

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021323\
 Data File : VN076634.D
 Acq On : 13 Feb 2023 17:55
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Feb 14 05:25:12 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)

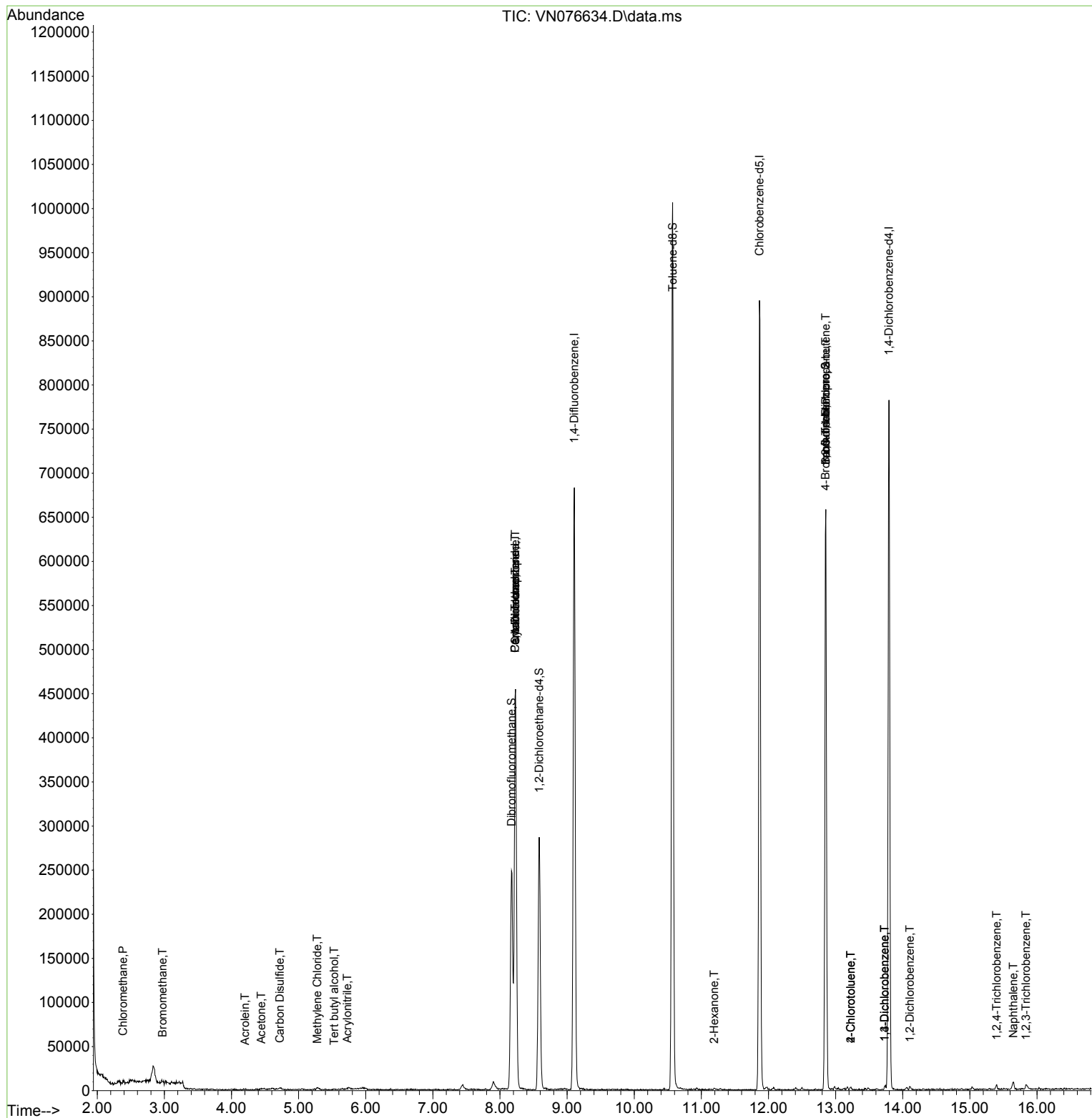
Internal Standards						
1) Pentafluorobenzene	8.225	168	331823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	576171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	511497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	204330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	218991	47.794	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.580%		
35) Dibromofluoromethane	8.172	113	179359	47.534	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.060%		
50) Toluene-d8	10.572	98	687703	48.803	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.600%		
62) 4-Bromofluorobenzene	12.848	95	214993	46.066	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.140%		
Target Compounds					Qvalue	
3) Chloromethane	2.384	50	1063	0.231	ug/l	92
5) Bromomethane	2.972	94	1364	0.498	ug/l #	66
11) Tert butyl alcohol	5.531	59	274	0.453	ug/l #	71
13) Acrolein	4.201	56	746	0.822	ug/l #	39
15) Acrylonitrile	5.725	53	650	0.303	ug/l #	37
16) Acetone	4.443	43	734	0.359	ug/l #	30
17) Carbon Disulfide	4.719	76	2353	0.260	ug/l #	73
20) Methylene Chloride	5.278	84	1041	0.243	ug/l #	65
31) Cyclohexane	8.231	56	8362	1.163	ug/l #	27
36) 1,1-Dichloropropene	8.231	75	29032	5.325	ug/l #	50
38) Carbon Tetrachloride	8.225	117	33756	6.138	ug/l #	16
59) 2-Hexanone	11.189	43	1758	0.411	ug/l #	54
71) Bromoform	12.854	173	2033	0.704	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	118839	28.768	ug/l #	1
79) 2-Chlorotoluene	13.224	91	2270	0.211	ug/l	71
81) trans-1,4-Dichloro-2-b...	12.854	75	118839	83.788	ug/l #	4
82) 4-Chlorotoluene	13.224	91	2270	0.211	ug/l	71
87) 1,3-Dichlorobenzene	13.730	146	1701	0.241	ug/l	97
88) 1,4-Dichlorobenzene	13.730	146	1701	0.242	ug/l	98
91) 1,2-Dichlorobenzene	14.107	146	1548	0.214	ug/l	87
93) 1,2,4-Trichlorobenzene	15.401	180	1639	0.454	ug/l #	84
95) Naphthalene	15.648	128	7215	0.658	ug/l	97
96) 1,2,3-Trichlorobenzene	15.836	180	2260	0.646	ug/l	95

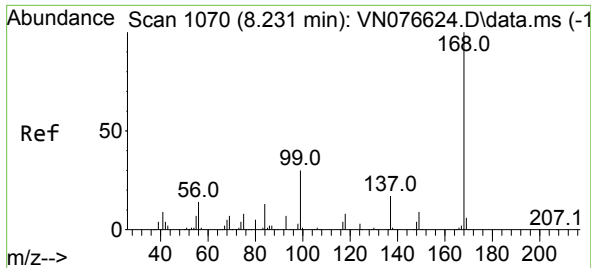
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021323\
Data File : VN076634.D
Acq On : 13 Feb 2023 17:55
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: Feb 14 05:25:12 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

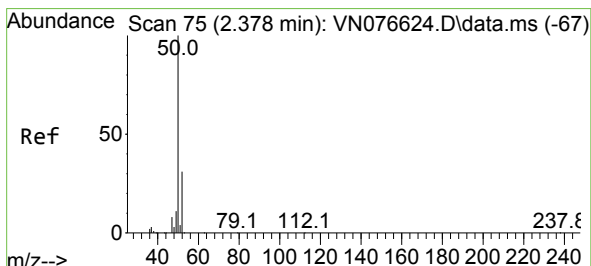
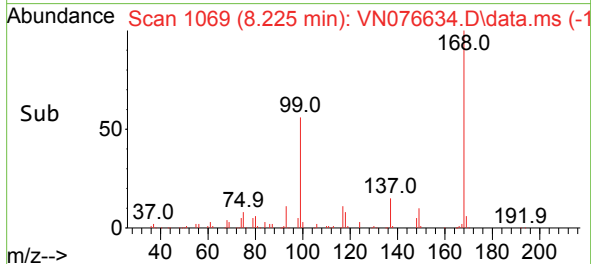
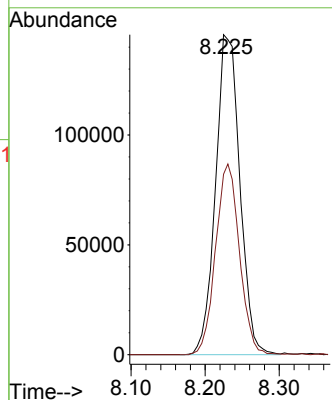
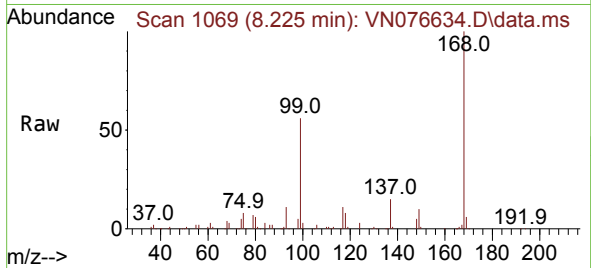




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VN076634.D
Acq: 13 Feb 2023 17:55

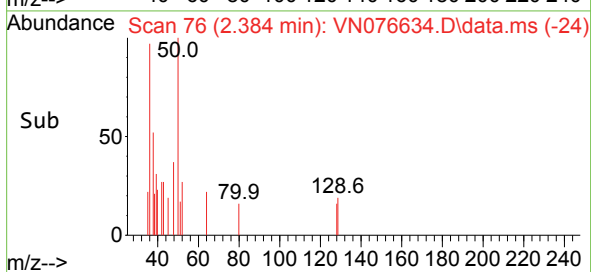
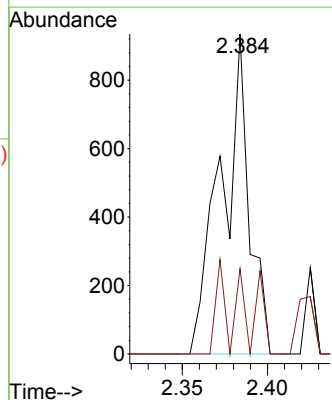
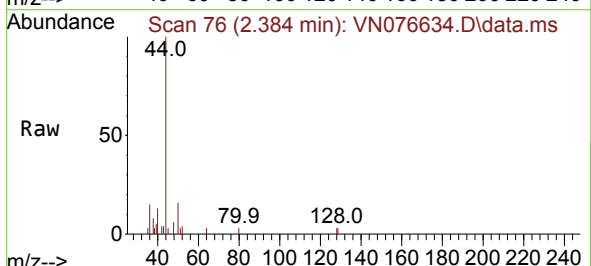
Instrument :
MSVOA_N
ClientSampleId :
IBLK

