

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\
 Data File : VN076922.D
 Acq On : 10 Mar 2023 13:47
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Mar 10 14:20:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	396553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	664361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	569230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	235662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	277163	46.837	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.680%		
35) Dibromofluoromethane	8.172	113	202760	45.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.580%		
50) Toluene-d8	10.571	98	772056	47.312	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.620%		
62) 4-Bromofluorobenzene	12.854	95	273085	45.753	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.500%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.384	50	1009	0.261	ug/l #	80
5) Bromomethane	2.978	94	1379	0.523	ug/l	98
6) Chloroethane	3.131	64	768	0.337	ug/l #	42
10) Methyl Iodide	4.619	142	3054	0.613	ug/l	97
12) 1,1-Dichloroethene	4.366	96	884	0.202	ug/l #	16
13) Acrolein	4.190	56	1090	1.473	ug/l #	46
15) Acrylonitrile	5.731	53	1393	0.599	ug/l #	18
16) Acetone	4.454	43	1424	0.694	ug/l #	40
17) Carbon Disulfide	4.725	76	7838	0.646	ug/l	96
18) Methyl Acetate	5.060	43	1854	0.245	ug/l #	48
21) trans-1,2-Dichloroethene	5.801	96	1333	0.287	ug/l #	81
23) Vinyl Acetate	6.619	43	2376	0.277	ug/l #	64
25) 2-Butanone	7.495	43	1533	0.526	ug/l #	82
27) cis-1,2-Dichloroethene	7.495	96	1129	0.211	ug/l	66
31) Cyclohexane	8.230	56	9898	1.166	ug/l #	40
36) 1,1-Dichloropropene	8.383	75	1814	0.265	ug/l #	80
38) Carbon Tetrachloride	8.236	117	46598	5.814	ug/l #	16
39) Methylcyclohexane	9.607	83	1733	0.208	ug/l	89
40) Benzene	8.619	78	4395	0.218	ug/l #	85
44) Trichloroethene	9.360	130	1842	0.353	ug/l	48
46) Dibromomethane	9.724	93	761	0.219	ug/l #	82
49) 1,4-Dioxane	9.713	88	86	0.959	ug/l #	30
51) 4-Methyl-2-Pentanone	10.454	43	2774	0.478	ug/l #	85
52) Toluene	10.636	92	3928	0.316	ug/l	79
59) 2-Hexanone	11.207	43	5519	1.303	ug/l	83
64) Tetrachloroethene	11.113	164	1638	0.356	ug/l #	78
65) Chlorobenzene	11.889	112	6160	0.484	ug/l	94
67) Ethyl Benzene	11.965	91	6934	0.296	ug/l	99
68) m/p-Xylenes	12.077	106	5413	0.615	ug/l	95
69) o-Xylene	12.395	106	2209	0.259	ug/l	97
70) Styrene	12.418	104	5889	0.427	ug/l	96
73) Isopropylbenzene	12.701	105	4891	0.233	ug/l	87
74) N-amyl acetate	12.495	43	2493	0.359	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.942	83	1557	0.252	ug/l #	85
76) 1,2,3-Trichloropropane	12.854	75	147640	25.841	ug/l #	1
77) Bromobenzene	12.983	156	3516	0.749	ug/l	97

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 ALS Vial : 11 Sample Multiplier: 1

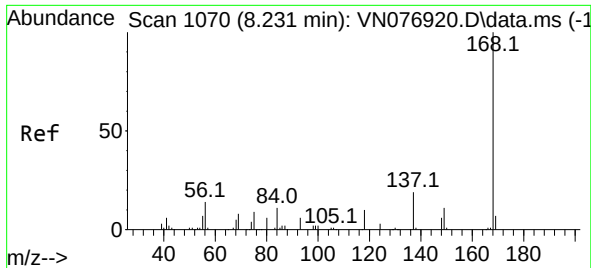
Instrument :
 MSVOA_N
 ClientSampleId :
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Quant Time: Mar 10 14:20:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

78) n-propylbenzene	13.036	91	10317	0.441	ug/l	95
79) 2-Chlorotoluene	13.124	91	7360	0.485	ug/l	92
80) 1,3,5-Trimethylbenzene	13.171	105	4564	0.255	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.854	75	147640	84.409	ug/l #	15
82) 4-Chlorotoluene	13.224	91	9488	0.662	ug/l	93
83) tert-Butylbenzene	13.442	119	3865	0.254	ug/l	73
84) 1,2,4-Trimethylbenzene	13.483	105	5531	0.309	ug/l	98
85) sec-Butylbenzene	13.618	105	6486	0.311	ug/l	96
86) p-Isopropyltoluene	13.730	119	5717	0.340	ug/l	93
87) 1,3-Dichlorobenzene	13.736	146	7167	0.838	ug/l	97
88) 1,4-Dichlorobenzene	13.736	146	7167	0.835	ug/l	97
89) n-Butylbenzene	14.059	91	7889	0.562	ug/l	95
91) 1,2-Dichlorobenzene	14.107	146	7051	0.820	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.712	75	937	0.687	ug/l	97
93) 1,2,4-Trichlorobenzene	15.401	180	7669	1.605	ug/l	91
94) Hexachlorobutadiene	15.506	225	1563	0.614	ug/l	80
95) Naphthalene	15.648	128	35478	2.494	ug/l	98
96) 1,2,3-Trichlorobenzene	15.848	180	9072	1.955	ug/l	87

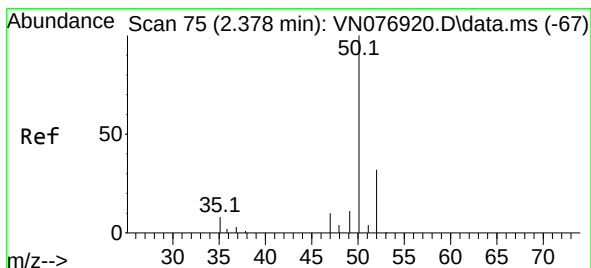
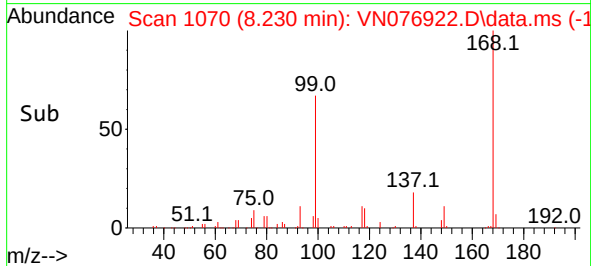
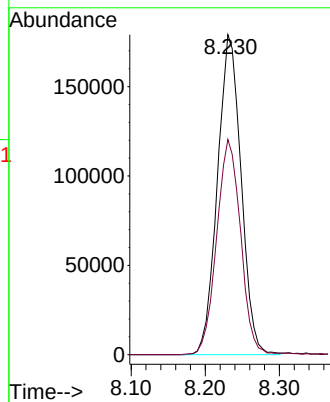
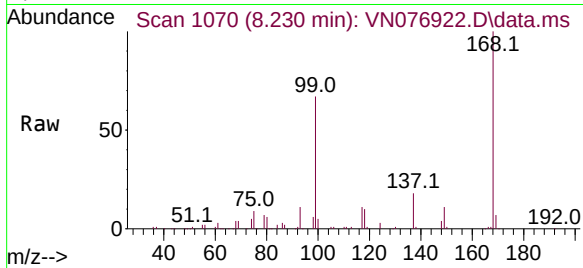
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.001 min
Lab File: VN076922.D
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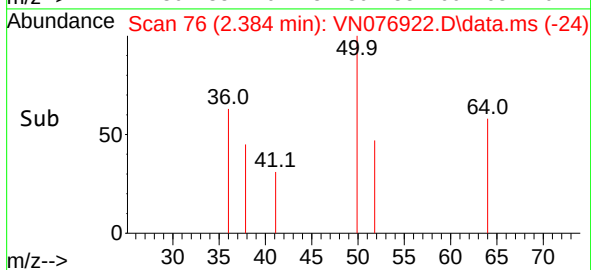
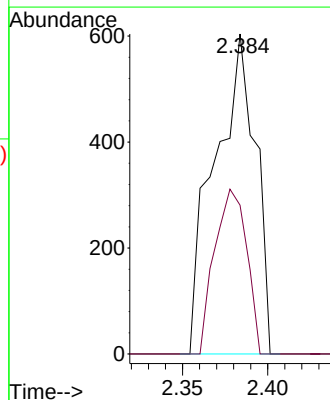
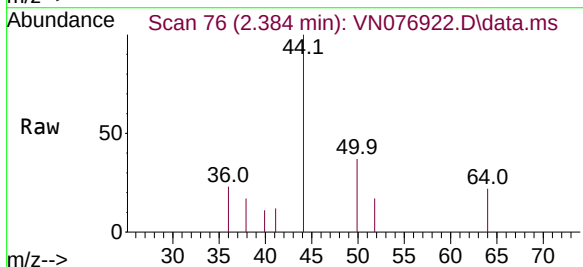
Instrument :
MSVOA_N
ClientSampleId :
IBLK

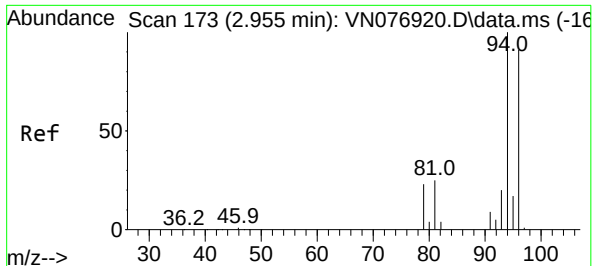
Tgt Ion:168 Resp: 396553
Ion Ratio Lower Upper
168 100
99 67.3 48.6 73.0



#3
Chloromethane
Concen: 0.261 ug/l
RT: 2.384 min Scan# 76
Delta R.T. 0.006 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

Tgt Ion: 50 Resp: 1009
Ion Ratio Lower Upper
50 100
52 46.5 27.9 41.9#





#5

Bromomethane

Concen: 0.523 ug/l

RT: 2.978 min Scan# 177

Delta R.T. 0.023 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

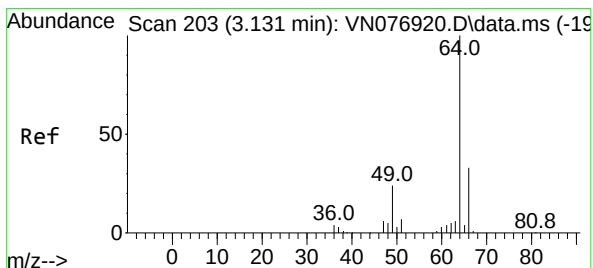
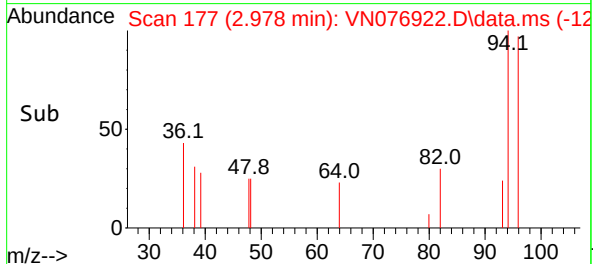
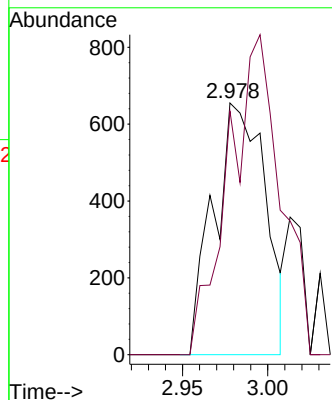
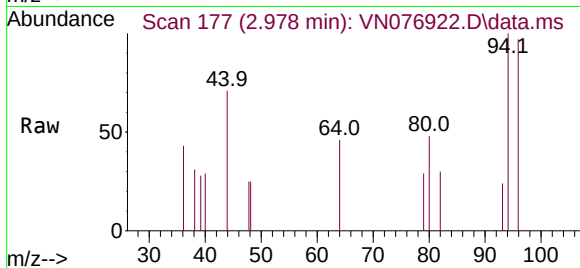
IBLK

Tgt Ion: 94 Resp: 1379

Ion Ratio Lower Upper

94 100

96 96.8 79.0 118.6



#6

Chloroethane

Concen: 0.337 ug/l

RT: 3.131 min Scan# 203

Delta R.T. -0.000 min

Lab File: VN076922.D

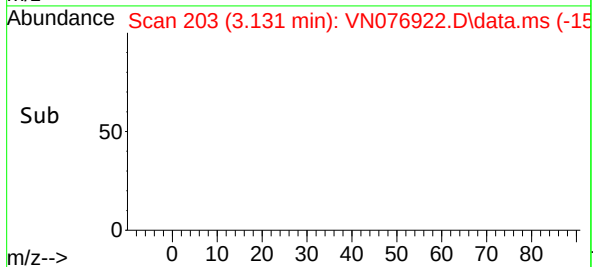
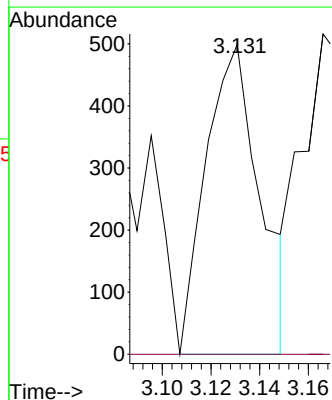
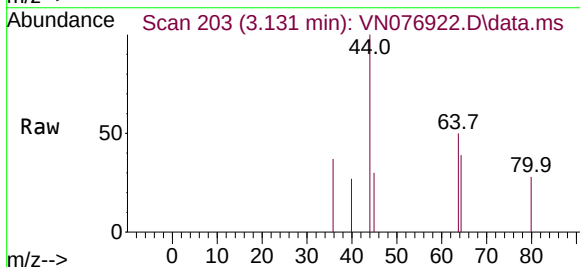
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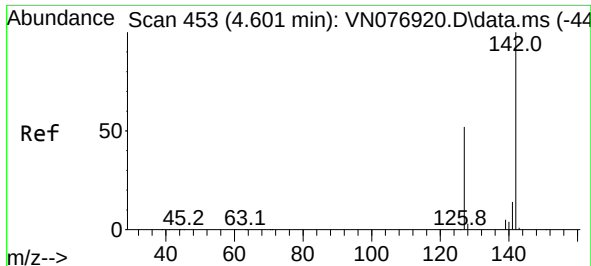
Tgt Ion: 64 Resp: 768

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#

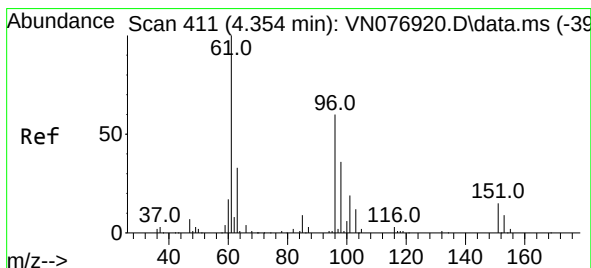
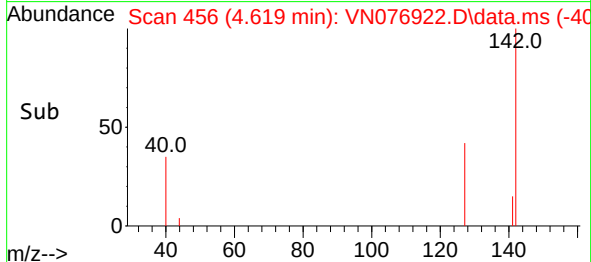
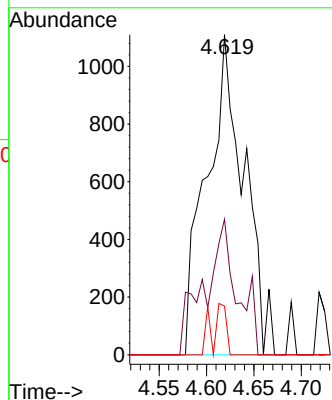
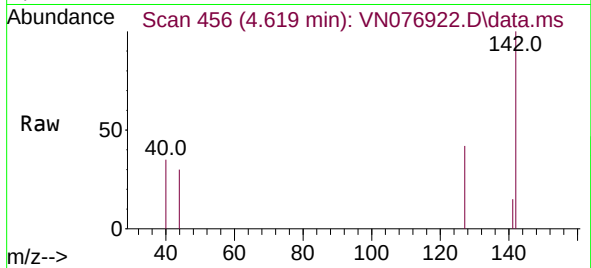




#10
Methyl Iodide
Concen: 0.613 ug/l
RT: 4.619 min Scan# 411
Delta R.T. 0.017 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

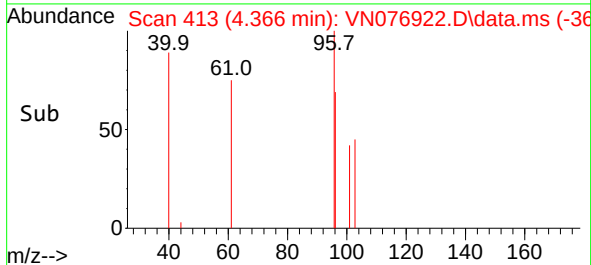
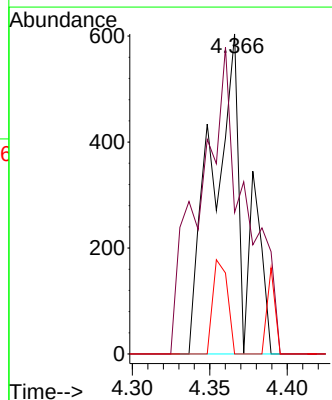
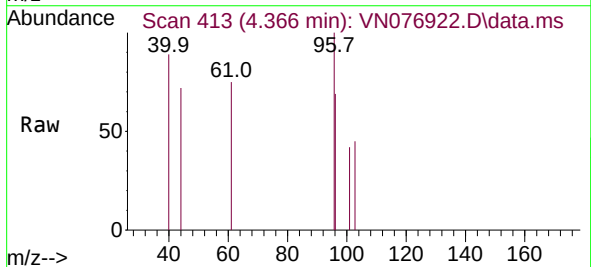
Instrument :
MSVOA_N
ClientSampleId :
IBLK

