

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011923\
 Data File : VN076323.D
 Acq On : 19 Jan 2023 15:19
 Operator : JC\MD
 Sample : 01214-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
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Quant Time: Jan 20 00:57:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	396551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	622255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	538893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	216737	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	206621	46.535	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.060%
35) Dibromofluoromethane	8.171	113	187653	48.209	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.420%
50) Toluene-d8	10.571	98	715557	49.777	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.560%
62) 4-Bromofluorobenzene	12.853	95	220353	46.955	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.900%

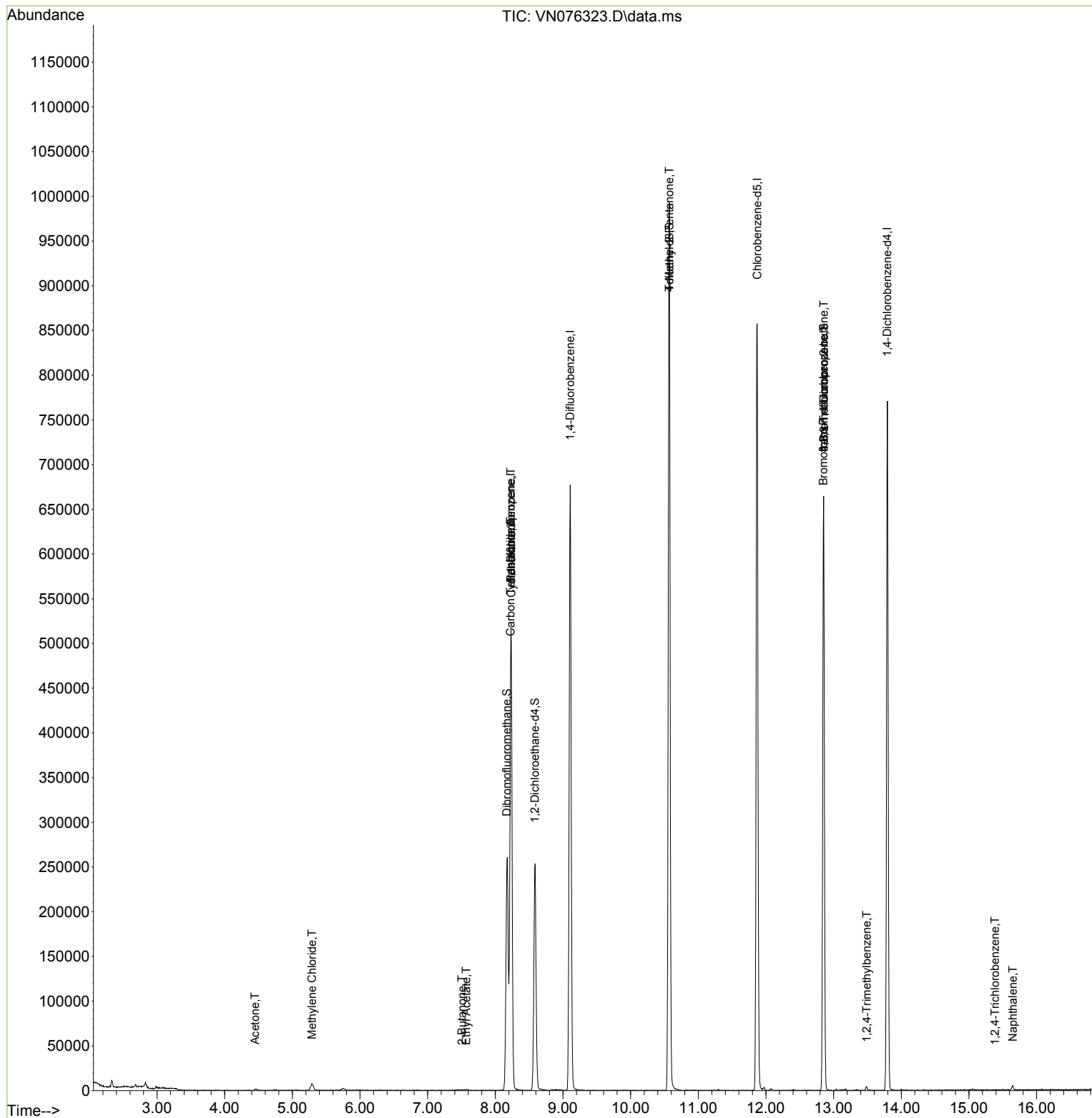
Target Compounds						Qvalue
16) Acetone	4.447	43	1543	1.011	ug/l #	87
20) Methylene Chloride	5.289	84	5735	0.768	ug/l	91
25) 2-Butanone	7.506	43	1232	0.567	ug/l #	40
31) Cyclohexane	8.235	56	8017	1.175	ug/l #	23
36) 1,1-Dichloropropene	8.230	75	28151	5.090	ug/l #	49
37) Ethyl Acetate	7.571	43	2099	0.509	ug/l #	76
38) Carbon Tetrachloride	8.224	117	39115	6.342	ug/l #	17
51) 4-Methyl-2-Pentanone	10.571	43	2956	0.698	ug/l #	1
71) Bromoform	12.847	173	1880	0.614	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	116804	29.188	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	116804	89.667	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.488	105	2964	0.210	ug/l	97
93) 1,2,4-Trichlorobenzene	15.382	180	54	1.319	ug/l #	48
95) Naphthalene	15.647	128	4957	2.263	ug/l #	89

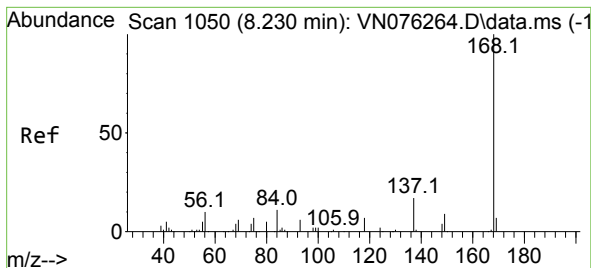
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 20 00:57:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076323.D

Acq: 19 Jan 2023 15:19

Instrument :

MSVOA_N

ClientSampleId :

