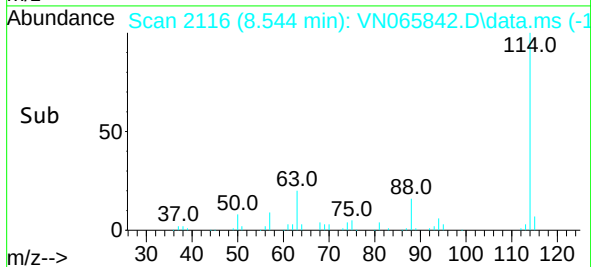
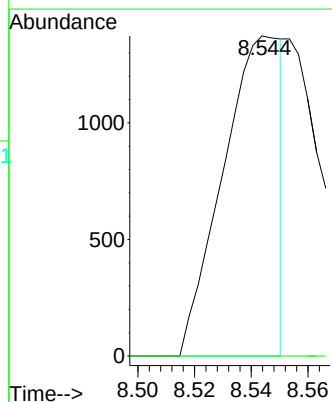
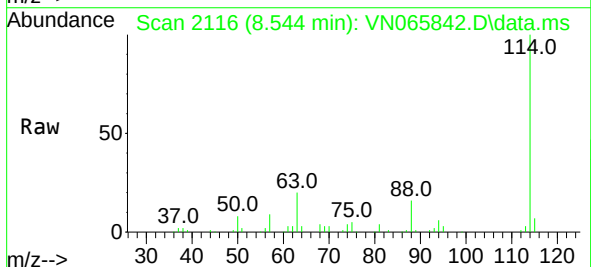
Instrument :
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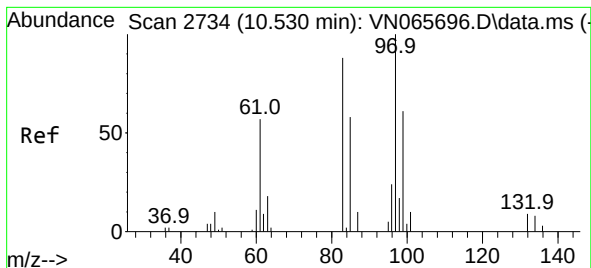
Tgt Ion:114 Resp: 110911
 Ion Ratio Lower Upper
 114 100
 63 20.1 14.7 22.1
 88 16.2 11.7 17.5



#36
 1,2-Dichloroethane
 Concen: 1.18 ug/l
 RT: 8.544 min Scan# 2116
 Delta R.T. 0.460 min
 Lab File: VN065842.D
 Acq: 12 Feb 2021 16:43

Tgt Ion: 62 Resp: 1956
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.4 11.2#

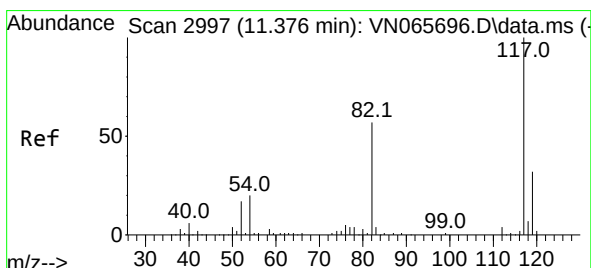
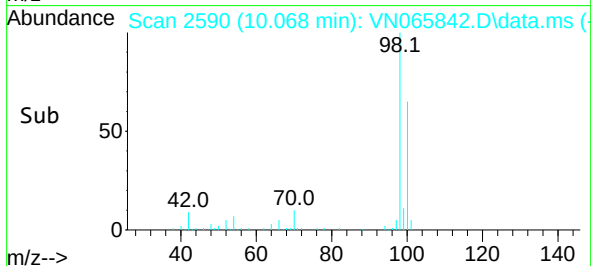
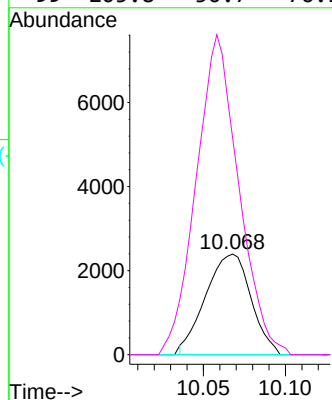
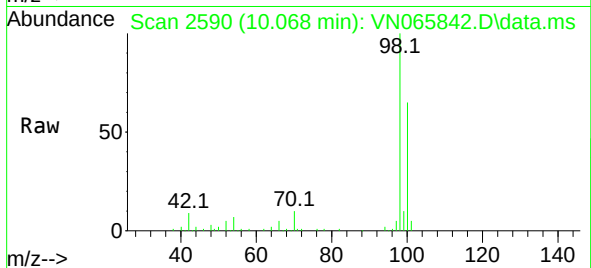