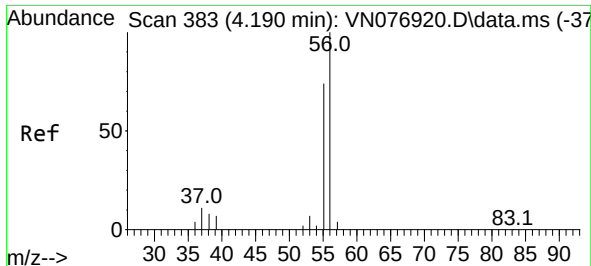
Tgt Ion:142 Resp: 3054
Ion Ratio Lower Upper
142 100
127 42.3 35.2 52.8
141 15.2 10.2 15.2



#12
1,1-Dichloroethene
Concen: 0.202 ug/l
RT: 4.366 min Scan# 413
Delta R.T. 0.012 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

Tgt Ion: 96 Resp: 884
Ion Ratio Lower Upper
96 100
61 44.2 121.3 181.9#
98 0.0 52.1 78.1#

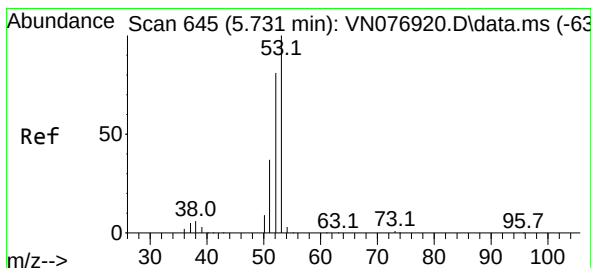
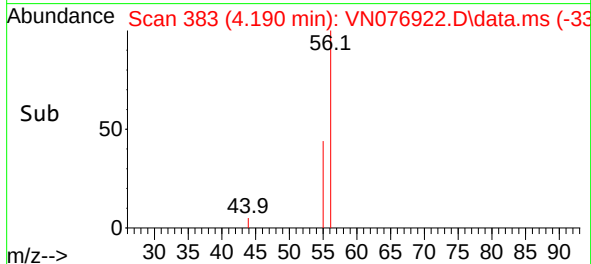
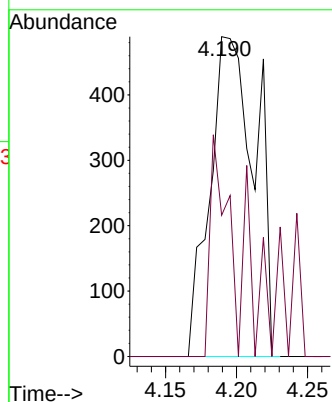
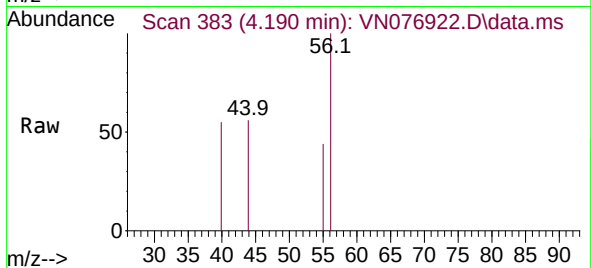




#13
Acrolein
Concen: 1.473 ug/l
RT: 4.190 min Scan# 383
Delta R.T. -0.000 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

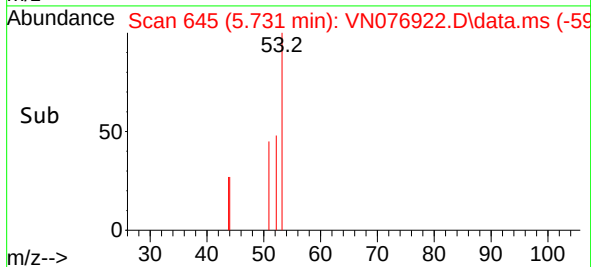
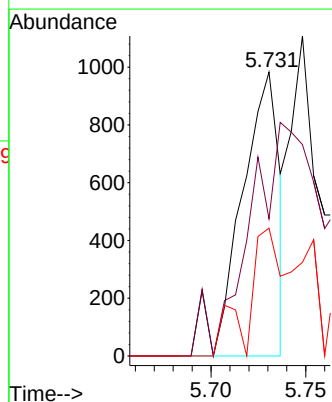
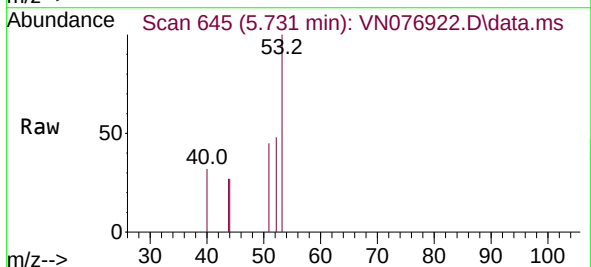
Instrument :
MSVOA_N
ClientSampleId :
IBLK

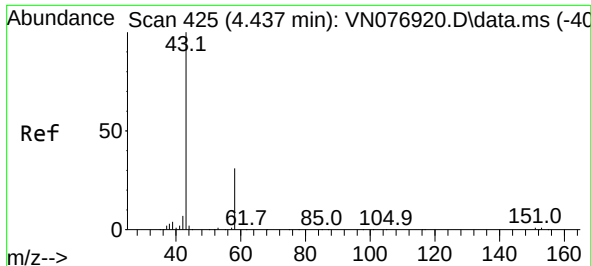
Tgt Ion: 56 Resp: 1090
Ion Ratio Lower Upper
56 100
55 26.0 56.7 85.1#



#15
Acrylonitrile
Concen: 0.599 ug/l
RT: 5.731 min Scan# 645
Delta R.T. -0.000 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

Tgt Ion: 53 Resp: 1393
Ion Ratio Lower Upper
53 100
52 168.8 65.3 97.9#
51 63.0 28.8 43.2#





#16

Acetone

Concen: 0.694 ug/l

RT: 4.454 min Scan# 431

Delta R.T. 0.017 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

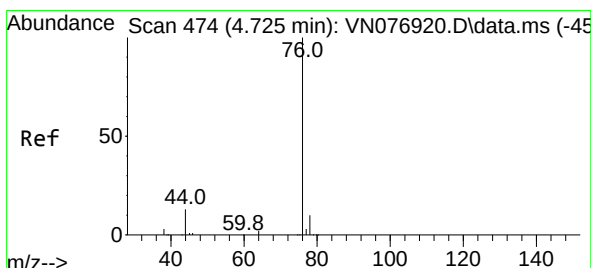
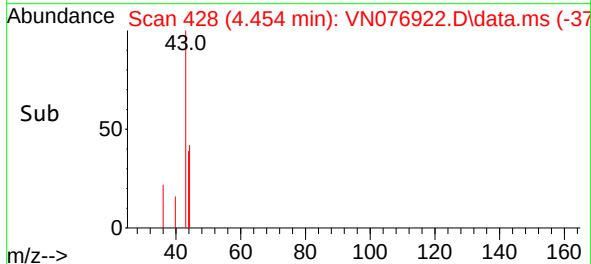
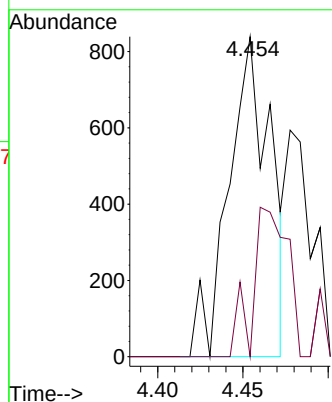
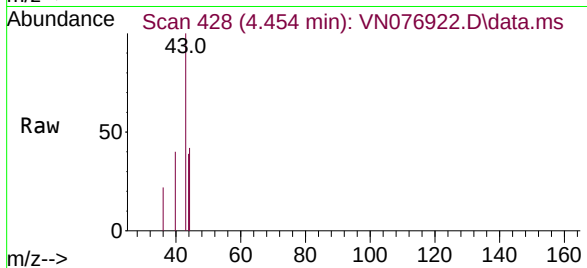
IBLK

Tgt Ion: 43 Resp: 1424

Ion Ratio Lower Upper

43 100

58 0.0 28.2 42.2#



#17

Carbon Disulfide

Concen: 0.646 ug/l

RT: 4.725 min Scan# 474

Delta R.T. -0.000 min

Lab File: VN076922.D

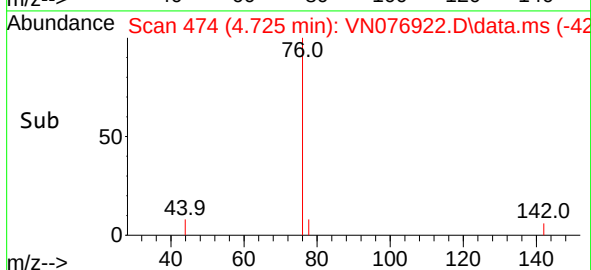
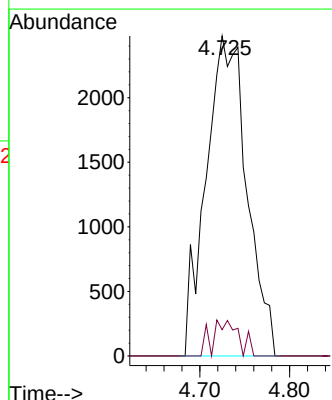
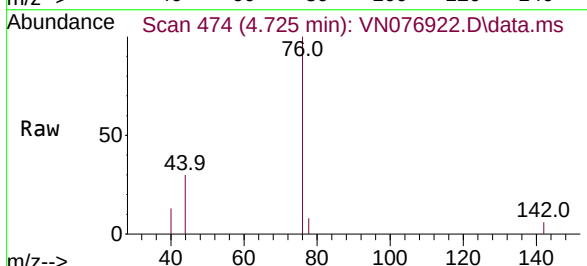
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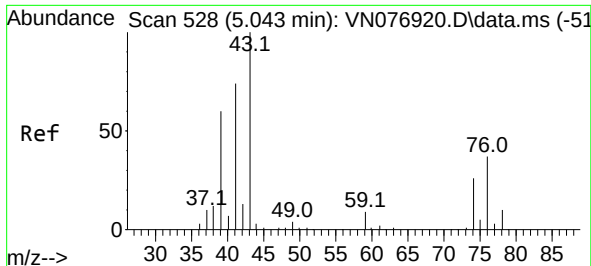
Tgt Ion: 76 Resp: 7838

Ion Ratio Lower Upper

76 100

78 8.2 7.8 11.8

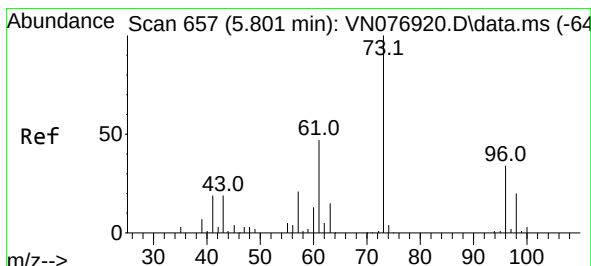
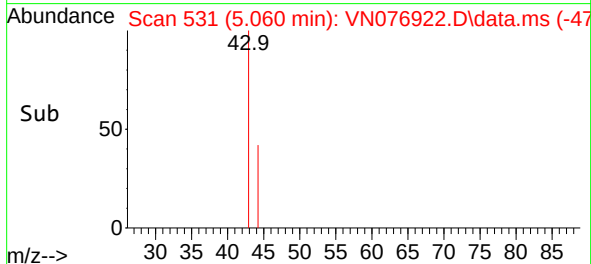
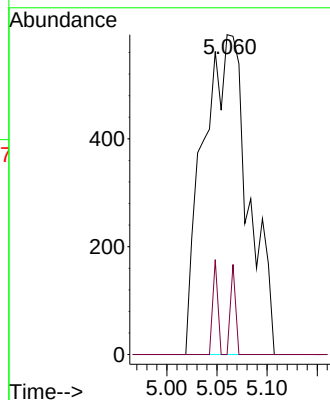
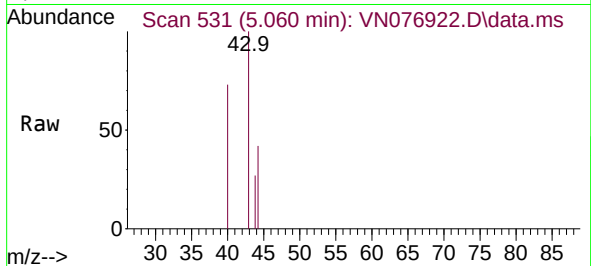




#18
Methyl Acetate
Concen: 0.245 ug/l
RT: 5.060 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

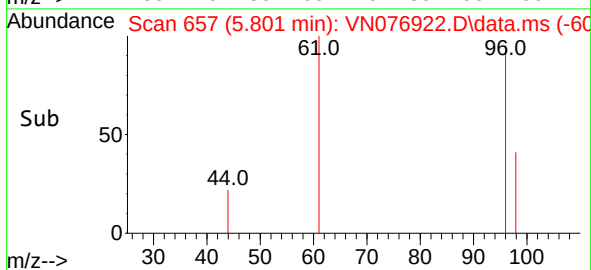
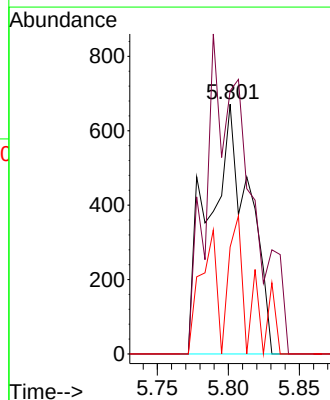
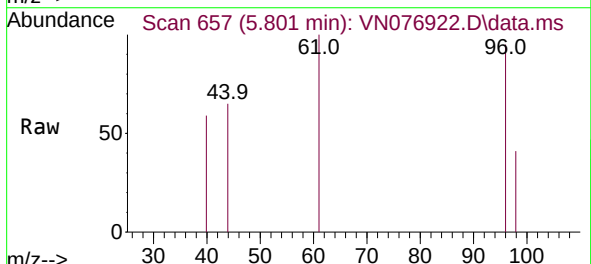
Instrument :
MSVOA_N
ClientSampleId :
IBLK

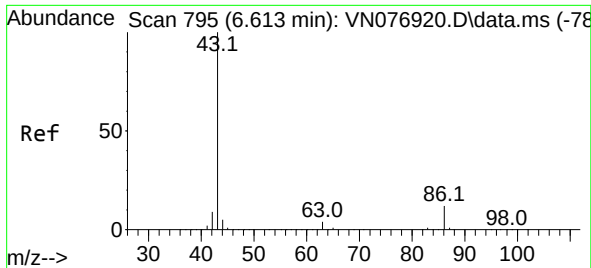
Tgt Ion: 43 Resp: 1854
Ion Ratio Lower Upper
43 100
74 3.2 25.9 38.9#



#21
trans-1,2-Dichloroethene
Concen: 0.287 ug/l
RT: 5.801 min Scan# 657
Delta R.T. -0.000 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

Tgt Ion: 96 Resp: 1333
Ion Ratio Lower Upper
96 100
61 105.4 95.0 142.6
98 42.8 54.5 81.7#

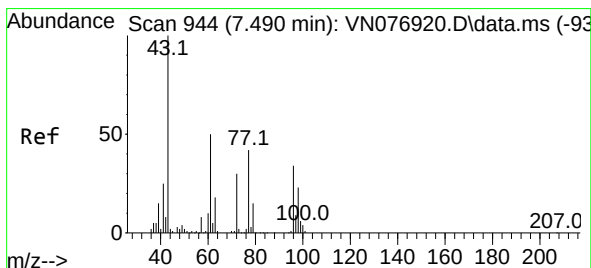
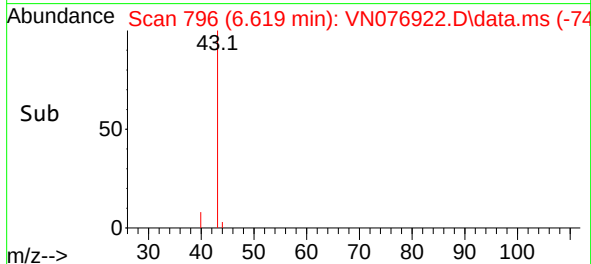
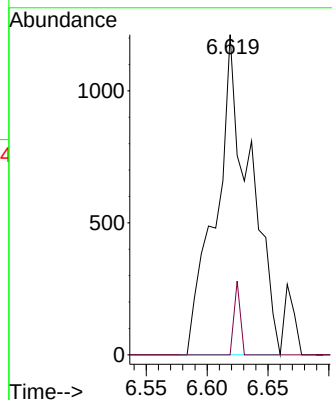
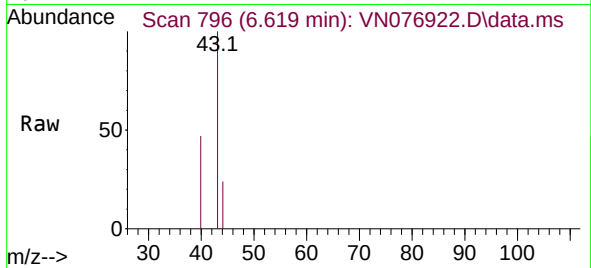




#23
 Vinyl Acetate
 Concen: 0.277 ug/l
 RT: 6.619 min Scan# 795
 Delta R.T. 0.006 min
 Lab File: VN076922.D
 Acq: 10 Mar 2023 13:47

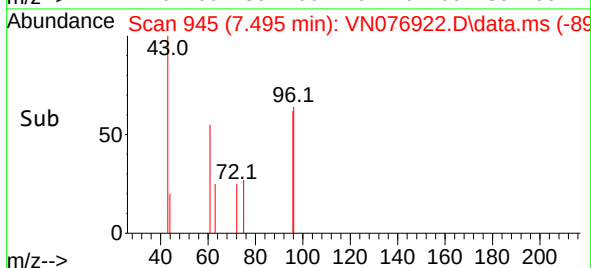
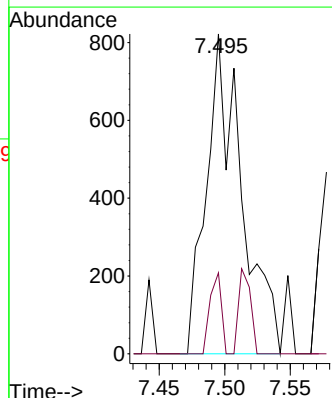
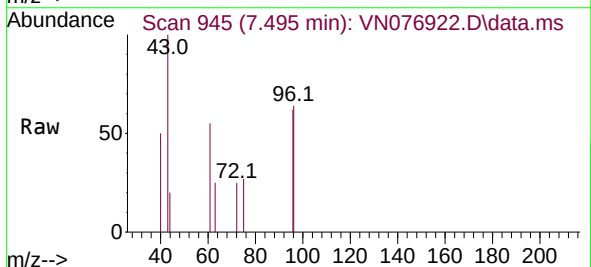
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