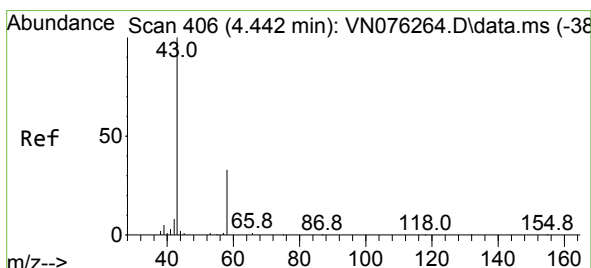
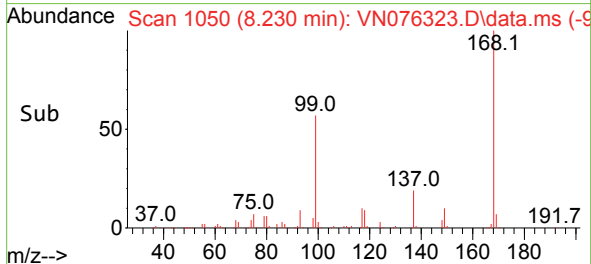
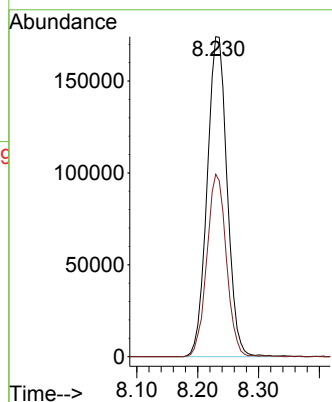
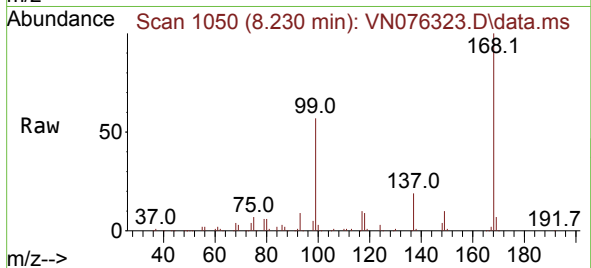
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Tgt Ion:168 Resp: 396551

Ion Ratio Lower Upper

168 100

99 57.0 41.6 62.4



#16

Acetone

Concen: 1.011 ug/l

RT: 4.447 min Scan# 407

Delta R.T. 0.005 min

Lab File: VN076323.D

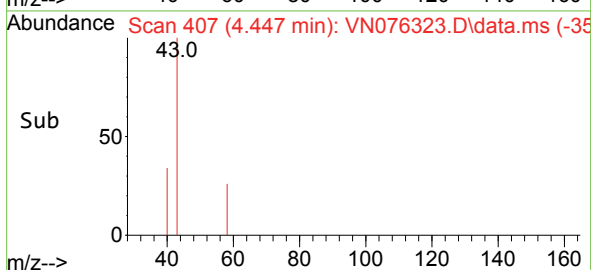
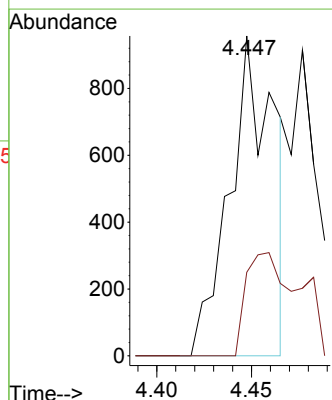
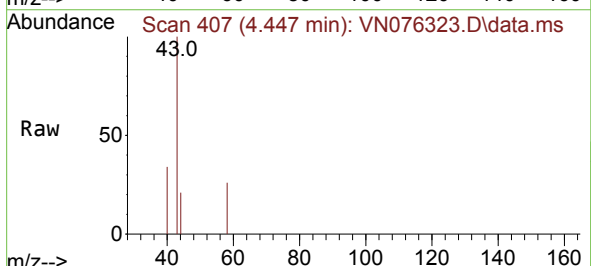
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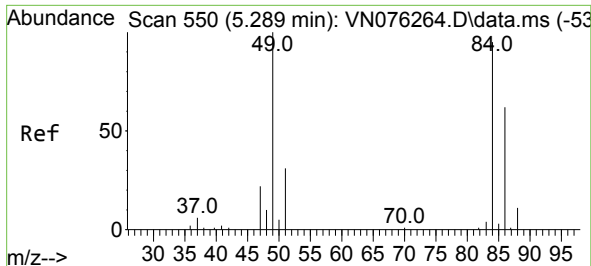
Tgt Ion: 43 Resp: 1543

Ion Ratio Lower Upper

43 100

58 26.1 26.7 40.1#

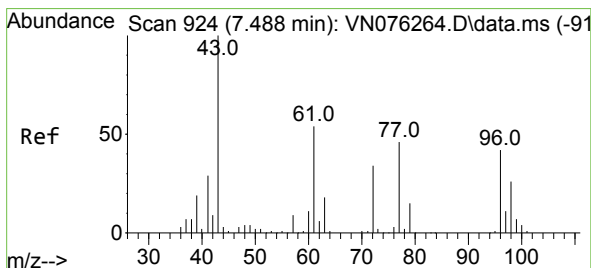
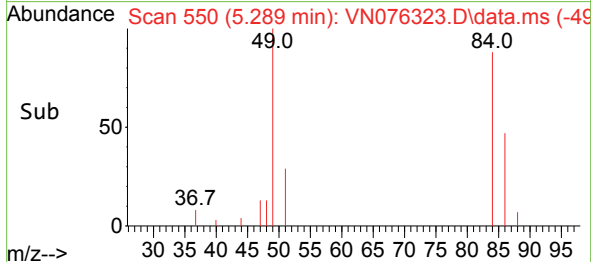
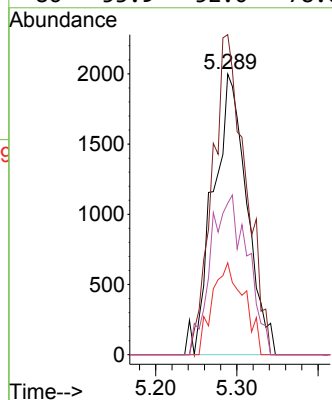
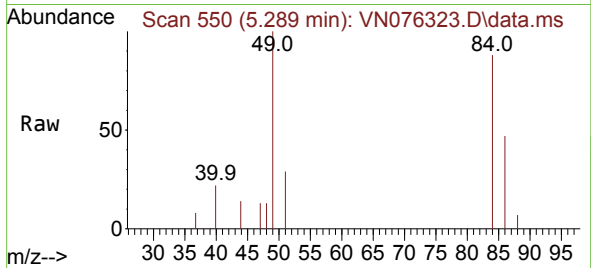




#20
Methylene Chloride
Concen: 0.768 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076323.D
Acq: 19 Jan 2023 15:19