#50
1,1,2-Trichloroethane
Concen: 3.68 ug/l
RT: 10.068 min Scan# 2590
Delta R.T. -0.463 min
Lab File: VN065842.D
Acq: 12 Feb 2021 16:43

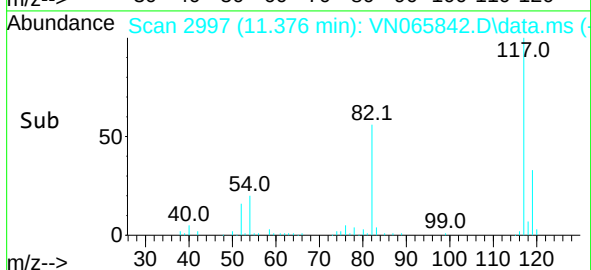
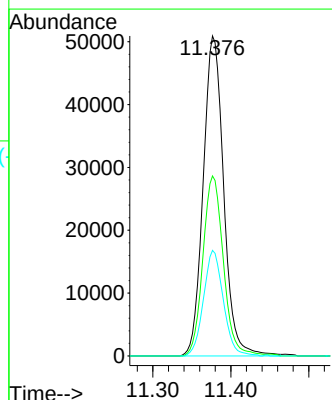
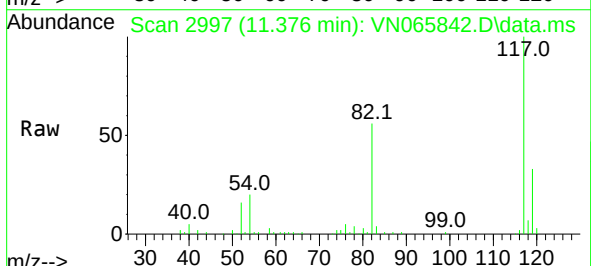
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MSVOA_N
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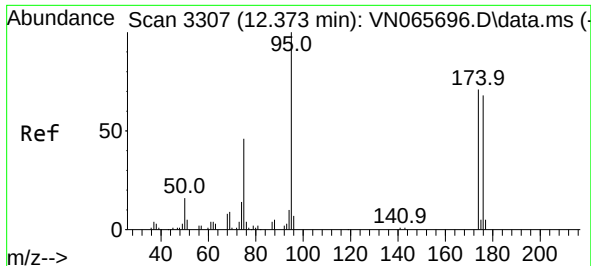
Tgt Ion: 97 Resp: 4591
Ion Ratio Lower Upper
97 100
83 0.0 68.4 102.6#
85 0.0 42.8 64.2#
99 205.8 50.7 76.1#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065842.D
Acq: 12 Feb 2021 16:43

Tgt Ion: 117 Resp: 93167
Ion Ratio Lower Upper
117 100
82 56.1 41.3 61.9
119 31.8 25.7 38.5