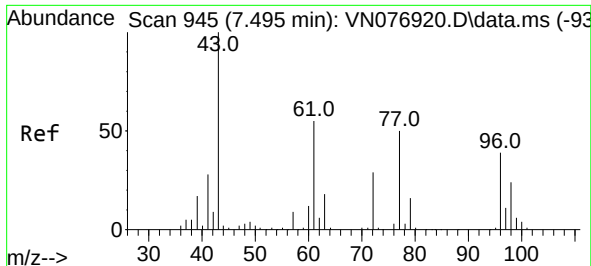
Tgt Ion: 43 Resp: 2376
 Ion Ratio Lower Upper
 43 100
 86 0.0 11.8 17.6#



#25
 2-Butanone
 Concen: 0.526 ug/l
 RT: 7.495 min Scan# 945
 Delta R.T. 0.006 min
 Lab File: VN076922.D
 Acq: 10 Mar 2023 13:47

Tgt Ion: 43 Resp: 1533
 Ion Ratio Lower Upper
 43 100
 72 25.3 28.8 43.2#

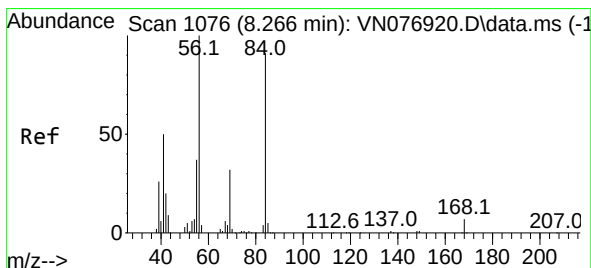
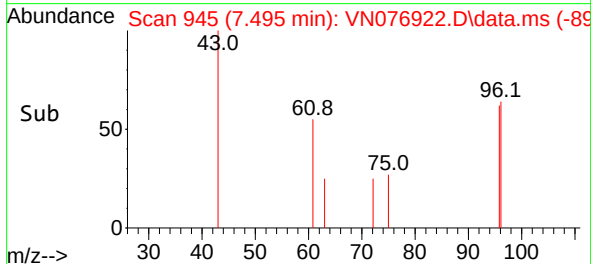
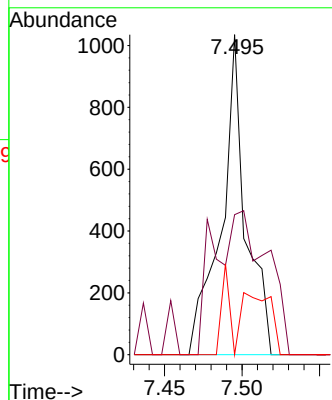
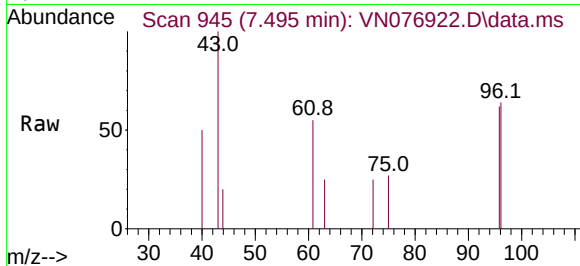




#27
 cis-1,2-Dichloroethene
 Concen: 0.211 ug/l
 RT: 7.495 min Scan# 945
 Delta R.T. -0.000 min
 Lab File: VN076922.D
 Acq: 10 Mar 2023 13:47

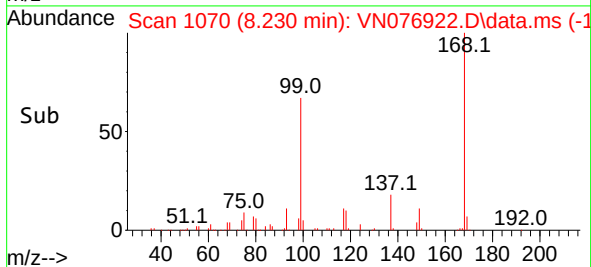
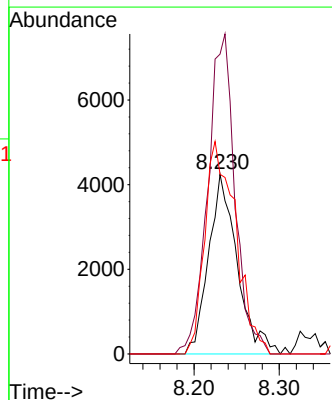
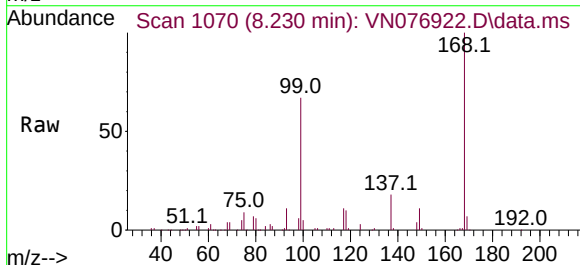
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

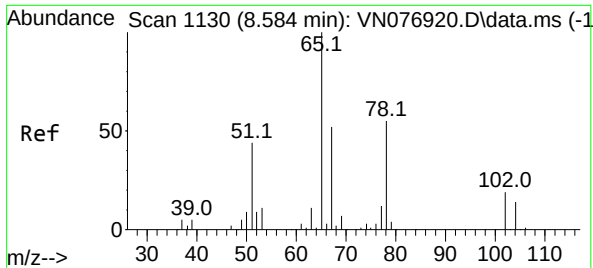
Tgt Ion: 96	Resp: 1129
Ion Ratio	Lower Upper
96 100	
61 98.3	0.0 255.6
98 23.4	0.0 127.4



#31
 Cyclohexane
 Concen: 1.166 ug/l
 RT: 8.230 min Scan# 1070
 Delta R.T. -0.035 min
 Lab File: VN076922.D
 Acq: 10 Mar 2023 13:47

Tgt Ion: 56	Resp: 9898
Ion Ratio	Lower Upper
56 100	
69 166.9	27.0 40.6#
84 100.0	82.9 124.3





#33

1,2-Dichloroethane-d4

Concen: 46.837 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

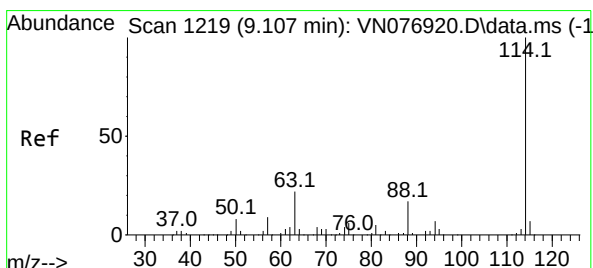
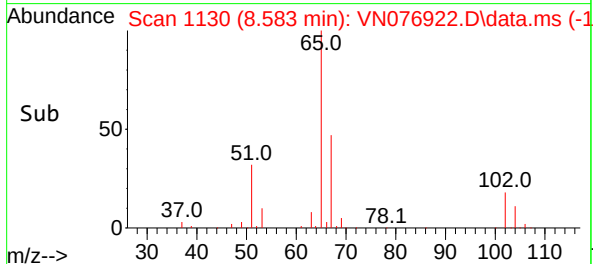
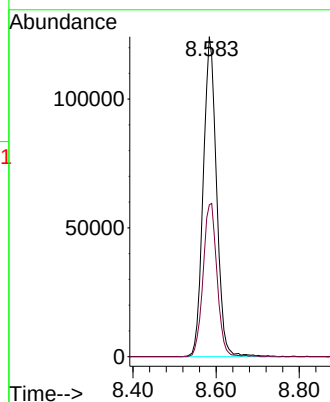
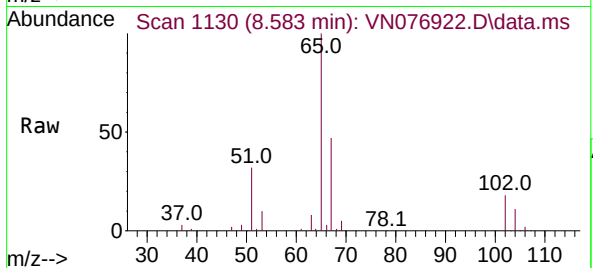
IBLK

Tgt Ion: 65 Resp: 277163

Ion Ratio Lower Upper

65 100

67 49.7 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

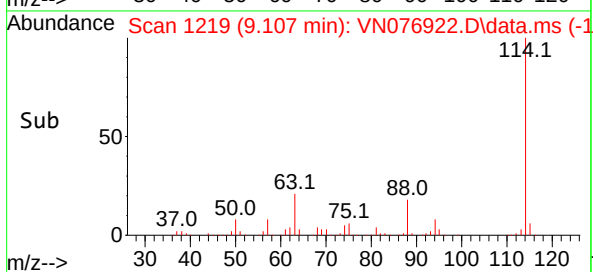
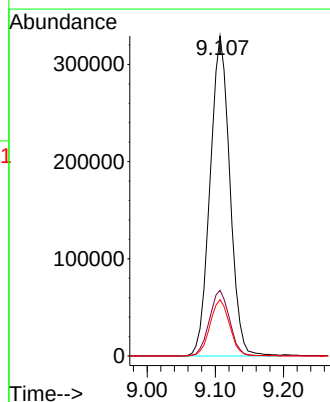
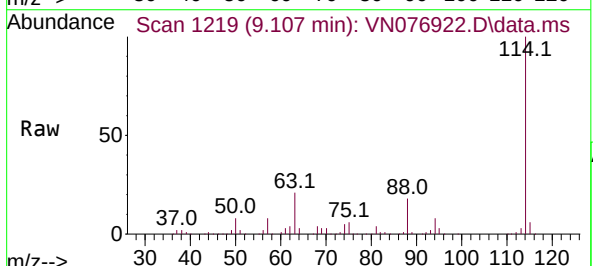
Tgt Ion: 114 Resp: 664361

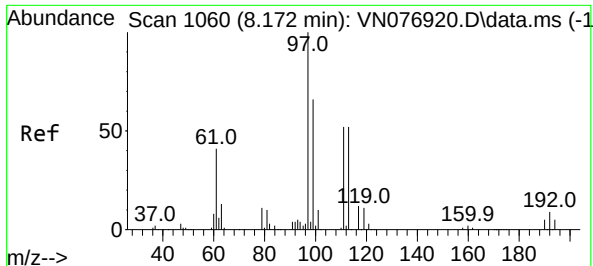
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.6

88 17.6 0.0 28.6





#35

Dibromofluoromethane

Concen: 45.793 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

IBLK

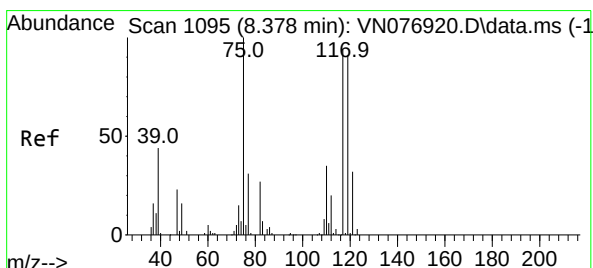
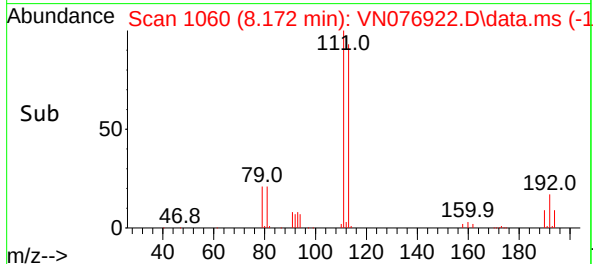
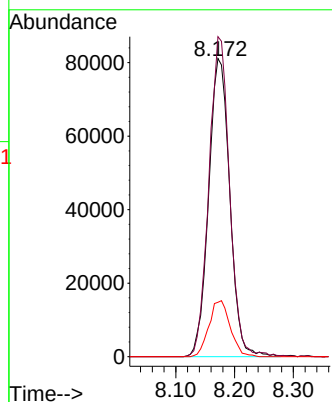
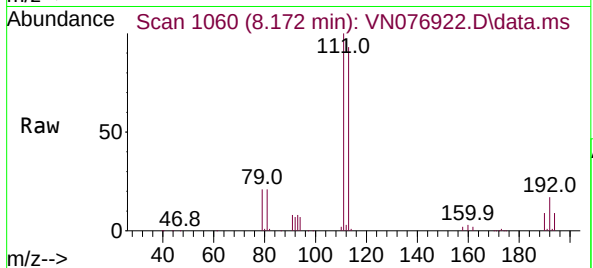
Tgt Ion:113 Resp: 202760

Ion Ratio Lower Upper

113 100

111 103.9 81.8 122.8

192 18.9 13.9 20.9



#36

1,1-Dichloropropene

Concen: 0.265 ug/l

RT: 8.383 min Scan# 1096

Delta R.T. 0.006 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

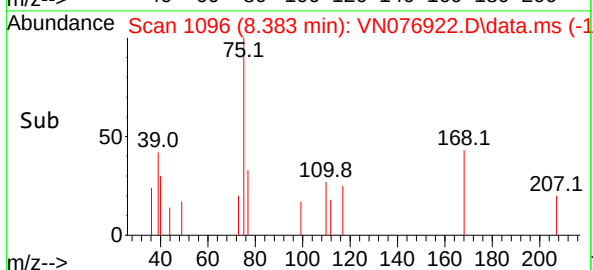
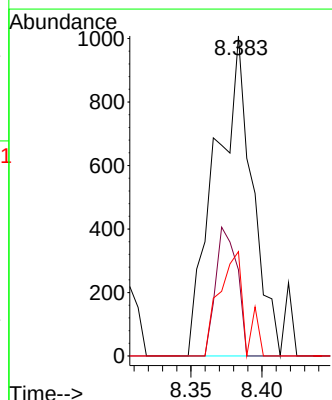
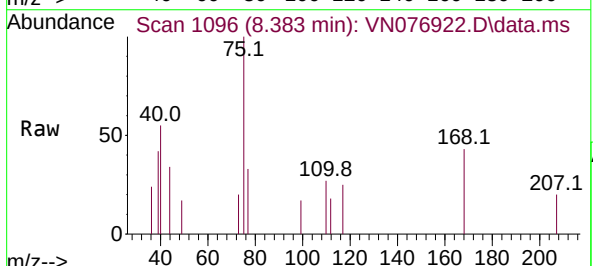
Tgt Ion: 75 Resp: 1814

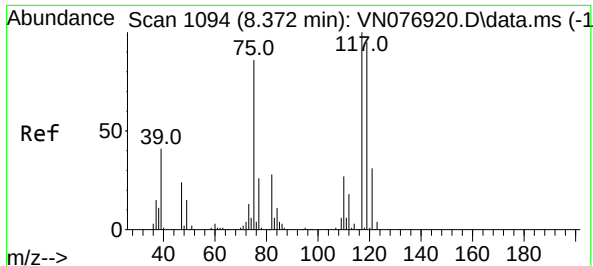
Ion Ratio Lower Upper

75 100

110 23.4 18.9 56.9

77 22.5 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.814 ug/l

RT: 8.236 min Scan# 1094

Delta R.T. -0.135 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

IBLK

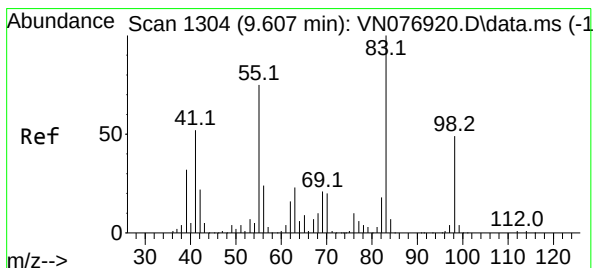
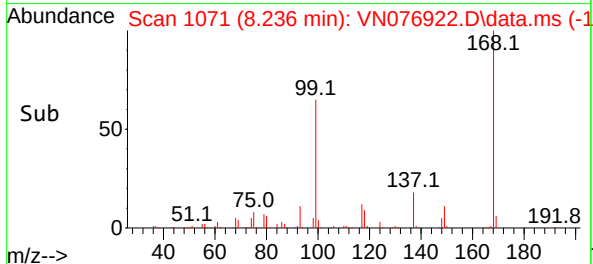
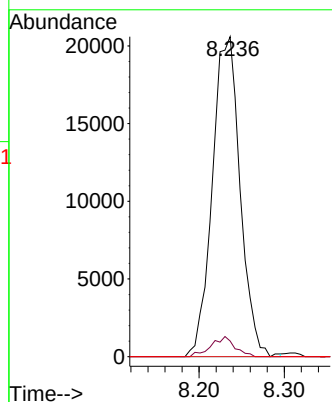
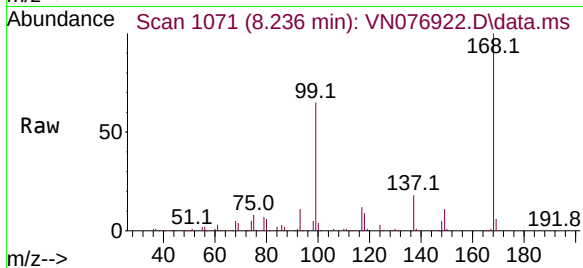
Tgt Ion:117 Resp: 46598