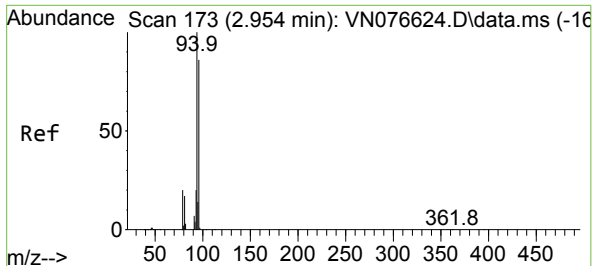
Tgt Ion:168 Resp: 331823
Ion Ratio Lower Upper
168 100
99 56.4 44.8 67.2



#3
Chloromethane
Concen: 0.231 ug/l
RT: 2.384 min Scan# 76
Delta R.T. 0.006 min
Lab File: VN076634.D
Acq: 13 Feb 2023 17:55

Tgt Ion: 50 Resp: 1063
Ion Ratio Lower Upper
50 100
52 26.6 24.7 37.1

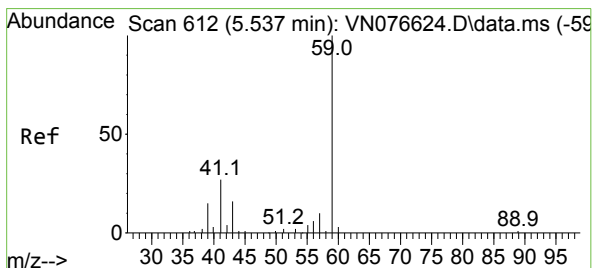
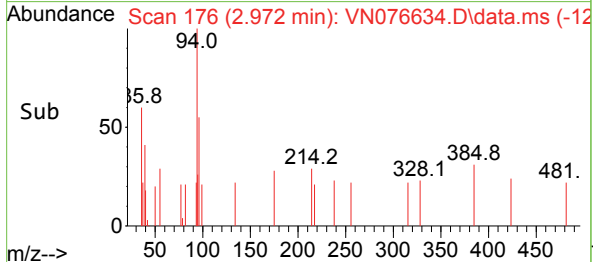
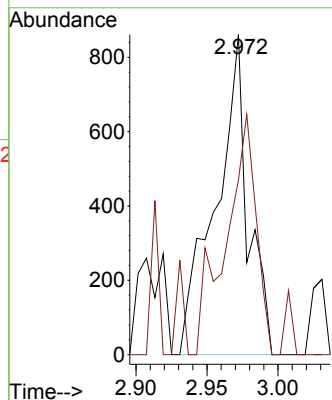
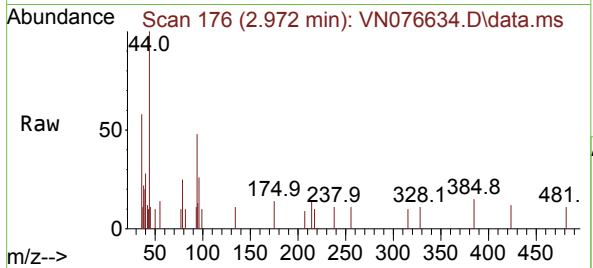




#5
Bromomethane
Concen: 0.498 ug/l
RT: 2.972 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN076634.D
Acq: 13 Feb 2023 17:55

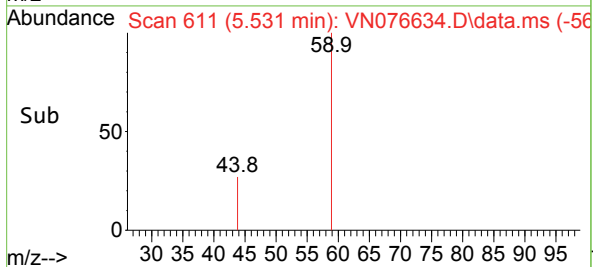
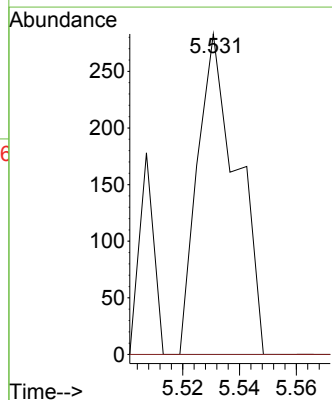
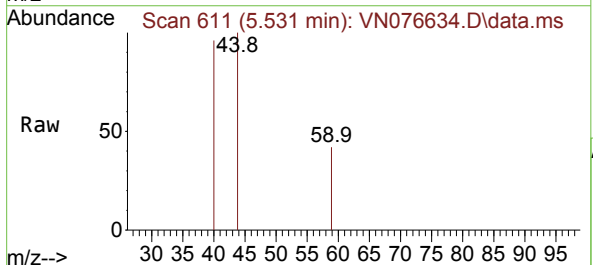
Instrument :
MSVOA_N
ClientSampleId :
IBLK

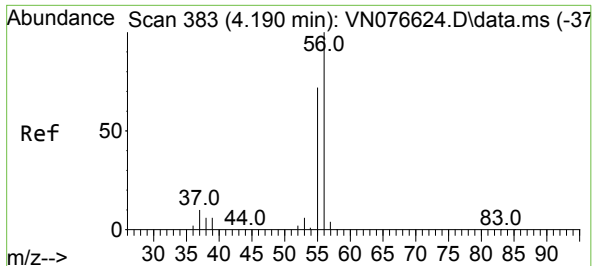
Tgt Ion: 94 Resp: 1364
Ion Ratio Lower Upper
94 100
96 54.6 69.0 103.4#



#11
Tert butyl alcohol
Concen: 0.453 ug/l
RT: 5.531 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN076634.D
Acq: 13 Feb 2023 17:55

Tgt Ion: 59 Resp: 274
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#13

Acrolein

Concen: 0.822 ug/l

RT: 4.201 min Scan# 385

Delta R.T. 0.012 min

Lab File: VN076634.D

Acq: 13 Feb 2023 17:55

Instrument :

MSVOA_N

ClientSampleId :

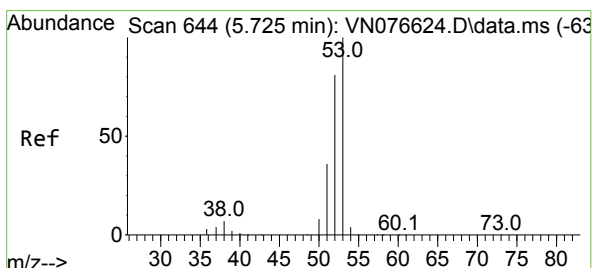
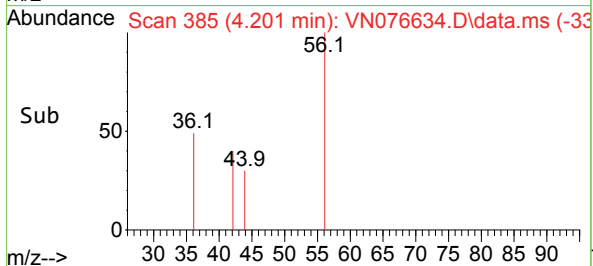
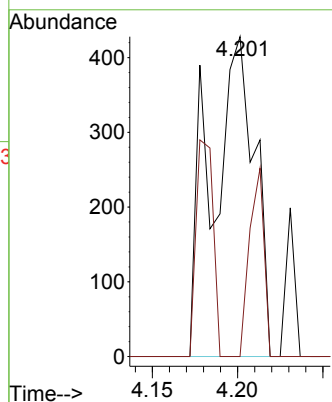
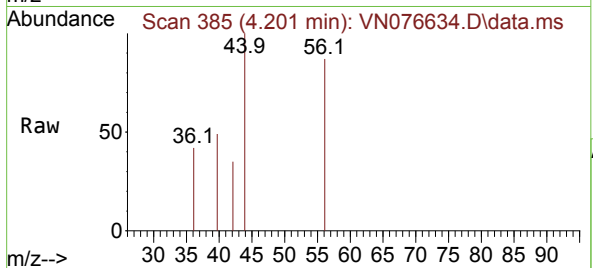
IBLK

Tgt Ion: 56 Resp: 746

Ion Ratio Lower Upper

56 100

55 20.1 56.3 84.5#



#15

Acrylonitrile

Concen: 0.303 ug/l

RT: 5.725 min Scan# 644

Delta R.T. -0.000 min

Lab File: VN076634.D

Acq: 13 Feb 2023 17:55

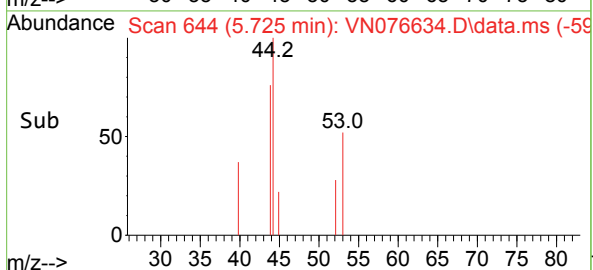
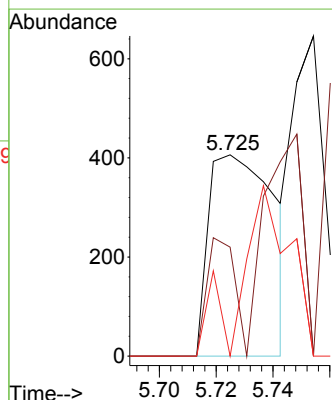
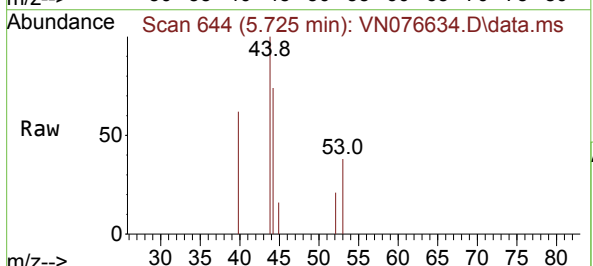
Tgt Ion: 53 Resp: 650

