

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021323\
 Data File : VN076642.D
 Acq On : 13 Feb 2023 21:08
 Operator : JC\MD
 Sample : 01532-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OWBR-03-128-148-021023

Quant Time: Feb 14 05:28:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

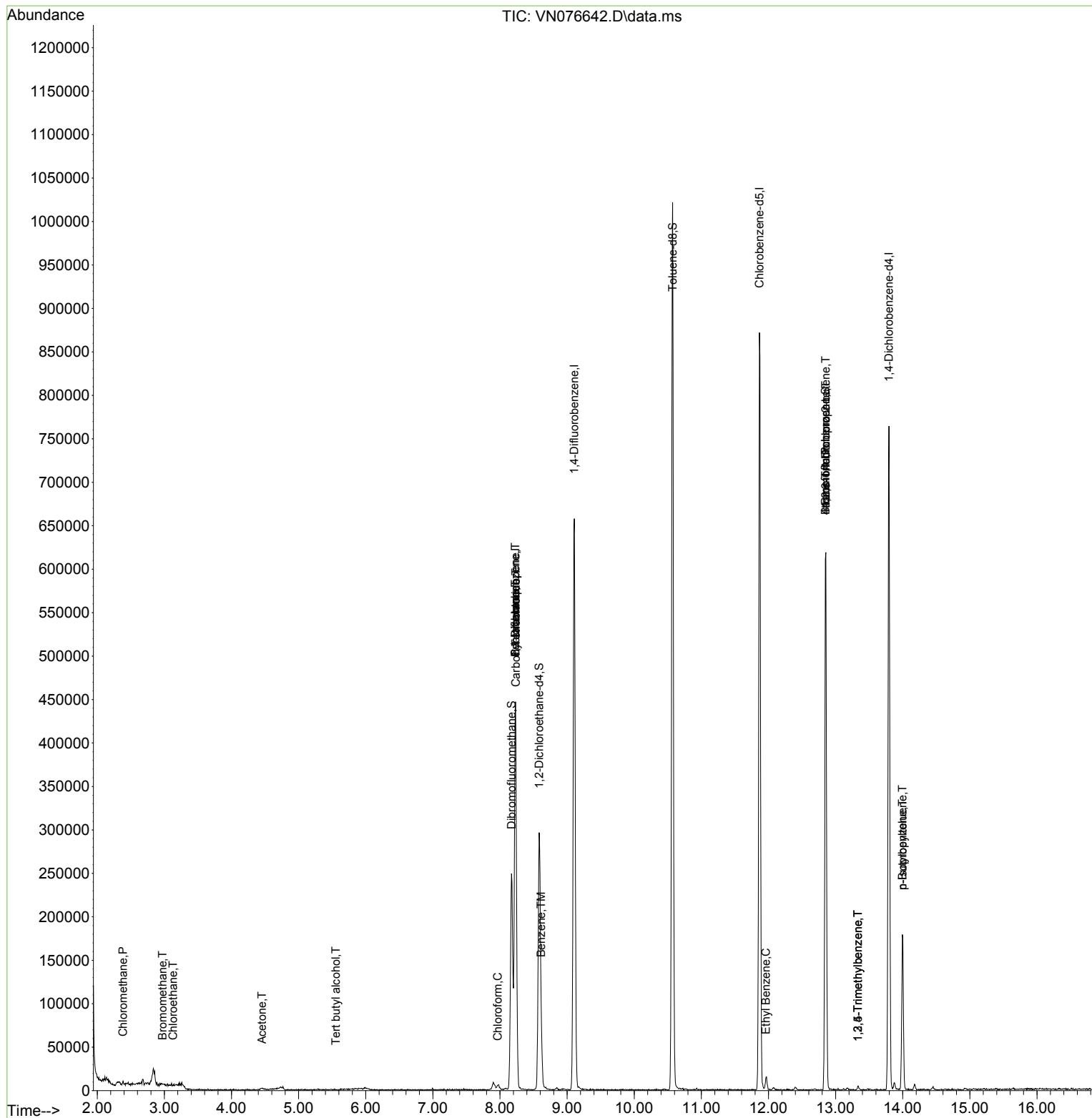
Internal Standards						
1) Pentafluorobenzene	8.231	168	314753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	564323	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	491261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	195094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	220997	50.847	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.700%	
35) Dibromofluoromethane	8.172	113	176508	47.761	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.520%	
50) Toluene-d8	10.572	98	683883	49.551	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.100%	
62) 4-Bromofluorobenzene	12.848	95	203778	44.579	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.160%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.384	50	1096	0.251	ug/l #	73
5) Bromomethane	2.972	94	1211	0.466	ug/l #	62
6) Chloroethane	3.131	64	577	0.213	ug/l #	44
11) Tert butyl alcohol	5.554	59	263	0.458	ug/l #	71
16) Acetone	4.454	43	2211	1.139	ug/l #	65
30) Chloroform	7.966	83	5723	0.792	ug/l #	71
31) Cyclohexane	8.231	56	9170	1.345	ug/l #	23
36) 1,1-Dichloropropene	8.231	75	29718	5.566	ug/l #	50
38) Carbon Tetrachloride	8.237	117	34916	6.482	ug/l #	15
40) Benzene	8.613	78	53538	3.265	ug/l	99
67) Ethyl Benzene	11.960	91	9675	0.545	ug/l #	71
71) Bromoform	12.848	173	1912	0.689	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	113998	28.902	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.330	105	3203	0.271	ug/l	70
81) trans-1,4-Dichloro-2-b...	12.854	75	113998	84.180	ug/l #	4
84) 1,2,4-Trimethylbenzene	13.330	105	3203	0.272	ug/l	76
86) p-Isopropyltoluene	13.995	119	4145	0.348	ug/l #	1
89) n-Butylbenzene	13.995	91	14331	1.382	ug/l #	42

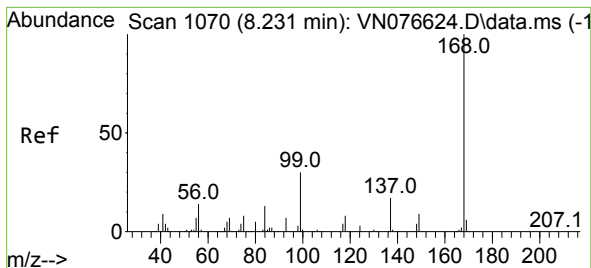
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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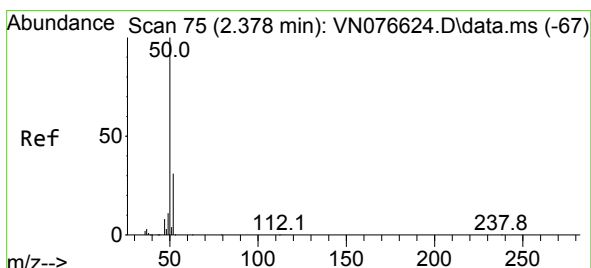
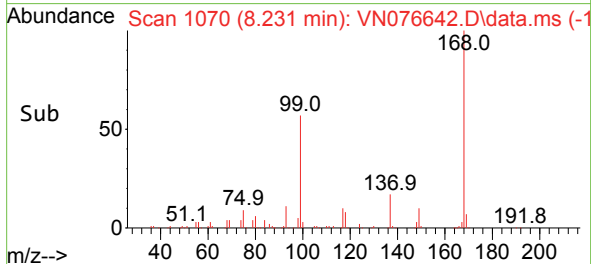
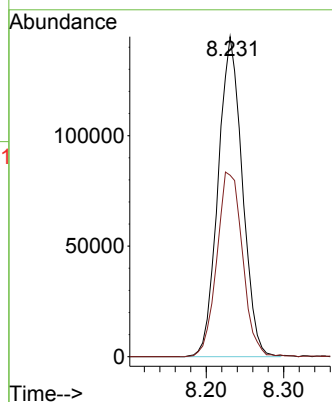
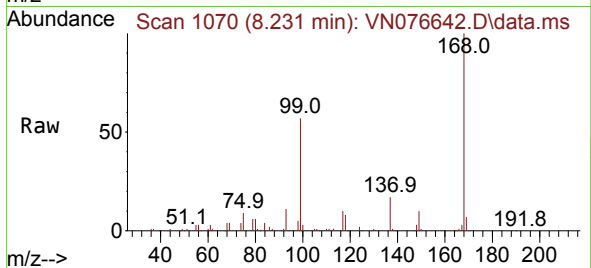