Ion Ratio Lower Upper

117 100

119 4.9 76.9 115.3#

121 0.0 23.2 34.8#



#39

Methylcyclohexane

Concen: 0.208 ug/l

RT: 9.607 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

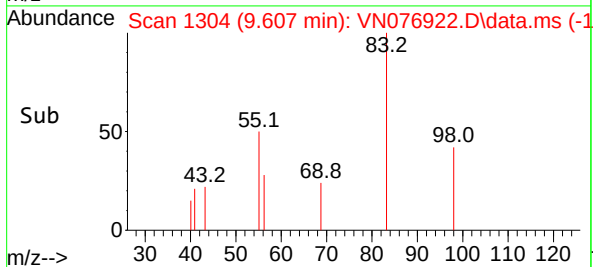
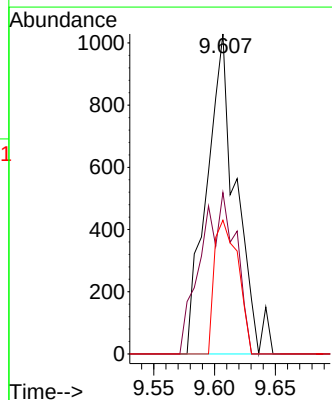
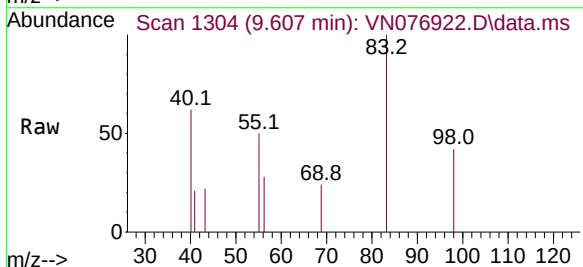
Tgt Ion: 83 Resp: 1733

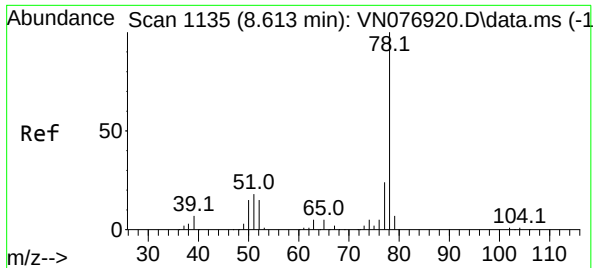
Ion Ratio Lower Upper

83 100

55 50.4 47.0 70.4

98 41.8 39.4 59.0

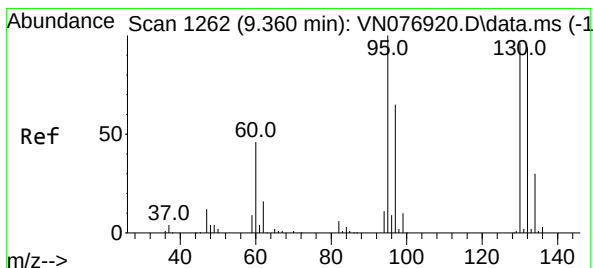
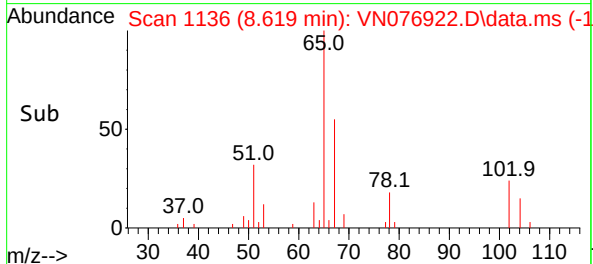
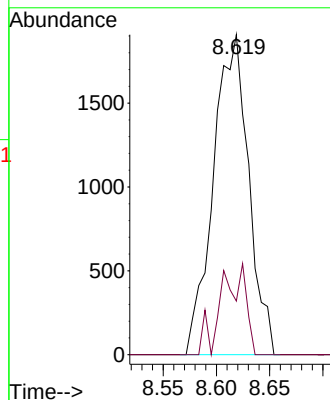
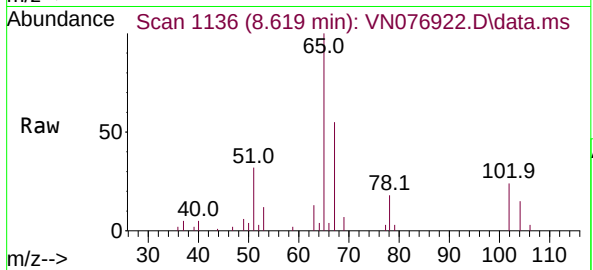




#40
Benzene
Concen: 0.218 ug/l
RT: 8.619 min Scan# 1135
Delta R.T. 0.006 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

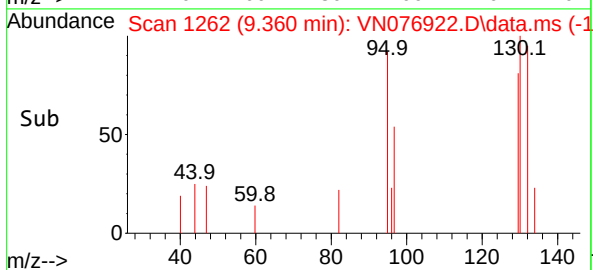
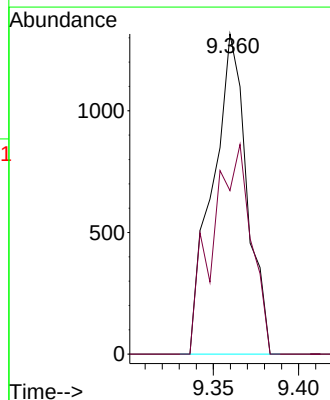
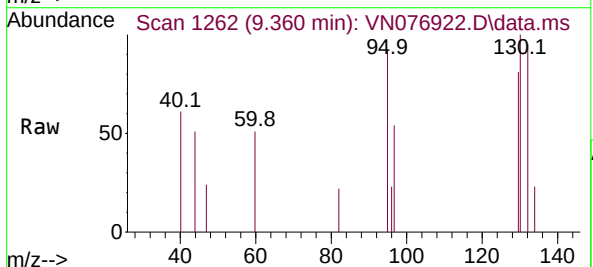
Instrument :
MSVOA_N
ClientSampleId :
IBLK

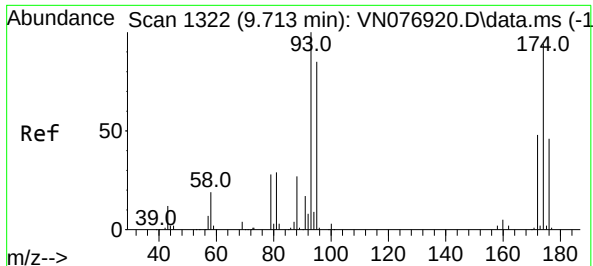
Tgt Ion: 78 Resp: 4395
Ion Ratio Lower Upper
78 100
77 16.8 19.3 28.9#



#44
Trichloroethene
Concen: 0.353 ug/l
RT: 9.360 min Scan# 1262
Delta R.T. -0.000 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

Tgt Ion:130 Resp: 1842
Ion Ratio Lower Upper
130 100
95 51.1 0.0 208.6





#46

Dibromomethane

Concen: 0.219 ug/l

RT: 9.724 min Scan# 1324

Delta R.T. 0.012 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

IBLK

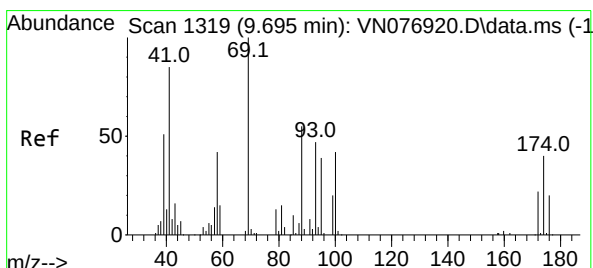
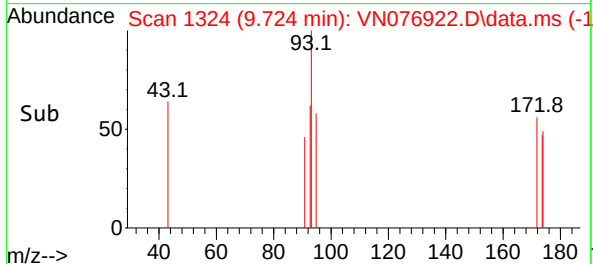
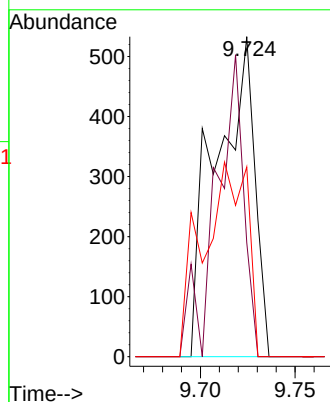
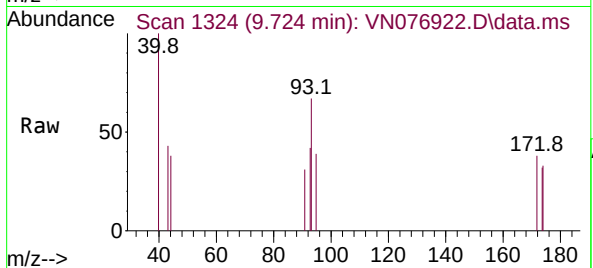
Tgt Ion: 93 Resp: 761

Ion Ratio Lower Upper

93 100

95 66.9 65.7 98.5

174 68.9 69.3 103.9#



#49

1,4-Dioxane

Concen: 0.959 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. 0.017 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

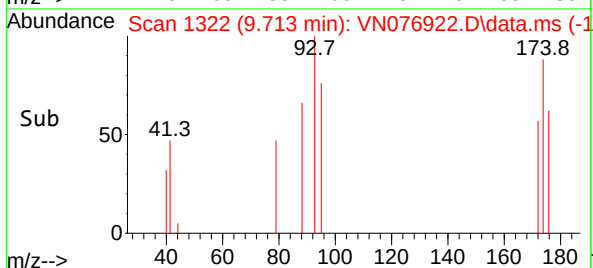
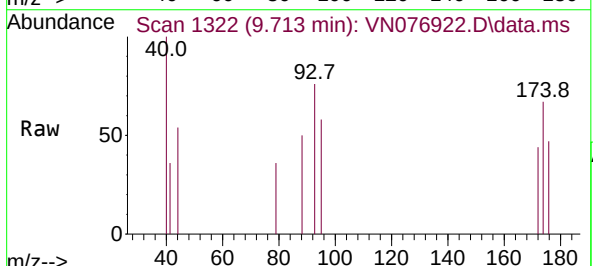
Tgt Ion: 88 Resp: 86

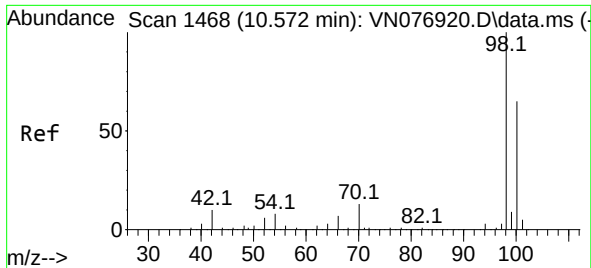
Ion Ratio Lower Upper

88 100

43 0.0 15.3 22.9#

58 0.0 47.6 71.4#

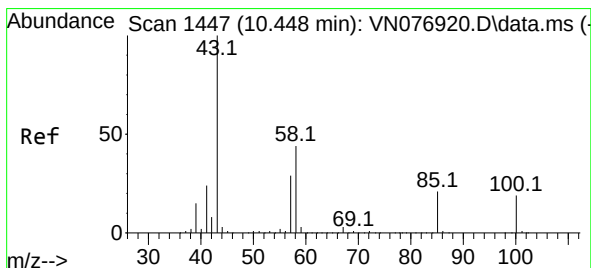
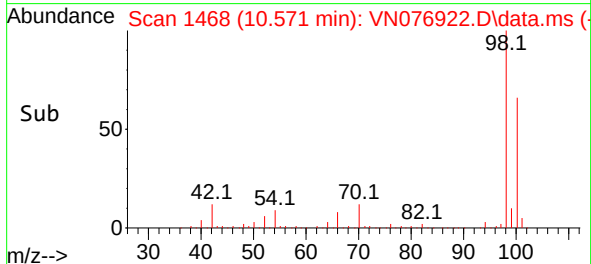
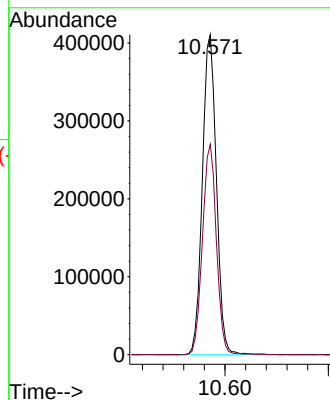
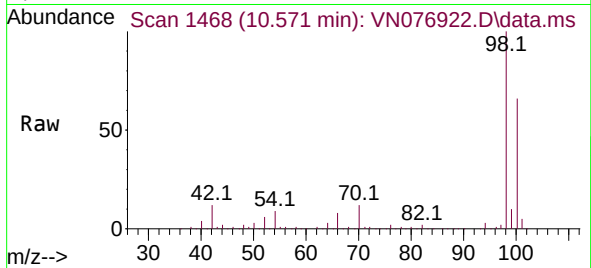




#50
Toluene-d8
Concen: 47.312 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

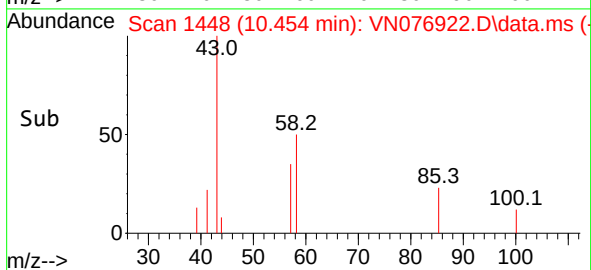
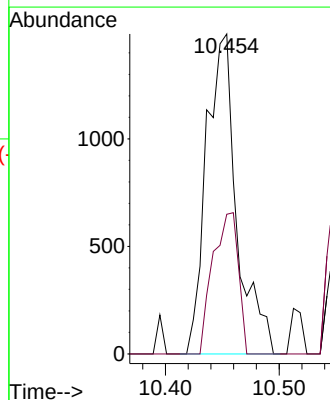
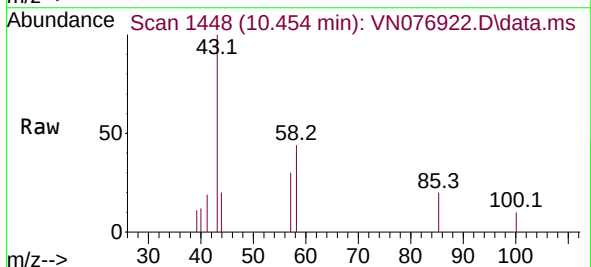
Instrument :
MSVOA_N
ClientSampleId :
IBLK

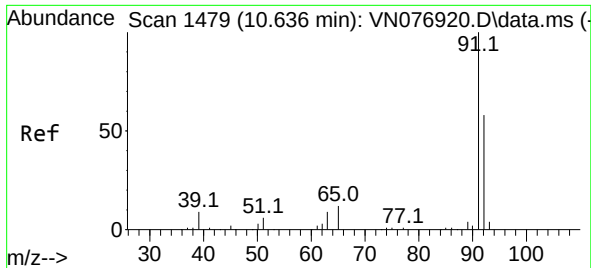
Tgt Ion: 98 Resp: 772056
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 0.478 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

Tgt Ion: 43 Resp: 2774
Ion Ratio Lower Upper
43 100
58 36.8 37.4 56.0#

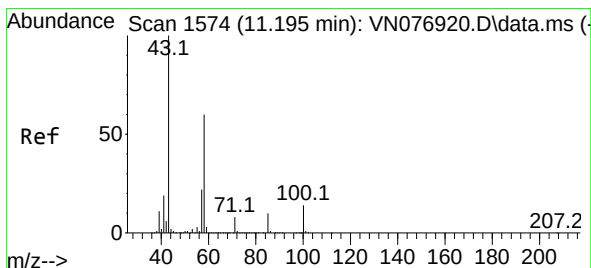
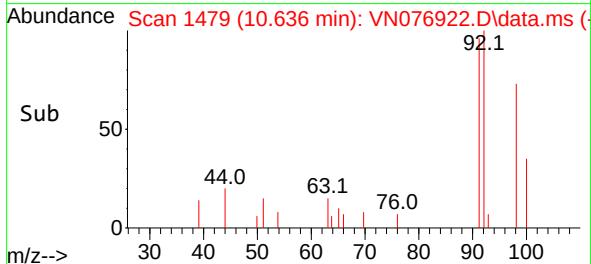
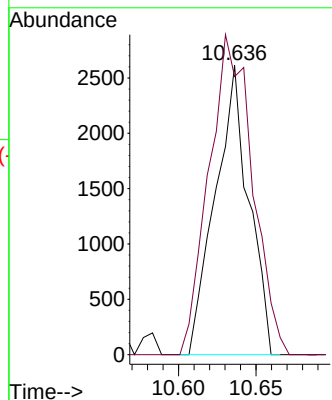
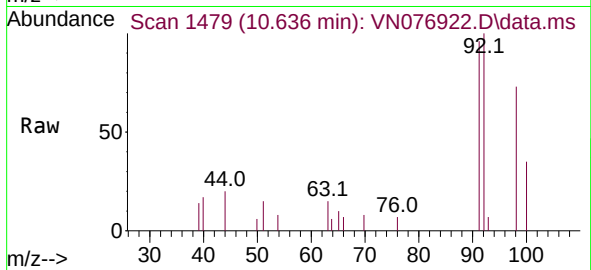




#52
Toluene
Concen: 0.316 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

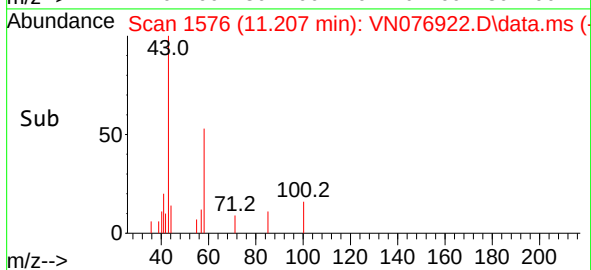
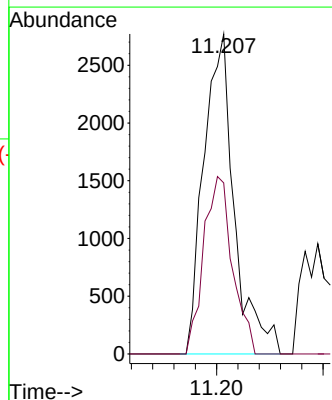
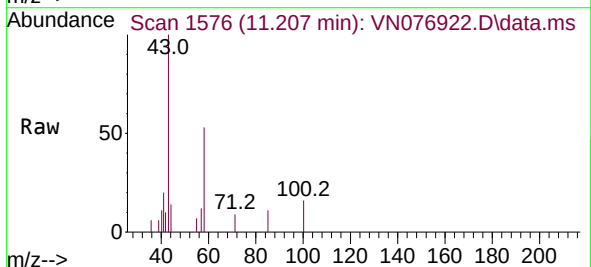
Instrument :
MSVOA_N
ClientSampleId :
IBLK

