

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060722\
 Data File : VN072682.D
 Acq On : 07 Jun 2022 12:52
 Operator : JC\MD
 Sample : N3157-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

Quant Time: Jun 08 09:51:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

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

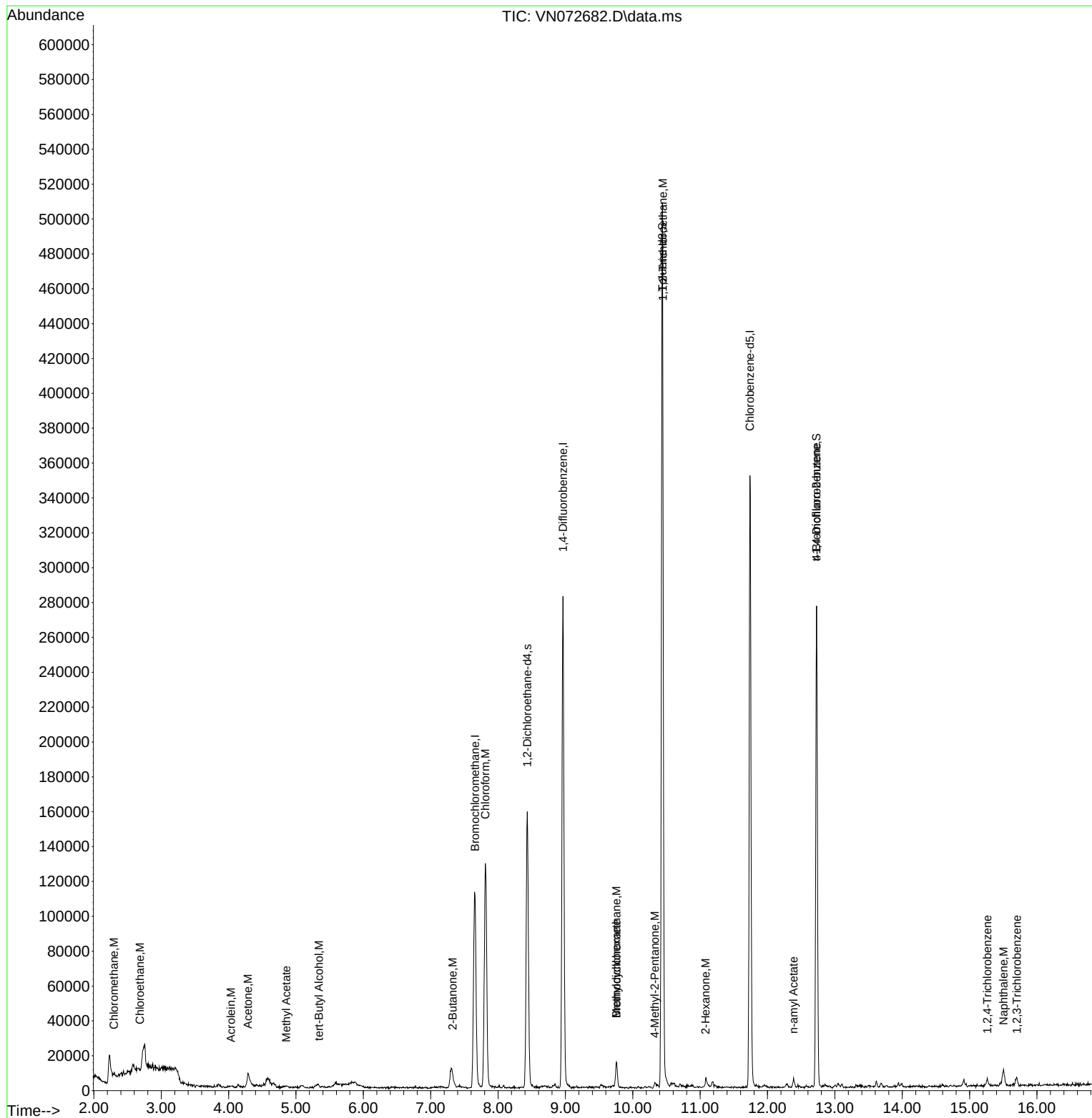
Internal Standards						
1) Bromochloromethane	7.657	128	37874	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	231916	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	190491	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	134000	31.023	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.400%
60) 4-Bromofluorobenzene	12.727	95	98931	25.251	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.167%
63) Toluene-d8	10.439	98	338777	32.104	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	107.000%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1019	0.330	ug/l #	83
6) Chloroethane	2.681	64	414	0.223	ug/l	96
12) Methyl Acetate	4.857	43	1279	0.248	ug/l #	49
13) Acrolein	4.034	56	409	0.905	ug/l #	76
15) Acetone	4.287	58	2860	5.019	ug/l	72
23) tert-Butyl Alcohol	5.340	59	593	0.606	ug/l #	100
25) Chloroform	7.810	83	123178	20.160	ug/l	99
30) 2-Butanone	7.328	43	1610	0.503	ug/l #	83
38) Methylcyclohexane	9.757	83	10129	1.919	ug/l #	21
41) Bromodichloromethane	9.757	83	10129	1.920	ug/l #	79
47) n-amyl Acetate	12.386	43	3247	0.417	ug/l	93
50) 1,1,2-Trichloroethane	10.445	97	10273	2.946	ug/l #	1
58) 4-Methyl-2-Pentanone	10.328	43	2146	0.376	ug/l #	82
59) 2-Hexanone	11.080	43	4523	1.044	ug/l #	80
77) t-1,4-Dichloro-2-butene	12.727	75	57191	31.857	ug/l #	8
89) 1,2,4-Trichlorobenzene	15.263	180	1640	0.641	ug/l #	88
91) Naphthalene	15.504	128	11208	1.098	ug/l #	93
92) 1,2,3-Trichlorobenzene	15.704	180	1524	0.585	ug/l	55

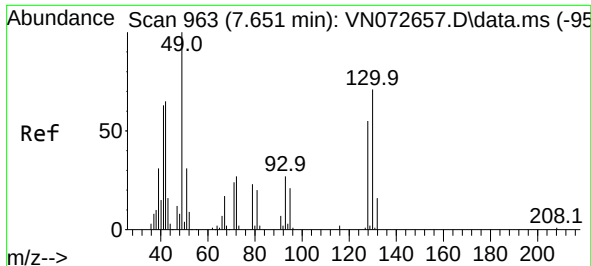
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 08 09:51:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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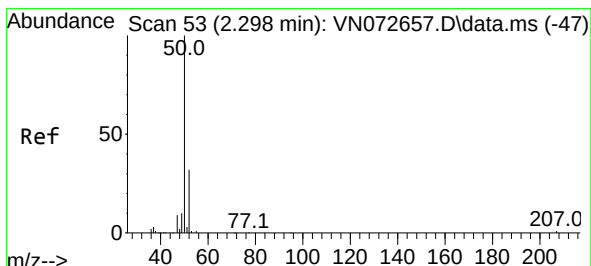
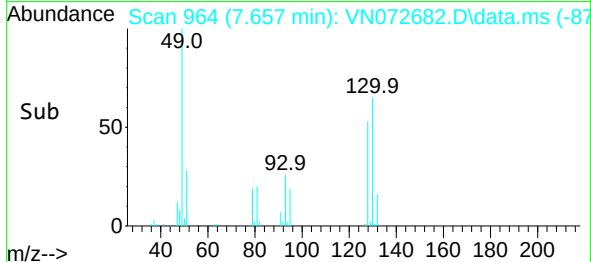
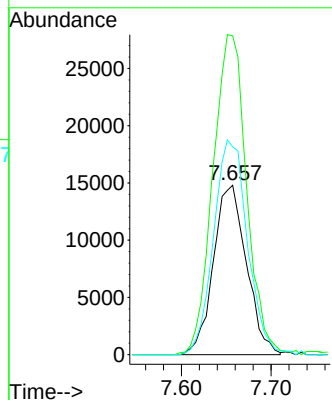
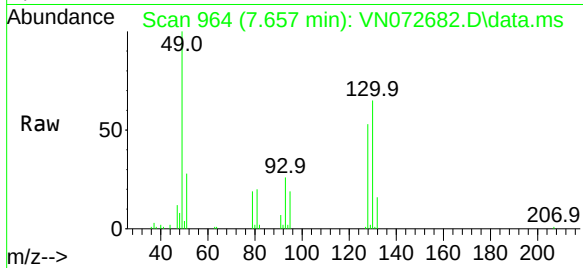