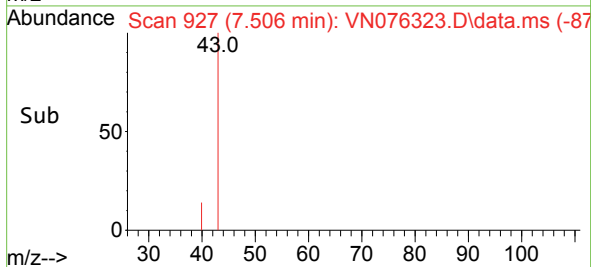
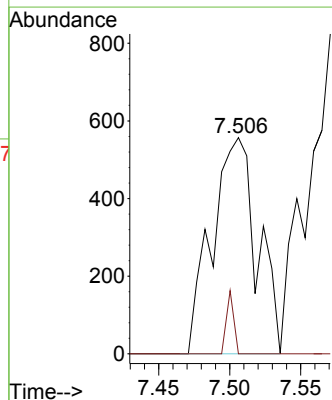
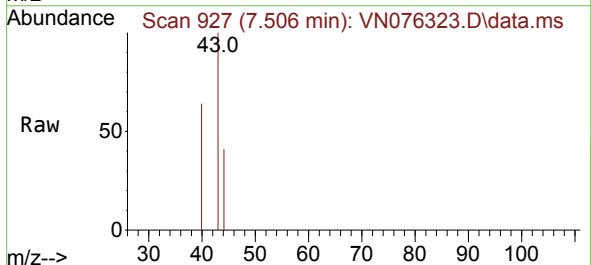
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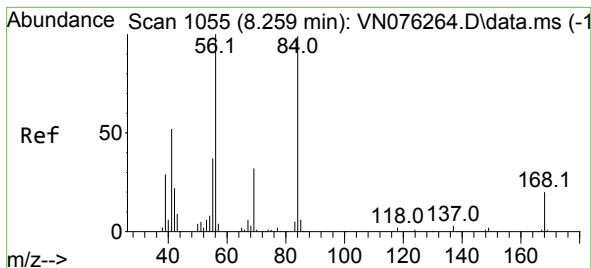
Tgt Ion: 84	Resp: 5735
Ion Ratio	Lower Upper
84 100	
49 114.0	84.5 126.7
51 32.7	26.0 39.0
86 53.9	52.0 78.0



#25
2-Butanone
Concen: 0.567 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN076323.D
Acq: 19 Jan 2023 15:19

Tgt Ion: 43	Resp: 1232
Ion Ratio	Lower Upper
43 100	
72 0.0	27.4 41.2#





#31

Cyclohexane

Concen: 1.175 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.024 min

Lab File: VN076323.D

Acq: 19 Jan 2023 15:19

Instrument :

MSVOA_N

ClientSampleId :

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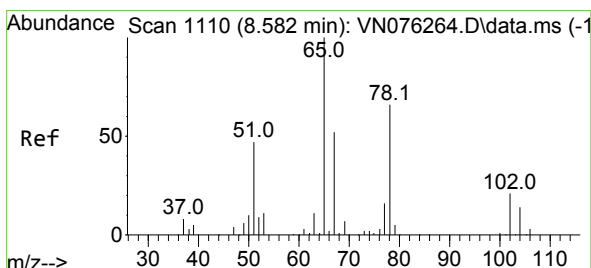
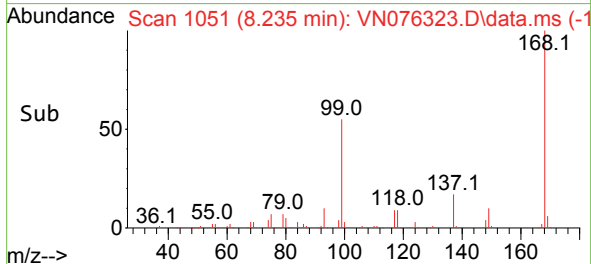
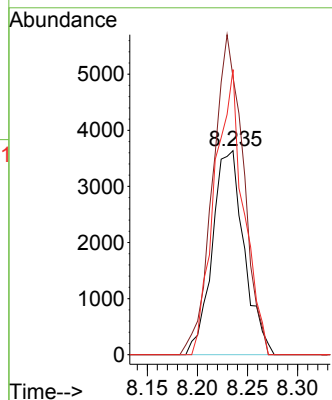
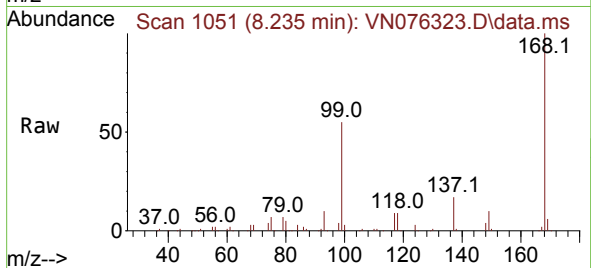
Tgt Ion: 56 Resp: 8017

Ion Ratio Lower Upper

56 100

69 136.0 25.8 38.8#

84 139.8 79.0 118.4#



#33

1,2-Dichloroethane-d4

Concen: 46.535 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076323.D

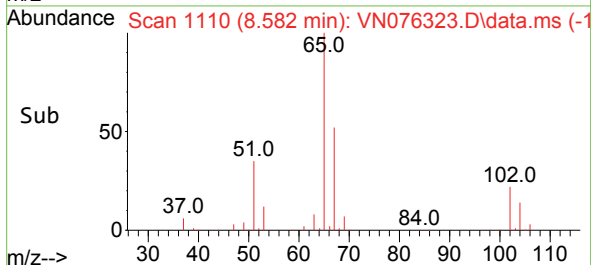
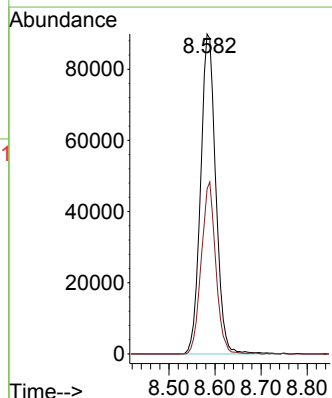
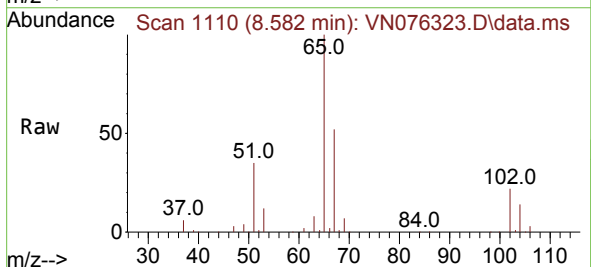
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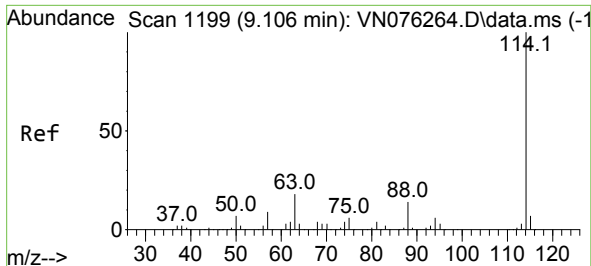
Tgt Ion: 65 Resp: 206621