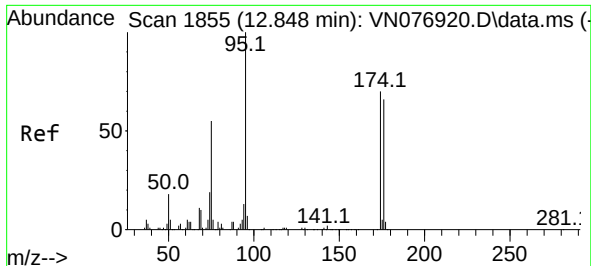
Tgt Ion: 92 Resp: 3928
Ion Ratio Lower Upper
92 100
91 143.3 138.2 207.2



#59
2-Hexanone
Concen: 1.303 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.012 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

Tgt Ion: 43 Resp: 5519
Ion Ratio Lower Upper
43 100
58 52.2 32.6 98.0

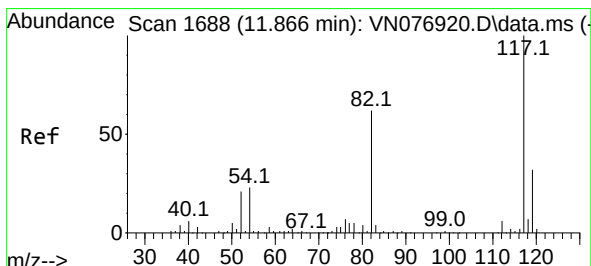
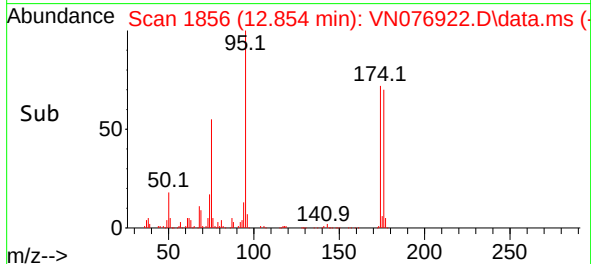
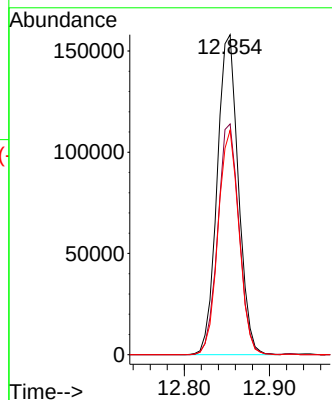
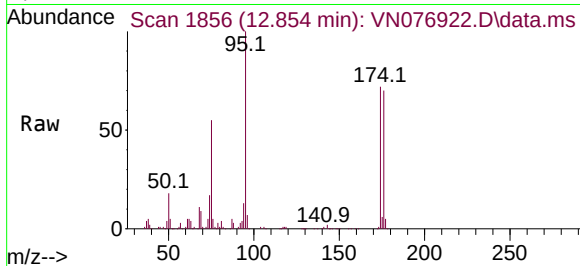




#62
4-Bromofluorobenzene
Concen: 45.753 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

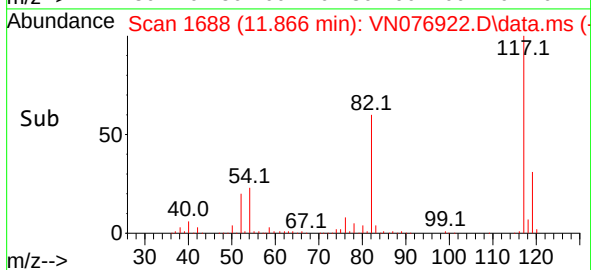
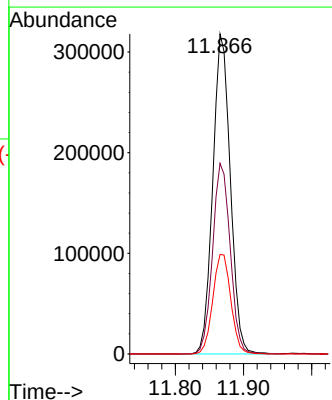
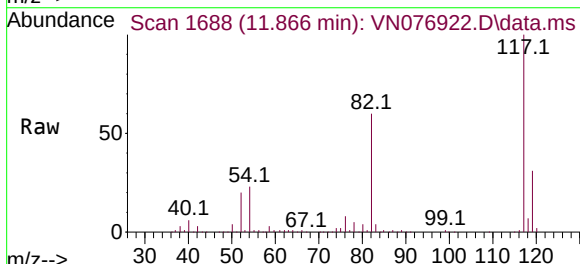
Instrument :
MSVOA_N
ClientSampleId :
IBLK

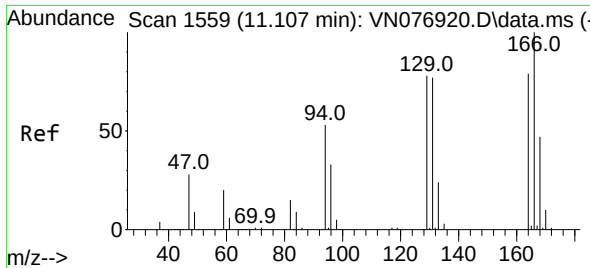
Tgt Ion: 95 Resp: 273085
Ion Ratio Lower Upper
95 100
174 72.2 0.0 162.4
176 69.1 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

Tgt Ion: 117 Resp: 569230
Ion Ratio Lower Upper
117 100
82 59.5 43.5 65.3
119 31.1 25.5 38.3



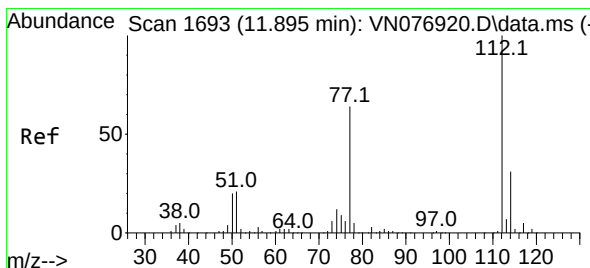
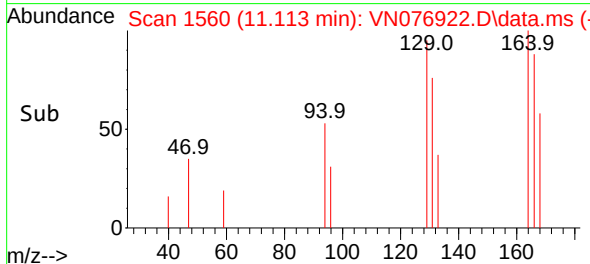
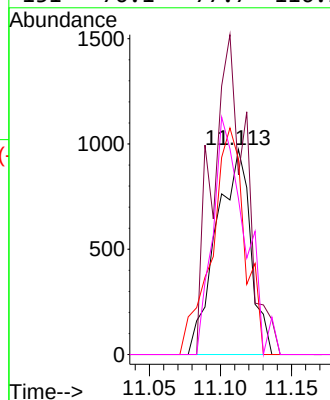
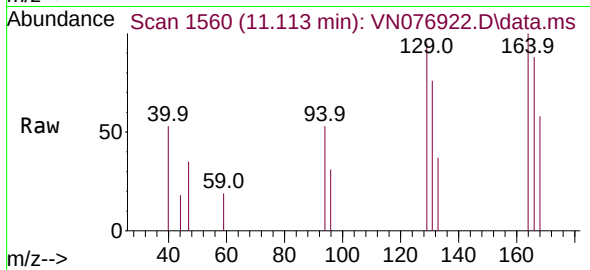


#64
Tetrachloroethene
Concen: 0.356 ug/l
RT: 11.113 min Scan# 1560
Delta R.T. 0.006 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:164 Resp: 1638

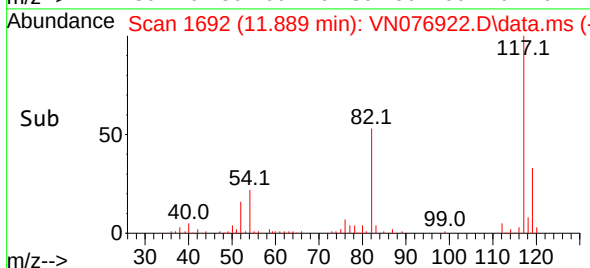
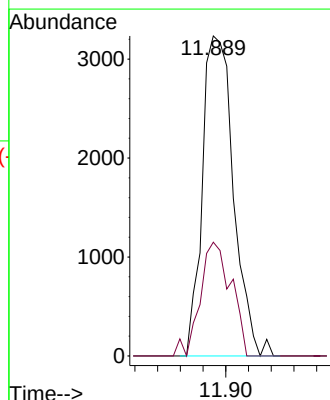
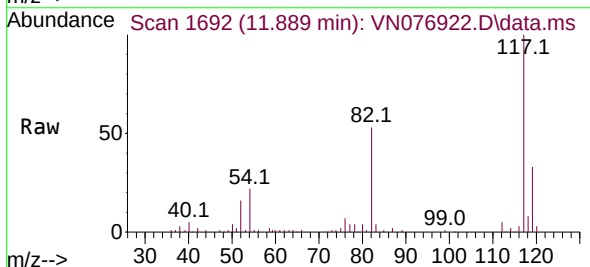
Ion	Ratio	Lower	Upper
164	100		
166	87.7	102.7	154.1#
129	95.5	81.5	122.3
131	76.1	77.7	116.5#

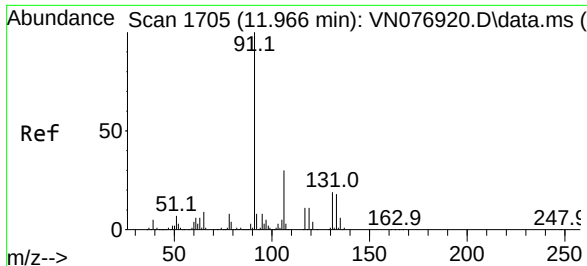


#65
Chlorobenzene
Concen: 0.484 ug/l
RT: 11.889 min Scan# 1692
Delta R.T. -0.006 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

Tgt Ion:112 Resp: 6160

Ion	Ratio	Lower	Upper
112	100		
114	35.6	25.8	38.8





#67

Ethyl Benzene

Concen: 0.296 ug/l

RT: 11.965 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

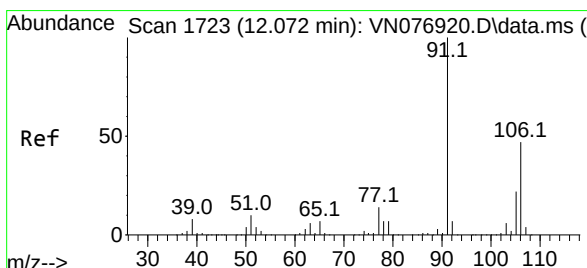
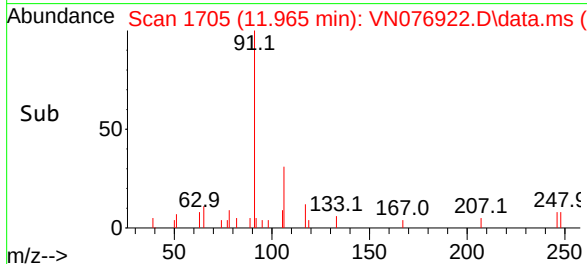
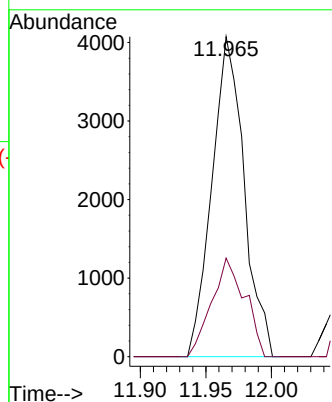
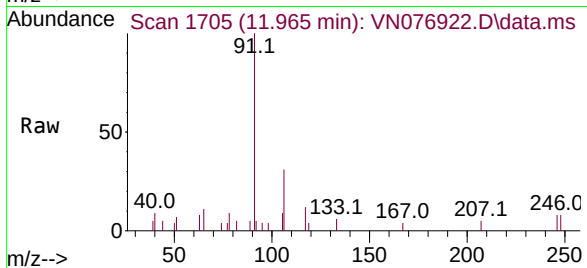
IBLK

Tgt Ion: 91 Resp: 6934

Ion Ratio Lower Upper

91 100

106 30.8 25.1 37.7



#68

m/p-Xylenes

Concen: 0.615 ug/l

RT: 12.077 min Scan# 1724

Delta R.T. 0.006 min

Lab File: VN076922.D

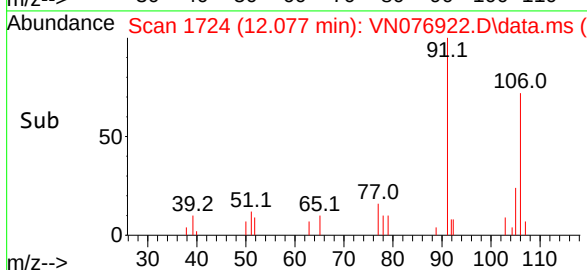
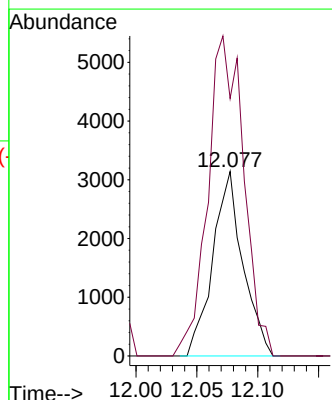
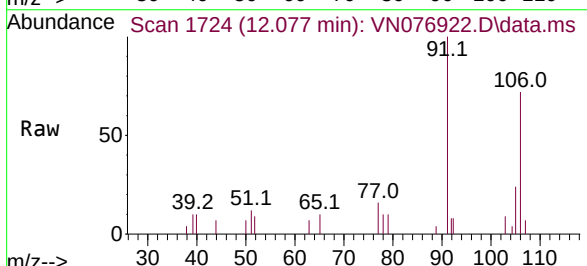
Acq: 10 Mar 2023 13:47

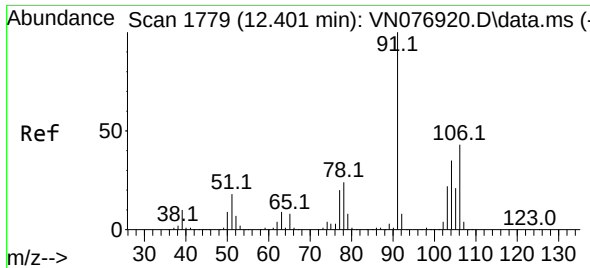
Tgt Ion: 106 Resp: 5413

Ion Ratio Lower Upper

106 100

91 205.7 158.0 237.0

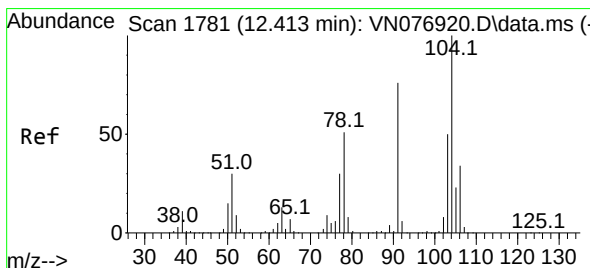
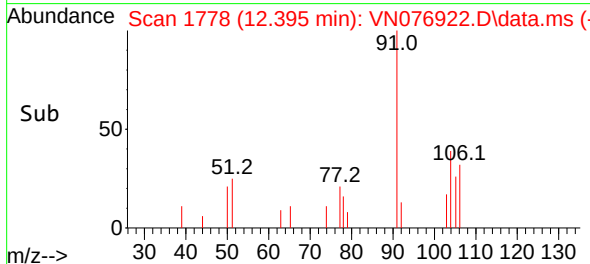
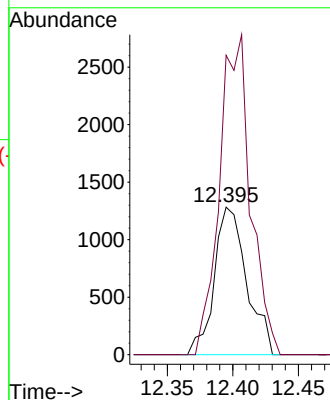
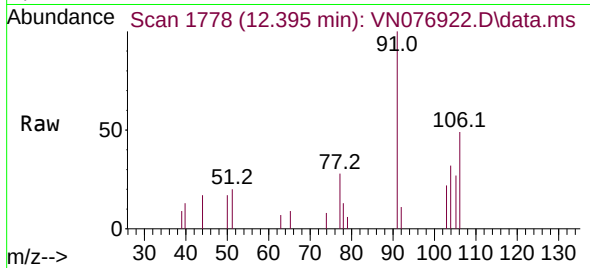




#69
o-Xylene
Concen: 0.259 ug/l
RT: 12.395 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

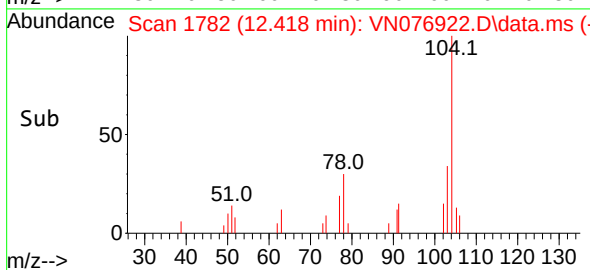
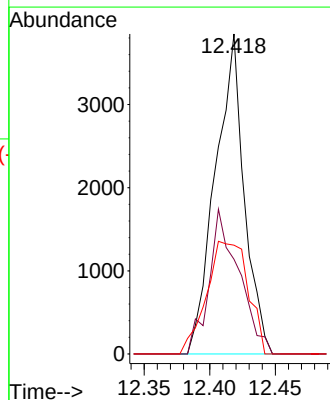
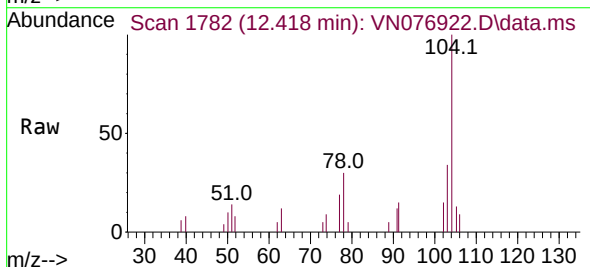
Instrument :
MSVOA_N
ClientSampleId :
IBLK