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

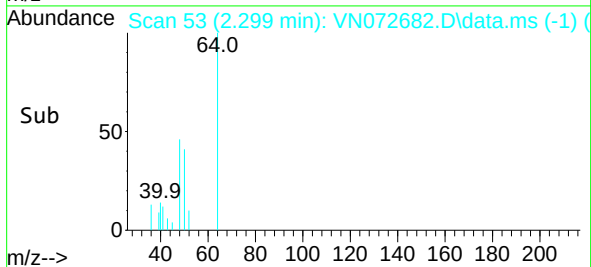
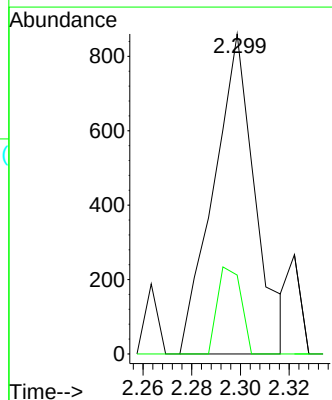
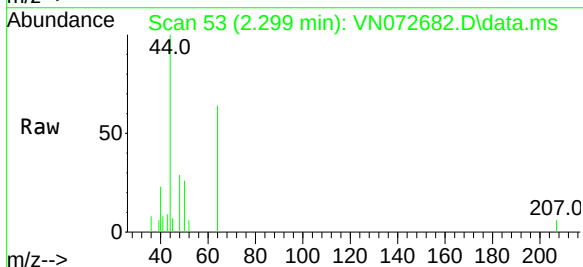
Instrument :
MSVOA_N
ClientSampleId :
14B-4

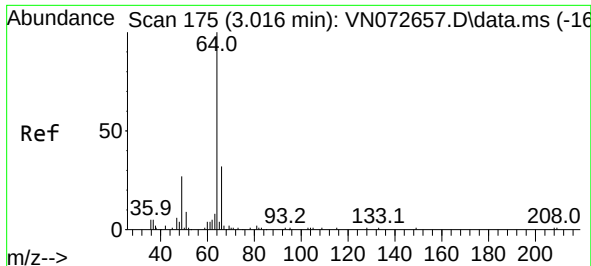
Tgt Ion:128 Resp: 37874
Ion Ratio Lower Upper
128 100
49 192.3 0.0 392.3
130 129.9 0.0 320.2



#3
Chloromethane
Concen: 0.330 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

Tgt Ion: 50 Resp: 1019
Ion Ratio Lower Upper
50 100
52 24.7 27.8 41.6#

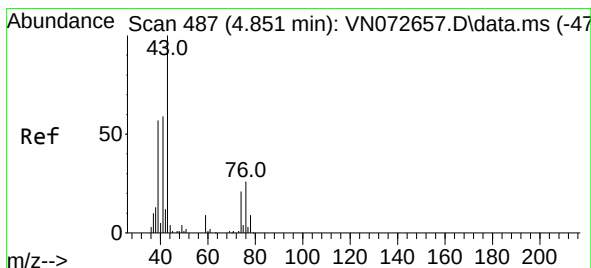
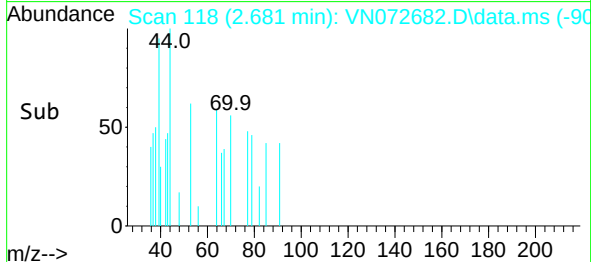
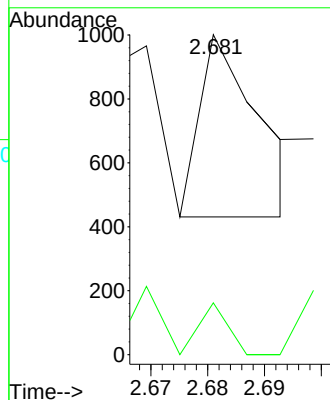
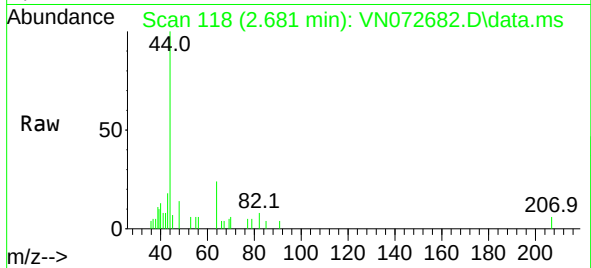




#6
Chloroethane
Concen: 0.223 ug/l
RT: 2.681 min Scan# 118
Delta R.T. -0.335 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

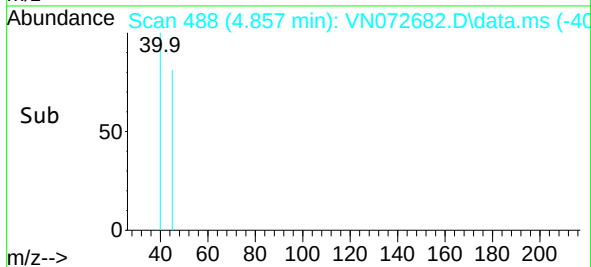
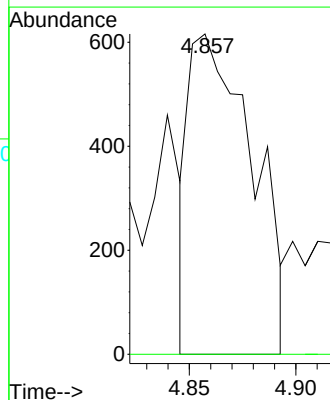
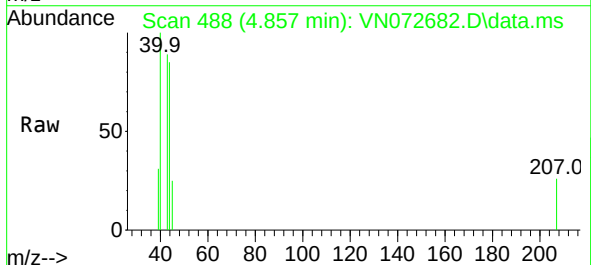
Instrument :
MSVOA_N
ClientSampleId :
14B-4

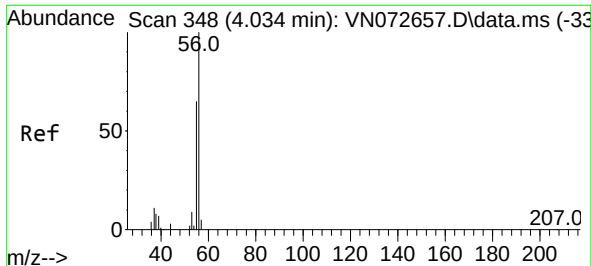
Tgt Ion: 64 Resp: 414
Ion Ratio Lower Upper
64 100
66 28.4 24.6 36.8



