

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080723\
 Data File : VX036834.D
 Acq On : 07 Aug 2023 14:04
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Aug 08 01:34:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

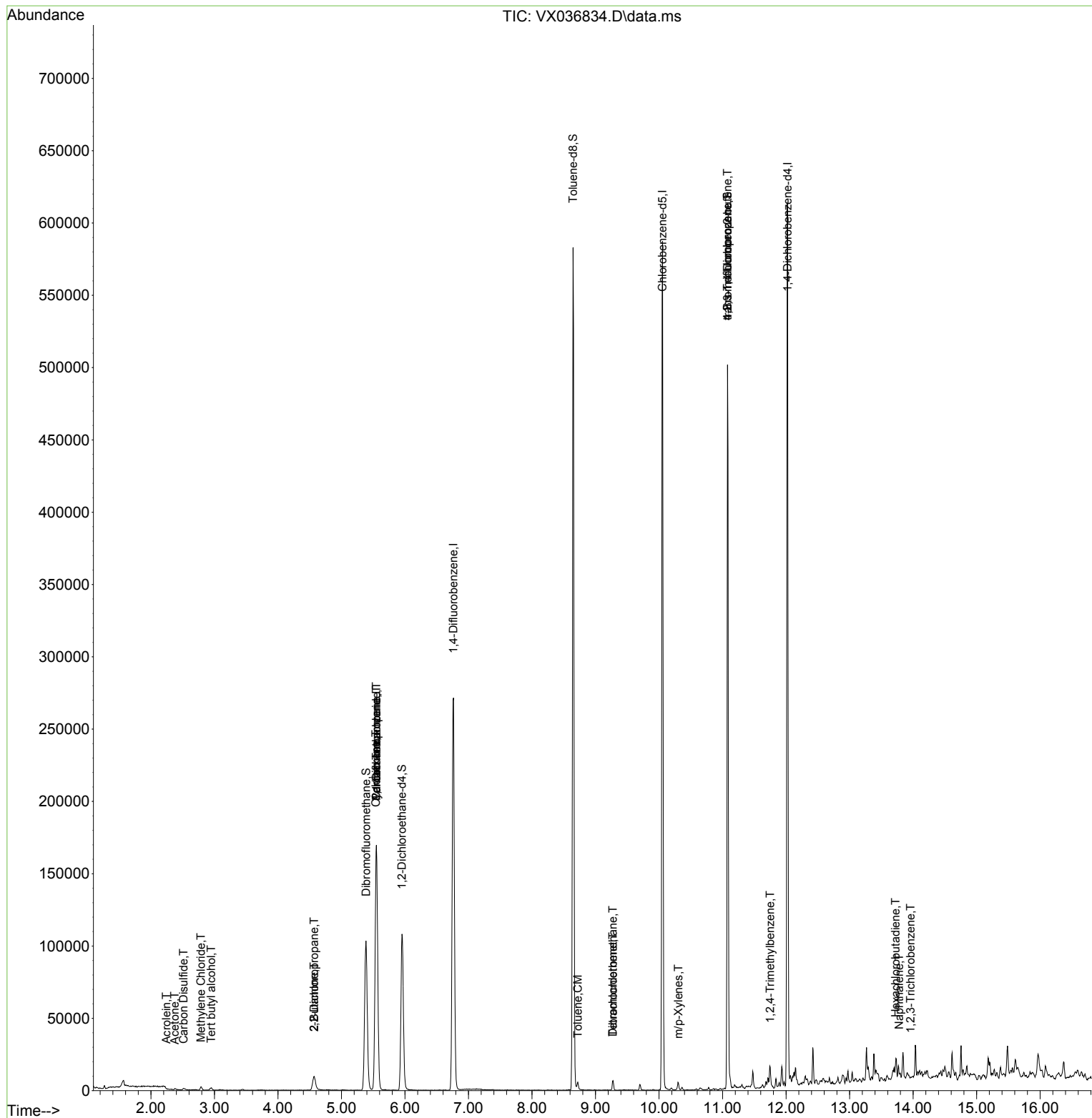
Internal Standards						
1) Pentafluorobenzene	5.550	168	158202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	285043	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	268603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	128384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	107477	45.914	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.820%		
35) Dibromofluoromethane	5.385	113	91487	46.695	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.400%		
50) Toluene-d8	8.647	98	343208	49.398	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.800%		
62) 4-Bromofluorobenzene	11.079	95	135692	51.765	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.520%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	1189	2.146	ug/l #	78
13) Acrolein	2.239	56	193	0.610	ug/l #	14
16) Acetone	2.373	43	904	0.931	ug/l	97
17) Carbon Disulfide	2.514	76	1224	0.250	ug/l #	92
20) Methylene Chloride	2.788	84	1257	0.582	ug/l #	74
25) 2-Butanone	4.568	43	551	0.350	ug/l #	51
26) 2,2-Dichloropropane	4.568	77	851	0.243	ug/l #	54
31) Cyclohexane	5.544	56	3724	1.149	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	13019	4.458	ug/l #	52
38) Carbon Tetrachloride	5.550	117	16800	5.411	ug/l #	15
52) Toluene	8.720	92	1936	0.364	ug/l	92
60) Dibromochloromethane	9.275	129	1263	0.513	ug/l #	11
64) Tetrachloroethene	9.275	164	1288	0.643	ug/l #	82
68) m/p-Xylenes	10.305	106	1126	0.279	ug/l	86
76) 1,2,3-Trichloropropane	11.079	75	70192	23.244	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	70192	52.685	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	1857	0.209	ug/l	86
94) Hexachlorobutadiene	13.725	225	497	0.451	ug/l	88
95) Naphthalene	13.780	128	1999	0.215	ug/l #	80
96) 1,2,3-Trichlorobenzene	13.963	180	533	0.203	ug/l #	70