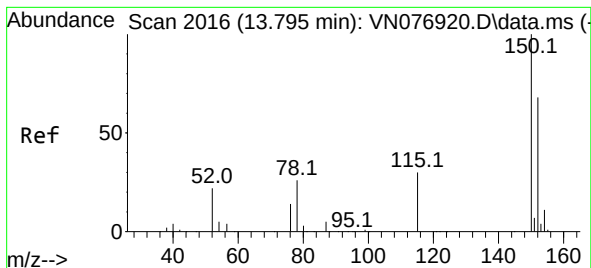
Tgt Ion:106 Resp: 2209
Ion Ratio Lower Upper
106 100
91 207.5 101.8 305.4



#70
Styrene
Concen: 0.427 ug/l
RT: 12.418 min Scan# 1782
Delta R.T. 0.006 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

Tgt Ion:104 Resp: 5889
Ion Ratio Lower Upper
104 100
78 47.0 36.6 55.0
103 50.2 43.4 65.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

IBLK

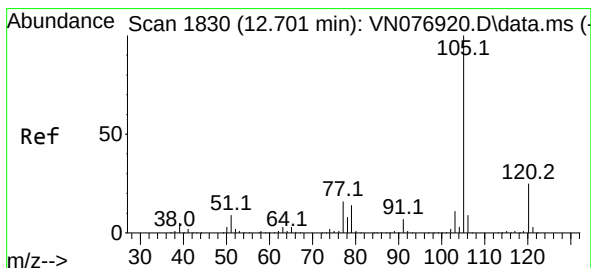
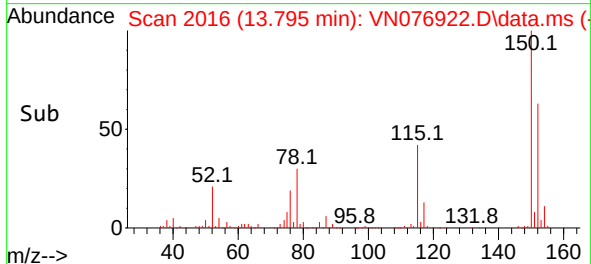
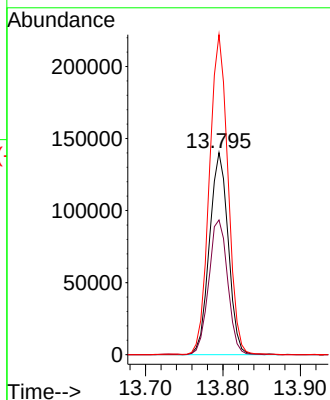
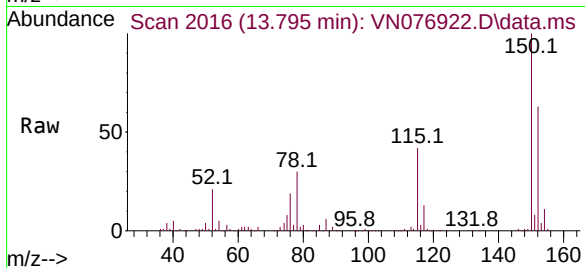
Tgt Ion:152 Resp: 235662

Ion Ratio Lower Upper

152 100

115 67.3 30.3 90.9

150 157.4 0.0 353.6



#73

Isopropylbenzene

Concen: 0.233 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. -0.000 min

Lab File: VN076922.D

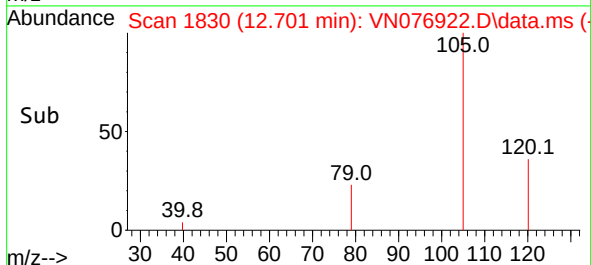
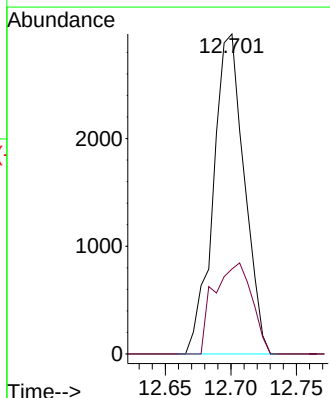
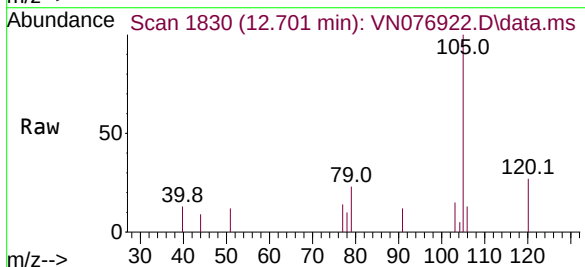
Acq: 10 Mar 2023 13:47

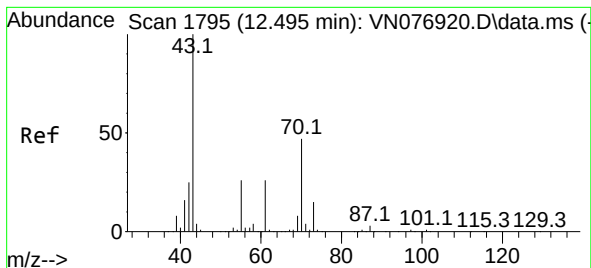
Tgt Ion:105 Resp: 4891

Ion Ratio Lower Upper

105 100

120 34.7 13.8 41.4





#74

N-amy1 acetate

Concen: 0.359 ug/l

RT: 12.495 min Scan# 1795

Delta R.T. -0.000 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion: 43 Resp: 2493

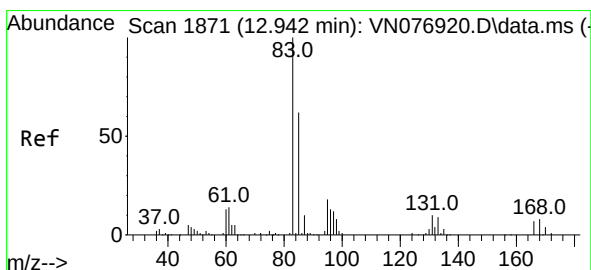
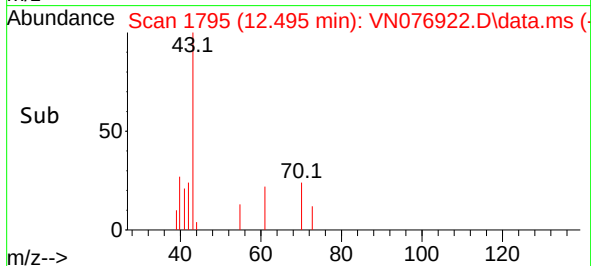
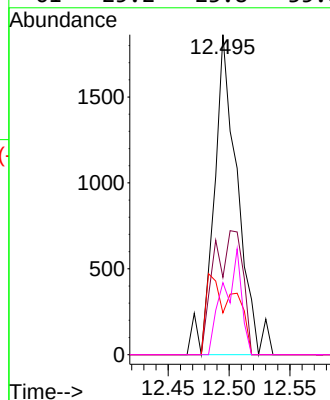
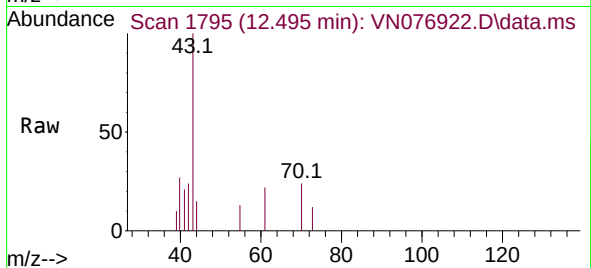
Ion Ratio Lower Upper

43 100

70 47.3 46.8 70.2

55 0.0 23.4 35.2#

61 25.2 23.8 35.8



#75

1,1,2,2-Tetrachloroethane

Concen: 0.252 ug/l

RT: 12.942 min Scan# 1871

Delta R.T. -0.000 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

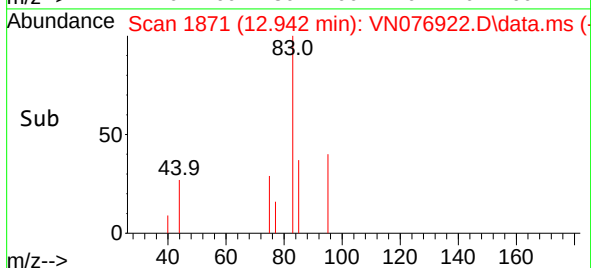
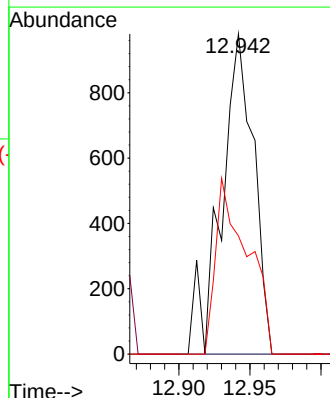
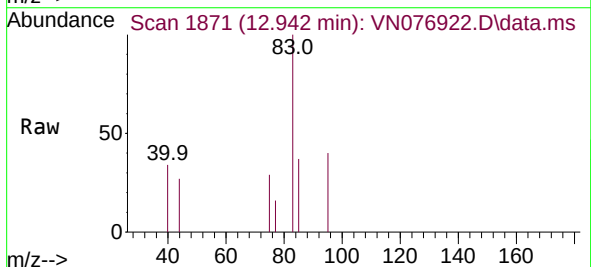
Tgt Ion: 83 Resp: 1557

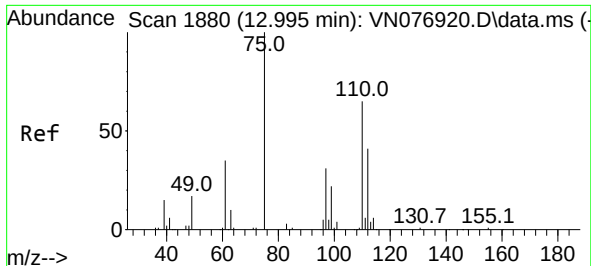
Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

85 53.7 32.0 96.0

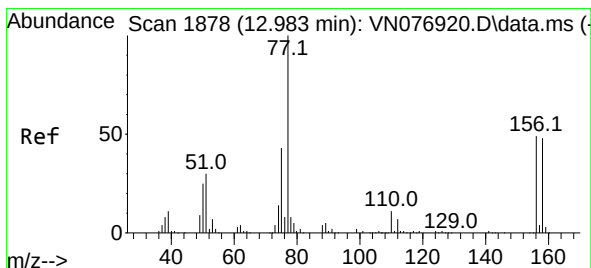
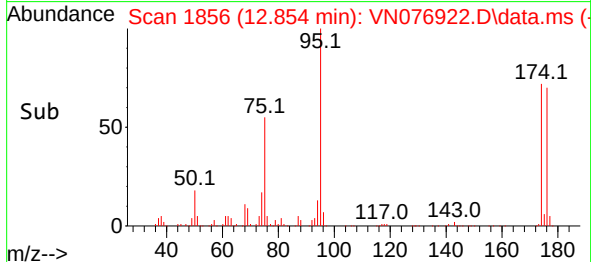
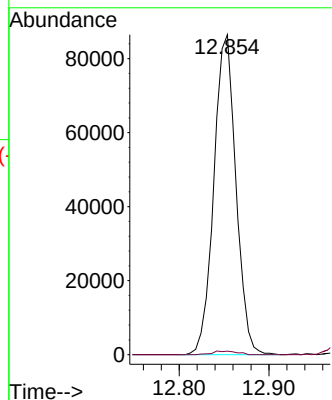
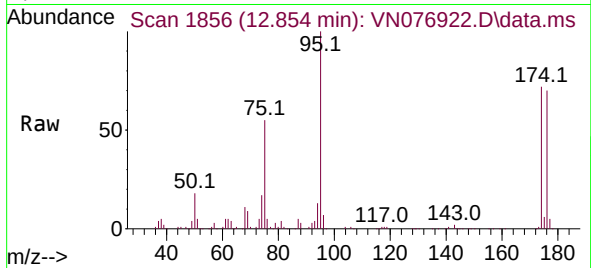




#76
1,2,3-Trichloropropane
Concen: 25.841 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

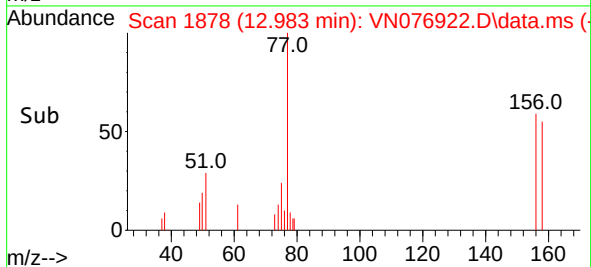
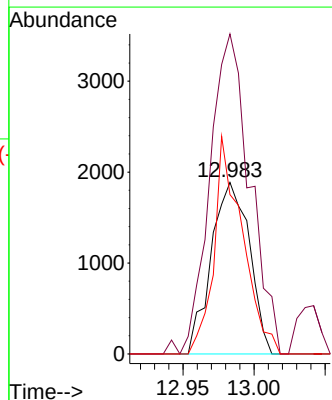
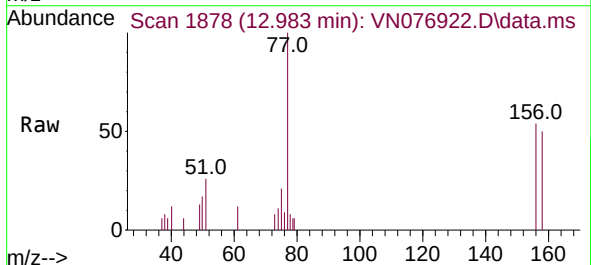
Instrument :
MSVOA_N
ClientSampleId :
IBLK

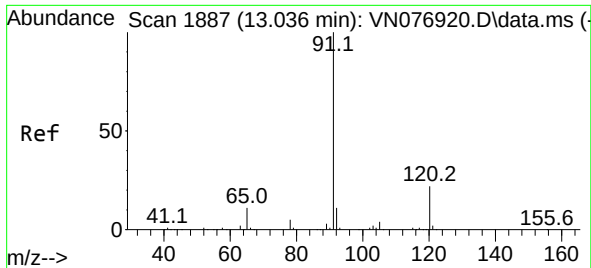
Tgt Ion: 75 Resp: 147640
Ion Ratio Lower Upper
75 100
77 1.3 93.8 281.4#



#77
Bromobenzene
Concen: 0.749 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

Tgt Ion:156 Resp: 3516
Ion Ratio Lower Upper
156 100
77 197.5 101.3 303.7
158 94.6 48.9 146.7

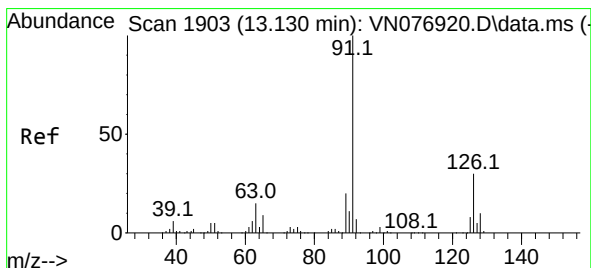
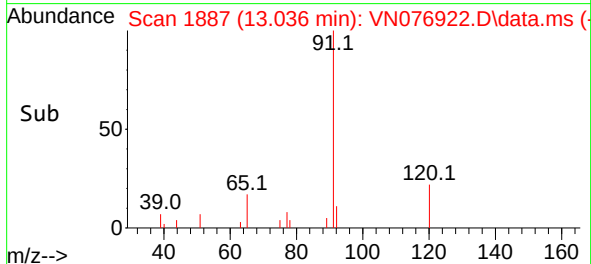
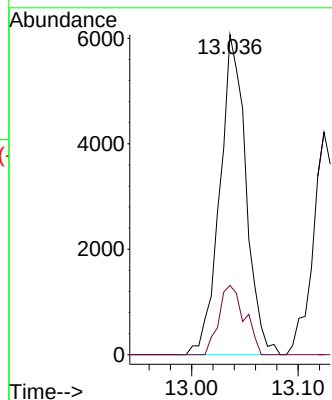
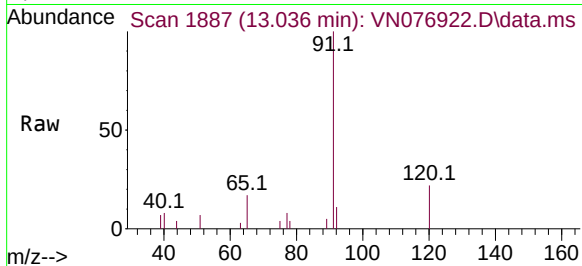




#78
n-propylbenzene
Concen: 0.441 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. -0.000 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

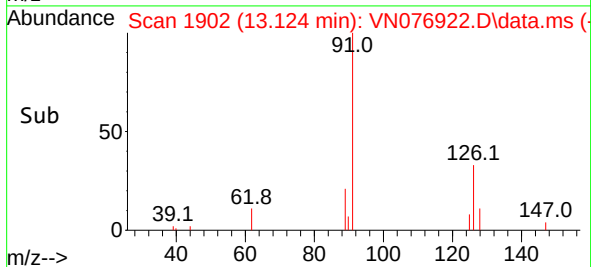
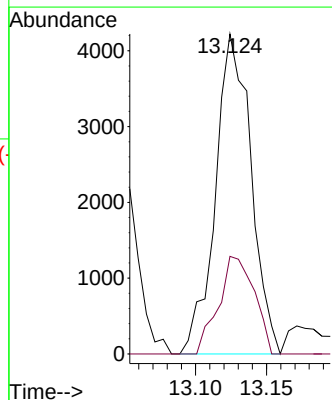
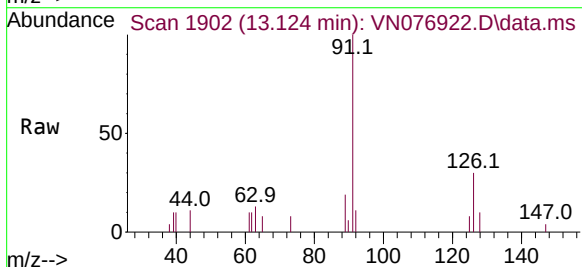
Instrument :
MSVOA_N
ClientSampleId :
IBLK