#12
Methyl Acetate
Concen: 0.248 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

Tgt Ion: 43 Resp: 1279
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#

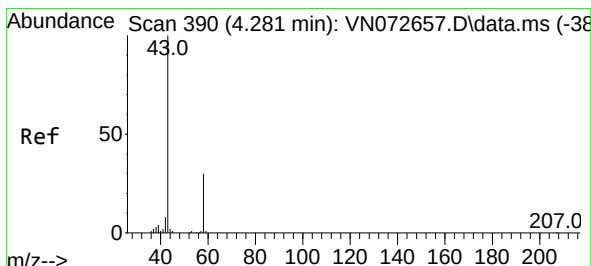
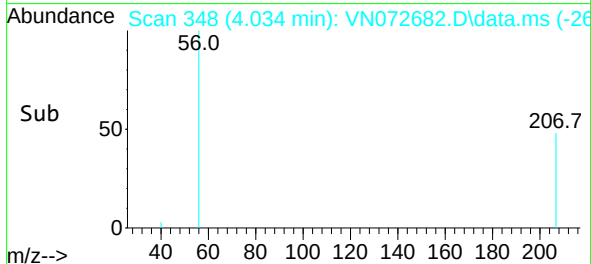
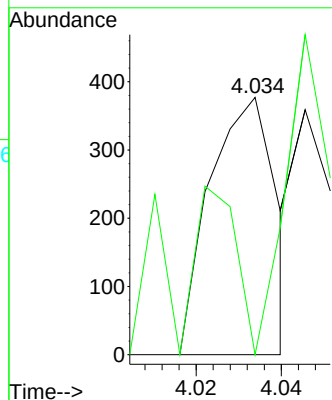
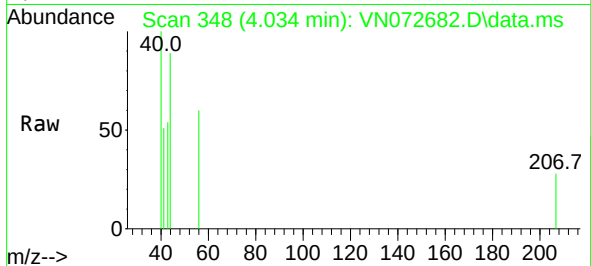




#13
Acrolein
Concen: 0.905 ug/l
RT: 4.034 min Scan# 348
Delta R.T. 0.000 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

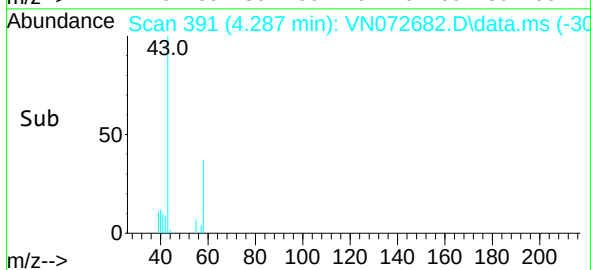
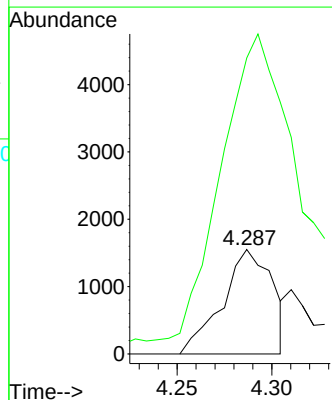
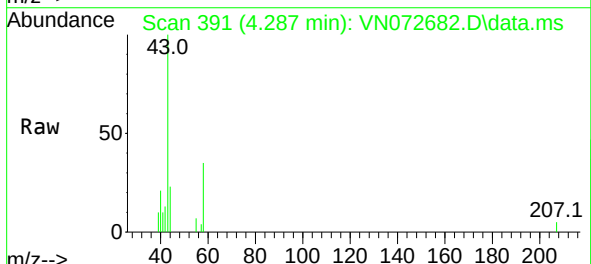
Instrument :
MSVOA_N
ClientSampleId :
14B-4

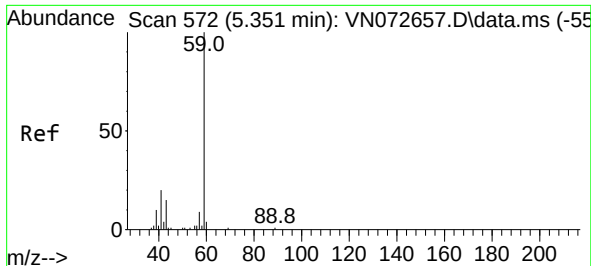
Tgt Ion: 56 Resp: 409
Ion Ratio Lower Upper
56 100
55 91.9 57.6 86.4#



#15
Acetone
Concen: 5.019 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

Tgt Ion: 58 Resp: 2860
Ion Ratio Lower Upper
58 100
43 263.5 256.6 384.8

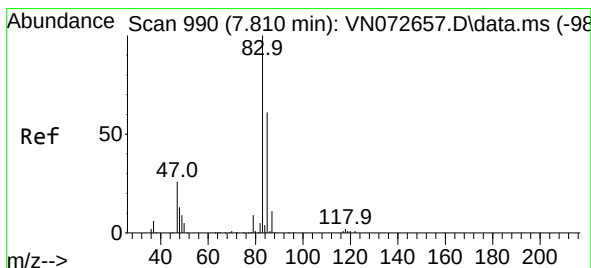
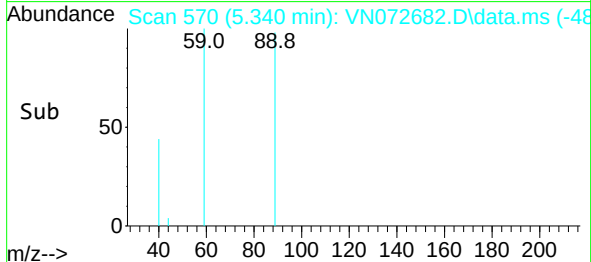
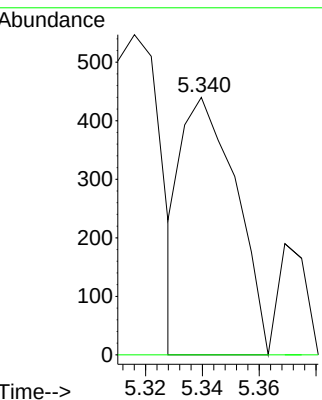
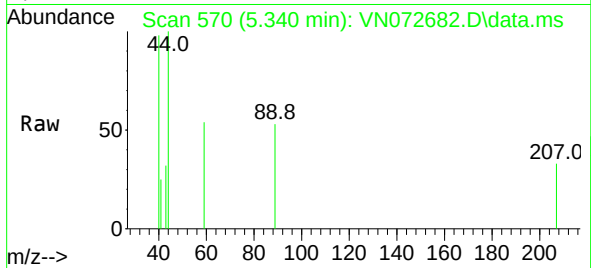




#23
tert-Butyl Alcohol
Concen: 0.606 ug/l
RT: 5.340 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