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.6

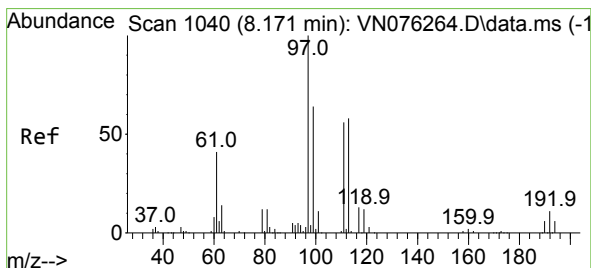
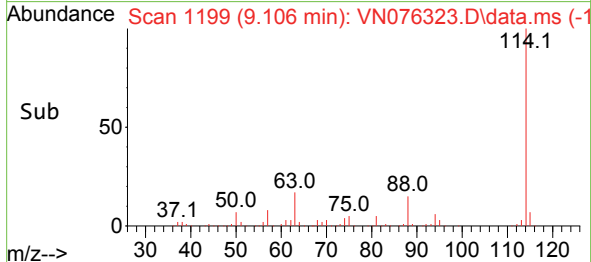
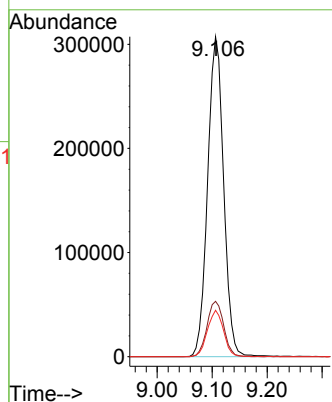
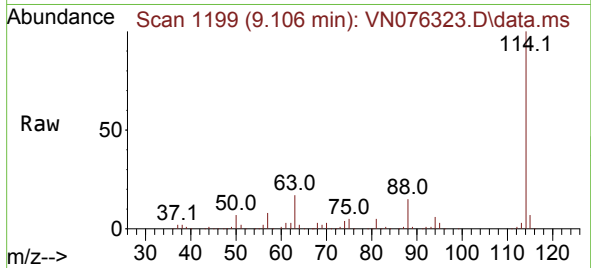




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076323.D
Acq: 19 Jan 2023 15:19

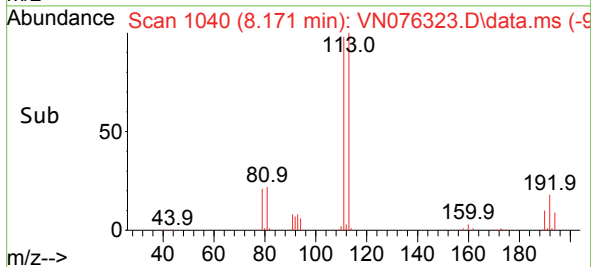
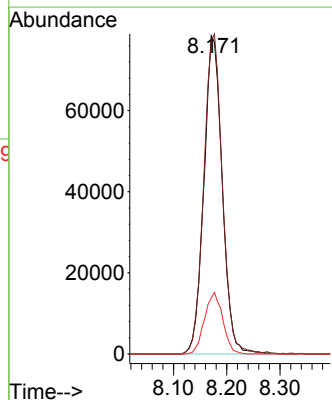
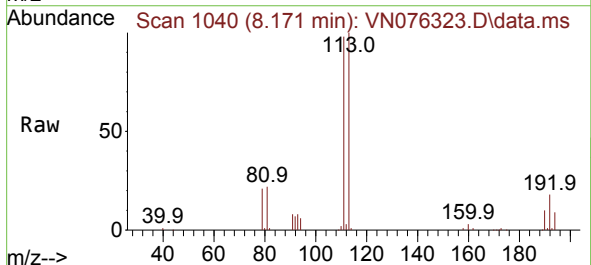
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MSVOA_N
ClientSampleId :
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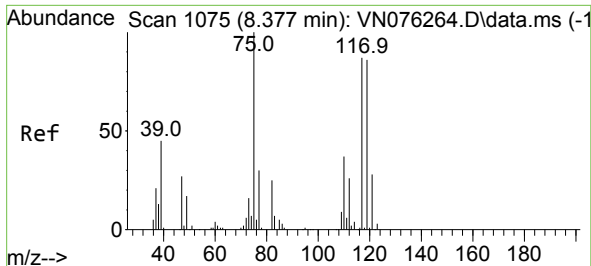
Tgt Ion:114 Resp: 622255
Ion Ratio Lower Upper
114 100
63 17.3 0.0 35.8
88 14.5 0.0 28.0



#35
Dibromofluoromethane
Concen: 48.209 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076323.D
Acq: 19 Jan 2023 15:19

Tgt Ion:113 Resp: 187653
Ion Ratio Lower Upper
113 100
111 101.6 82.7 124.1
192 19.2 15.6 23.4

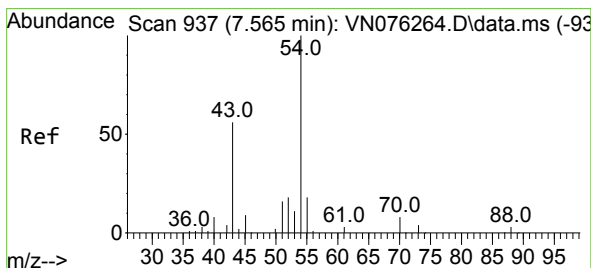
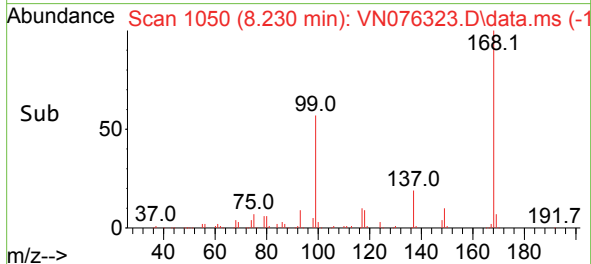
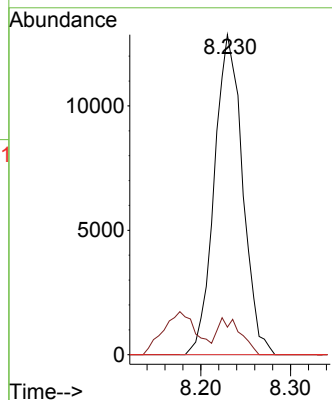
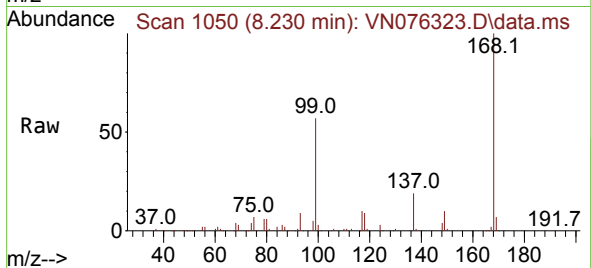




#36
1,1-Dichloropropene
Concen: 5.090 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.147 min
Lab File: VN076323.D
Acq: 19 Jan 2023 15:19