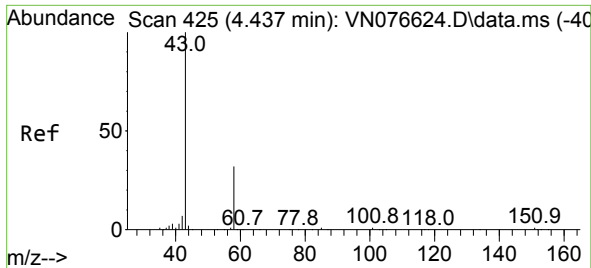
Ion Ratio Lower Upper

53 100

52 24.9 65.3 97.9#

51 0.0 29.2 43.8#

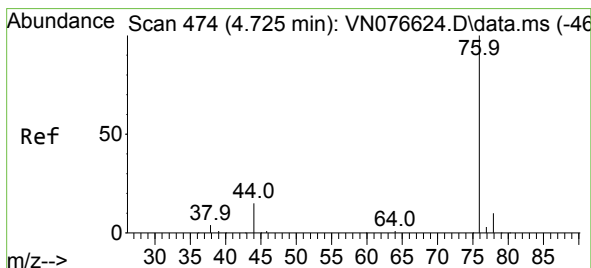
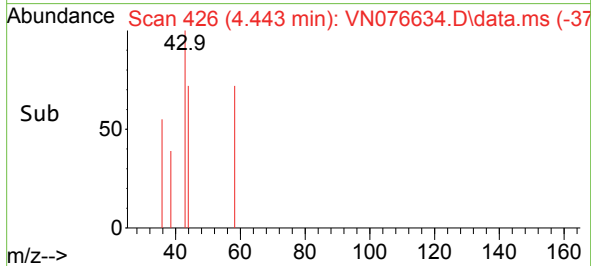
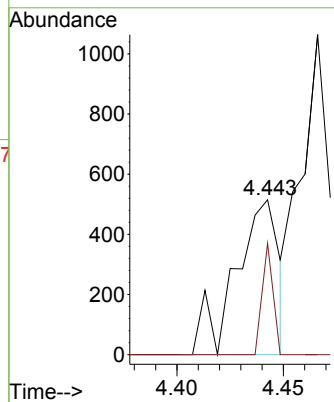
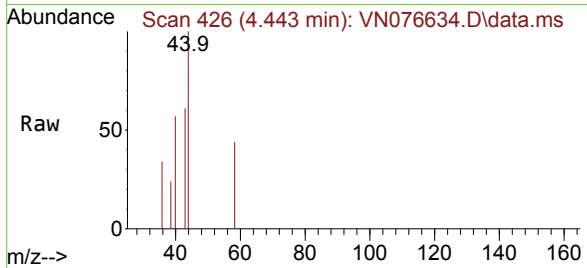




#16
Acetone
Concen: 0.359 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN076634.D
Acq: 13 Feb 2023 17:55

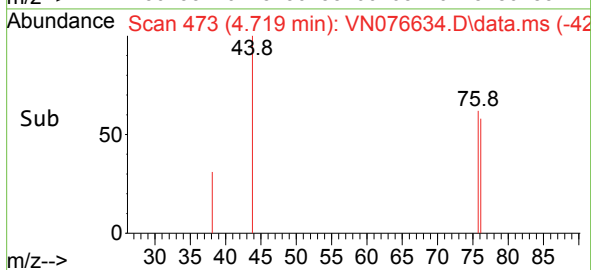
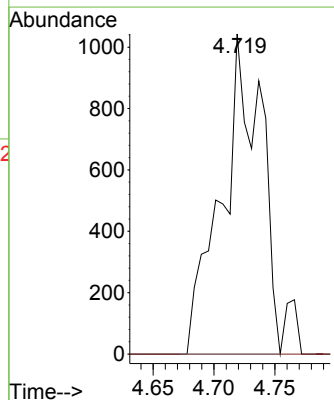
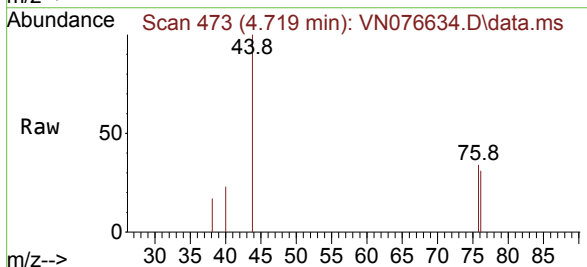
Instrument :
MSVOA_N
ClientSampleId :
IBLK

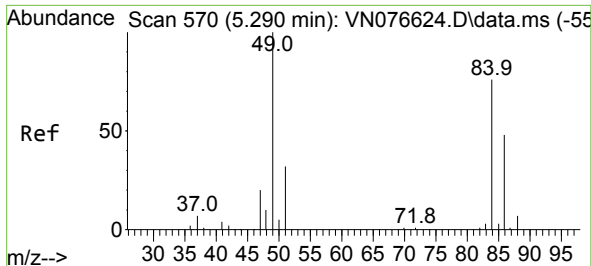
Tgt Ion: 43 Resp: 734
Ion Ratio Lower Upper
43 100
58 71.8 25.9 38.9#



#17
Carbon Disulfide
Concen: 0.260 ug/l
RT: 4.719 min Scan# 473
Delta R.T. -0.006 min
Lab File: VN076634.D
Acq: 13 Feb 2023 17:55

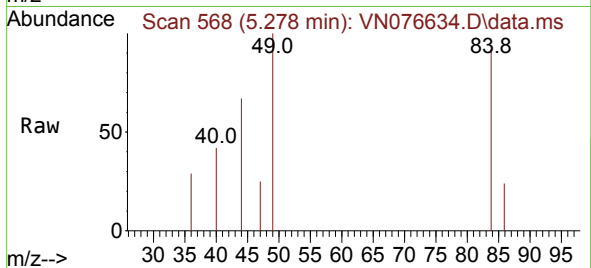
Tgt Ion: 76 Resp: 2353
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#



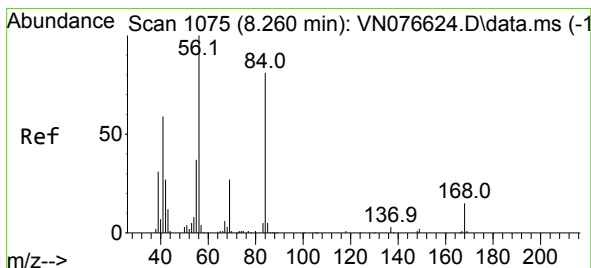
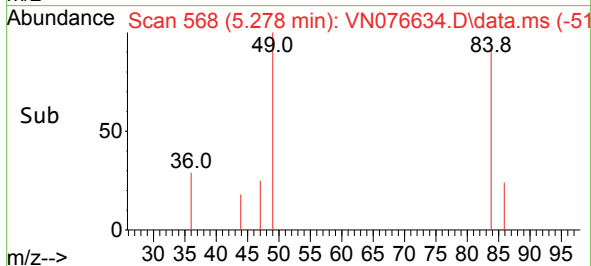
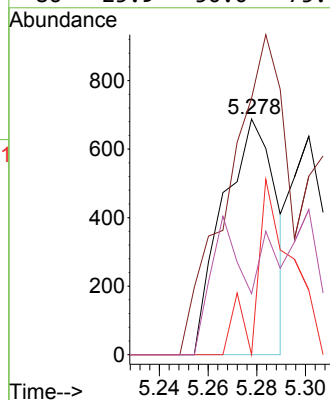


#20
Methylene Chloride
Concen: 0.243 ug/l
RT: 5.278 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN076634.D
Acq: 13 Feb 2023 17:55

Instrument :
MSVOA_N
ClientSampleId :
IBLK

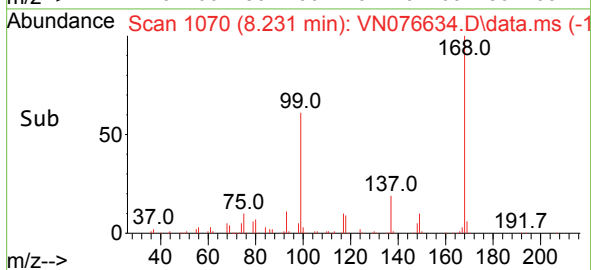
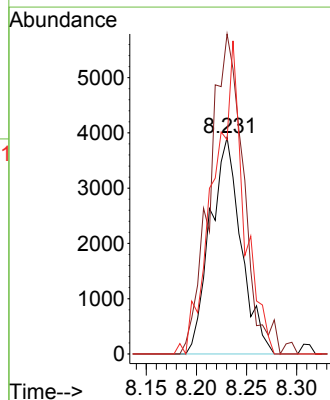
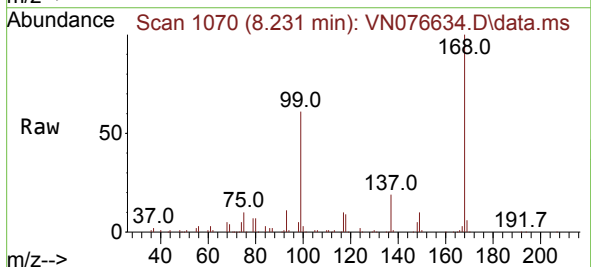