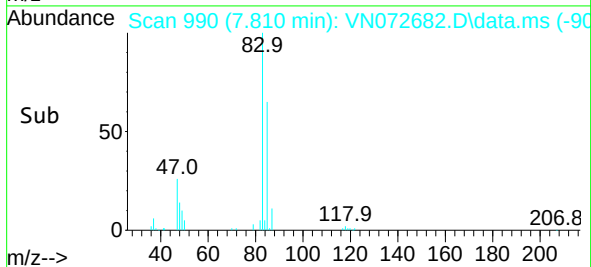
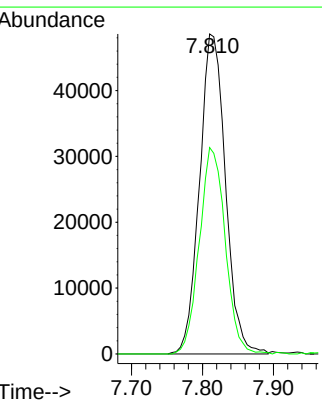
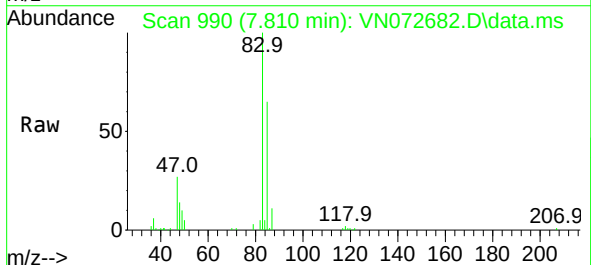
Instrument :
MSVOA_N
ClientSampleId :
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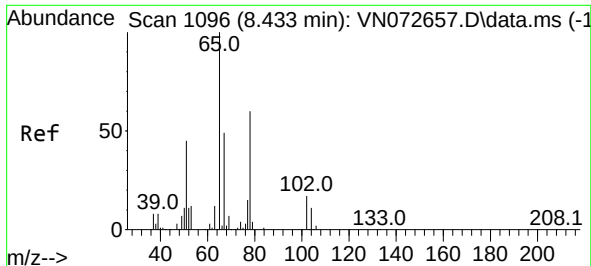
Tgt Ion: 59 Resp: 593
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 20.160 ug/l
RT: 7.810 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

Tgt Ion: 83 Resp: 123178
Ion Ratio Lower Upper
83 100
85 64.5 51.3 76.9

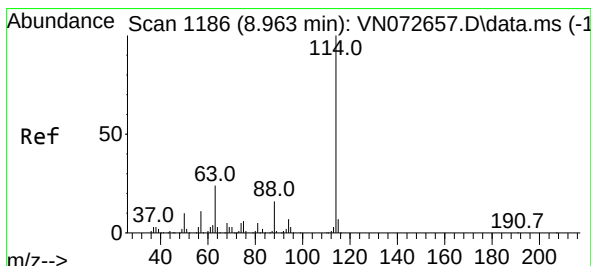
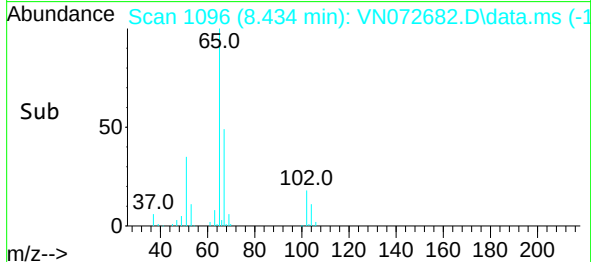
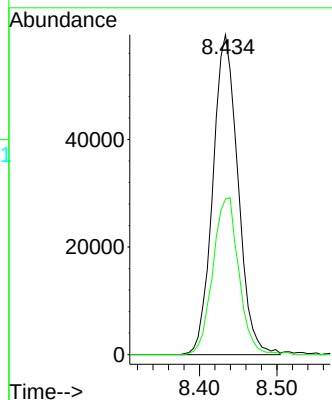
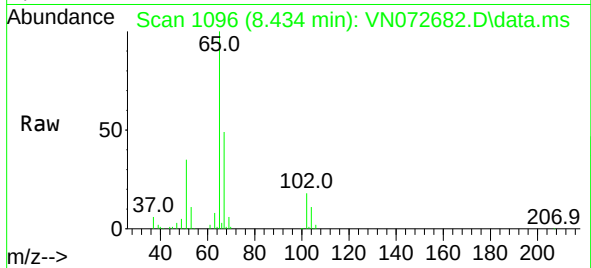




#27
 1,2-Dichloroethane-d4
 Concen: 31.023 ug/l
 RT: 8.434 min Scan# 1096
 Delta R.T. 0.000 min
 Lab File: VN072682.D
 Acq: 07 Jun 2022 12:52

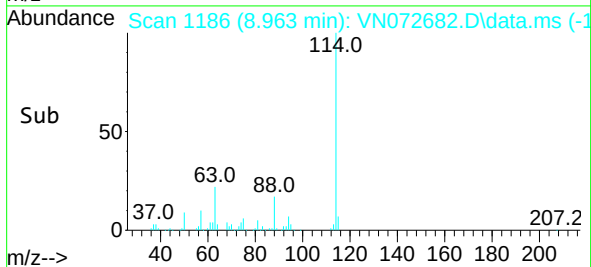
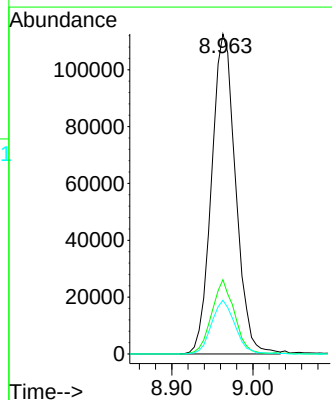
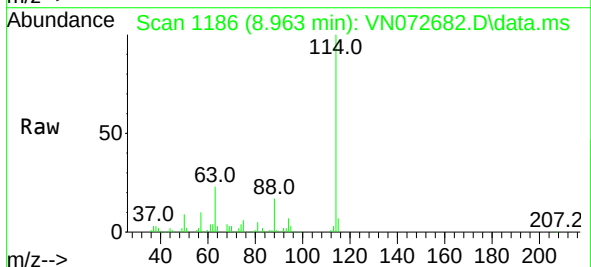
Instrument :
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 ClientSampleId :
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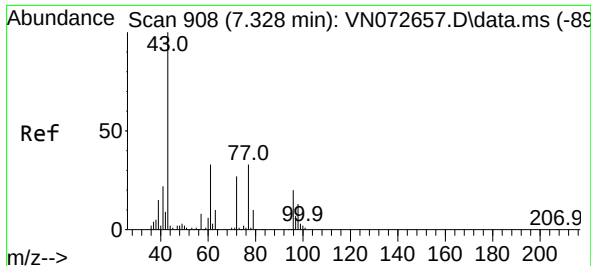
Tgt Ion: 65 Resp: 134000
 Ion Ratio Lower Upper
 65 100
 67 50.3 40.2 60.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.963 min Scan# 1186
 Delta R.T. 0.000 min
 Lab File: VN072682.D
 Acq: 07 Jun 2022 12:52

Tgt Ion: 114 Resp: 231916
 Ion Ratio Lower Upper
 114 100
 63 21.9 15.8 23.6
 88 16.2 11.6 17.4