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076642.D
Acq: 13 Feb 2023 21:08

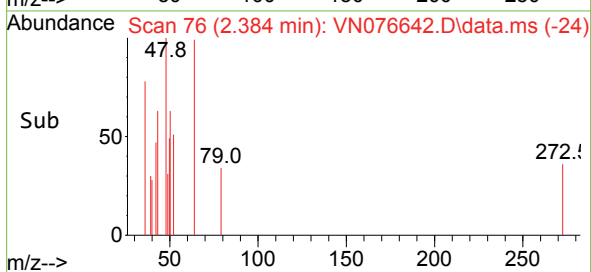
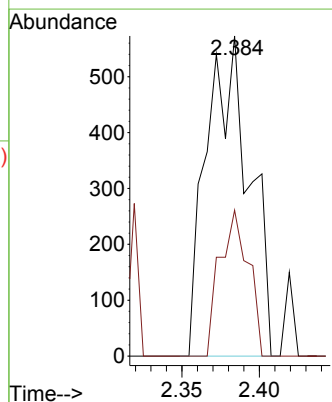
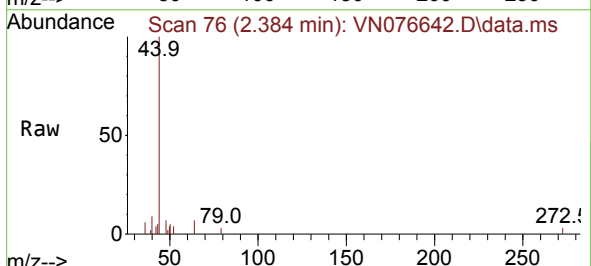
Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-021023

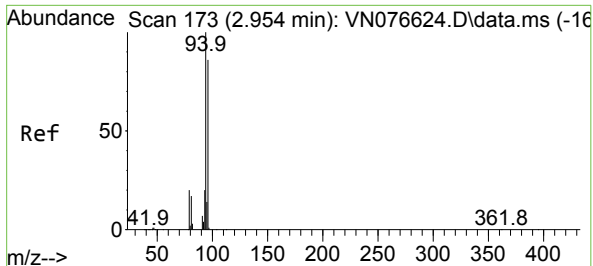
Tgt Ion:168 Resp: 314753
Ion Ratio Lower Upper
168 100
99 56.7 44.8 67.2



#3
Chloromethane
Concen: 0.251 ug/l
RT: 2.384 min Scan# 76
Delta R.T. 0.006 min
Lab File: VN076642.D
Acq: 13 Feb 2023 21:08

Tgt Ion: 50 Resp: 1096
Ion Ratio Lower Upper
50 100
52 45.5 24.7 37.1#

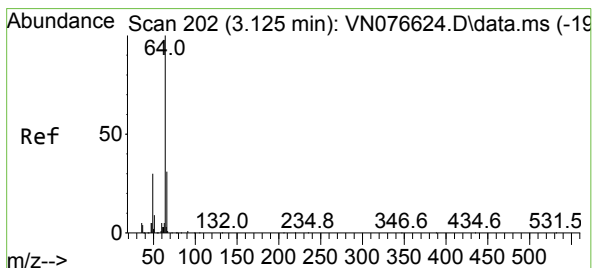
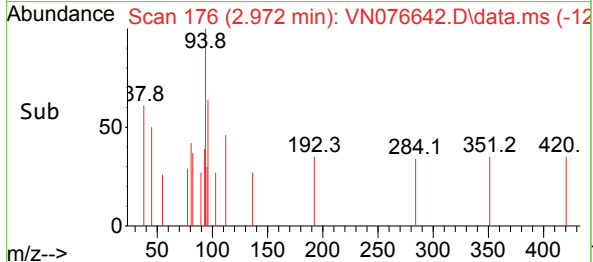
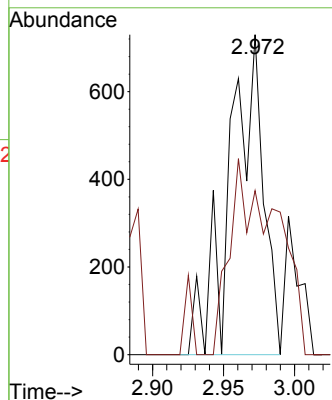
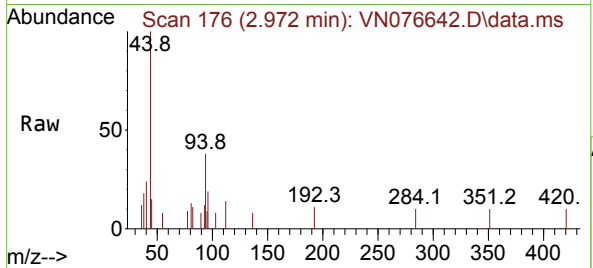




#5
Bromomethane
Concen: 0.466 ug/l
RT: 2.972 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN076642.D
Acq: 13 Feb 2023 21:08

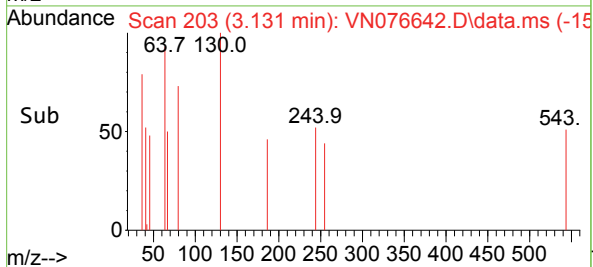
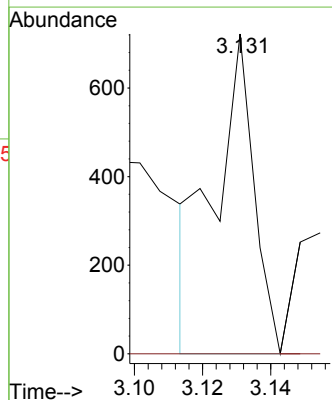
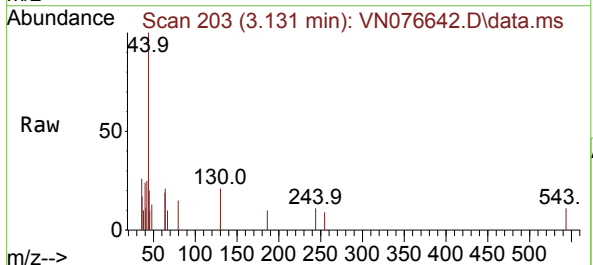
Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-021023

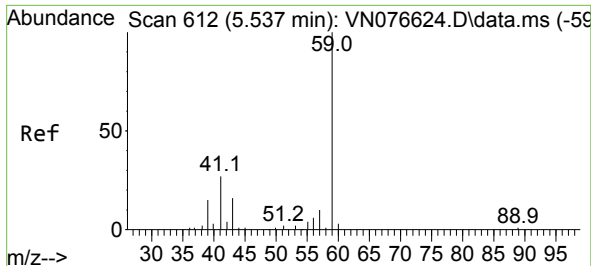
Tgt Ion: 94 Resp: 1211
Ion Ratio Lower Upper
94 100
96 51.2 69.0 103.4#



#6
Chloroethane
Concen: 0.213 ug/l
RT: 3.131 min Scan# 203
Delta R.T. 0.006 min
Lab File: VN076642.D
Acq: 13 Feb 2023 21:08