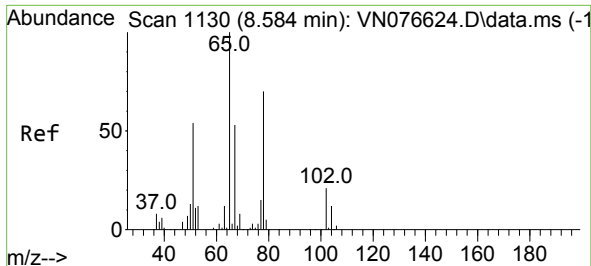
Tgt Ion:	84	Resp:	1041
Ion	Ratio	Lower	Upper
84	100		
49	108.7	104.9	157.3
51	0.0	33.8	50.8#
86	25.9	50.0	75.0#



#31
Cyclohexane
Concen: 1.163 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN076634.D
Acq: 13 Feb 2023 17:55

Tgt Ion:	56	Resp:	8362
Ion	Ratio	Lower	Upper
56	100		
69	147.8	21.6	32.4#
84	99.0	65.1	97.7#





#33

1,2-Dichloroethane-d4

Concen: 47.794 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN076634.D

Acq: 13 Feb 2023 17:55

Instrument :

MSVOA_N

ClientSampleId :

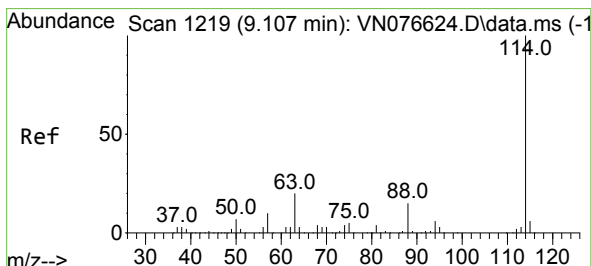
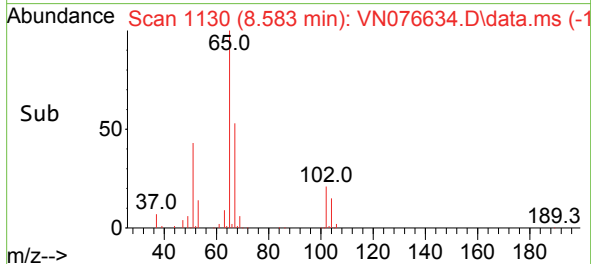
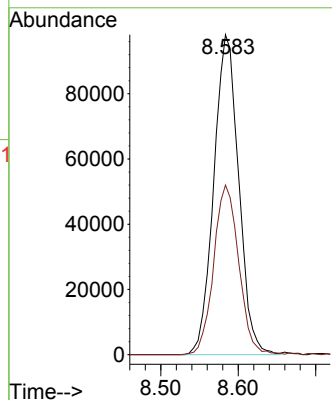
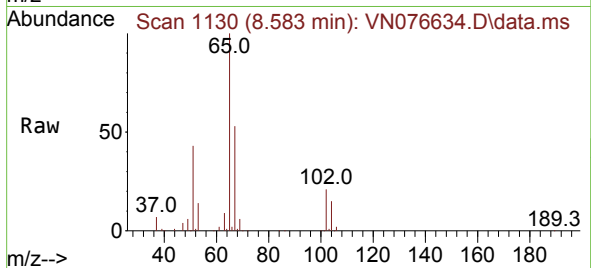
IBLK

Tgt Ion: 65 Resp: 218991

Ion Ratio Lower Upper

65 100

67 53.4 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: VN076634.D

Acq: 13 Feb 2023 17:55

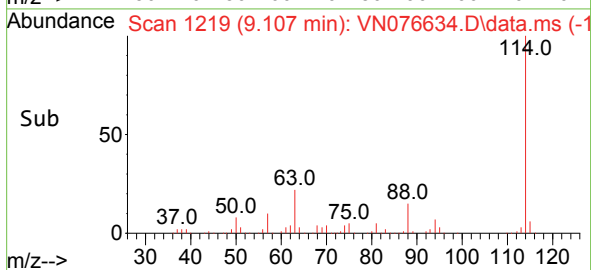
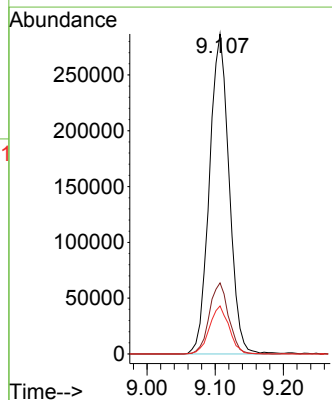
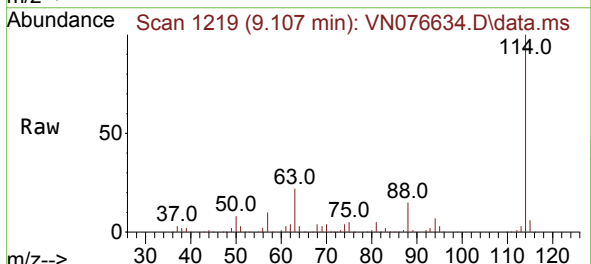
Tgt Ion: 114 Resp: 576171

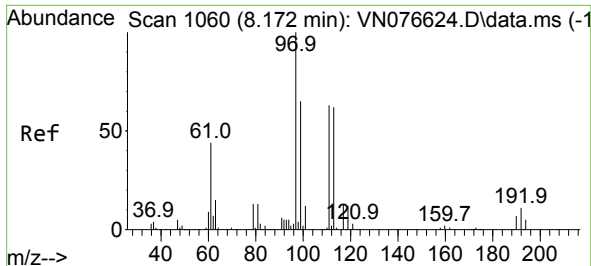
Ion Ratio Lower Upper

114 100

63 22.2 0.0 40.0

88 15.0 0.0 29.6

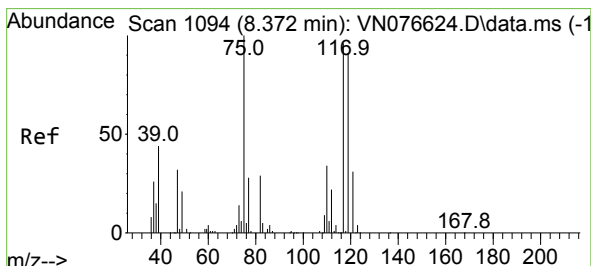
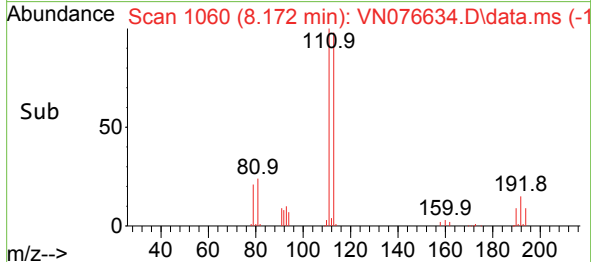
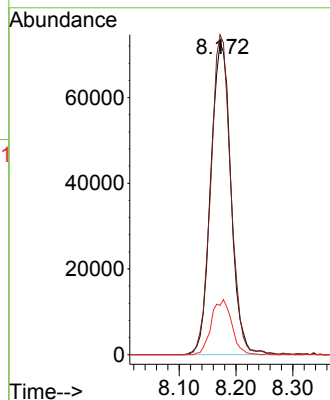
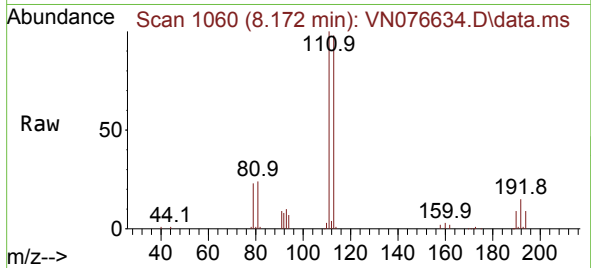




#35
Dibromofluoromethane
Concen: 47.534 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076634.D
Acq: 13 Feb 2023 17:55

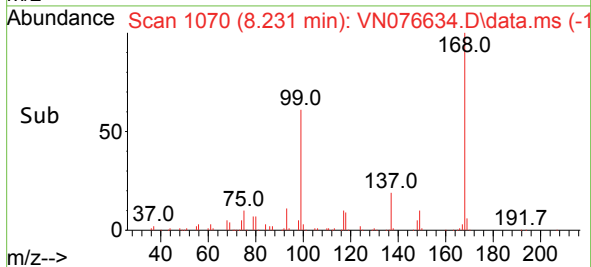
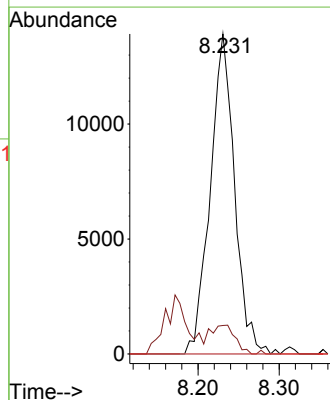
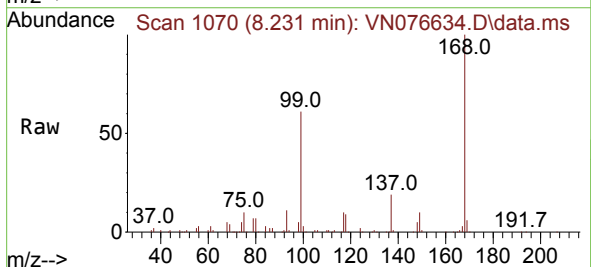
Instrument :
MSVOA_N
ClientSampleId :
IBLK