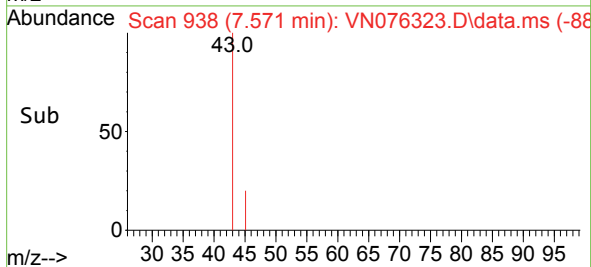
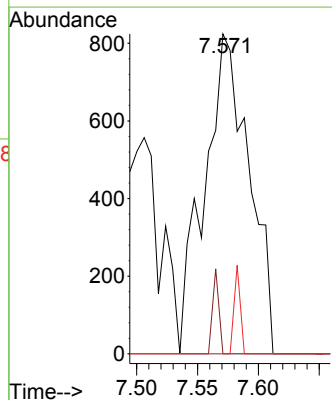
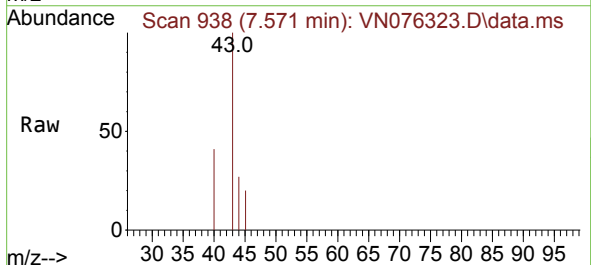
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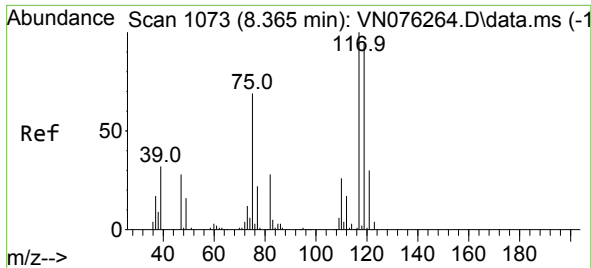
Tgt Ion: 75 Resp: 28151
Ion Ratio Lower Upper
75 100
110 9.4 18.8 56.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.509 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN076323.D
Acq: 19 Jan 2023 15:19

Tgt Ion: 43 Resp: 2099
Ion Ratio Lower Upper
43 100
61 3.7 11.1 16.7#
70 3.8 10.0 15.0#

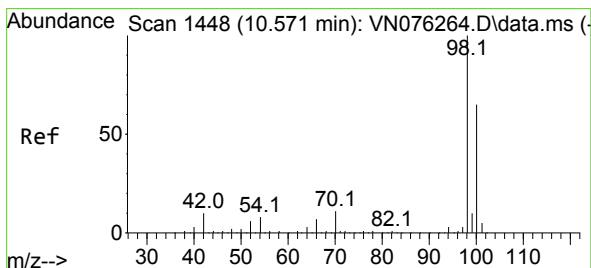
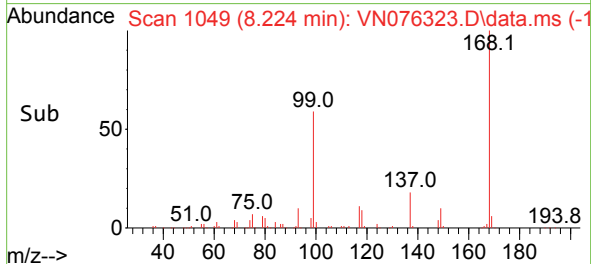
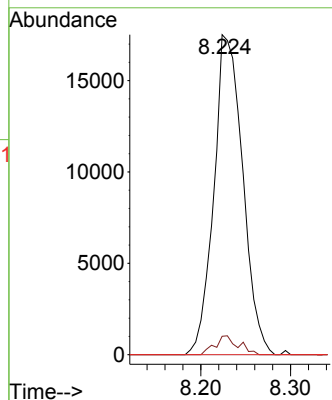
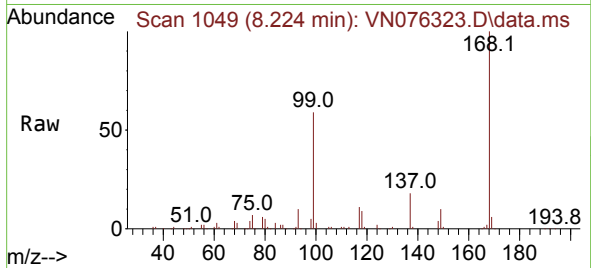




#38
Carbon Tetrachloride
Concen: 6.342 ug/l
RT: 8.224 min Scan# 1073
Delta R.T. -0.141 min
Lab File: VN076323.D
Acq: 19 Jan 2023 15:19

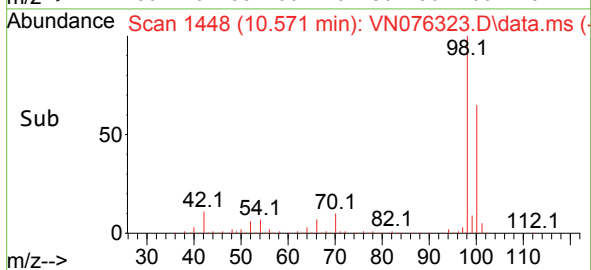
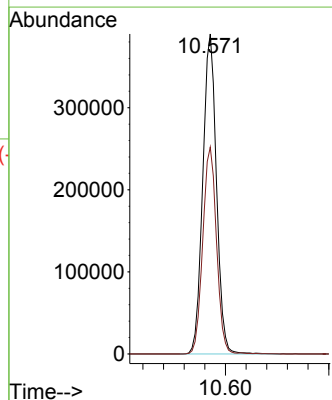
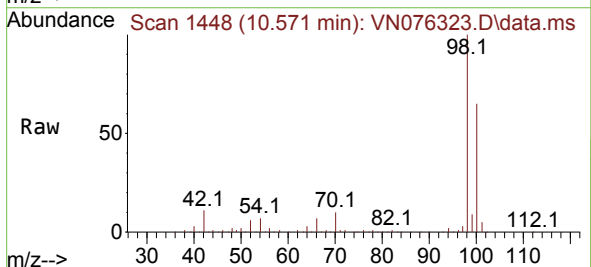
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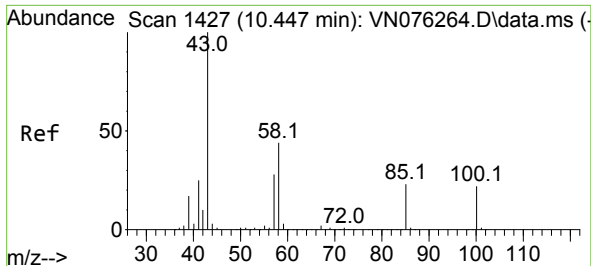
Tgt Ion:117 Resp: 39115
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.777 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076323.D
Acq: 19 Jan 2023 15:19