Tgt Ion: 64 Resp: 577
Ion Ratio Lower Upper
64 100
66 0.0 24.6 37.0#

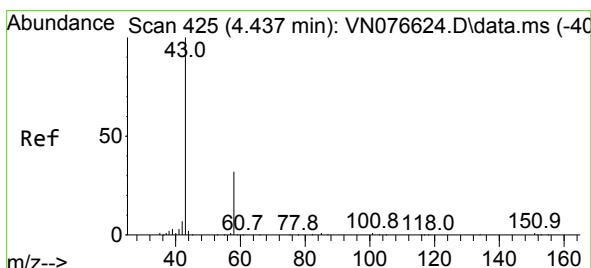
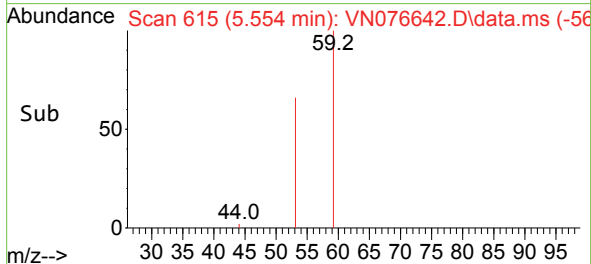
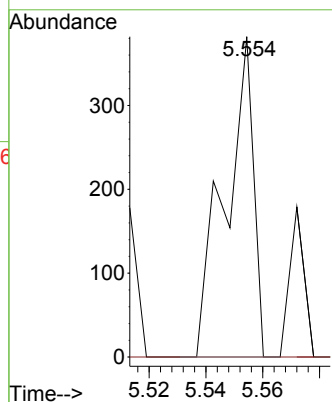
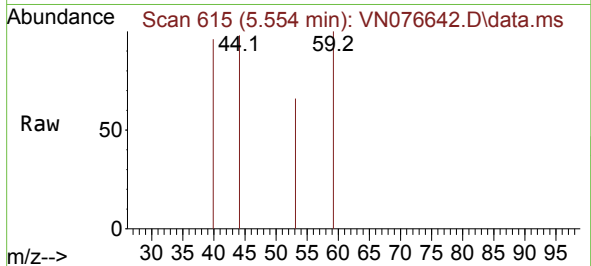




#11
Tert butyl alcohol
Concen: 0.458 ug/l
RT: 5.554 min Scan# 612
Delta R.T. 0.018 min
Lab File: VN076642.D
Acq: 13 Feb 2023 21:08

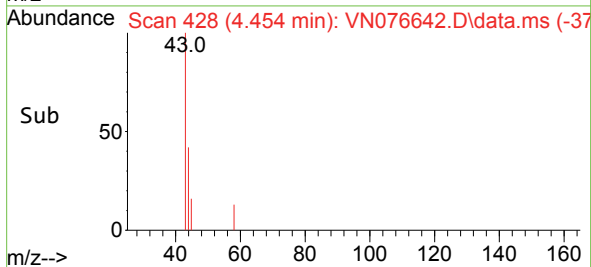
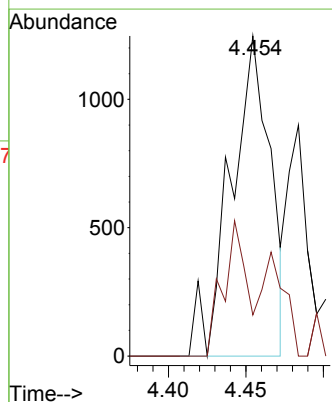
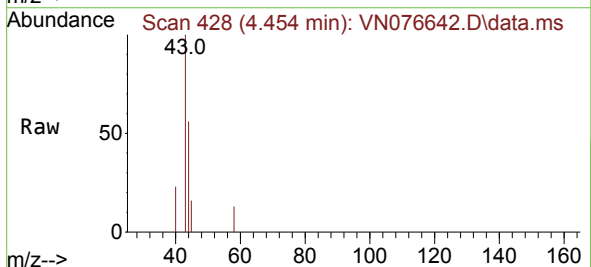
Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-021023

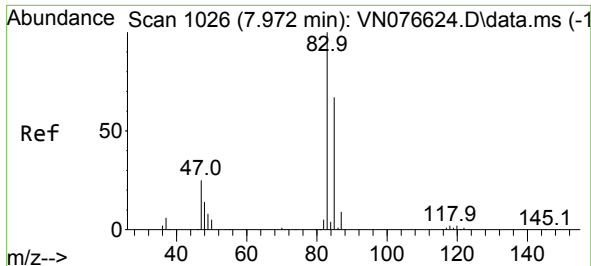
Tgt Ion: 59 Resp: 263
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 1.139 ug/l
RT: 4.454 min Scan# 428
Delta R.T. 0.017 min
Lab File: VN076642.D
Acq: 13 Feb 2023 21:08

Tgt Ion: 43 Resp: 2211
Ion Ratio Lower Upper
43 100
58 12.8 25.9 38.9#

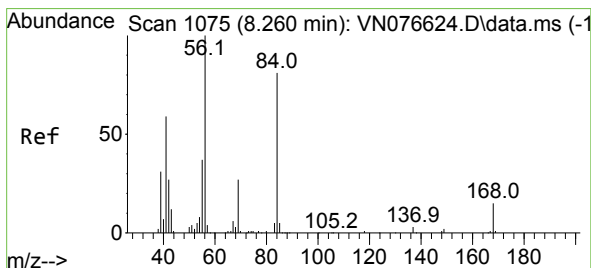
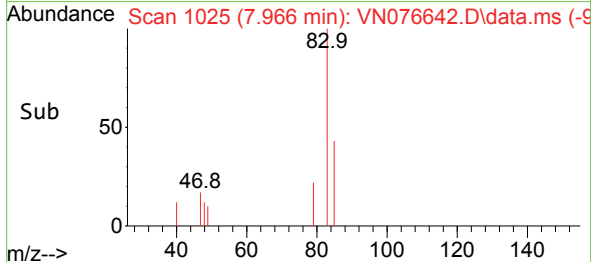
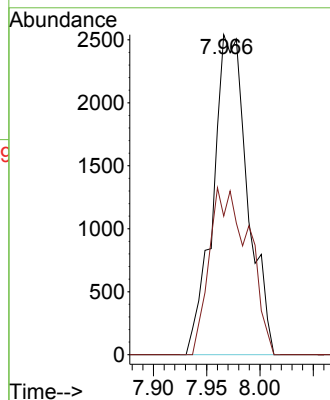
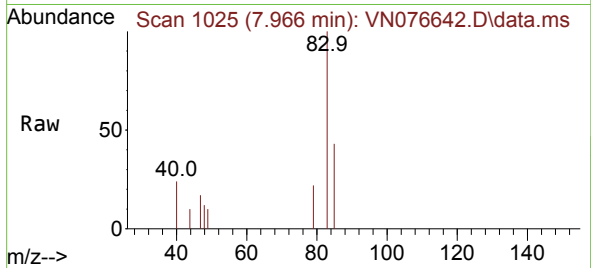




#30
Chloroform
Concen: 0.792 ug/l
RT: 7.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN076642.D
Acq: 13 Feb 2023 21:08

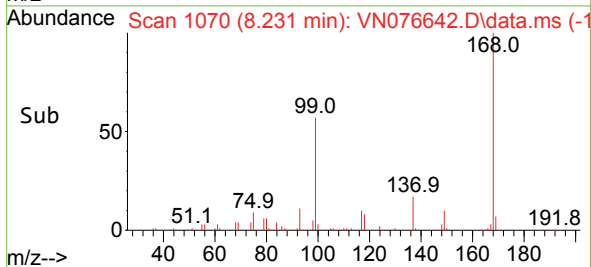
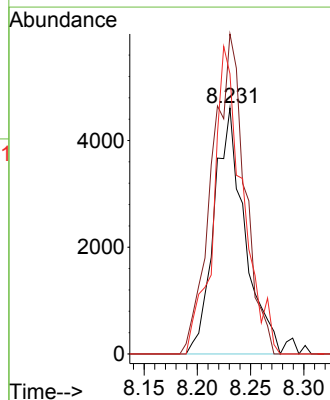
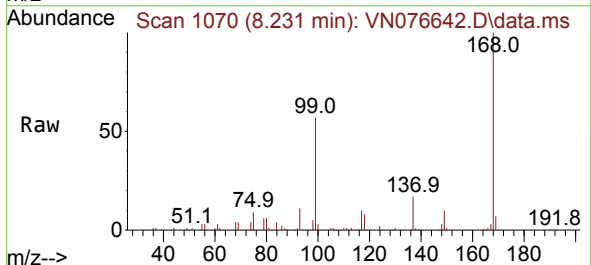
Instrument :
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ClientSampleId :
OWBR-03-128-148-021023

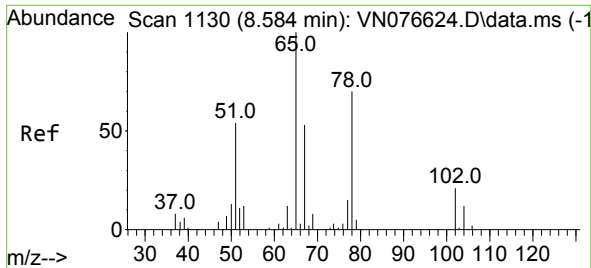
Tgt Ion: 83 Resp: 5723
Ion Ratio Lower Upper
83 100
85 43.3 53.5 80.3#