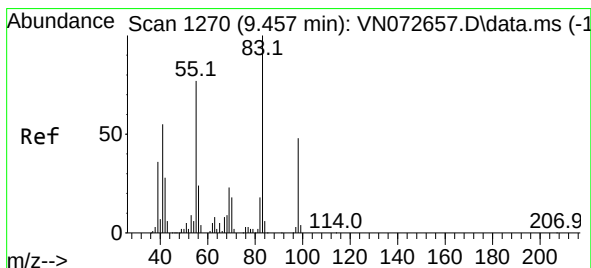
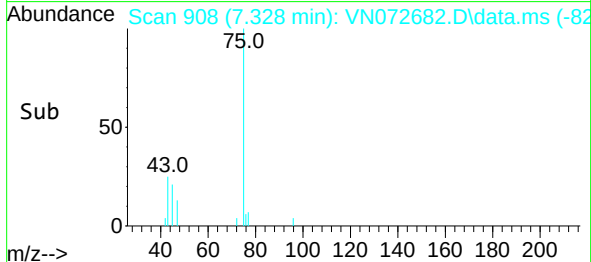
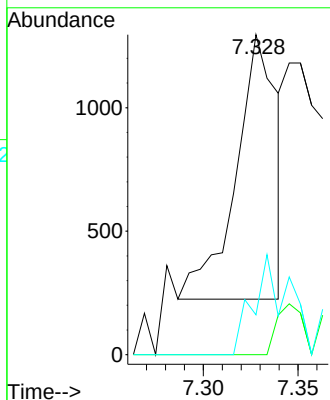
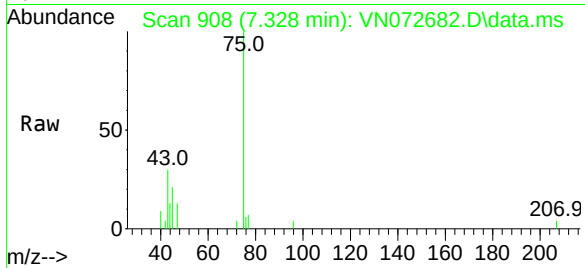




#30
2-Butanone
Concen: 0.503 ug/l
RT: 7.328 min Scan# 908
Delta R.T. 0.000 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

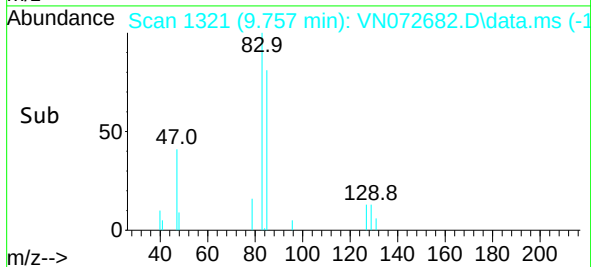
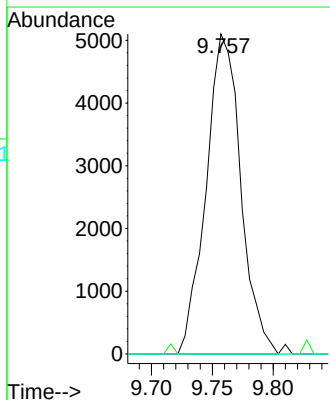
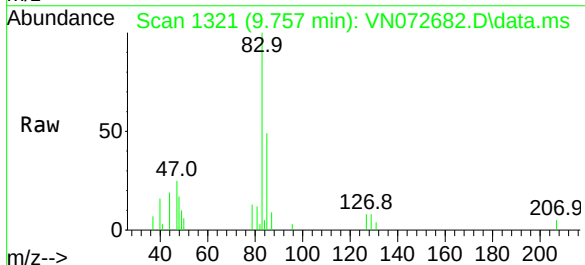
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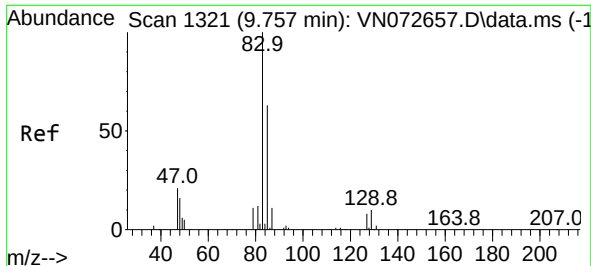
Tgt Ion: 43 Resp: 1610
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 20.7 23.2 34.8#



#38
Methylcyclohexane
Concen: 1.919 ug/l
RT: 9.757 min Scan# 1321
Delta R.T. 0.300 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

Tgt Ion: 83 Resp: 10129
Ion Ratio Lower Upper
83 100
55 0.6 35.1 105.3#
98 0.0 23.4 70.2#

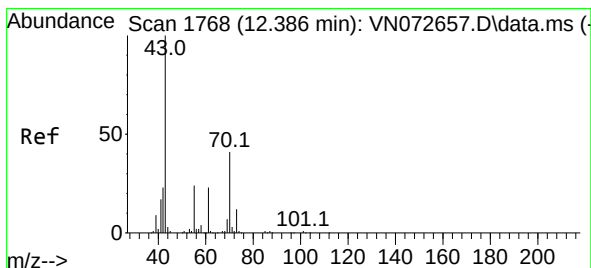
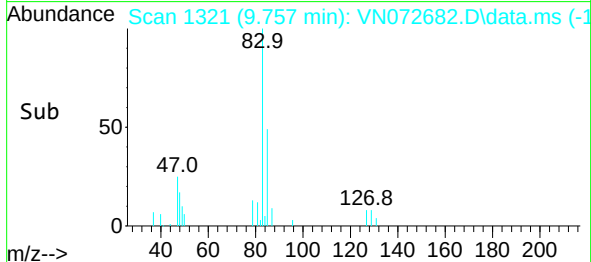
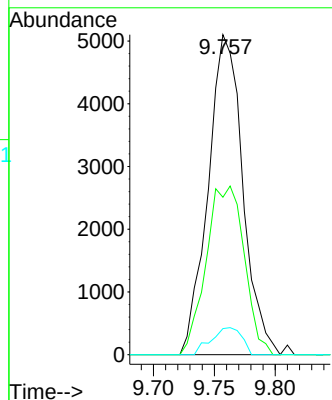
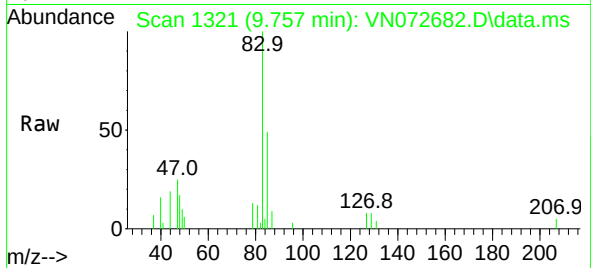




#41
Bromodichloromethane
Concen: 1.920 ug/l
RT: 9.757 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

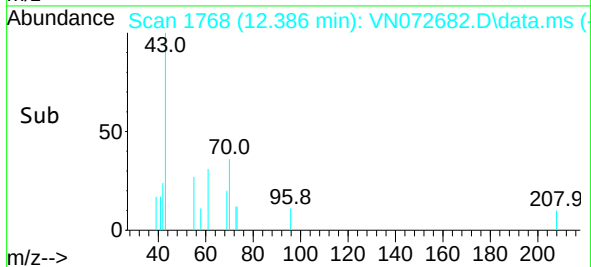
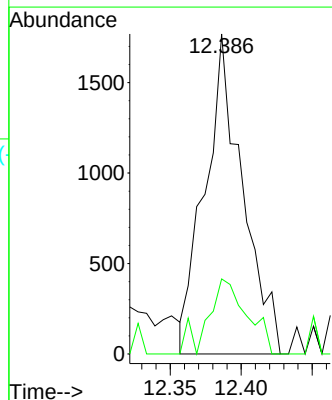
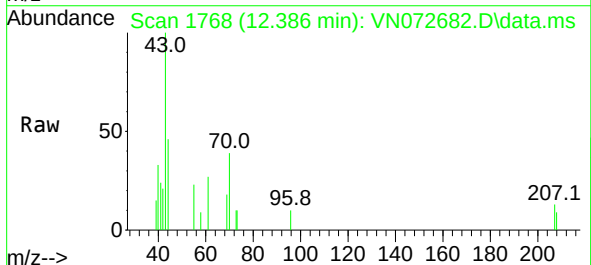
Instrument :
MSVOA_N
ClientSampleId :
14B-4