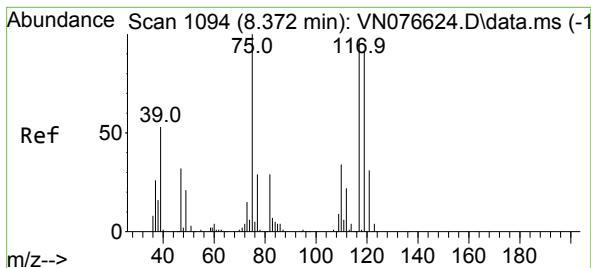
Tgt Ion:113 Resp: 179359
Ion Ratio Lower Upper
113 100
111 101.6 83.1 124.7
192 17.8 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.325 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.141 min
Lab File: VN076634.D
Acq: 13 Feb 2023 17:55

Tgt Ion: 75 Resp: 29032
Ion Ratio Lower Upper
75 100
110 9.2 17.5 52.5#
77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.138 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.147 min

Lab File: VN076634.D

Acq: 13 Feb 2023 17:55

Instrument :

MSVOA_N

ClientSampleId :

IBLK

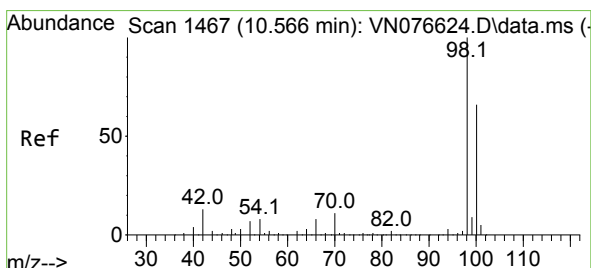
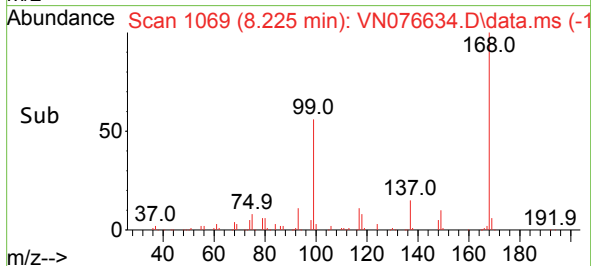
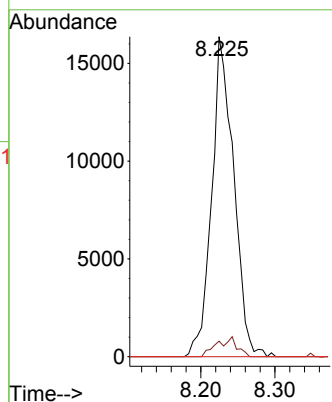
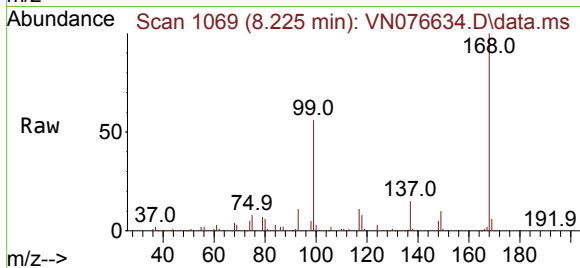
Tgt Ion:117 Resp: 33756

Ion Ratio Lower Upper

117 100

119 4.9 75.4 113.0#

121 0.0 26.0 39.0#



#50

Toluene-d8

Concen: 48.803 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN076634.D

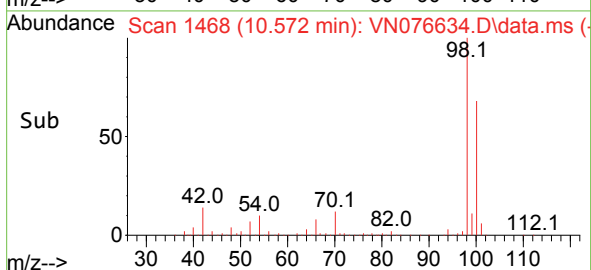
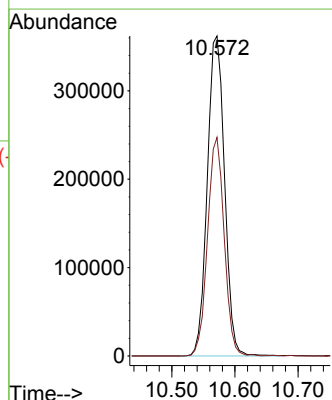
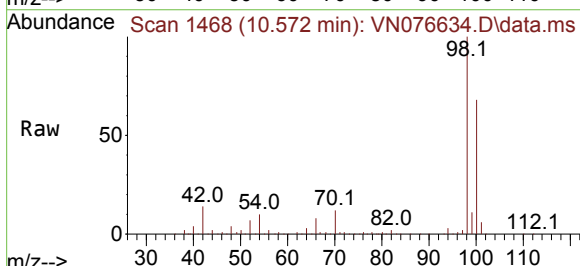
Acq: 13 Feb 2023 17:55

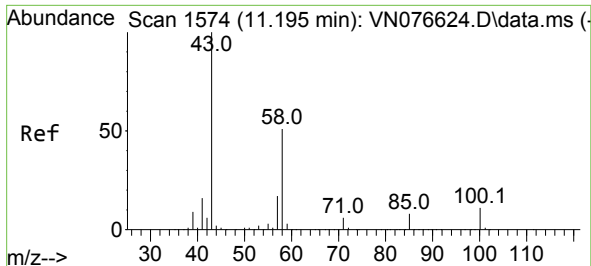
Tgt Ion: 98 Resp: 687703

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3

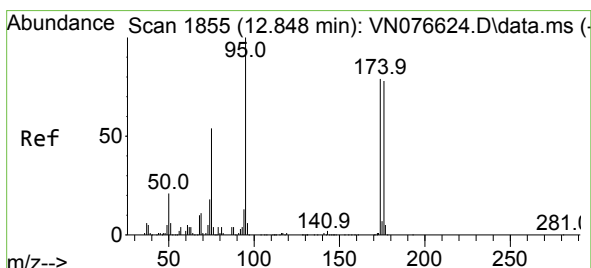
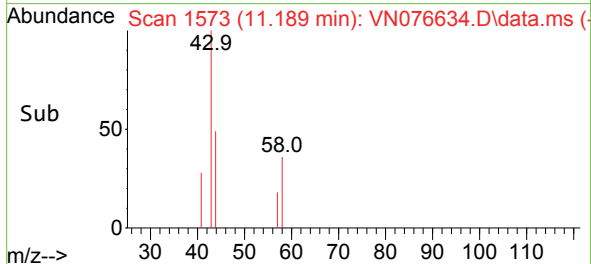
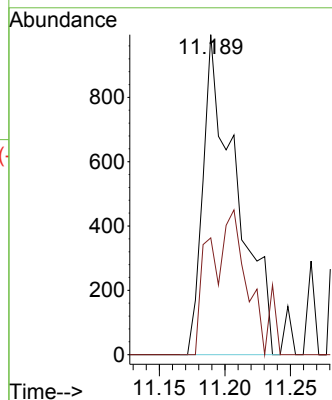
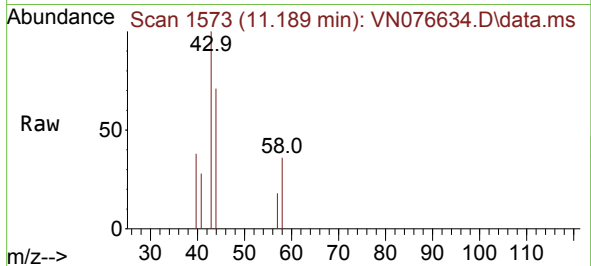




#59
2-Hexanone
Concen: 0.411 ug/l
RT: 11.189 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076634.D
Acq: 13 Feb 2023 17:55

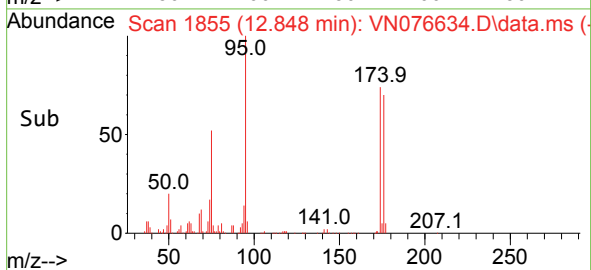
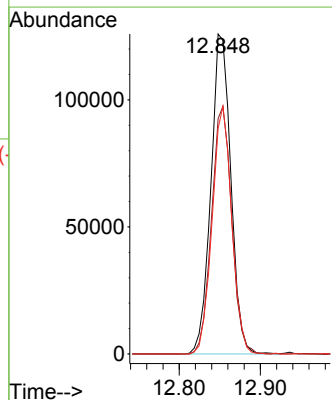
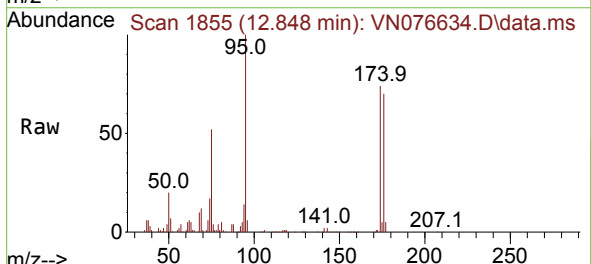
Instrument :
MSVOA_N
ClientSampleId :
IBLK

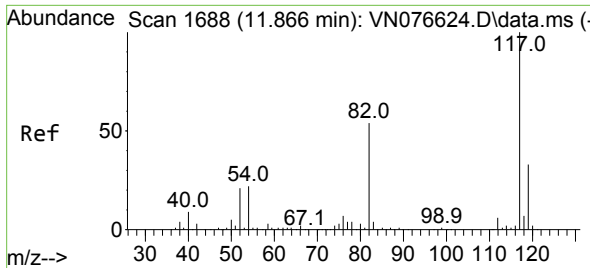
Tgt Ion: 43 Resp: 1758
Ion Ratio Lower Upper
43 100
58 18.5 25.4 76.0#