#31
Cyclohexane
Concen: 1.345 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN076642.D
Acq: 13 Feb 2023 21:08

Tgt Ion: 56 Resp: 9170
Ion Ratio Lower Upper
56 100
69 130.0 21.6 32.4#
84 113.8 65.1 97.7#





#33

1,2-Dichloroethane-d4

Concen: 50.847 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN076642.D

Acq: 13 Feb 2023 21:08

Instrument :

MSVOA_N

ClientSampleId :

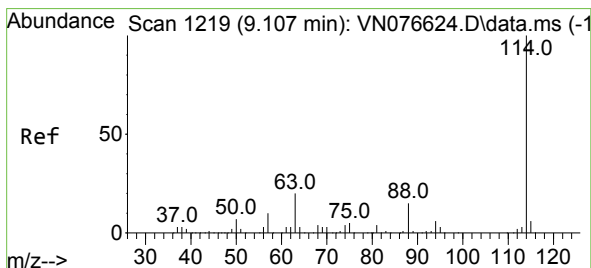
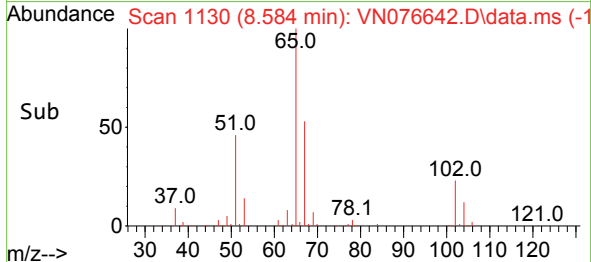
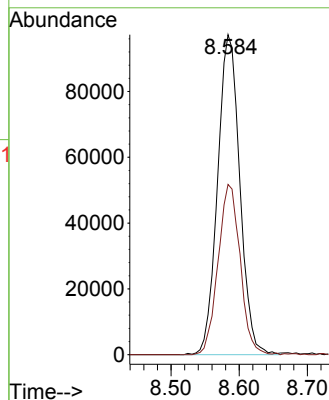
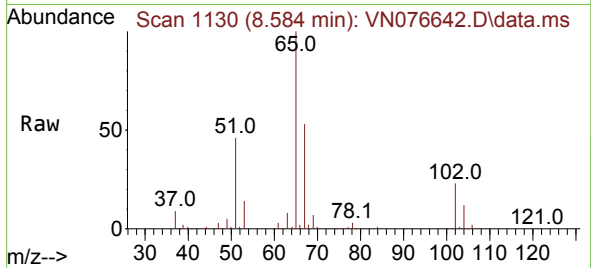
OWBR-03-128-148-021023

Tgt Ion: 65 Resp: 220997

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN076642.D

Acq: 13 Feb 2023 21:08

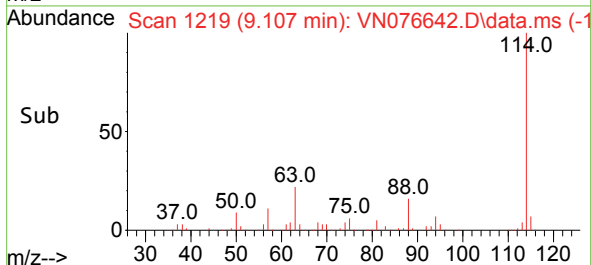
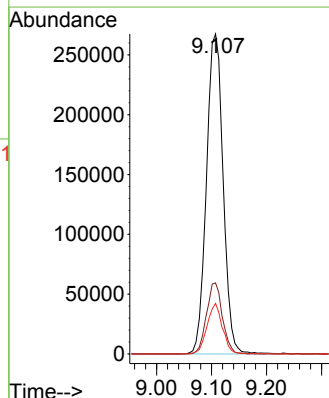
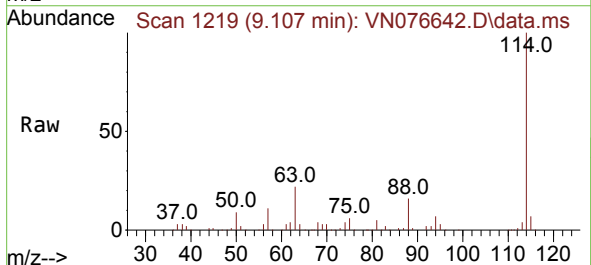
Tgt Ion: 114 Resp: 564323

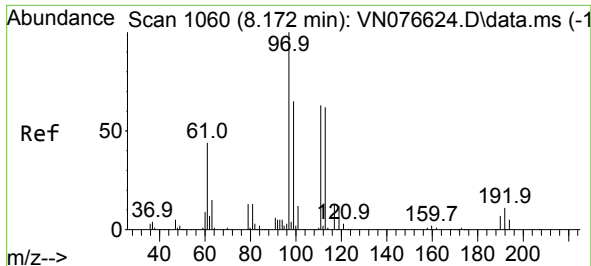
Ion Ratio Lower Upper

114 100

63 22.2 0.0 40.0

88 15.8 0.0 29.6

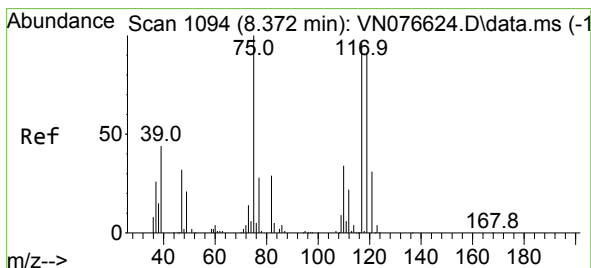
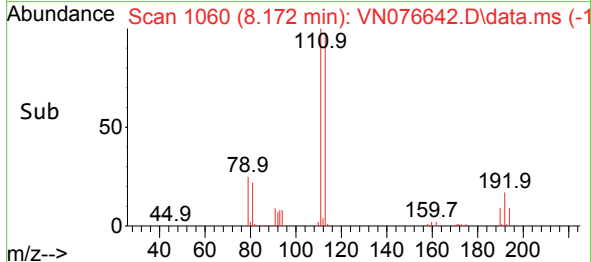
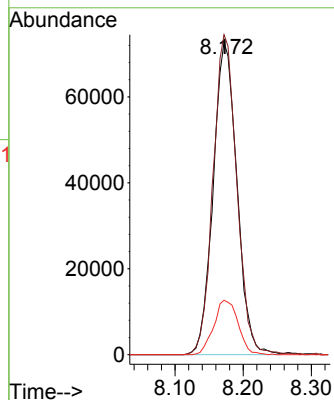
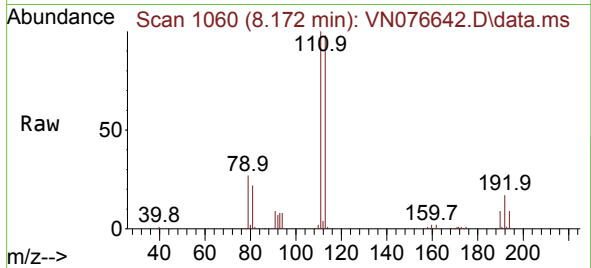




#35
Dibromofluoromethane
Concen: 47.761 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN076642.D
Acq: 13 Feb 2023 21:08