Tgt Ion: 98 Resp: 715557
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4

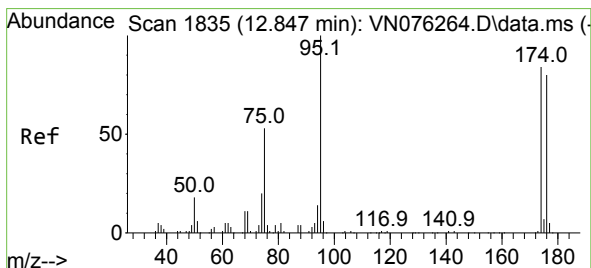
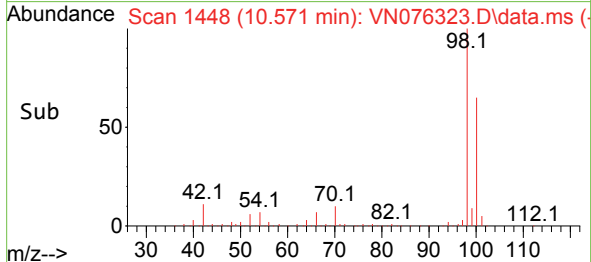
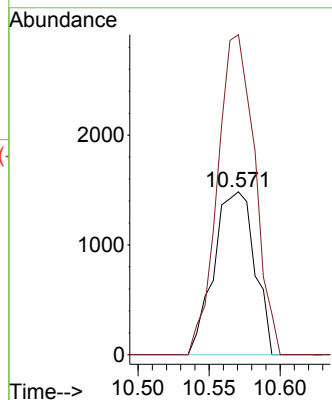
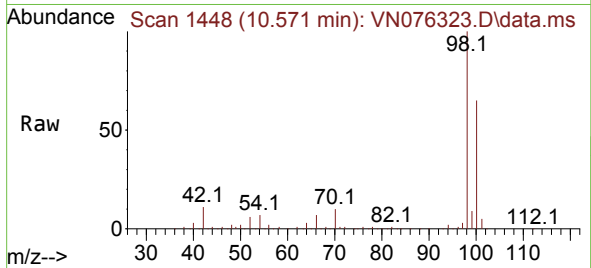




#51
4-Methyl-2-Pentanone
Concen: 0.698 ug/l
RT: 10.571 min Scan# 1427
Delta R.T. 0.124 min
Lab File: VN076323.D
Acq: 19 Jan 2023 15:19

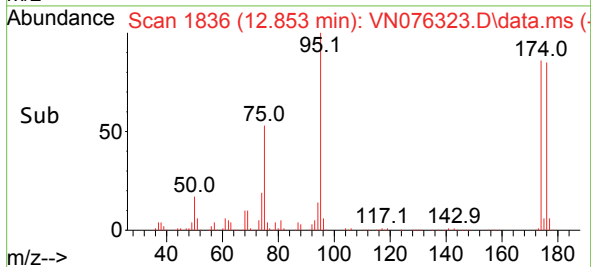
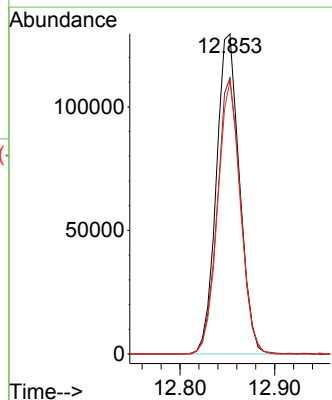
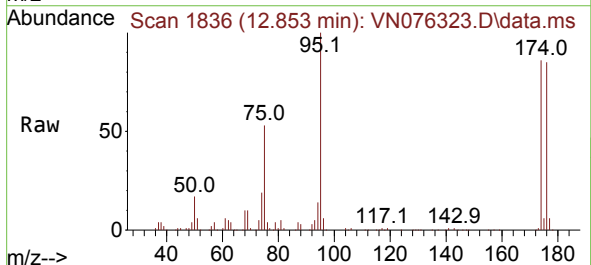
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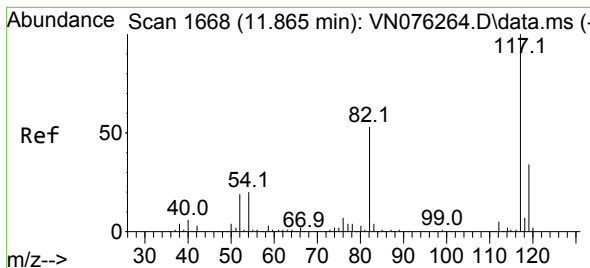
Tgt Ion: 43 Resp: 2956
Ion Ratio Lower Upper
43 100
58 179.5 35.1 52.7#



#62
4-Bromofluorobenzene
Concen: 46.955 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076323.D
Acq: 19 Jan 2023 15:19

Tgt Ion: 95 Resp: 220353
Ion Ratio Lower Upper
95 100
174 86.5 0.0 174.6
176 83.7 0.0 167.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076323.D

Acq: 19 Jan 2023 15:19

Instrument :

MSVOA_N

ClientSampleId :

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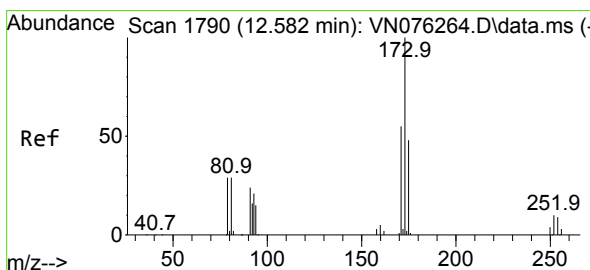
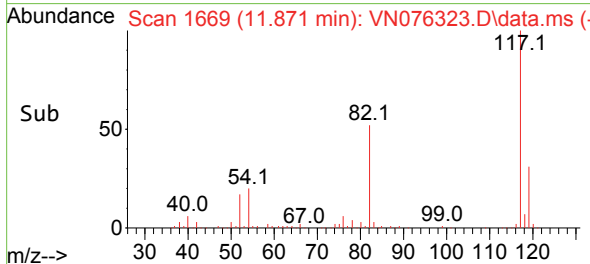
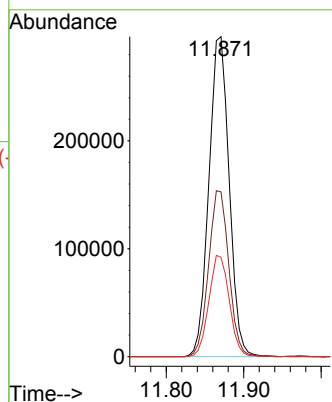
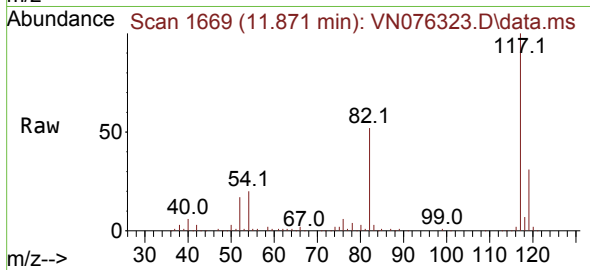
Tgt Ion:117 Resp: 538893