#62
4-Bromofluorobenzene
Concen: 46.066 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN076634.D
Acq: 13 Feb 2023 17:55

Tgt Ion: 95 Resp: 214993
Ion Ratio Lower Upper
95 100
174 78.0 0.0 169.2
176 75.8 0.0 163.4

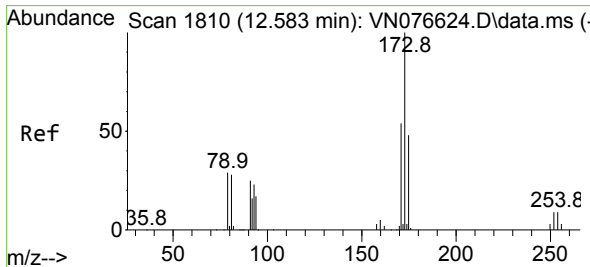
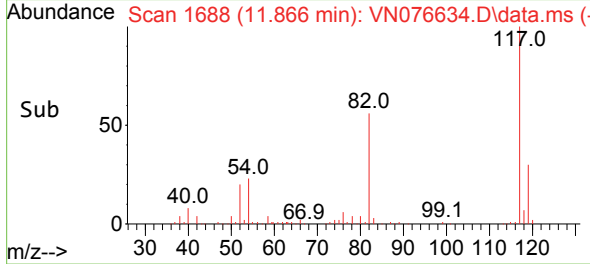
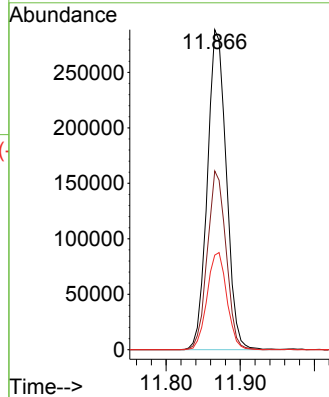
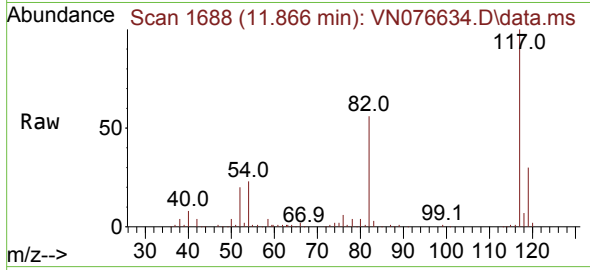




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076634.D
Acq: 13 Feb 2023 17:55

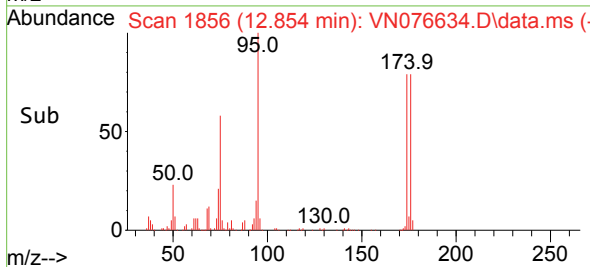
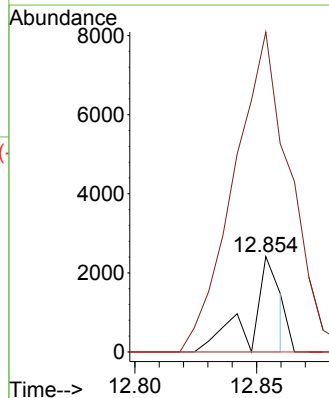
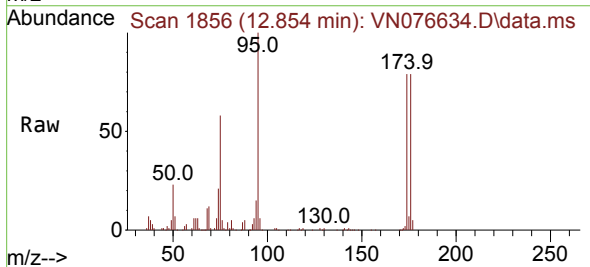
Instrument :
MSVOA_N
ClientSampleId :
IBLK

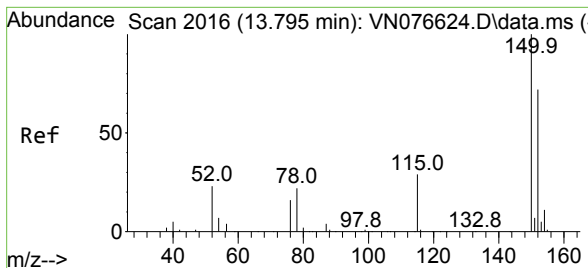
Tgt Ion:117 Resp: 511497
Ion Ratio Lower Upper
117 100
82 55.8 43.4 65.2
119 29.5 26.1 39.1



#71
Bromoform
Concen: 0.704 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN076634.D
Acq: 13 Feb 2023 17:55

Tgt Ion:173 Resp: 2033
Ion Ratio Lower Upper
173 100
175 517.5 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: VN076634.D

Acq: 13 Feb 2023 17:55

Instrument :

MSVOA_N

ClientSampleId :

IBLK

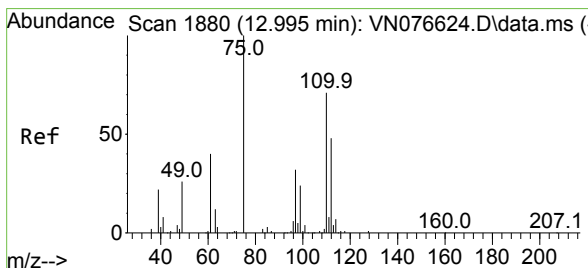
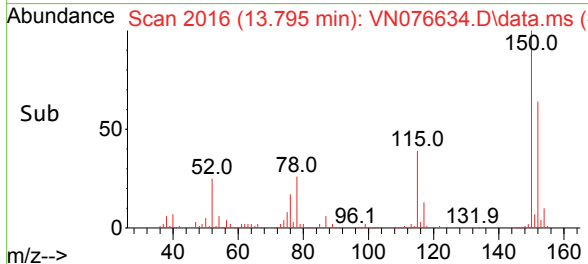
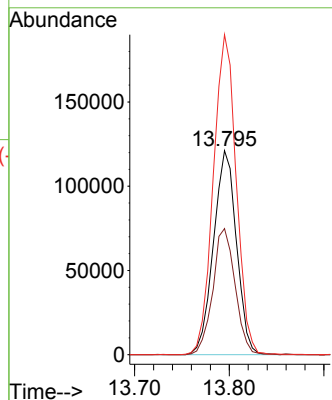
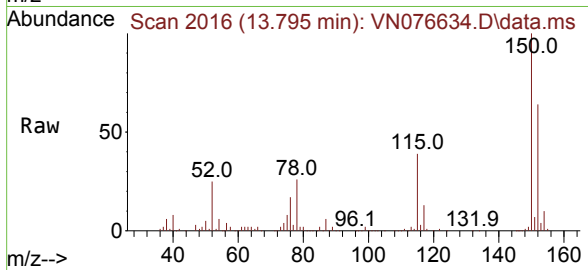
Tgt Ion:152 Resp: 204330

Ion Ratio Lower Upper

152 100

115 60.0 29.3 87.9

150 156.3 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 28.768 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN076634.D

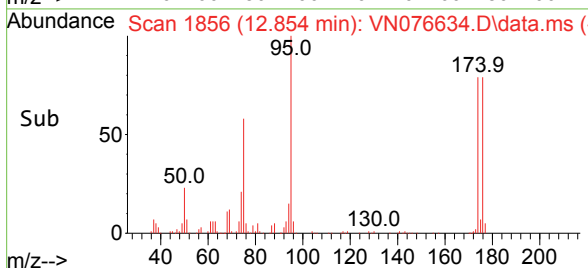
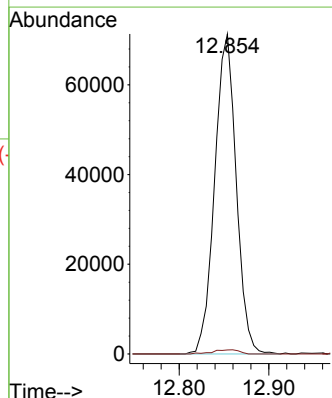
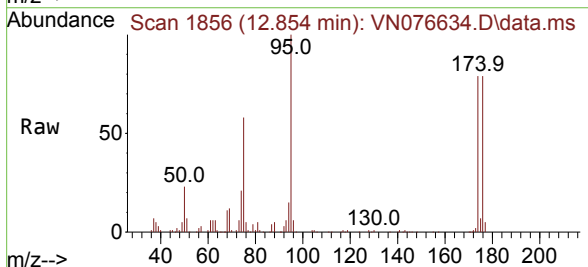
Acq: 13 Feb 2023 17:55