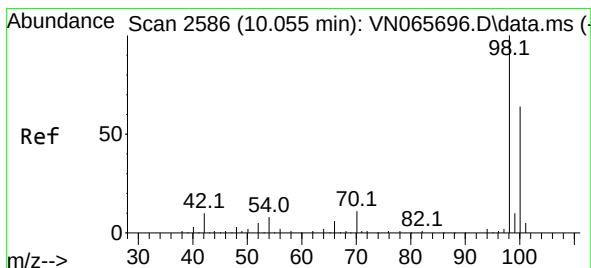
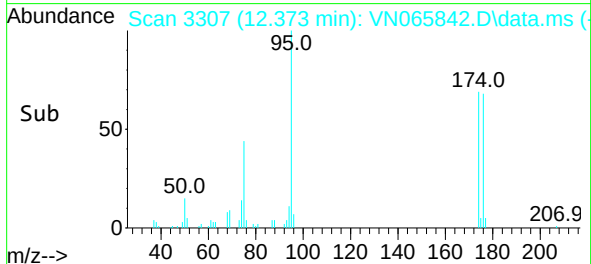
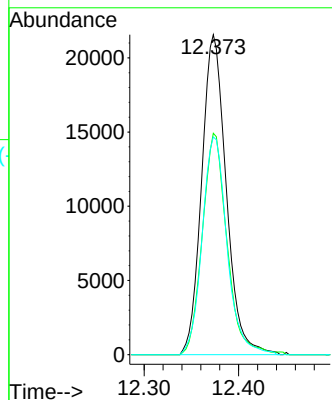
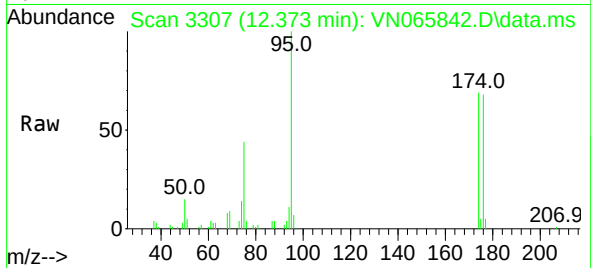




#60
4-Bromofluorobenzene
Concen: 25.71 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065842.D
Acq: 12 Feb 2021 16:43

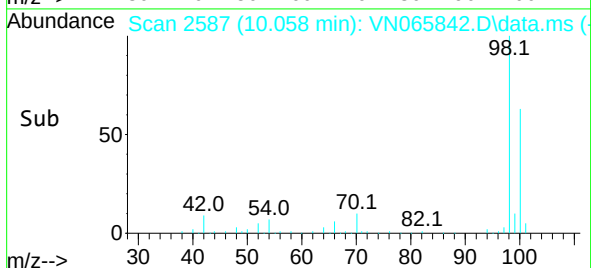
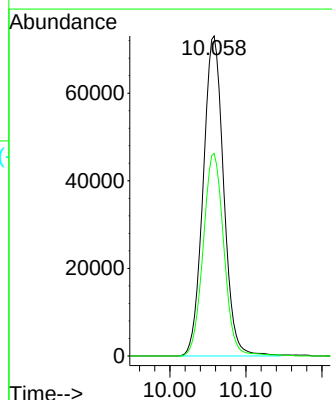
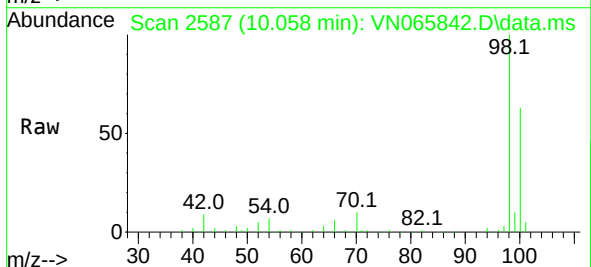
Instrument :
MSVOA_N
ClientSampled :