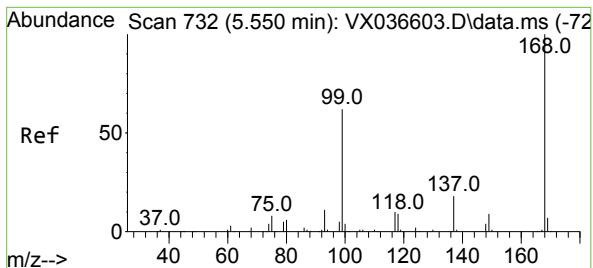
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX036834.D

Acq: 07 Aug 2023 14:04

Instrument :

MSVOA_X

ClientSampleId :

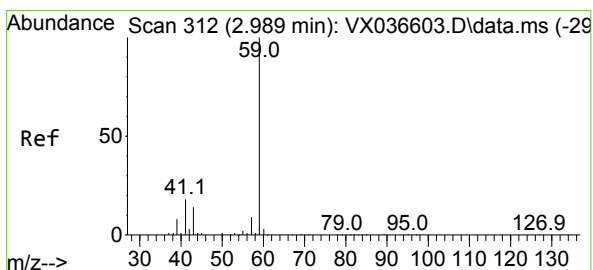
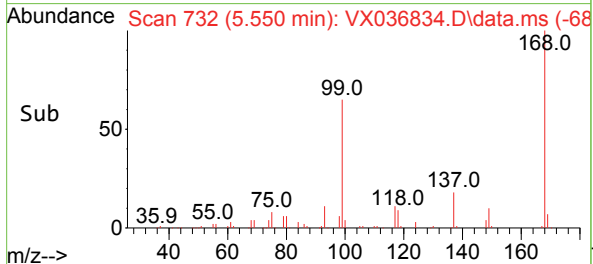
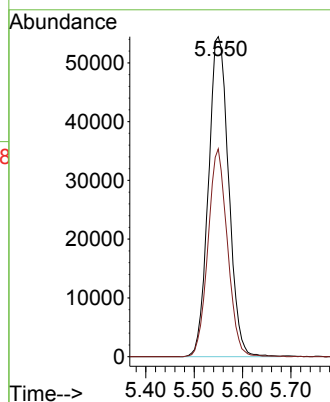
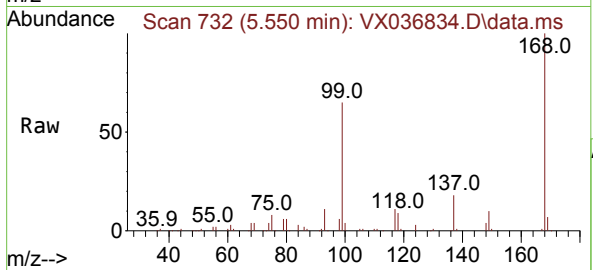
IBLK