Ion Ratio Lower Upper

117 100

82 51.5 42.2 63.2

119 31.1 26.9 40.3



#71

Bromoform

Concen: 0.614 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. 0.265 min

Lab File: VN076323.D

Acq: 19 Jan 2023 15:19

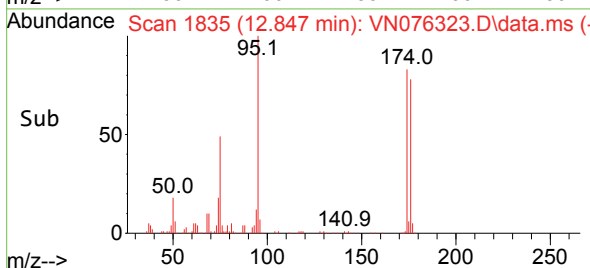
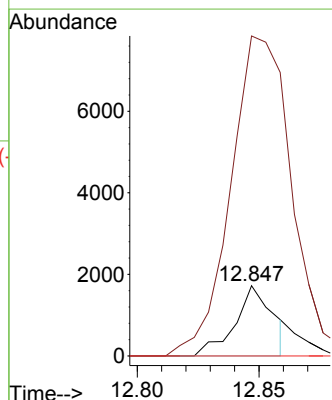
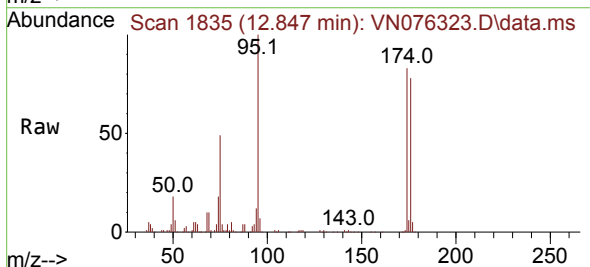
Tgt Ion:173 Resp: 1880

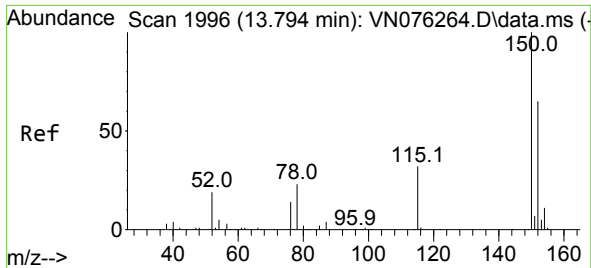
Ion Ratio Lower Upper

173 100

175 608.0 24.1 72.4#

254 0.0 0.0 0.0

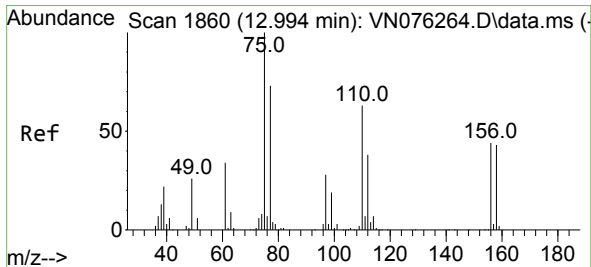
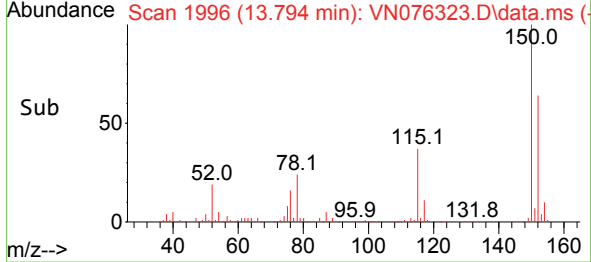
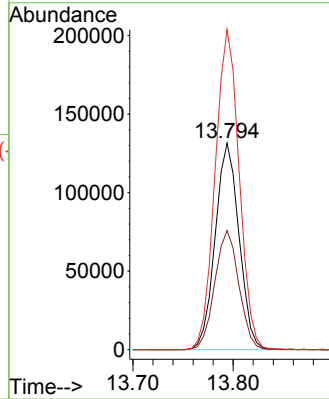
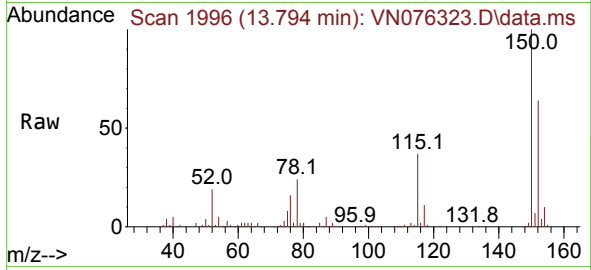




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN076323.D
 Acq: 19 Jan 2023 15:19

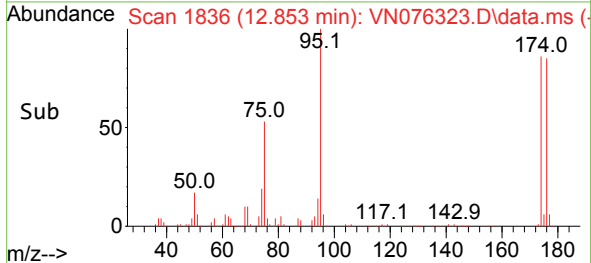
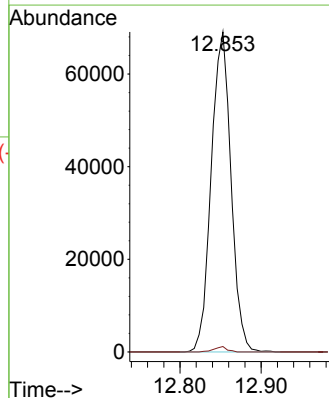
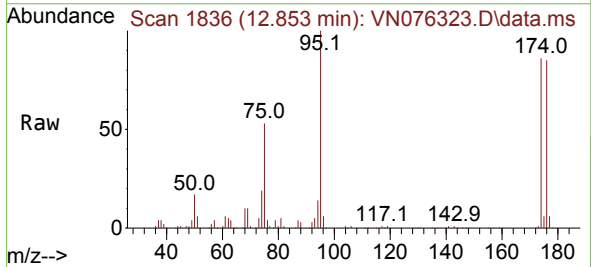
Instrument :
 MSVOA_N
 ClientSampleId :
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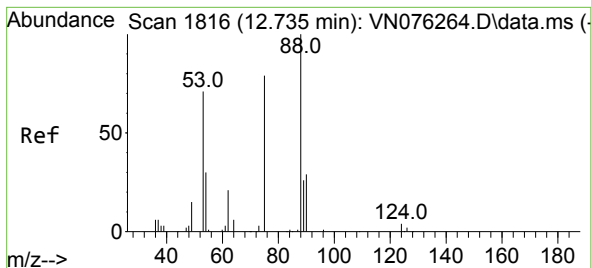
Tgt Ion:152 Resp: 216737
 Ion Ratio Lower Upper
 152 100
 115 58.5 29.6 88.9
 150 156.3 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 29.188 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN076323.D
 Acq: 19 Jan 2023 15:19