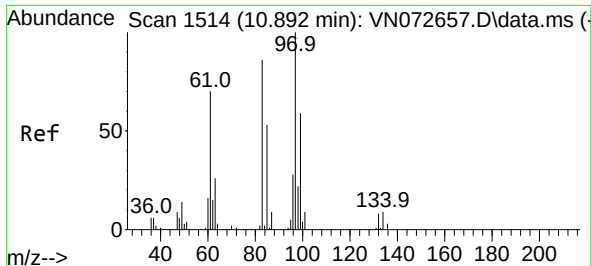
Tgt Ion: 83 Resp: 10129
Ion Ratio Lower Upper
83 100
85 49.2 54.1 81.1#
127 8.1 7.6 11.4



#47
n-amy1 Acetate
Concen: 0.417 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.000 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

Tgt Ion: 43 Resp: 3247
Ion Ratio Lower Upper
43 100
55 20.2 19.0 28.6

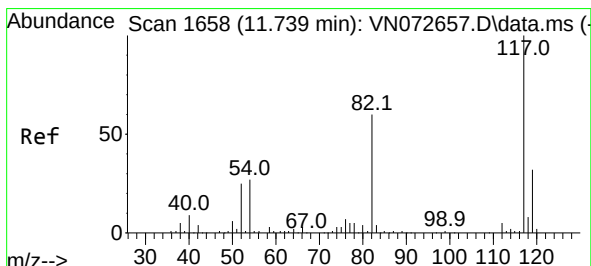
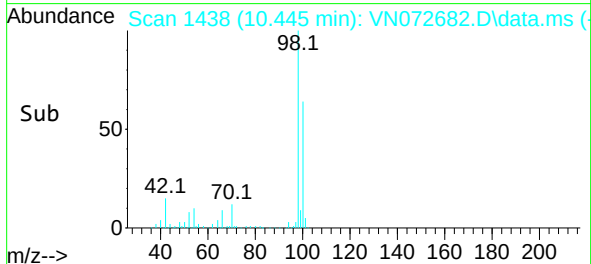
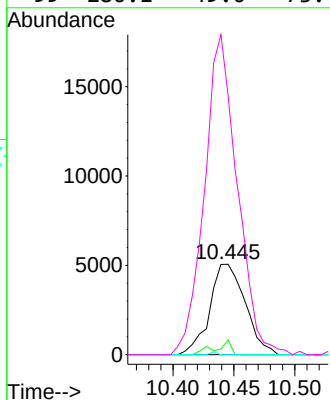
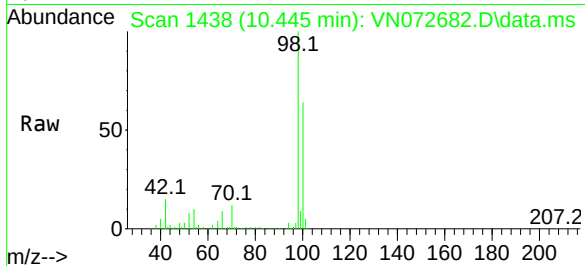




#50
1,1,2-Trichloroethane
Concen: 2.946 ug/l
RT: 10.445 min Scan# 14
Delta R.T. -0.447 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

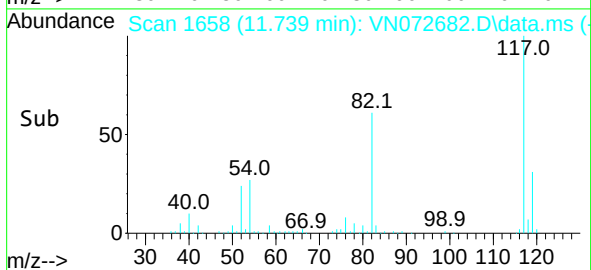
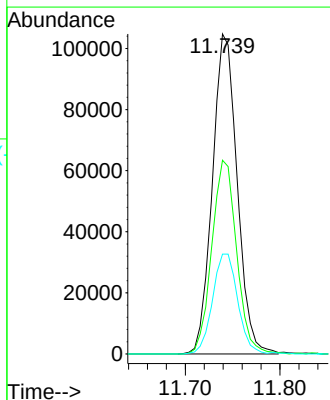
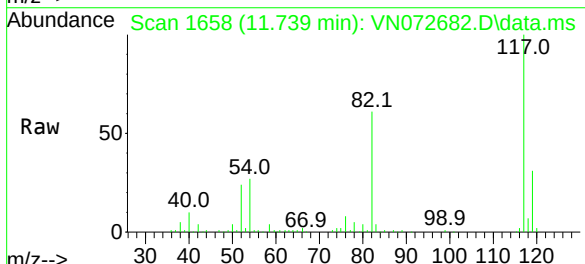
Instrument :
MSVOA_N
ClientSampleId :
14B-4

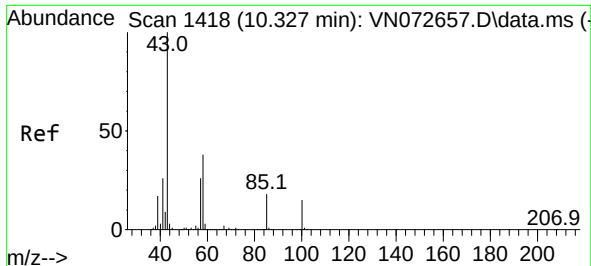
Tgt Ion: 97	Resp: 10273
Ion Ratio	Lower Upper
97 100	
83 16.4	67.2 100.8#
85 0.0	43.0 64.4#
99 280.1	49.0 73.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

Tgt Ion: 117	Resp: 190491
Ion Ratio	Lower Upper
117 100	
82 60.7	43.6 65.4
119 31.7	25.8 38.6

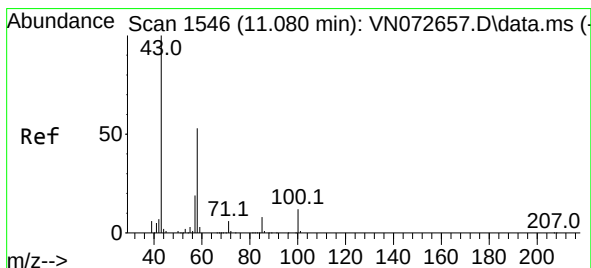
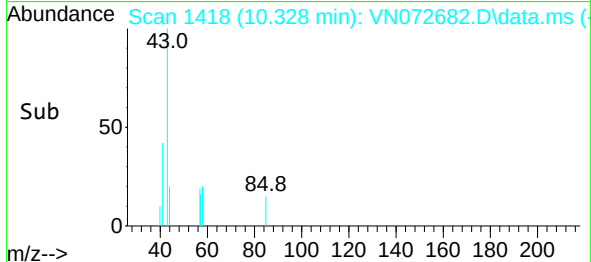
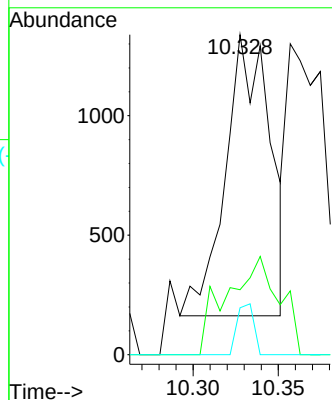
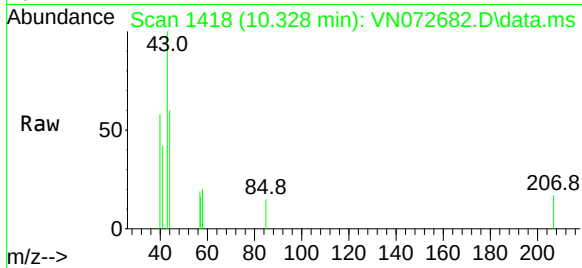