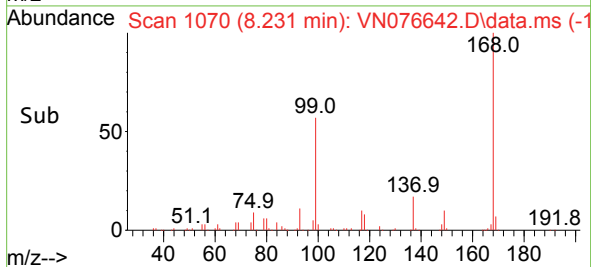
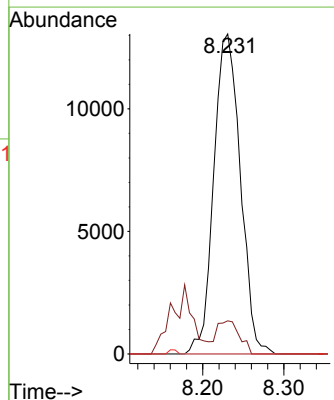
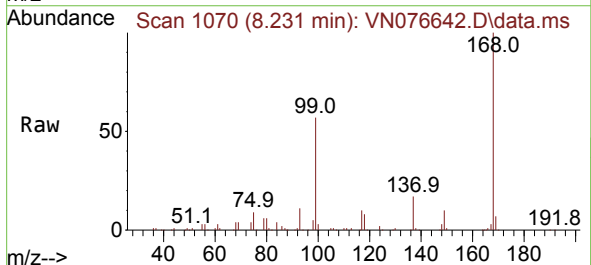
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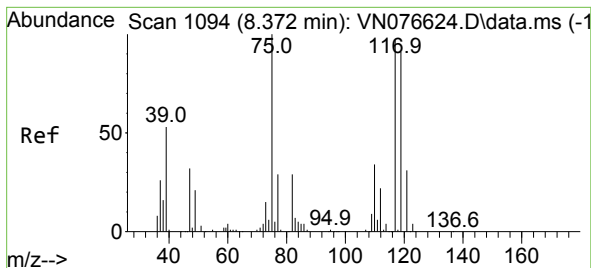
Tgt Ion:113 Resp: 176508
Ion Ratio Lower Upper
113 100
111 102.0 83.1 124.7
192 17.9 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.566 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.141 min
Lab File: VN076642.D
Acq: 13 Feb 2023 21:08

Tgt Ion: 75 Resp: 29718
Ion Ratio Lower Upper
75 100
110 9.0 17.5 52.5#
77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.482 ug/l

RT: 8.237 min Scan# 1094

Delta R.T. -0.135 min

Lab File: VN076642.D

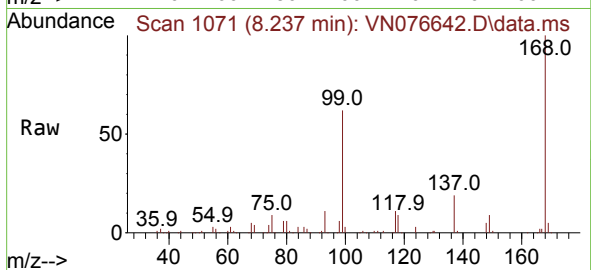
Acq: 13 Feb 2023 21:08

Instrument :

MSVOA_N

ClientSampleId :

OWBR-03-128-148-021023



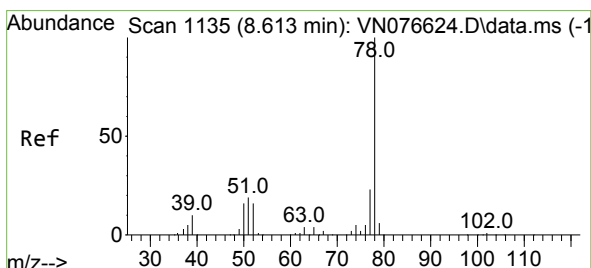
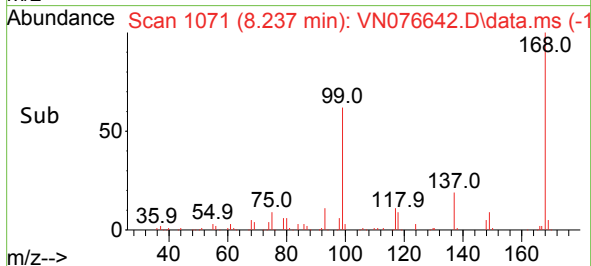
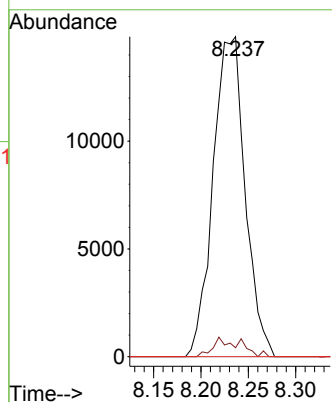
Tgt Ion:117 Resp: 34916

Ion Ratio Lower Upper

117 100

119 2.8 75.4 113.0#

121 0.0 26.0 39.0#



#40

Benzene

Concen: 3.265 ug/l

RT: 8.613 min Scan# 1135

Delta R.T. 0.000 min

Lab File: VN076642.D

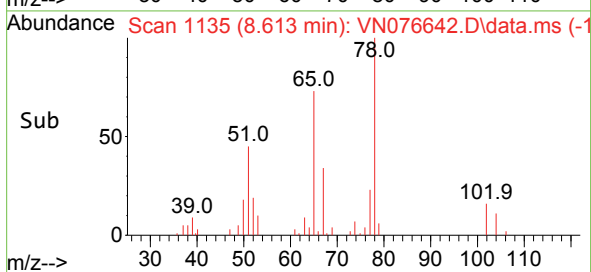
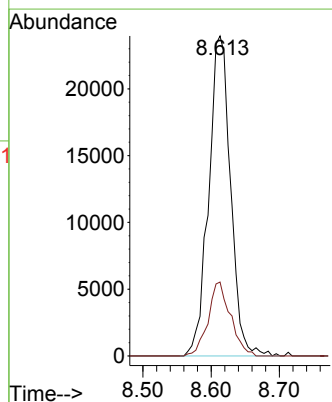
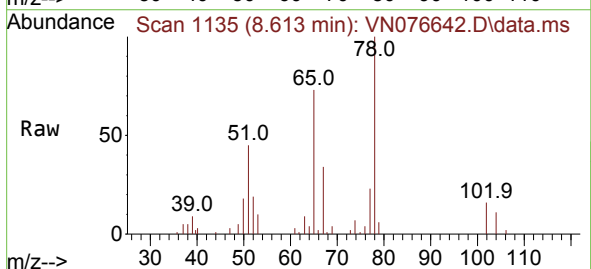
Acq: 13 Feb 2023 21:08

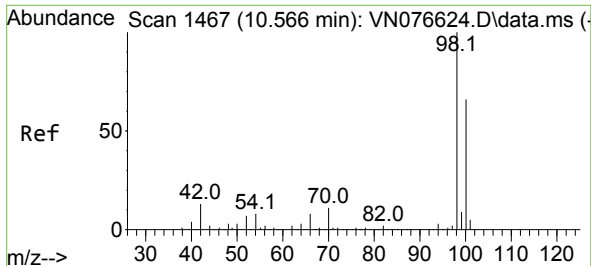
Tgt Ion: 78 Resp: 53538

Ion Ratio Lower Upper

78 100

77 23.1 18.2 27.4

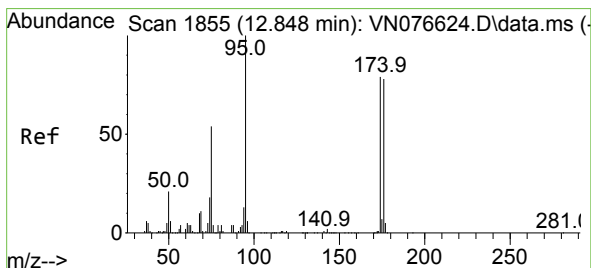
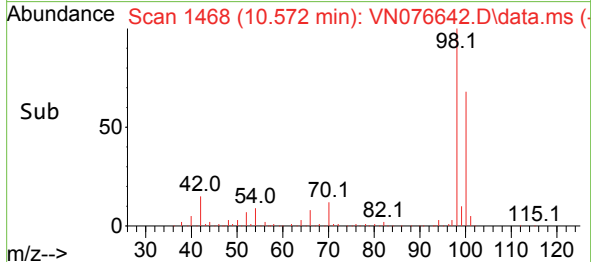
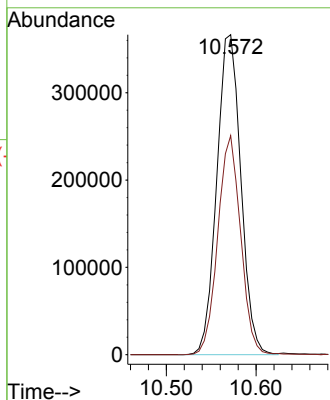
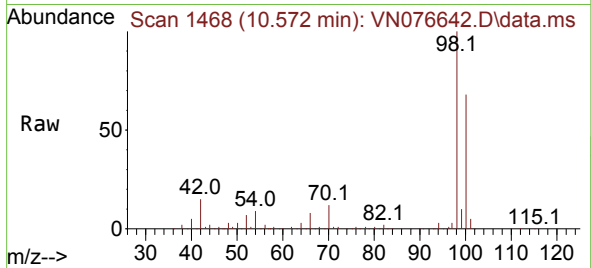