Tgt Ion: 75 Resp: 116804
 Ion Ratio Lower Upper
 75 100
 77 1.1 75.2 225.6#

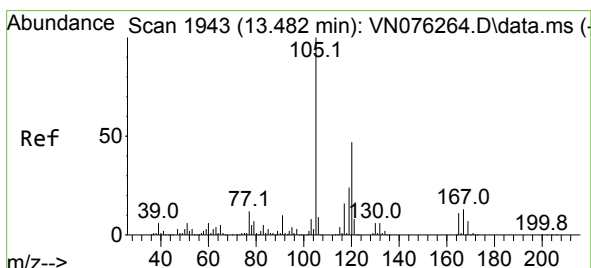
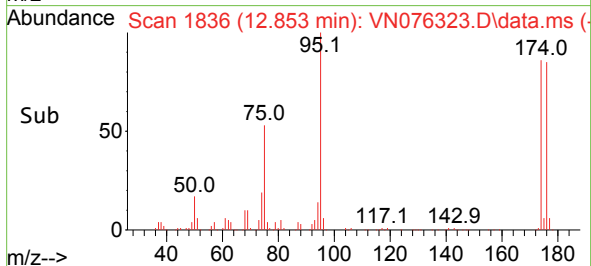
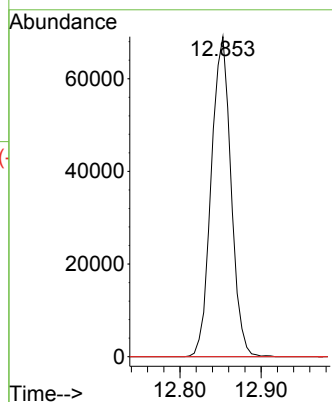
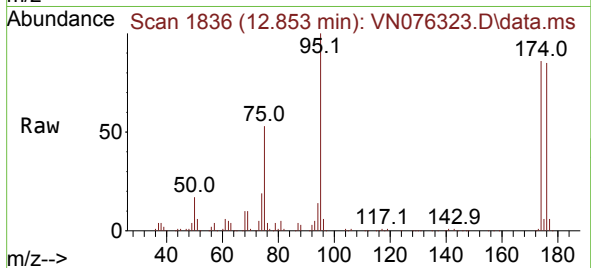




#81
trans-1,4-Dichloro-2-butene
Concen: 89.667 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076323.D
Acq: 19 Jan 2023 15:19

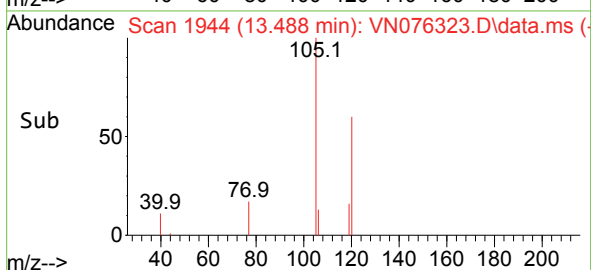
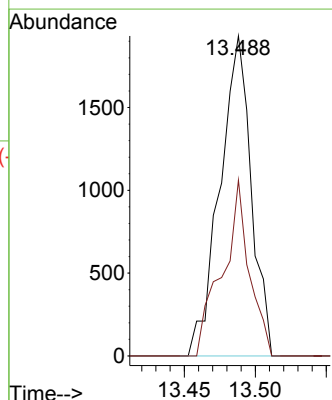
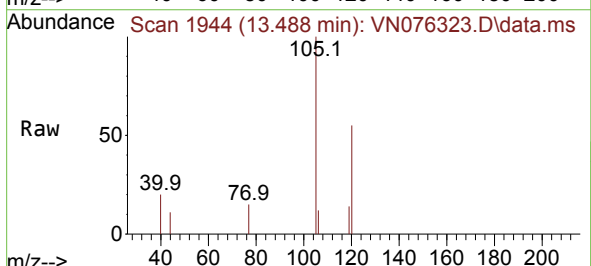
Instrument :
MSVOA_N
ClientSampleId :
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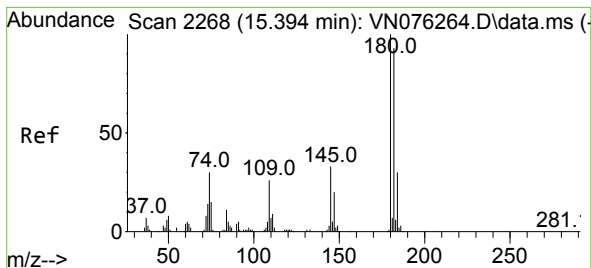
Tgt Ion: 75 Resp: 116804
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.210 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN076323.D
Acq: 19 Jan 2023 15:19

Tgt Ion: 105 Resp: 2964
Ion Ratio Lower Upper
105 100
120 47.4 22.9 68.5





#93

1,2,4-Trichlorobenzene

Concen: 1.319 ug/l

RT: 15.382 min Scan# 21

Delta R.T. -0.012 min

Lab File: VN076323.D

Acq: 19 Jan 2023 15:19

Instrument :

MSVOA_N

ClientSampleId :

FIELD-BLANK

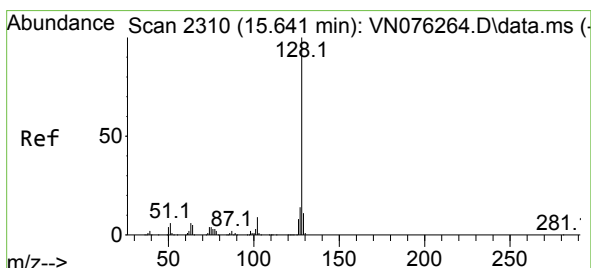
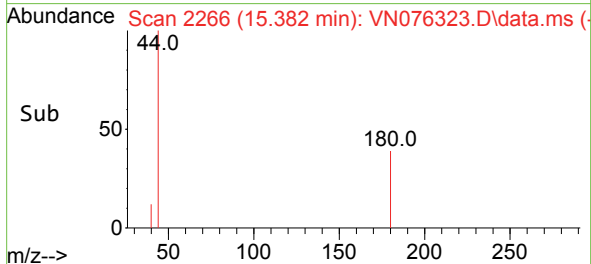
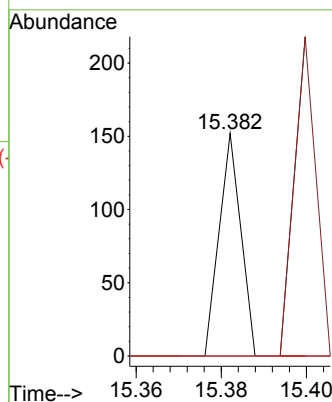
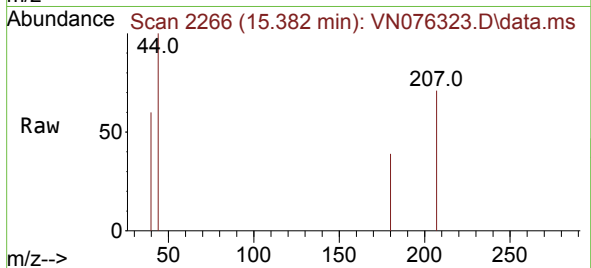
Tgt Ion:180 Resp: 54

Ion Ratio Lower Upper

180 100

182 142.6 47.0 141.2#

145 0.0 15.2 45.5#



#95

Naphthalene

Concen: 2.263 ug/l

RT: 15.647 min Scan# 2311

Delta R.T. 0.006 min

Lab File: VN076323.D

Acq: 19 Jan 2023 15:19

Tgt Ion:128 Resp: 4957

Ion Ratio Lower Upper

128 100

127 7.0 10.3 15.5#

129 8.6 8.6 13.0#