#58
4-Methyl-2-Pentanone
Concen: 0.376 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

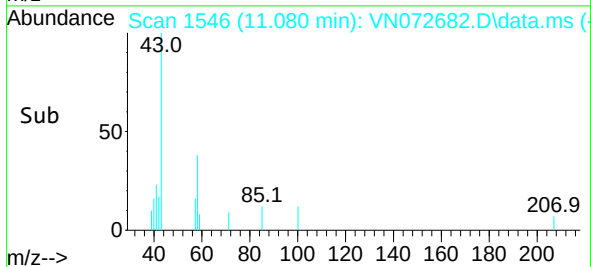
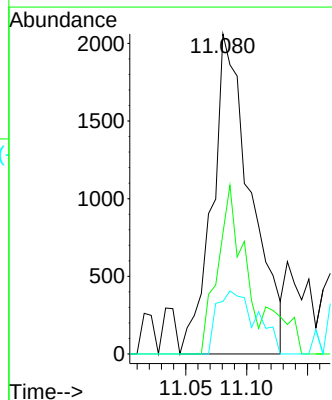
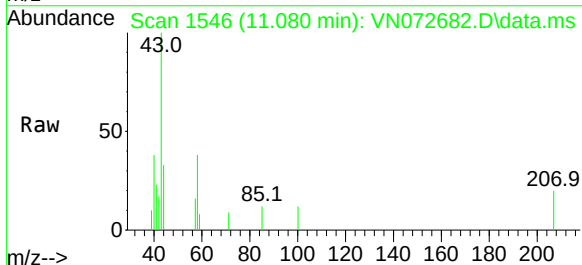
Instrument :
MSVOA_N
ClientSampleId :
14B-4

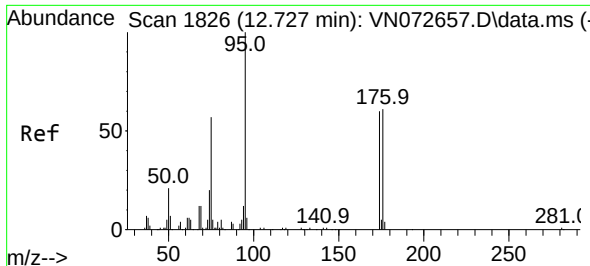
Tgt Ion: 43 Resp: 2146
Ion Ratio Lower Upper
43 100
58 29.1 30.0 45.0#
85 6.7 15.0 22.6#



#59
2-Hexanone
Concen: 1.044 ug/l
RT: 11.080 min Scan# 1546
Delta R.T. 0.000 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

Tgt Ion: 43 Resp: 4523
Ion Ratio Lower Upper
43 100
58 35.5 42.2 63.2#
57 15.4 15.0 22.4

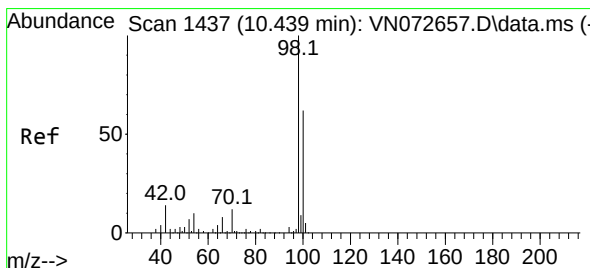
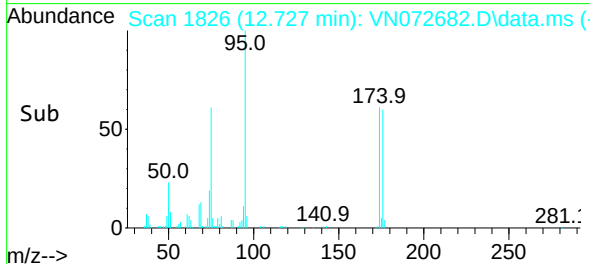
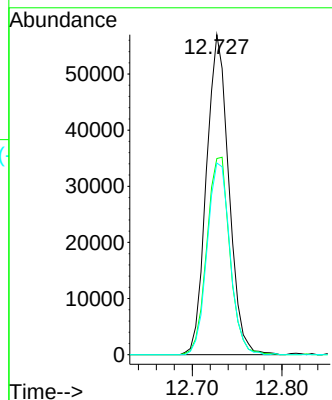
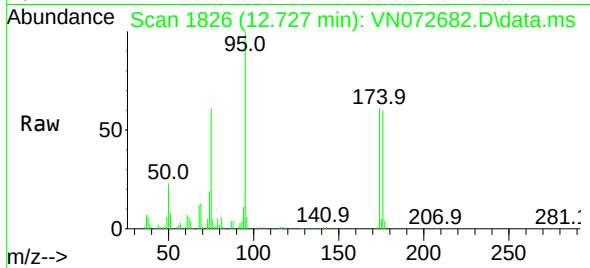




#60
4-Bromofluorobenzene
Concen: 25.251 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

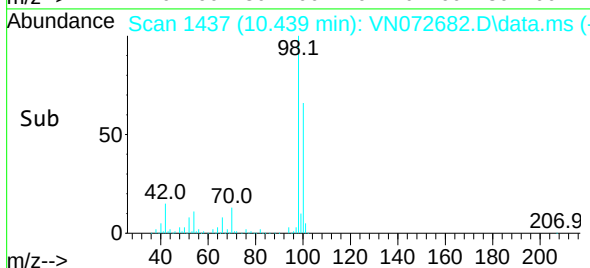
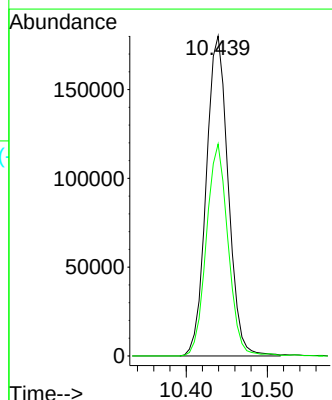
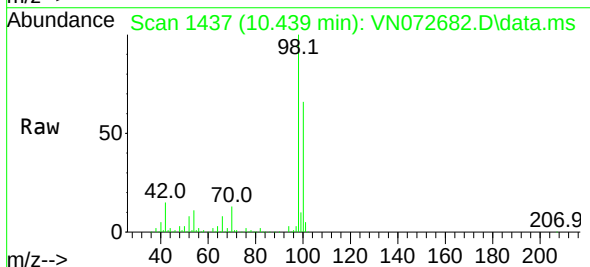
Instrument :
MSVOA_N
ClientSampleId :
14B-4

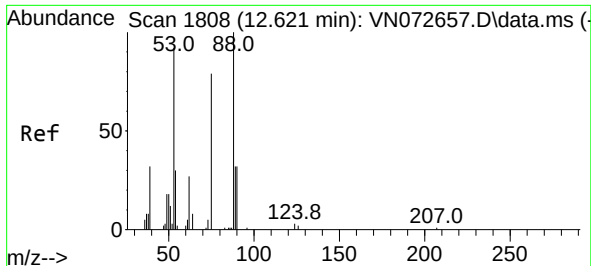
Tgt Ion: 95 Resp: 98931
Ion Ratio Lower Upper
95 100
174 63.2 62.9 94.3
176 61.0 61.0 91.4



#63
Toluene-d8
Concen: 32.104 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