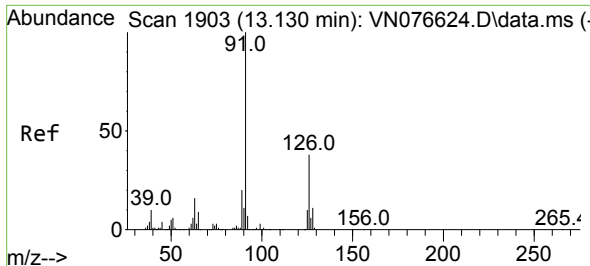
Tgt Ion: 75 Resp: 118839

Ion Ratio Lower Upper

75 100

77 1.6 93.1 279.3#

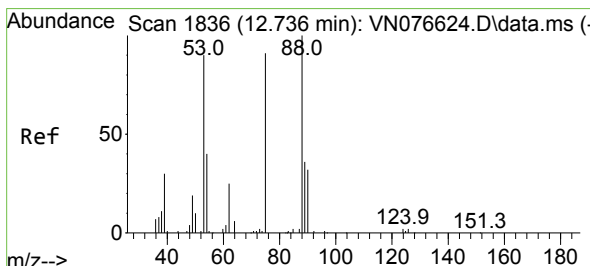
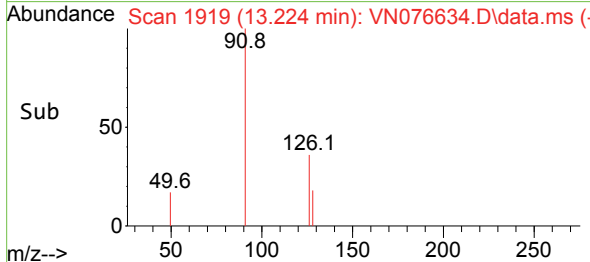
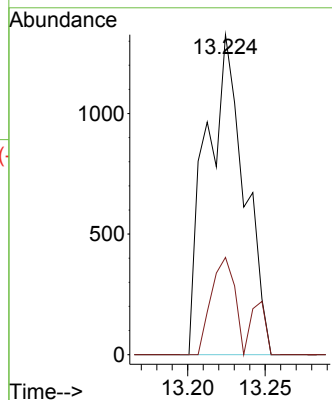
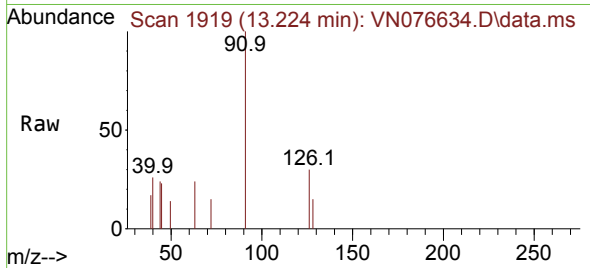




#79
2-Chlorotoluene
Concen: 0.211 ug/l
RT: 13.224 min Scan# 1903
Delta R.T. 0.094 min
Lab File: VN076634.D
Acq: 13 Feb 2023 17:55

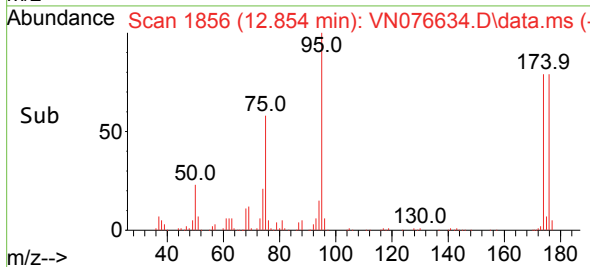
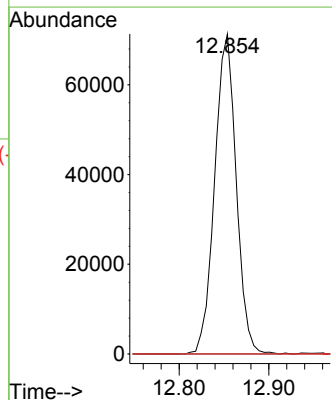
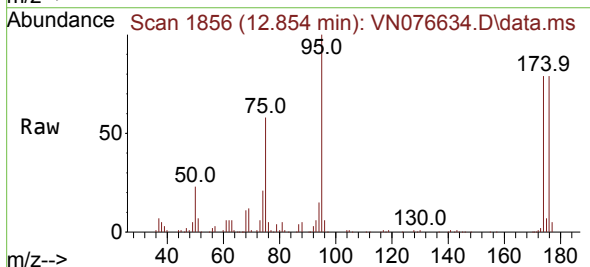
Instrument :
MSVOA_N
ClientSampleId :
IBLK

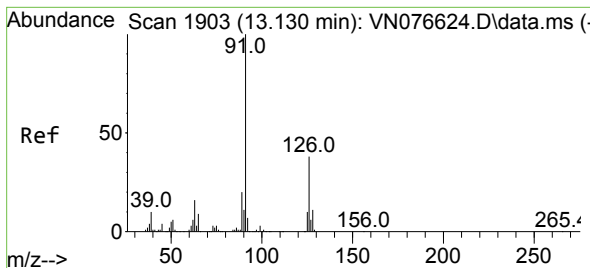
Tgt Ion: 91 Resp: 2270
Ion Ratio Lower Upper
91 100
126 18.7 17.7 53.1



#81
trans-1,4-Dichloro-2-butene
Concen: 83.788 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN076634.D
Acq: 13 Feb 2023 17:55

Tgt Ion: 75 Resp: 118839
Ion Ratio Lower Upper
75 100
53 0.0 92.1 138.1#
89 0.0 37.5 56.3#





#82

4-Chlorotoluene

Concen: 0.211 ug/l

RT: 13.224 min Scan# 1903

Delta R.T. 0.094 min

Lab File: VN076634.D

Acq: 13 Feb 2023 17:55

Instrument :

MSVOA_N

ClientSampleId :

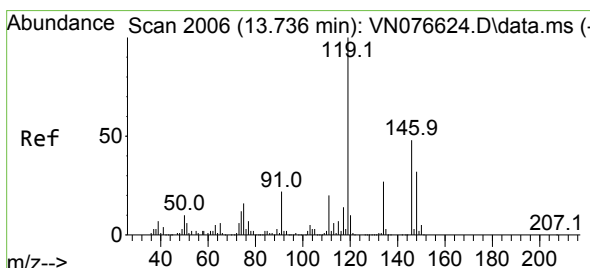
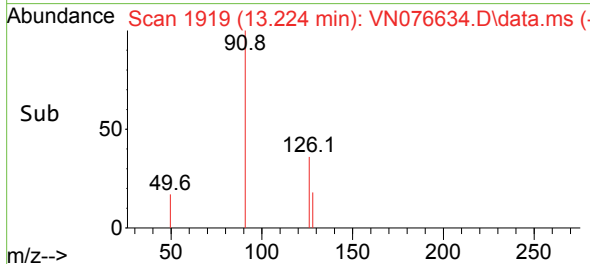
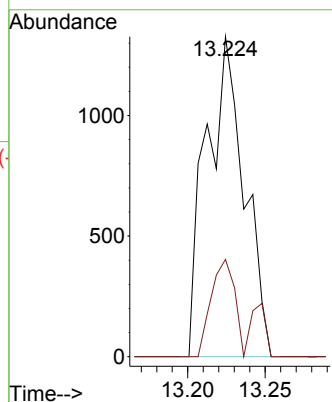
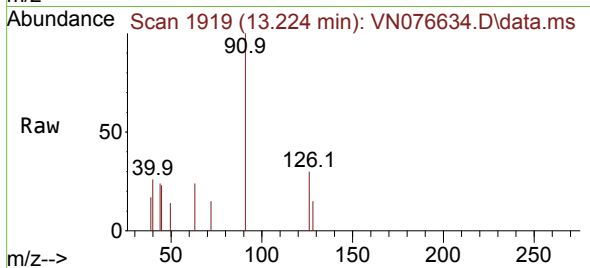
IBLK

Tgt Ion: 91 Resp: 2270

Ion Ratio Lower Upper

91 100

126 18.7 17.7 53.1



#87

1,3-Dichlorobenzene

Concen: 0.241 ug/l

RT: 13.730 min Scan# 2005

Delta R.T. -0.006 min

Lab File: VN076634.D

Acq: 13 Feb 2023 17:55

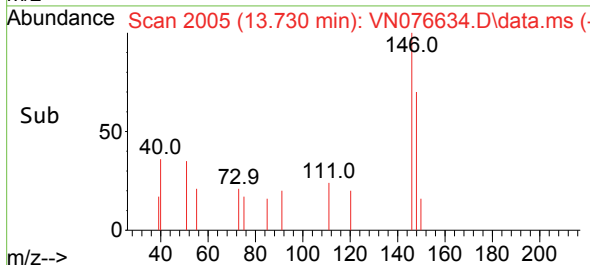
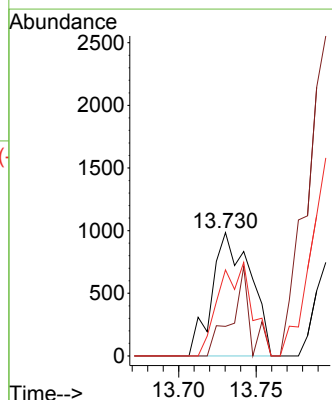
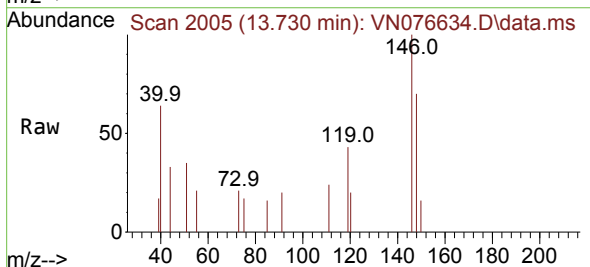
Tgt Ion: 146 Resp: 1701