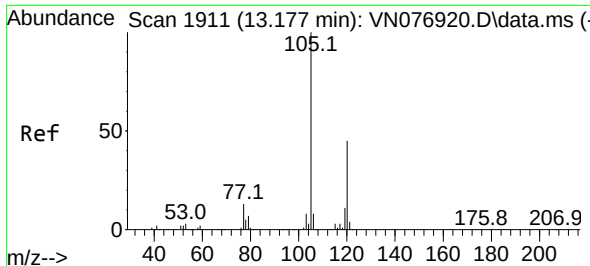
Tgt Ion: 91 Resp: 10317
Ion Ratio Lower Upper
91 100
120 21.3 11.9 35.7



#79
2-Chlorotoluene
Concen: 0.485 ug/l
RT: 13.124 min Scan# 1902
Delta R.T. -0.006 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

Tgt Ion: 91 Resp: 7360
Ion Ratio Lower Upper
91 100
126 30.6 17.7 53.1

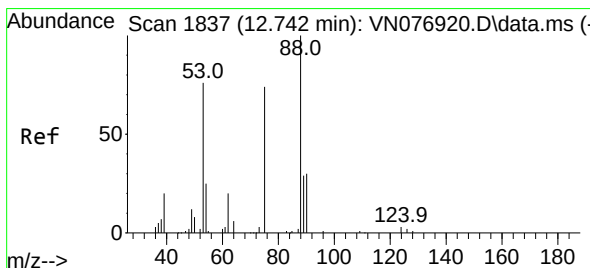
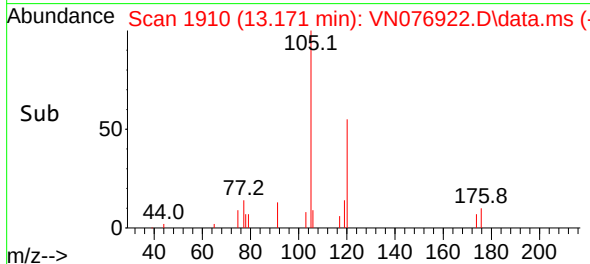
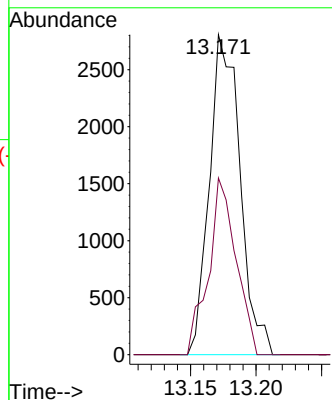
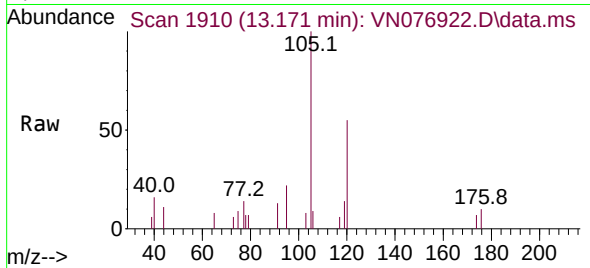




#80
 1,3,5-Trimethylbenzene
 Concen: 0.255 ug/l
 RT: 13.171 min Scan# 1911
 Delta R.T. -0.006 min
 Lab File: VN076922.D
 Acq: 10 Mar 2023 13:47

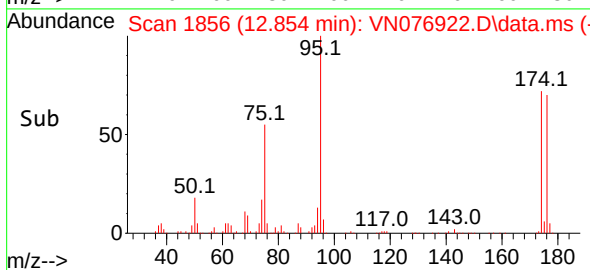
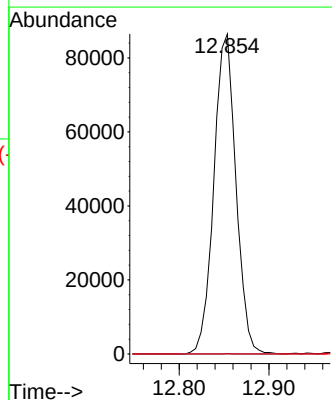
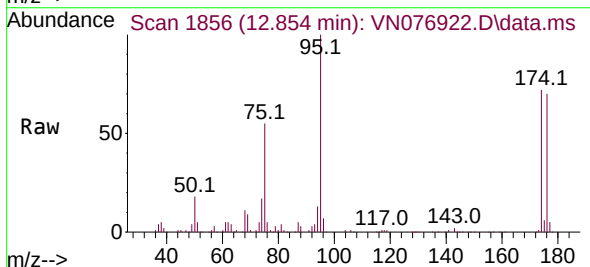
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

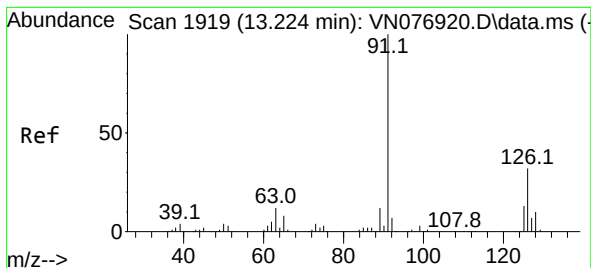
Tgt Ion:105 Resp: 4564
 Ion Ratio Lower Upper
 105 100
 120 49.5 25.2 75.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.409 ug/l
 RT: 12.854 min Scan# 1856
 Delta R.T. 0.112 min
 Lab File: VN076922.D
 Acq: 10 Mar 2023 13:47

Tgt Ion: 75 Resp: 147640
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.0#
 89 0.0 39.5 59.3#

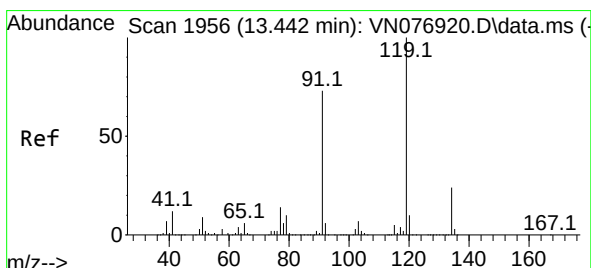
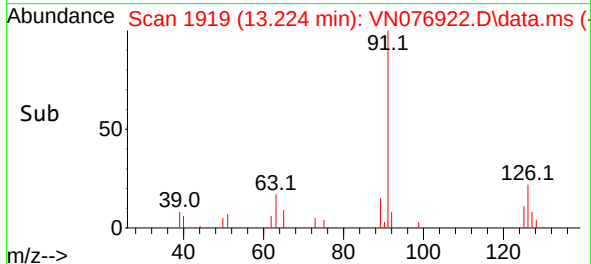
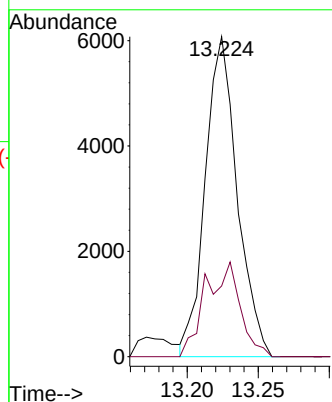
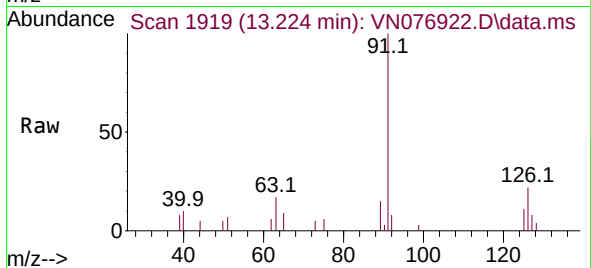




#82
4-Chlorotoluene
Concen: 0.662 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. -0.000 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

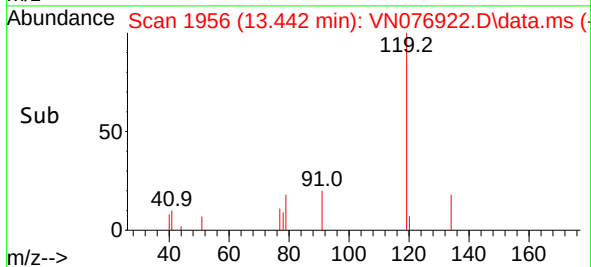
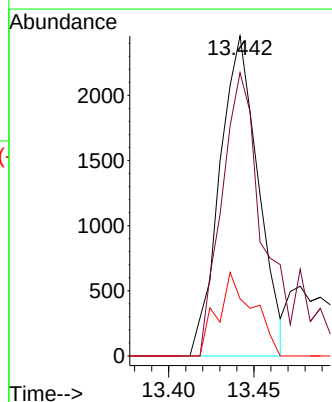
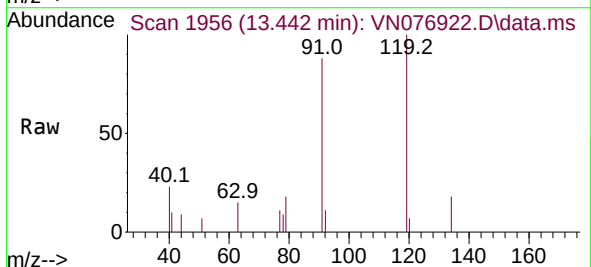
Instrument :
MSVOA_N
ClientSampleId :
IBLK

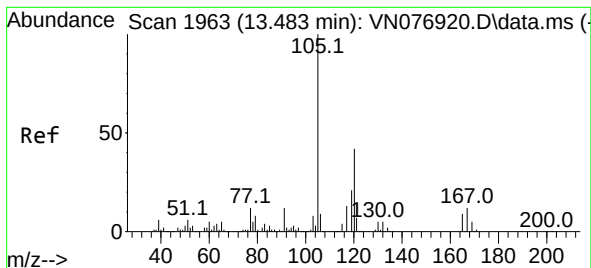
Tgt Ion: 91 Resp: 9488
Ion Ratio Lower Upper
91 100
126 32.2 18.0 54.0



#83
tert-Butylbenzene
Concen: 0.254 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

Tgt Ion: 119 Resp: 3865
Ion Ratio Lower Upper
119 100
91 92.0 31.9 95.5
134 24.0 13.8 41.4





#84

1,2,4-Trimethylbenzene

Concen: 0.309 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

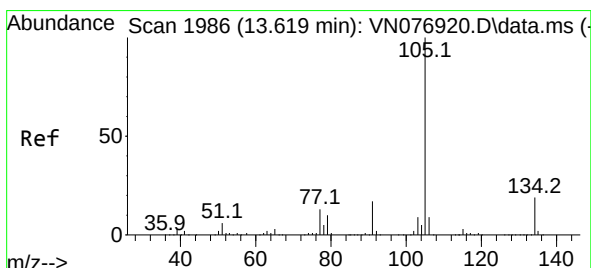
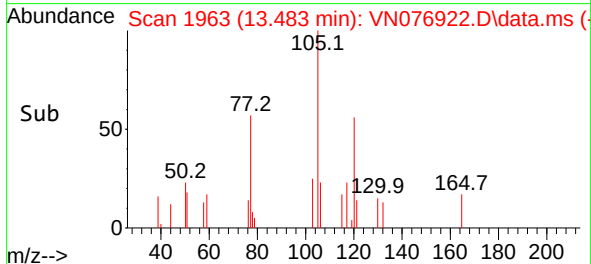
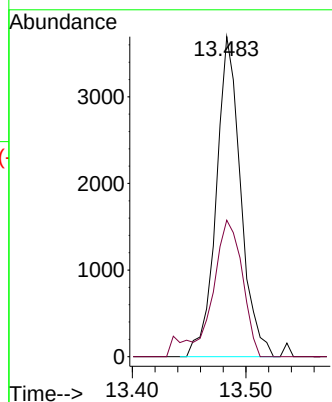
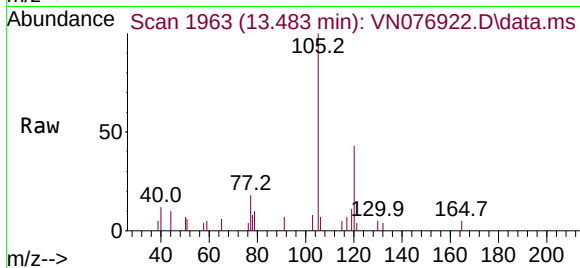
IBLK

Tgt Ion:105 Resp: 5531

Ion Ratio Lower Upper

105 100

120 48.7 23.6 70.8



#85

sec-Butylbenzene

Concen: 0.311 ug/l

RT: 13.618 min Scan# 1986

Delta R.T. -0.000 min

Lab File: VN076922.D

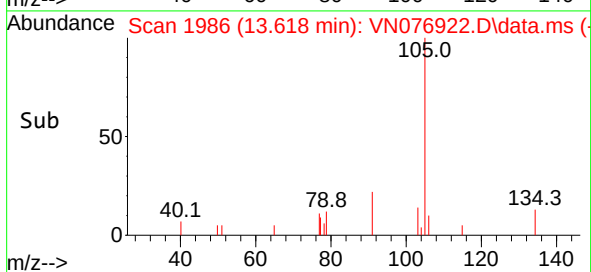
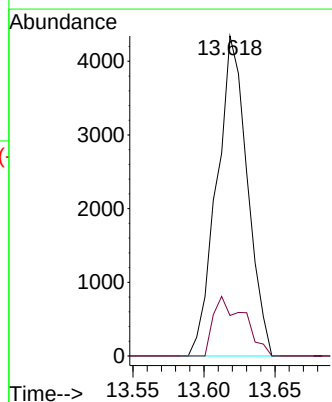
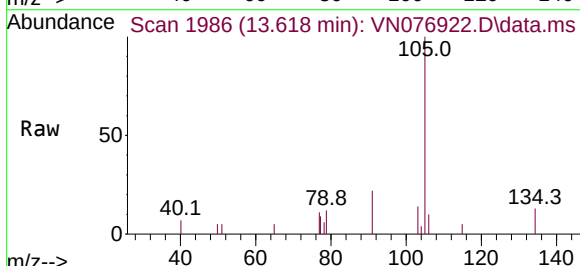
Acq: 10 Mar 2023 13:47

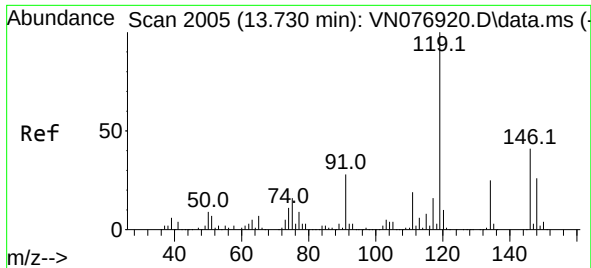
Tgt Ion:105 Resp: 6486

Ion Ratio Lower Upper

105 100

134 18.8 10.4 31.2

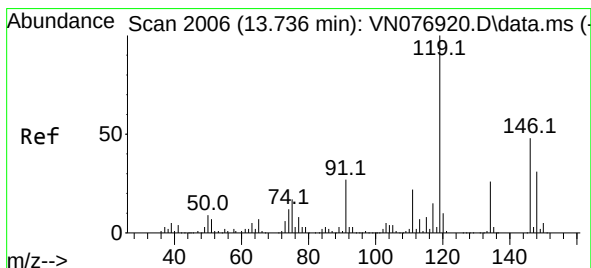
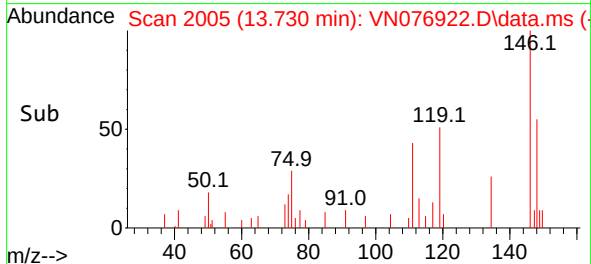
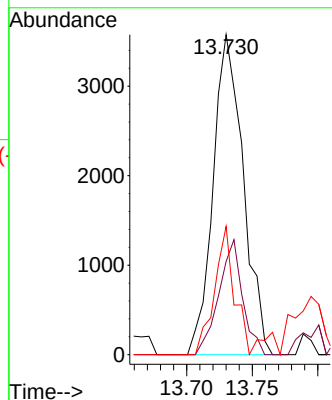
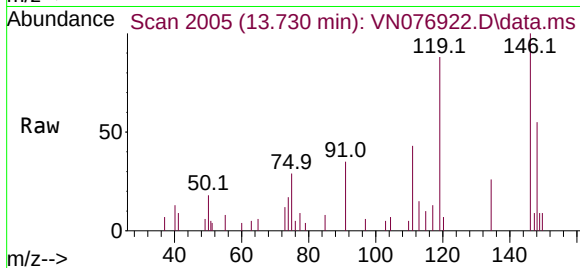




#86
p-Isopropyltoluene
Concen: 0.340 ug/l
RT: 13.730 min Scan# 2005
Delta R.T. -0.000 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

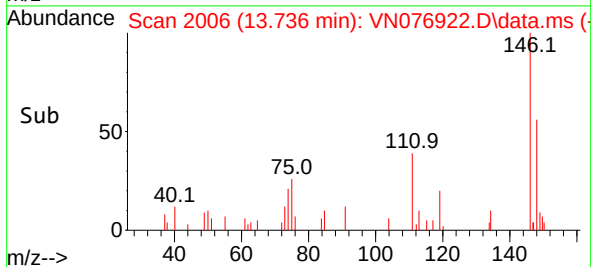
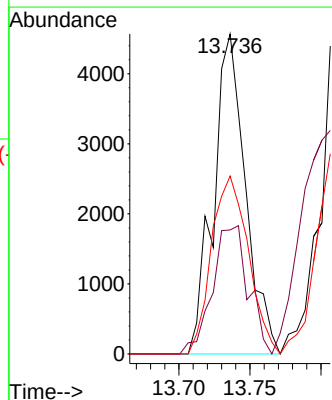
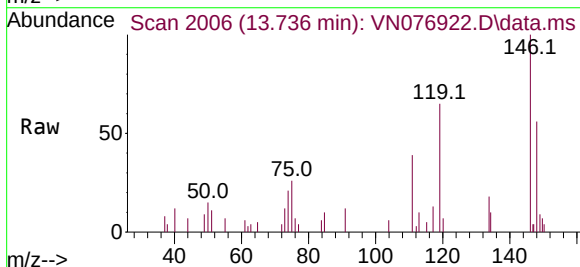
Instrument :
MSVOA_N
ClientSampleId :
IBLK