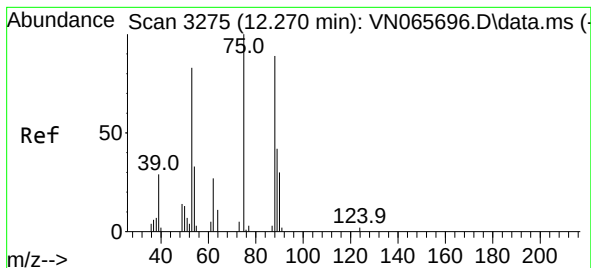
Tgt Ion: 95 Resp: 38967
Ion Ratio Lower Upper
95 100
174 69.3 77.0 115.6#
176 68.8 75.8 113.6#



#63
Toluene-d8
Concen: 30.51 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.004 min
Lab File: VN065842.D
Acq: 12 Feb 2021 16:43

Tgt Ion: 98 Resp: 136648
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

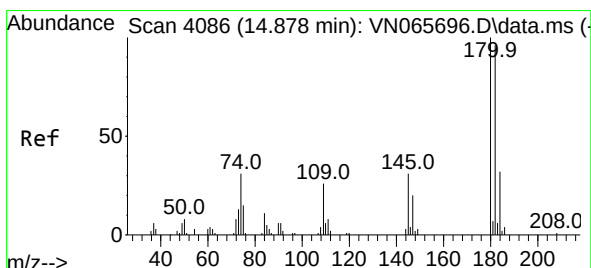
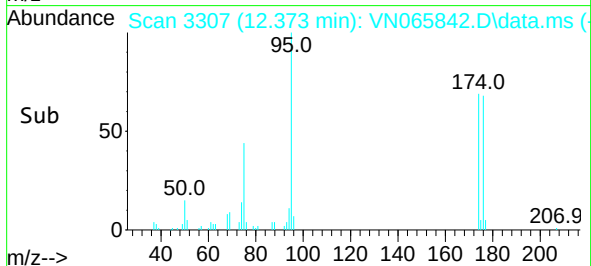
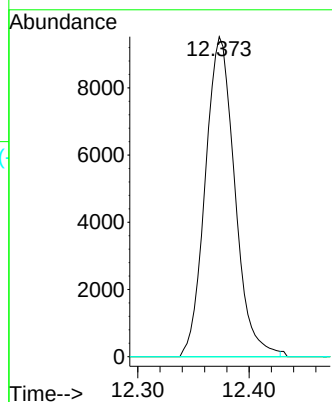
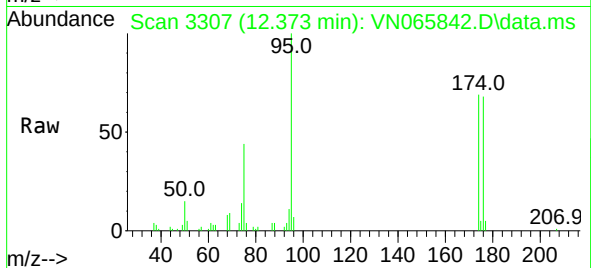




#77
t-1,4-Dichloro-2-butene
Concen: 28.78 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065842.D
Acq: 12 Feb 2021 16:43

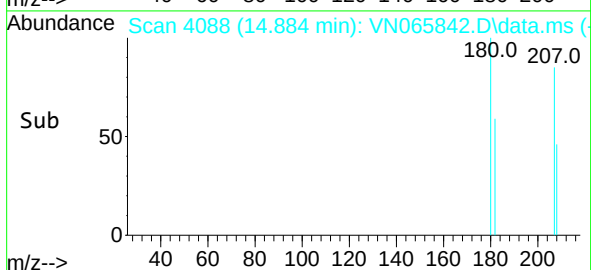
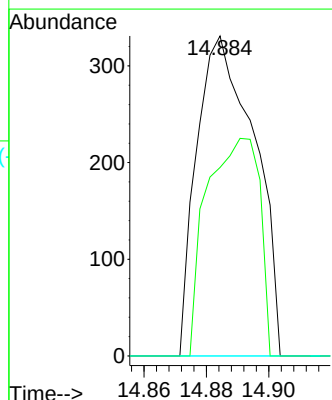
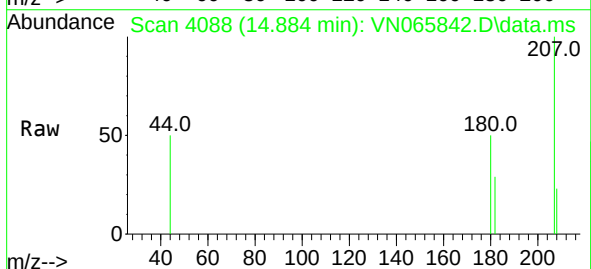
Instrument :
MSVOA_N
ClientSampled :