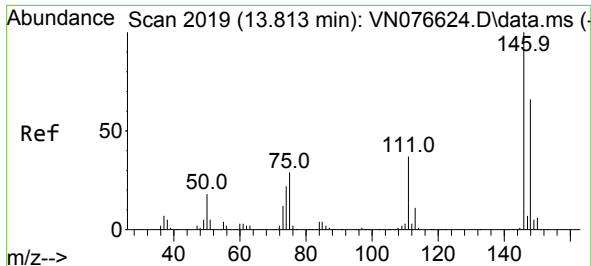
Ion Ratio Lower Upper

146 100

111 35.7 19.8 59.4

148 65.1 32.0 96.2

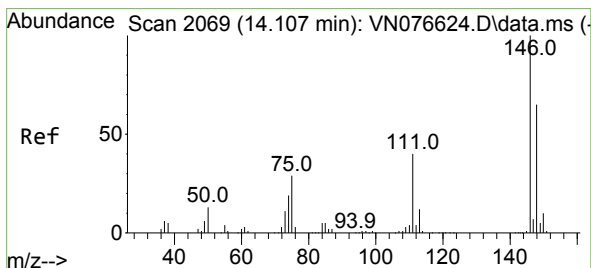
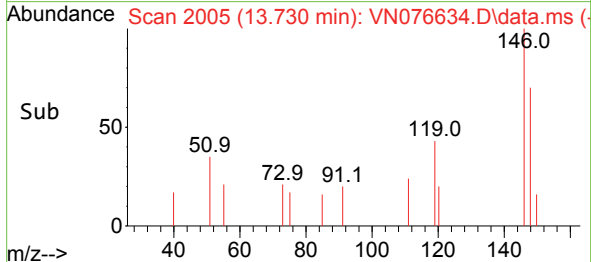
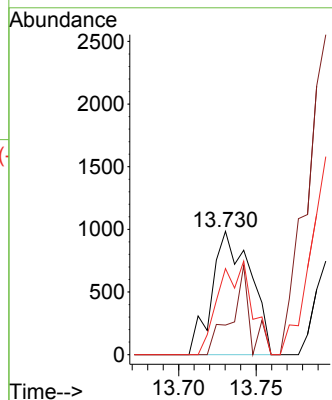
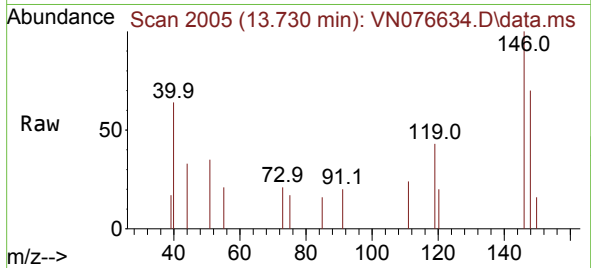




#88
 1,4-Dichlorobenzene
 Concen: 0.242 ug/l
 RT: 13.730 min Scan# 2019
 Delta R.T. -0.082 min
 Lab File: VN076634.D
 Acq: 13 Feb 2023 17:55

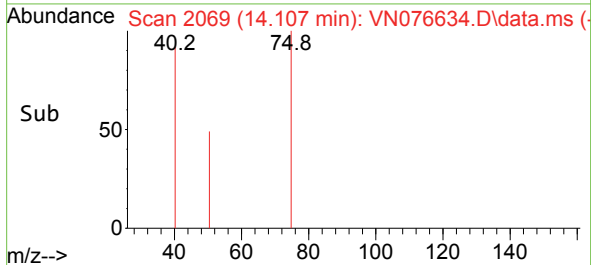
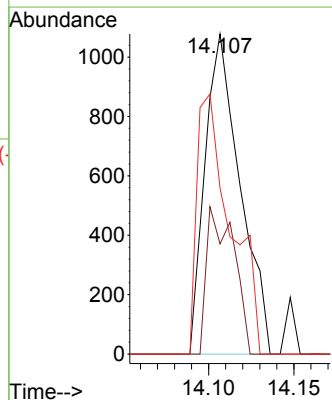
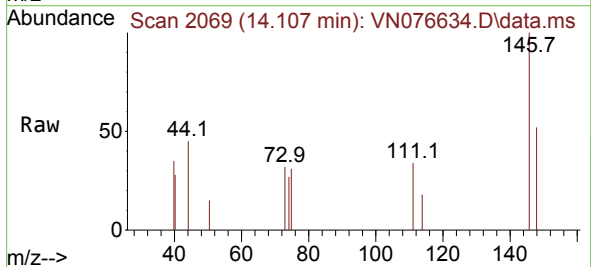
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

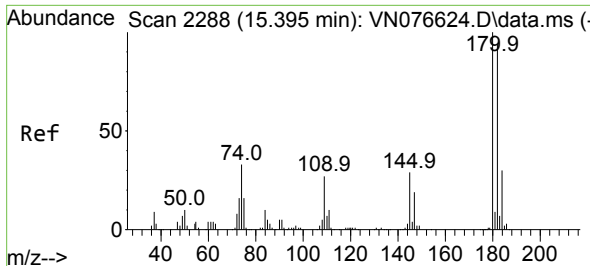
Tgt Ion:146 Resp: 1701
 Ion Ratio Lower Upper
 146 100
 111 35.7 19.4 58.1
 148 65.1 32.7 98.1



#91
 1,2-Dichlorobenzene
 Concen: 0.214 ug/l
 RT: 14.107 min Scan# 2069
 Delta R.T. -0.000 min
 Lab File: VN076634.D
 Acq: 13 Feb 2023 17:55

Tgt Ion:146 Resp: 1548
 Ion Ratio Lower Upper
 146 100
 111 35.6 20.0 59.9
 148 78.2 32.4 97.2

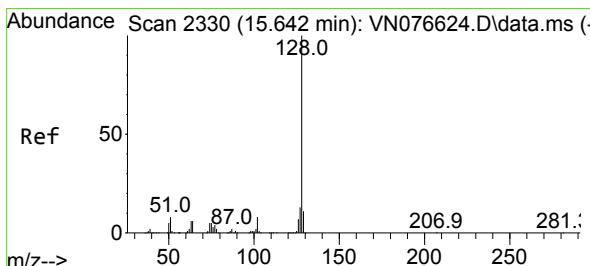
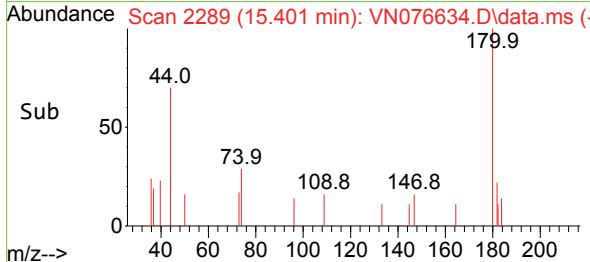
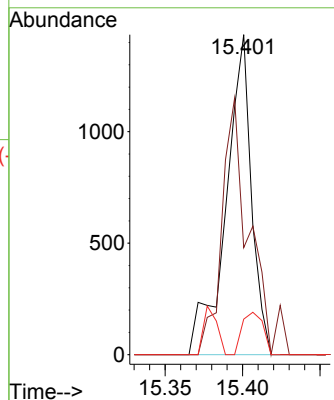
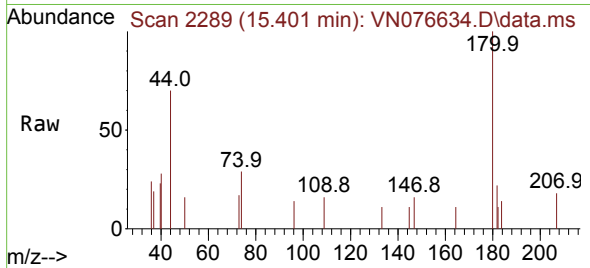




#93
1,2,4-Trichlorobenzene
Concen: 0.454 ug/l
RT: 15.401 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076634.D
Acq: 13 Feb 2023 17:55

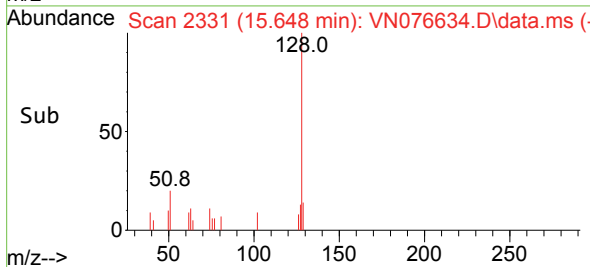
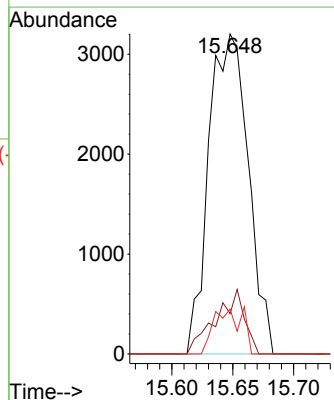
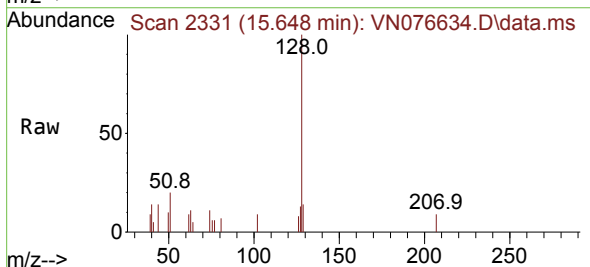
Instrument :
MSVOA_N
ClientSampleId :
IBLK

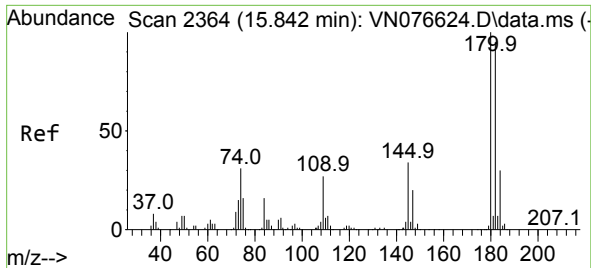
Tgt Ion:180 Resp: 1639
Ion Ratio Lower Upper
180 100
182 86.7 48.0 144.0
145 10.8 15.2 45.6#



#95
Naphthalene
Concen: 0.658 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN076634.D
Acq: 13 Feb 2023 17:55

Tgt Ion:128 Resp: 7215
Ion Ratio Lower Upper
128 100
127 14.8 10.6 16.0
129 10.3 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.646 ug/l
 RT: 15.836 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN076634.D
 Acq: 13 Feb 2023 17:55

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion:180 Resp: 2260
 Ion Ratio Lower Upper
 180 100
 182 97.4 46.7 140.1
 145 27.4 16.0 47.9