Tgt Ion:168 Resp: 158202

Ion Ratio Lower Upper

168 100

99 64.9 56.6 85.0



#11

Tert butyl alcohol

Concen: 2.146 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.043 min

Lab File: VX036834.D

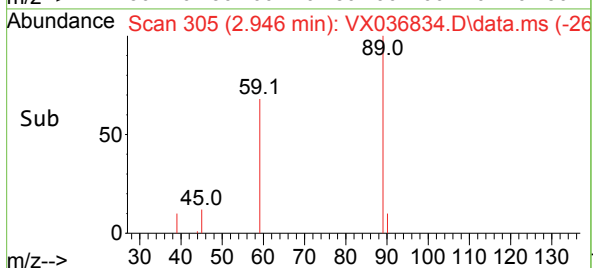
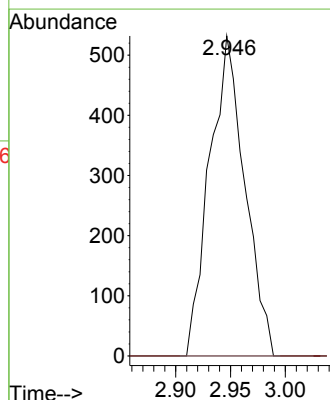
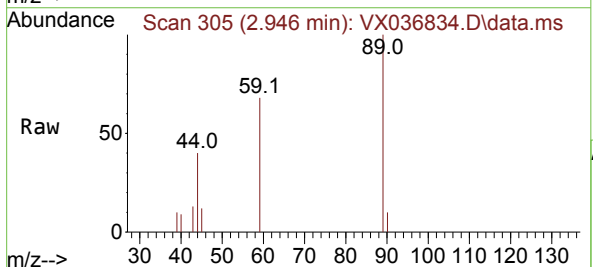
Acq: 07 Aug 2023 14:04

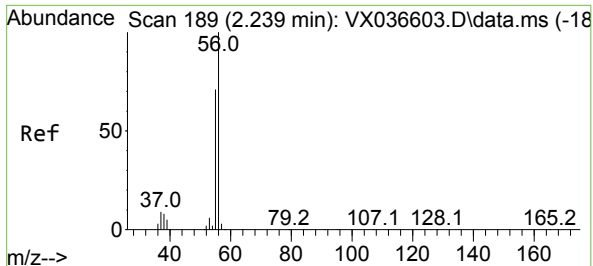
Tgt Ion: 59 Resp: 1189

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.610 ug/l

RT: 2.239 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX036834.D

Acq: 07 Aug 2023 14:04

Instrument :

MSVOA_X

ClientSampleId :