#50
Toluene-d8
Concen: 49.551 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076642.D
Acq: 13 Feb 2023 21:08

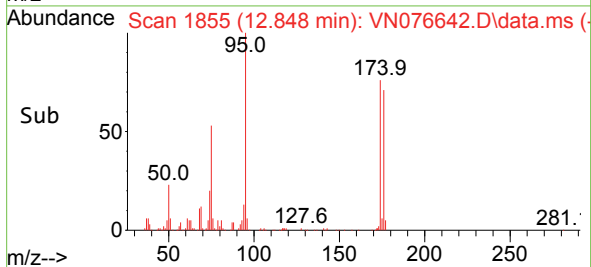
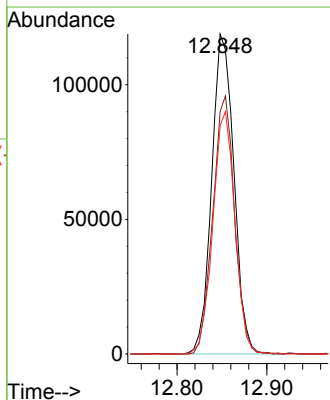
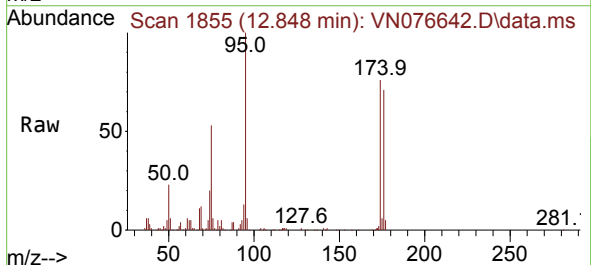
Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-021023

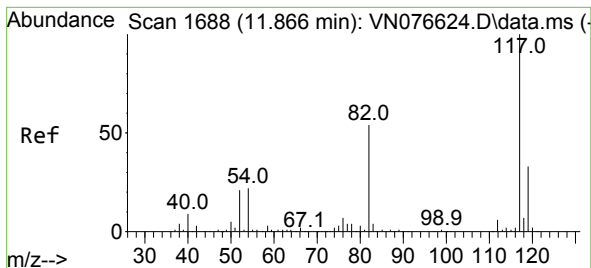
Tgt Ion: 98 Resp: 683883
Ion Ratio Lower Upper
98 100
100 64.9 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 44.579 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.000 min
Lab File: VN076642.D
Acq: 13 Feb 2023 21:08

Tgt Ion: 95 Resp: 203778
Ion Ratio Lower Upper
95 100
174 79.4 0.0 169.2
176 75.2 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.866 min Scan# 117

Delta R.T. 0.000 min

Lab File: VN076642.D

Acq: 13 Feb 2023 21:08

Instrument :

MSVOA_N

ClientSampleId :

OWBR-03-128-148-021023

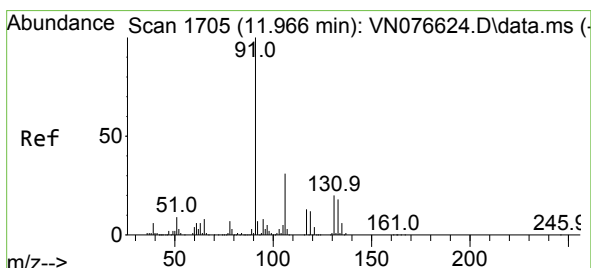
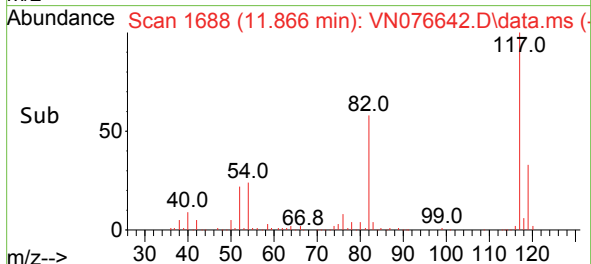
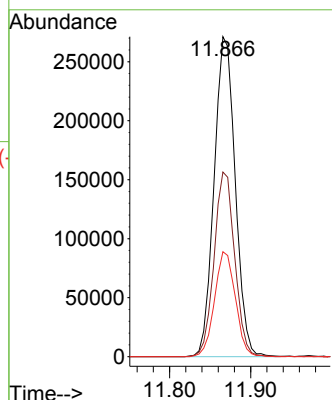
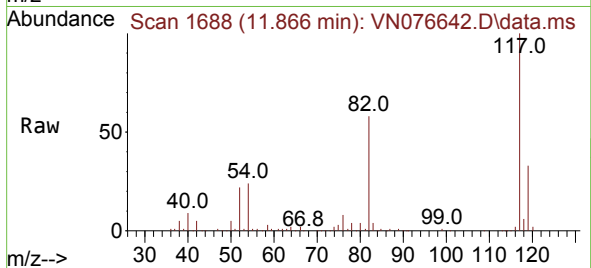
Tgt Ion:117 Resp: 491261

Ion Ratio Lower Upper

117 100

82 57.7 43.4 65.2

119 32.8 26.1 39.1



#67

Ethyl Benzene

Concen: 0.545 ug/l

RT: 11.960 min Scan# 1704

Delta R.T. -0.006 min

Lab File: VN076642.D

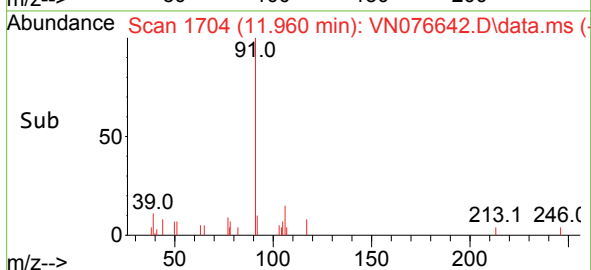
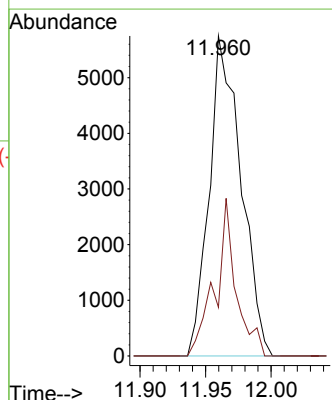
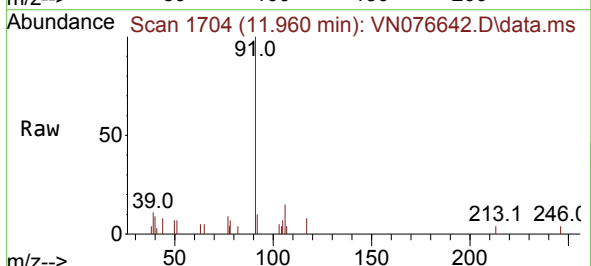
Acq: 13 Feb 2023 21:08

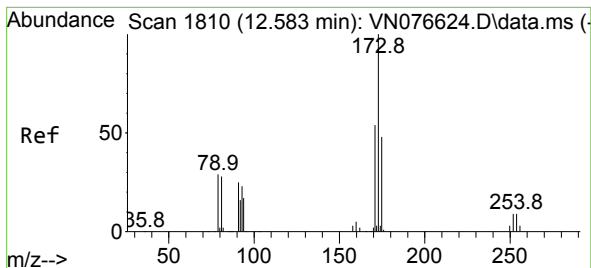
Tgt Ion: 91 Resp: 9675

Ion Ratio Lower Upper

91 100

106 15.2 25.1 37.7#





#71

Bromoform

Concen: 0.689 ug/l

RT: 12.848 min Scan# 1810

Delta R.T. 0.265 min

Lab File: VN076642.D

Acq: 13 Feb 2023 21:08

Instrument :

MSVOA_N

ClientSampleId :