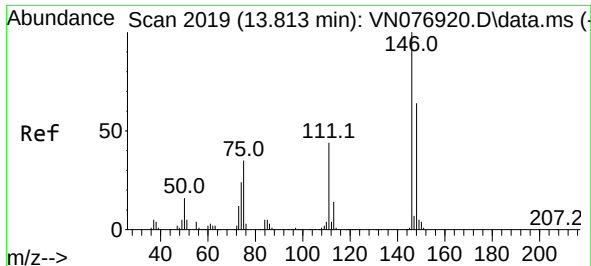
Tgt Ion:119	Resp:	5717
Ion	Ratio	Lower Upper
119	100	
134	28.3	13.5 40.5
91	28.4	11.2 33.6



#87
1,3-Dichlorobenzene
Concen: 0.838 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. -0.000 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

Tgt Ion:146	Resp:	7167
Ion	Ratio	Lower Upper
146	100	
111	44.8	20.4 61.2
148	63.8	31.5 94.5

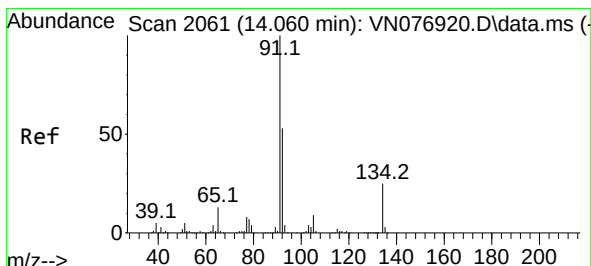
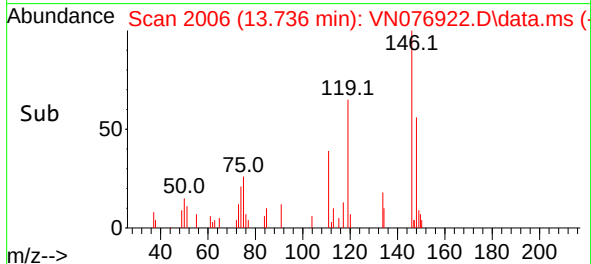
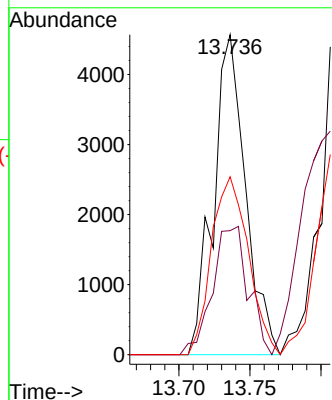
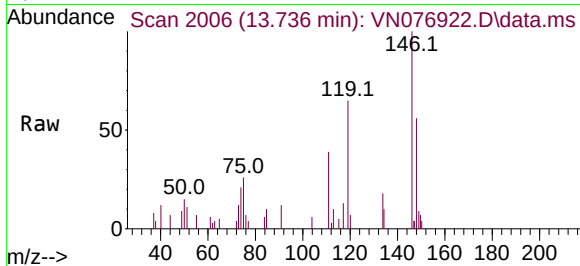




#88
1,4-Dichlorobenzene
Concen: 0.835 ug/l
RT: 13.736 min Scan# 2019
Delta R.T. -0.077 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

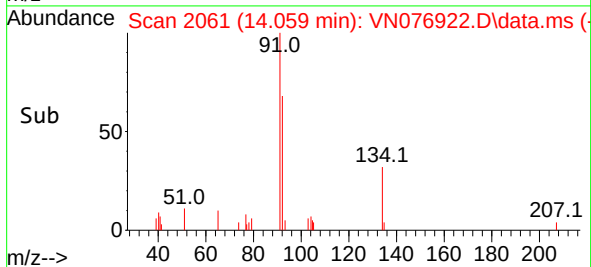
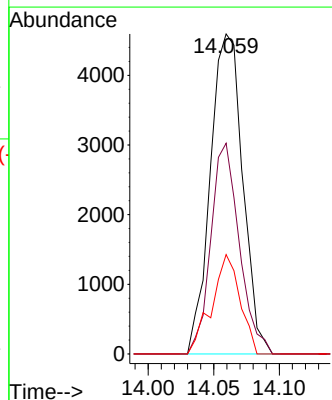
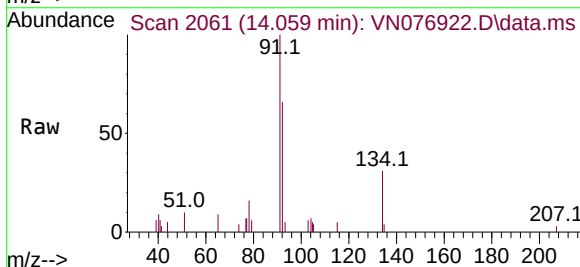
Instrument :
MSVOA_N
ClientSampleId :
IBLK

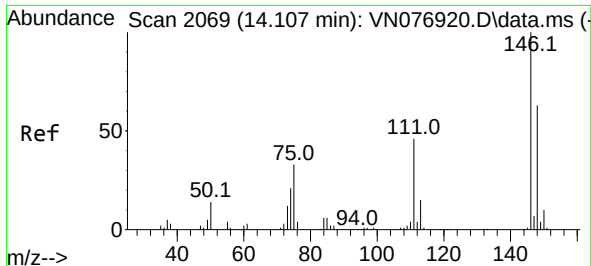
Tgt Ion:146 Resp: 7167
Ion Ratio Lower Upper
146 100
111 44.8 20.0 60.0
148 63.8 31.8 95.4



#89
n-Butylbenzene
Concen: 0.562 ug/l
RT: 14.059 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

Tgt Ion: 91 Resp: 7889
Ion Ratio Lower Upper
91 100
92 58.0 26.6 79.7
134 27.1 13.6 40.7





#91

1,2-Dichlorobenzene

Concen: 0.820 ug/l

RT: 14.107 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

IBLK

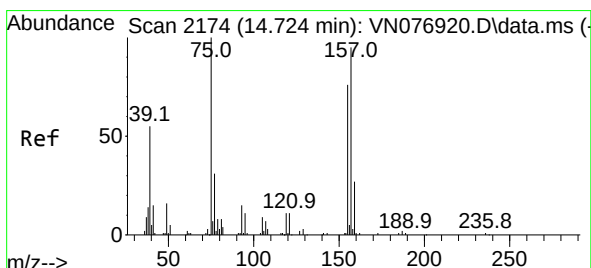
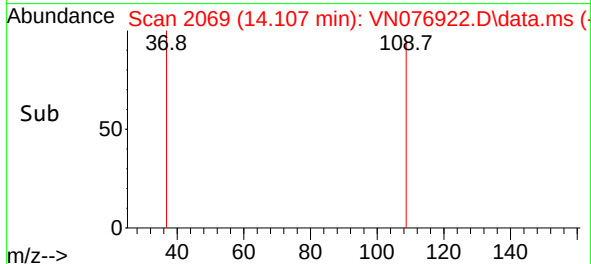
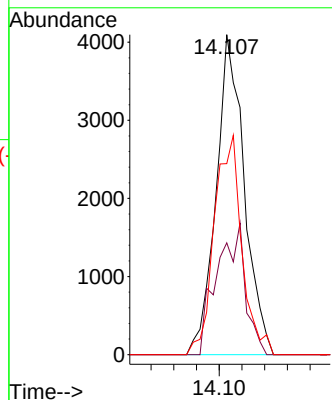
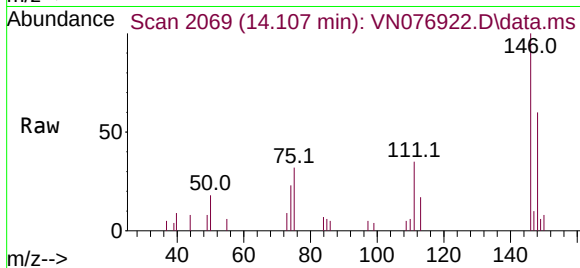
Tgt Ion:146 Resp: 7051

Ion Ratio Lower Upper

146 100

111 41.4 21.4 64.2

148 67.1 32.0 96.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.687 ug/l

RT: 14.712 min Scan# 2172

Delta R.T. -0.012 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

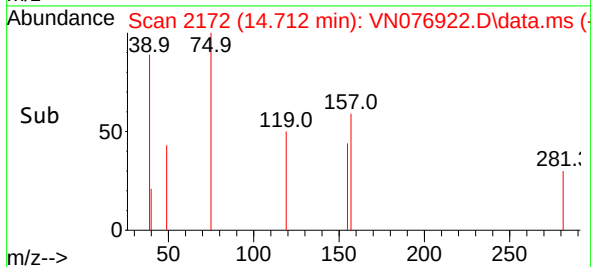
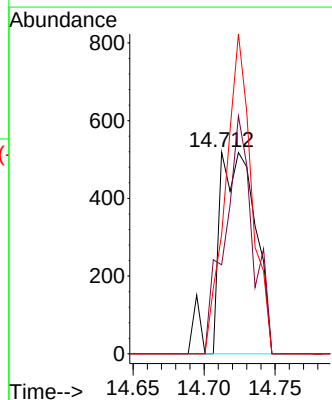
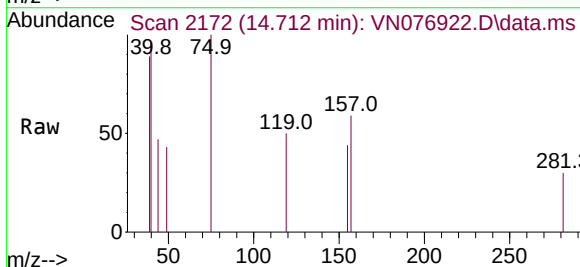
Tgt Ion: 75 Resp: 937

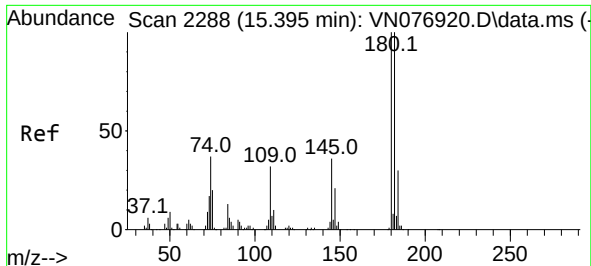
Ion Ratio Lower Upper

75 100

155 90.2 44.3 132.8

157 112.4 58.3 174.8

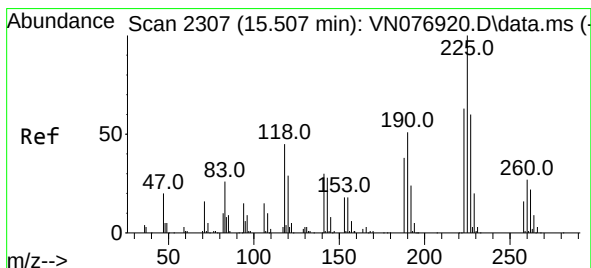
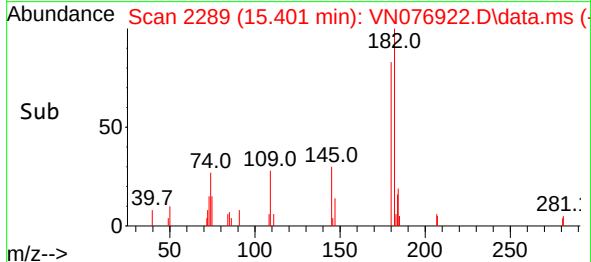
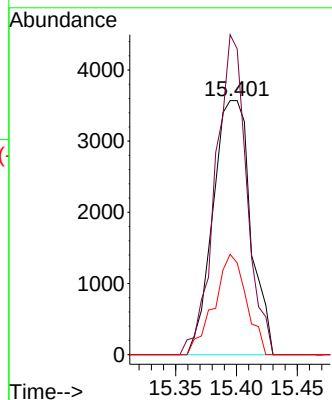
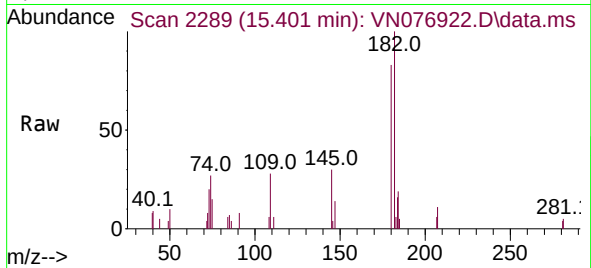




#93
1,2,4-Trichlorobenzene
Concen: 1.605 ug/l
RT: 15.401 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

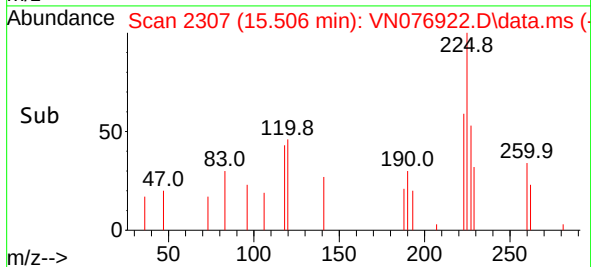
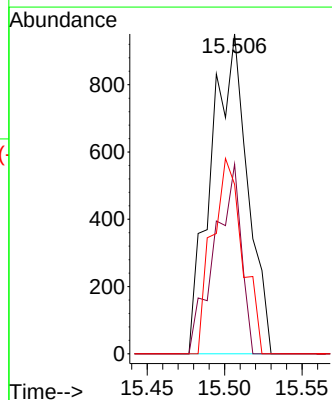
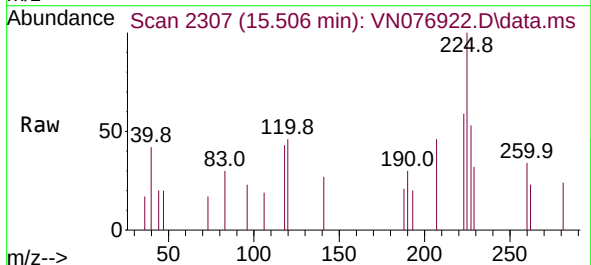
Instrument :
MSVOA_N
ClientSampleId :
IBLK

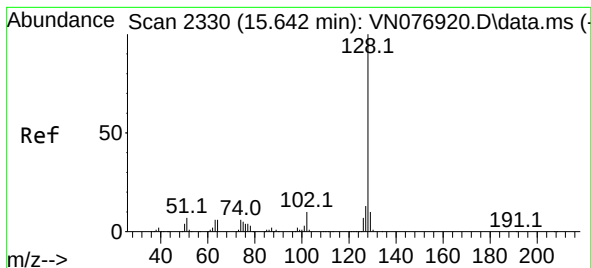
Tgt Ion:180 Resp: 7669
Ion Ratio Lower Upper
180 100
182 104.8 47.4 142.2
145 33.9 15.8 47.3



#94
Hexachlorobutadiene
Concen: 0.614 ug/l
RT: 15.506 min Scan# 2307
Delta R.T. -0.000 min
Lab File: VN076922.D
Acq: 10 Mar 2023 13:47

Tgt Ion:225 Resp: 1563
Ion Ratio Lower Upper
225 100
223 43.0 31.4 94.0
227 50.7 30.9 92.7





#95

Naphthalene

Concen: 2.494 ug/l

RT: 15.648 min Scan# 2330

Delta R.T. 0.006 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

IBLK

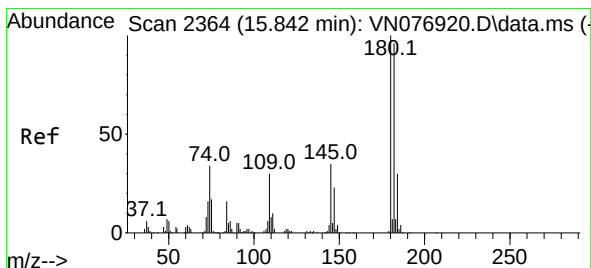
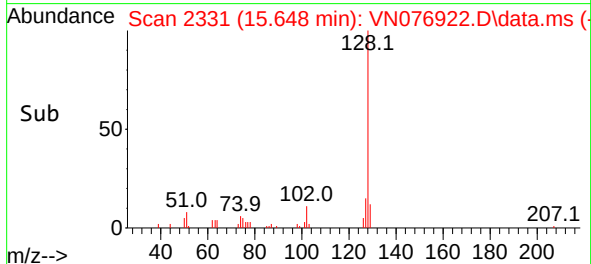
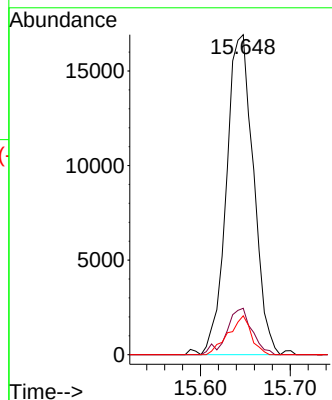
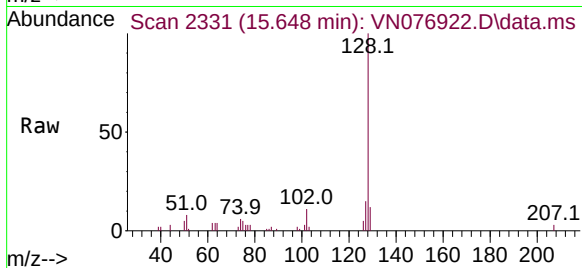
Tgt Ion:128 Resp: 35478

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.4

129 10.2 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 1.955 ug/l

RT: 15.848 min Scan# 2365

Delta R.T. 0.006 min

Lab File: VN076922.D

Acq: 10 Mar 2023 13:47

Tgt Ion:180 Resp: 9072

Ion Ratio Lower Upper

180 100

182 107.5 47.7 143.1

145 42.3 17.0 51.0