Tgt Ion: 98 Resp: 338777
Ion Ratio Lower Upper
98 100
100 64.9 50.6 76.0

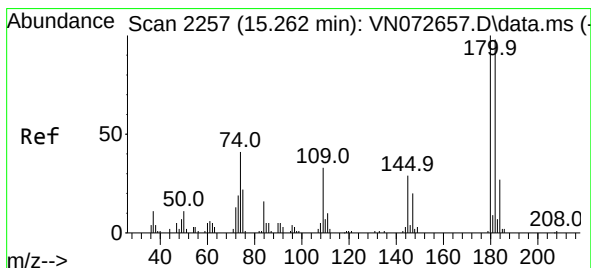
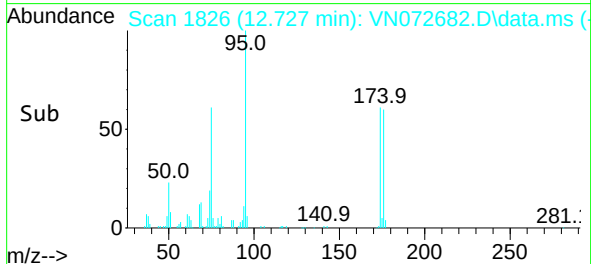
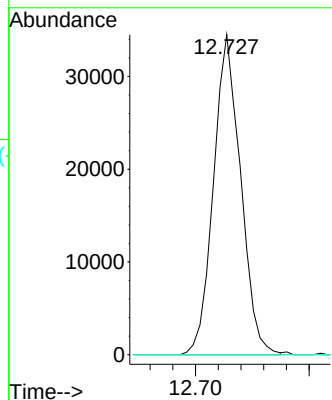
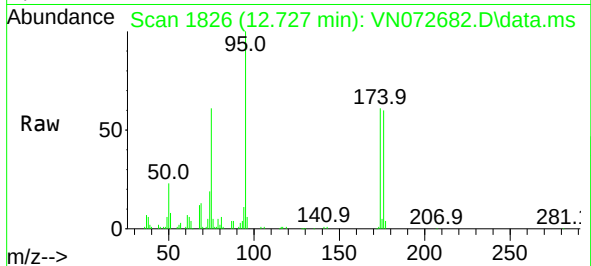




#77
t-1,4-Dichloro-2-butene
Concen: 31.857 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

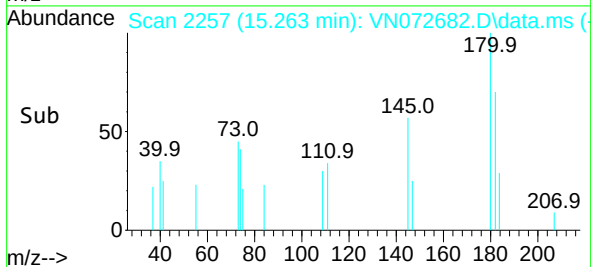
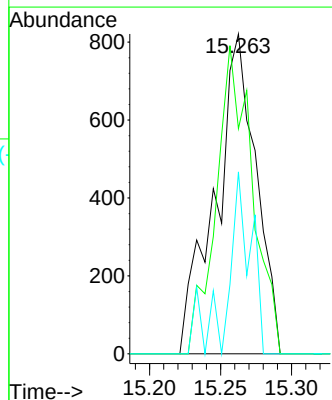
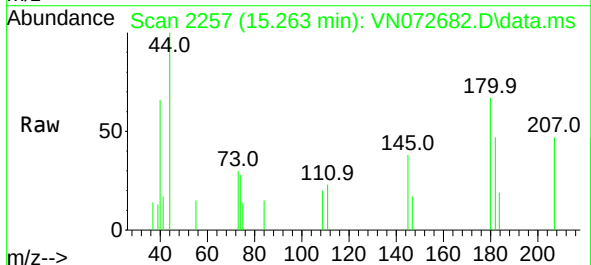
Instrument :
MSVOA_N
ClientSampleId :
14B-4

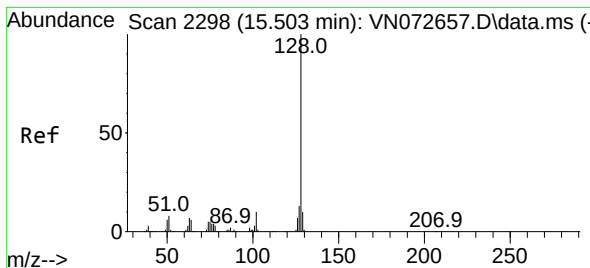
Tgt Ion: 75 Resp: 57191
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#89
1,2,4-Trichlorobenzene
Concen: 0.641 ug/l
RT: 15.263 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VN072682.D
Acq: 07 Jun 2022 12:52

Tgt Ion:180 Resp: 1640
Ion Ratio Lower Upper
180 100
182 85.4 77.7 116.5
145 25.9 26.6 39.8#





#91

Naphthalene

Concen: 1.098 ug/l

RT: 15.504 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN072682.D

Acq: 07 Jun 2022 12:52

Instrument :

MSVOA_N

ClientSampleId :

14B-4

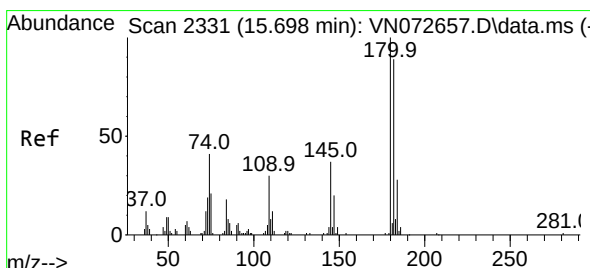
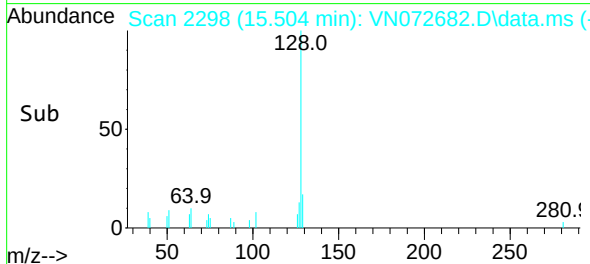
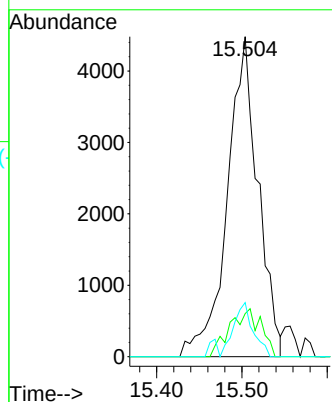
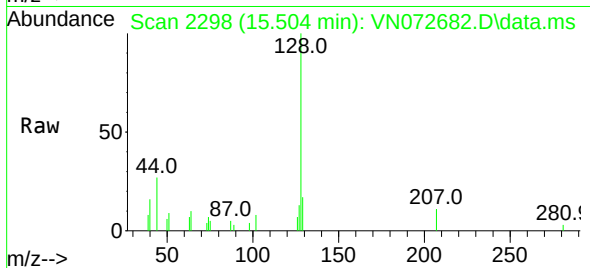
Tgt Ion:128 Resp: 11208

Ion Ratio Lower Upper

128 100

127 8.6 10.7 16.1#

129 10.8 9.0 13.6



#92

1,2,3-Trichlorobenzene

Concen: 0.585 ug/l

RT: 15.704 min Scan# 2332

Delta R.T. 0.006 min

Lab File: VN072682.D

Acq: 07 Jun 2022 12:52

Tgt Ion:180 Resp: 1524

Ion Ratio Lower Upper

180 100

182 142.3 0.0 190.0

145 14.2 0.0 67.8