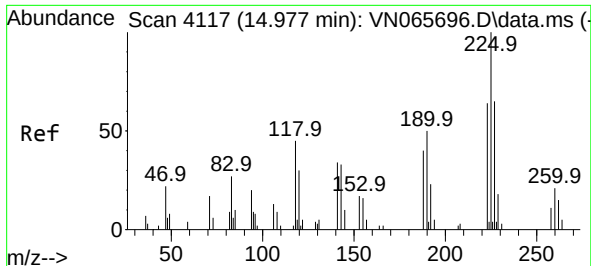
Tgt Ion: 75 Resp: 17540
Ion Ratio Lower Upper
75 100
53 0.0 44.9 134.5#
89 0.0 21.3 64.0#



#89
1,2,4-Trichlorobenzene
Concen: 0.38 ug/l
RT: 14.884 min Scan# 4088
Delta R.T. 0.007 min
Lab File: VN065842.D
Acq: 12 Feb 2021 16:43

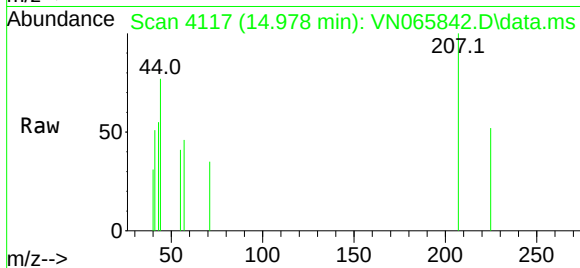
Tgt Ion:180 Resp: 424
Ion Ratio Lower Upper
180 100
182 62.3 78.5 117.7#
145 0.0 23.8 35.6#



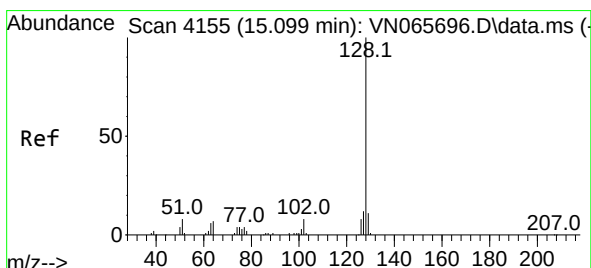
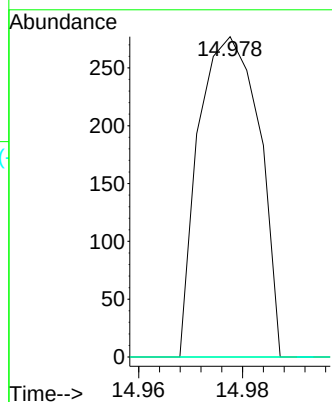
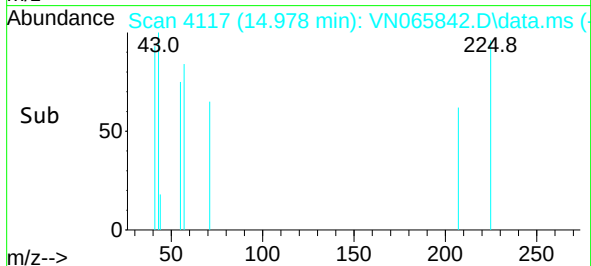