OWBR-03-128-148-021023

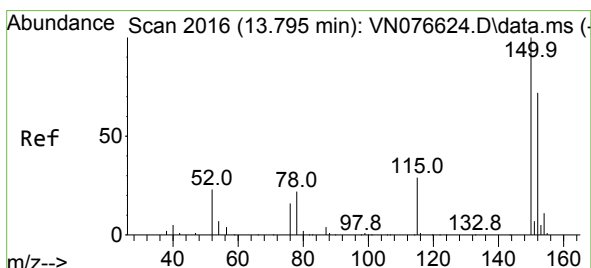
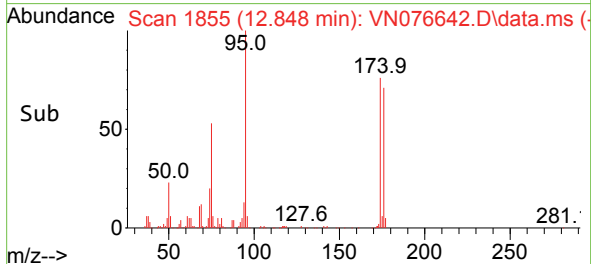
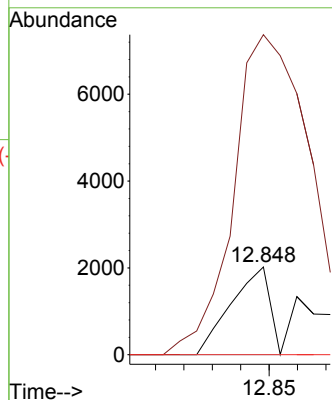
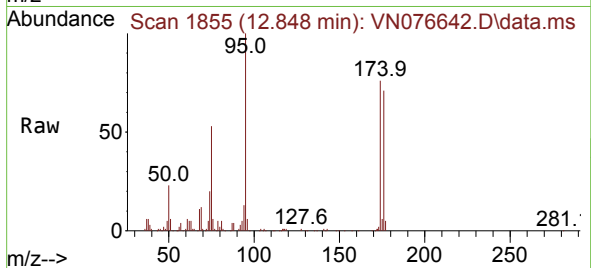
Tgt Ion:173 Resp: 1912

Ion Ratio Lower Upper

173 100

175 590.5 24.9 74.7#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN076642.D

Acq: 13 Feb 2023 21:08

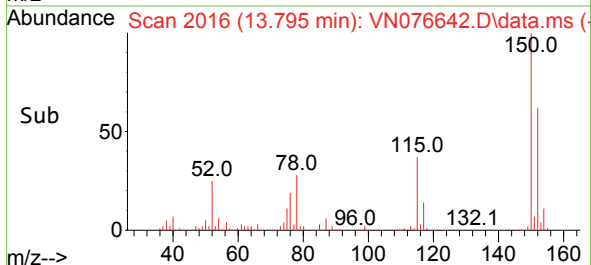
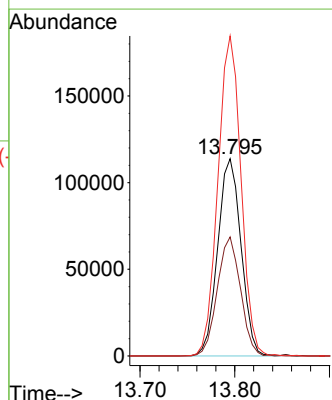
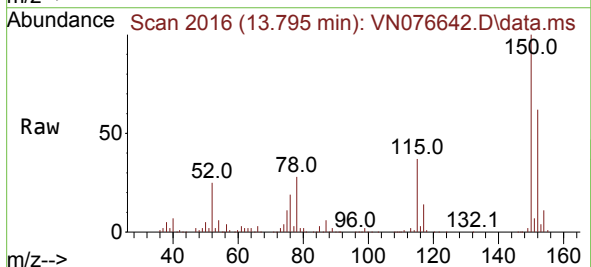
Tgt Ion:152 Resp: 195094

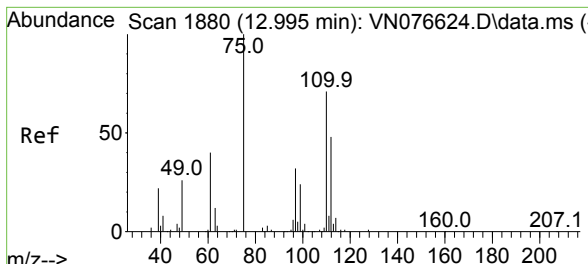
Ion Ratio Lower Upper

152 100

115 59.9 29.3 87.9

150 160.2 0.0 349.8

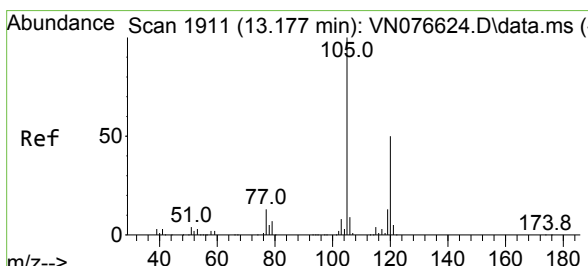
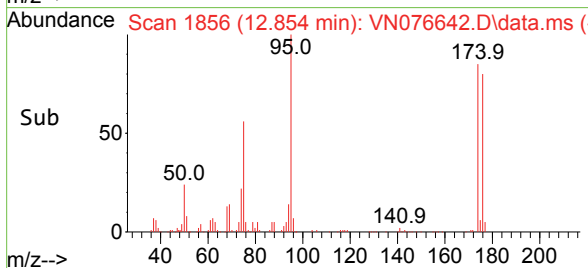
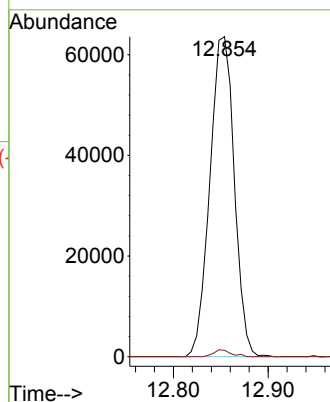
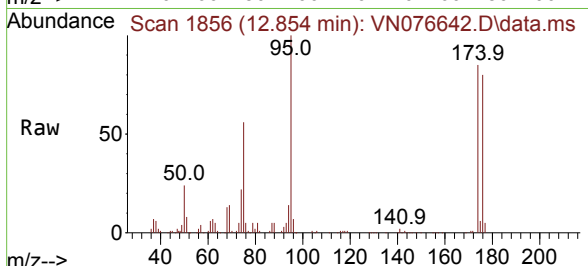




#76
1,2,3-Trichloropropane
Concen: 28.902 ug/l
RT: 12.854 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN076642.D
Acq: 13 Feb 2023 21:08

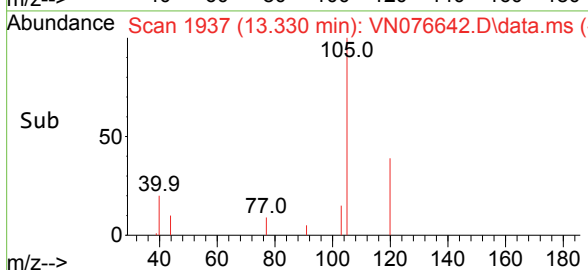
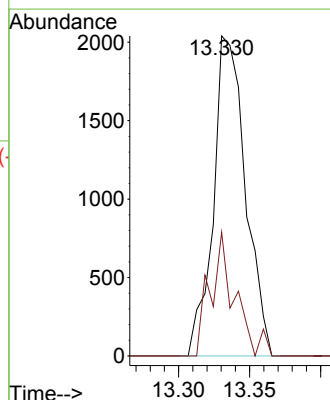
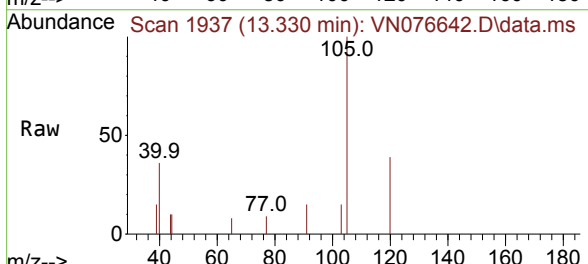
Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-021023

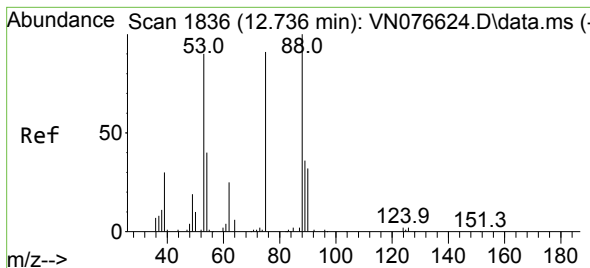
Tgt Ion: 75 Resp: 113998
Ion Ratio Lower Upper
75 100
77 1.5 93.1 279.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.271 ug/l
RT: 13.330 min Scan# 1937
Delta R.T. 0.153 min
Lab File: VN076642.D
Acq: 13 Feb 2023 21:08