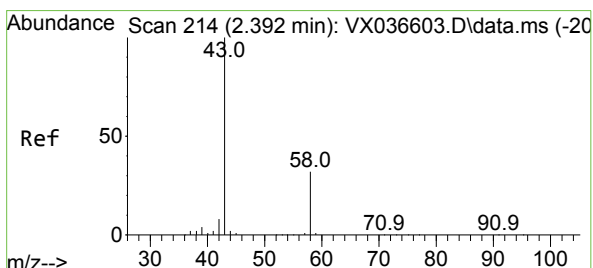
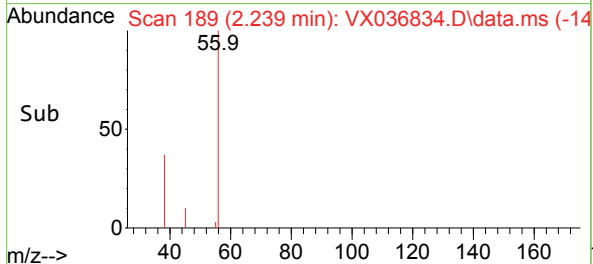
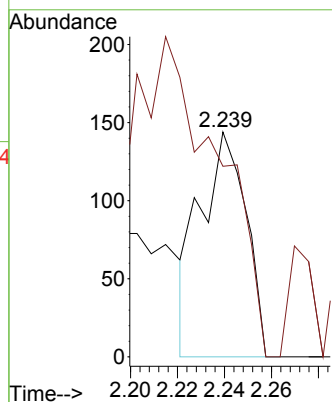
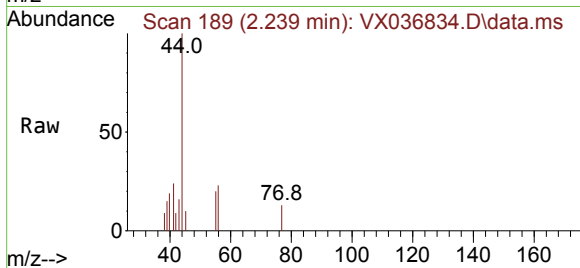
IBLK

Tgt Ion: 56 Resp: 193

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#16

Acetone

Concen: 0.931 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.018 min

Lab File: VX036834.D

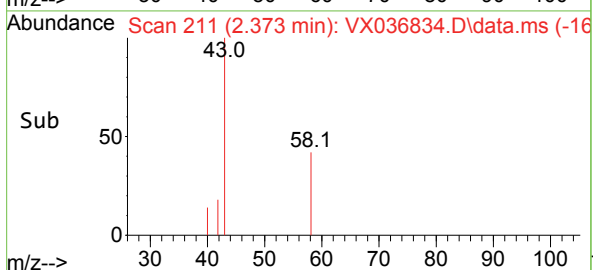
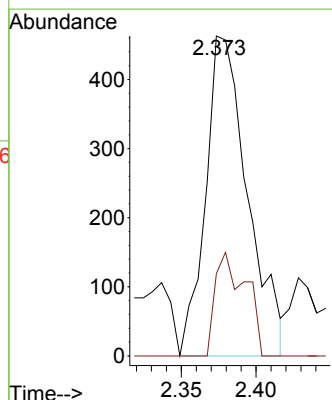
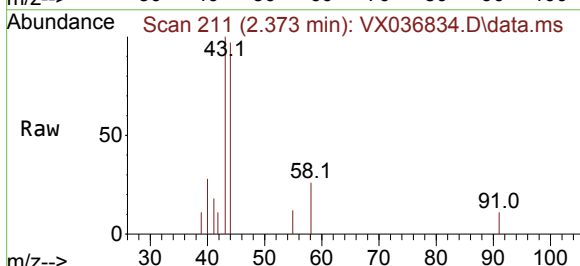
Acq: 07 Aug 2023 14:04

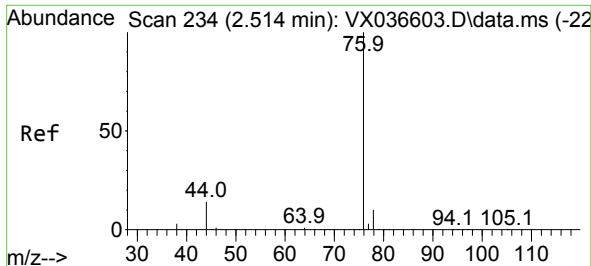
Tgt Ion: 43 Resp: 904

Ion Ratio Lower Upper

43 100

58 25.7 21.9 32.9





#17

Carbon Disulfide

Concen: 0.250 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX036834.D

Acq: 07 Aug 2023 14:04

Instrument :

MSVOA_X

ClientSampleId :