#90
Hexachlorobutadiene
Concen: 0.44 ug/l
RT: 14.978 min Scan# 4117
Delta R.T. 0.000 min
Lab File: VN065842.D
Acq: 12 Feb 2021 16:43

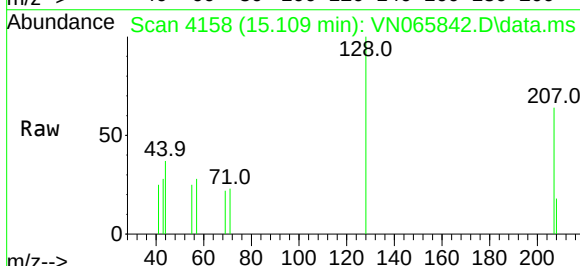
Instrument :
MSVOA_N
ClientSampled :



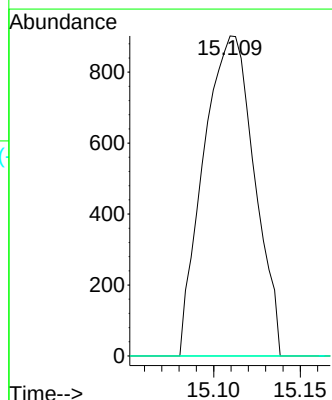
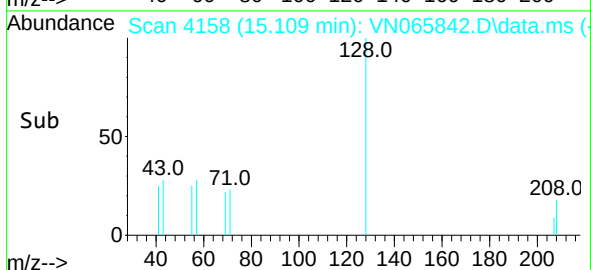
Tgt Ion:225 Resp: 224
Ion Ratio Lower Upper
225 100
223 0.0 0.0 122.0
227 0.0 0.0 126.4

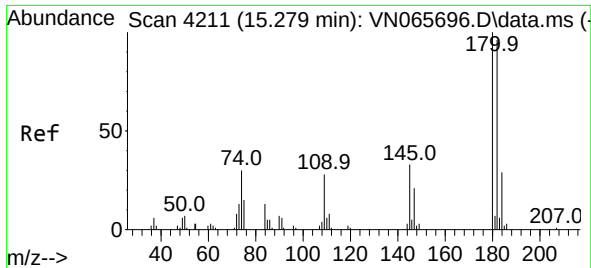


#91
Naphthalene
Concen: 0.52 ug/l
RT: 15.109 min Scan# 4158
Delta R.T. 0.010 min
Lab File: VN065842.D
Acq: 12 Feb 2021 16:43



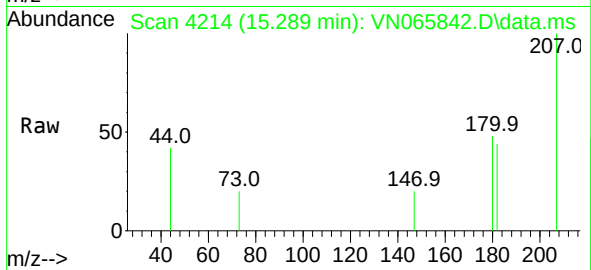
Tgt Ion:128 Resp: 1846
Ion Ratio Lower Upper
128 100
127 0.0 10.1 15.1#
129 0.0 8.6 12.8#





#92
1,2,3-Trichlorobenzene
Concen: 0.62 ug/l
RT: 15.289 min Scan# 4214
Delta R.T. 0.010 min
Lab File: VN065842.D
Acq: 12 Feb 2021 16:43

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	33.2	0.0	190.4
145	9.1	0.0	57.8