Tgt Ion: 105 Resp: 3203
Ion Ratio Lower Upper
105 100
120 29.8 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 84.180 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.118 min

Lab File: VN076642.D

Acq: 13 Feb 2023 21:08

Instrument :

MSVOA_N

ClientSampleId :

OWBR-03-128-148-021023

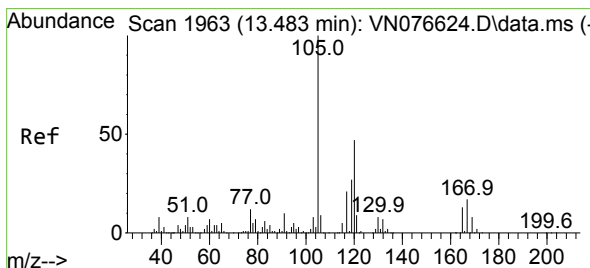
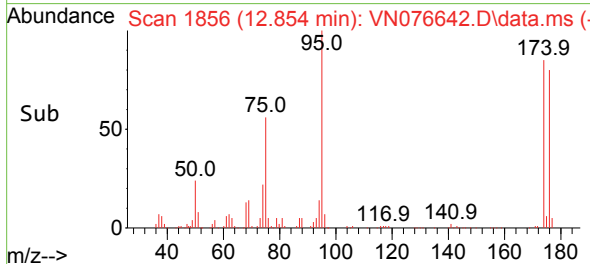
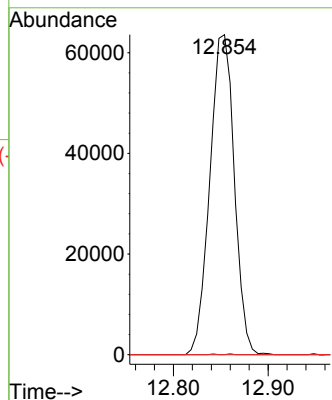
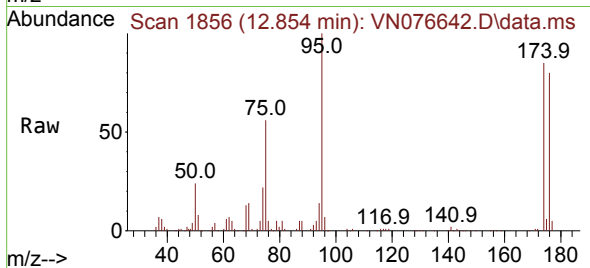
Tgt Ion: 75 Resp: 113998

Ion Ratio Lower Upper

75 100

53 0.1 92.1 138.1#

89 0.0 37.5 56.3#



#84

1,2,4-Trimethylbenzene

Concen: 0.272 ug/l

RT: 13.330 min Scan# 1937

Delta R.T. -0.153 min

Lab File: VN076642.D

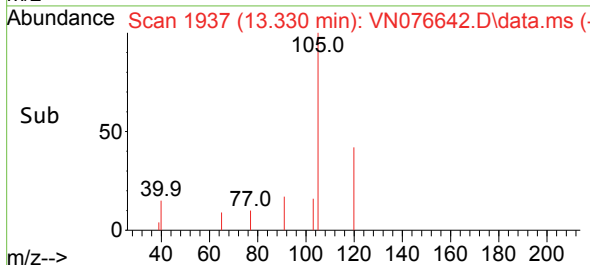
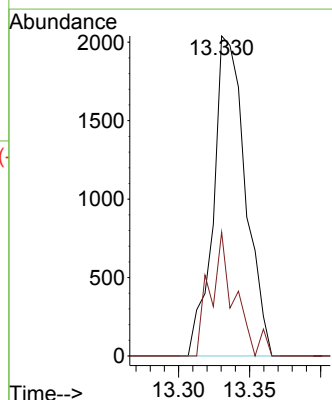
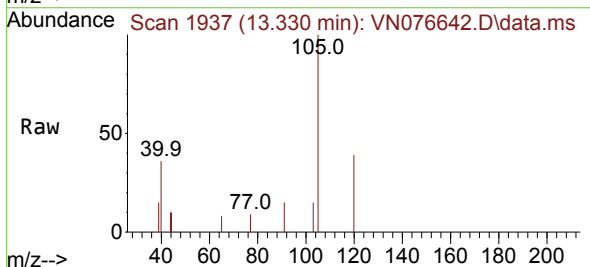
Acq: 13 Feb 2023 21:08

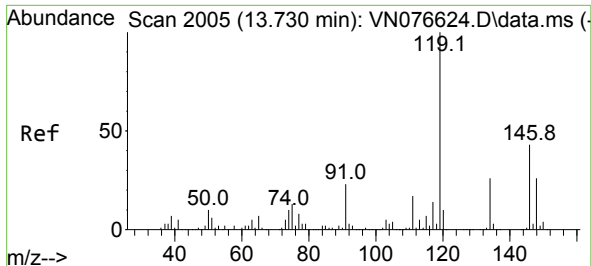
Tgt Ion: 105 Resp: 3203

Ion Ratio Lower Upper

105 100

120 29.8 23.0 69.0

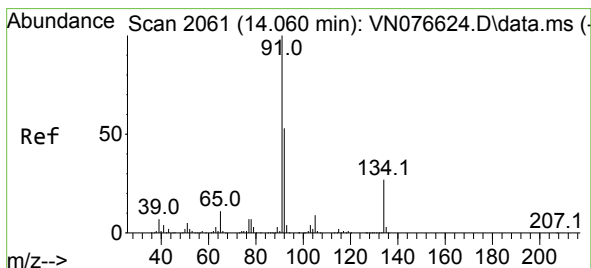
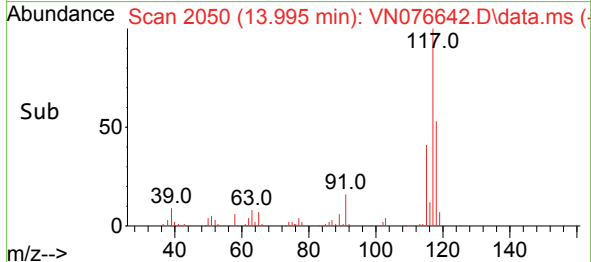
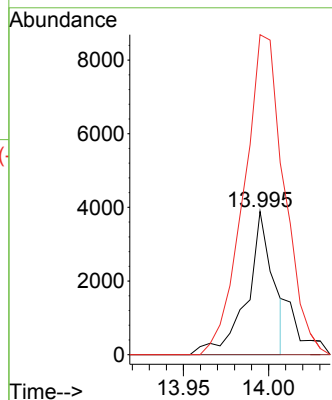
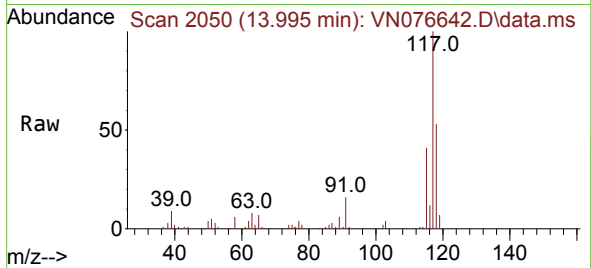




#86
p-Isopropyltoluene
Concen: 0.348 ug/l
RT: 13.995 min Scan# 2050
Delta R.T. 0.265 min
Lab File: VN076642.D
Acq: 13 Feb 2023 21:08

Instrument :
MSVOA_N
ClientSampleId :
OWBR-03-128-148-021023

Tgt Ion:119 Resp: 4145
Ion Ratio Lower Upper
119 100
134 0.0 13.4 40.1#
91 297.3 11.7 35.0#



#89
n-Butylbenzene
Concen: 1.382 ug/l
RT: 13.995 min Scan# 2050
Delta R.T. -0.065 min
Lab File: VN076642.D
Acq: 13 Feb 2023 21:08

Tgt Ion: 91 Resp: 14331
Ion Ratio Lower Upper
91 100
92 9.3 26.4 79.0#
134 0.0 13.2 39.5#