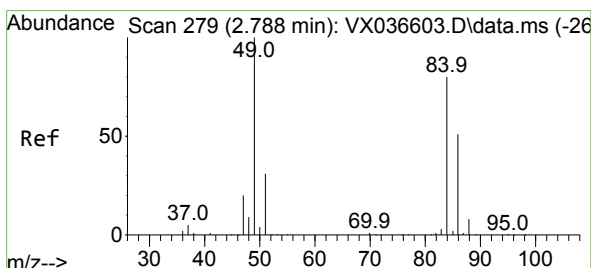
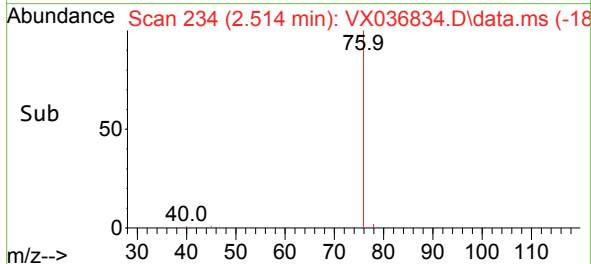
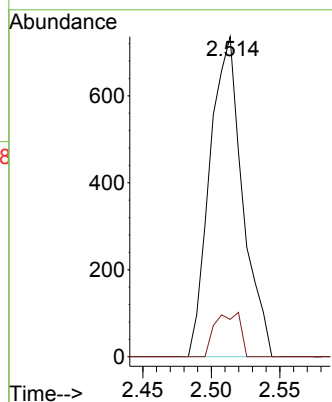
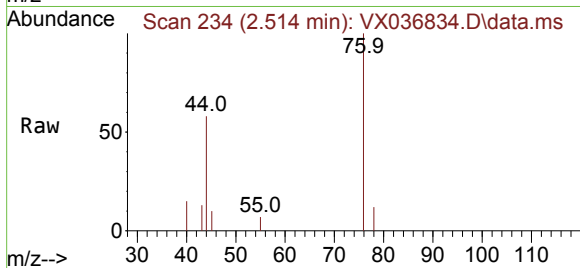
IBLK

Tgt Ion: 76 Resp: 1224

Ion Ratio Lower Upper

76 100

78 11.7 7.0 10.6#



#20

Methylene Chloride

Concen: 0.582 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX036834.D

Acq: 07 Aug 2023 14:04

Tgt Ion: 84 Resp: 1257

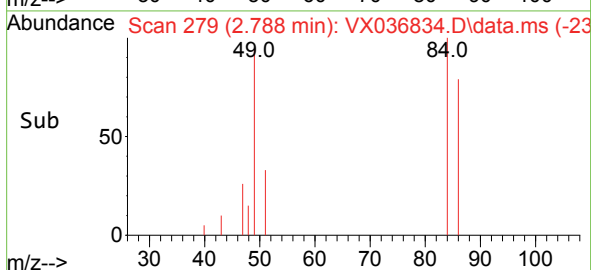
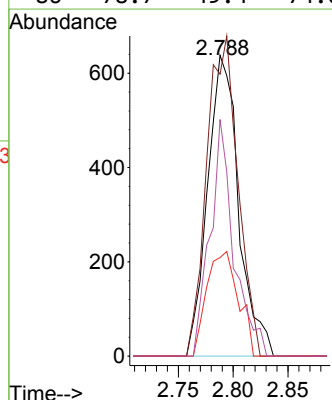
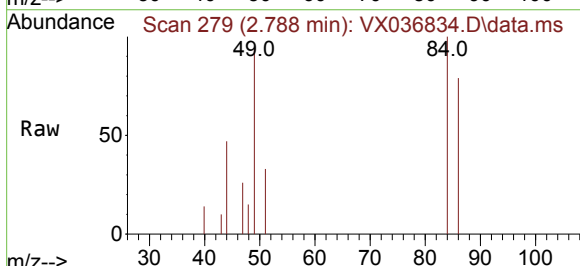
Ion Ratio Lower Upper

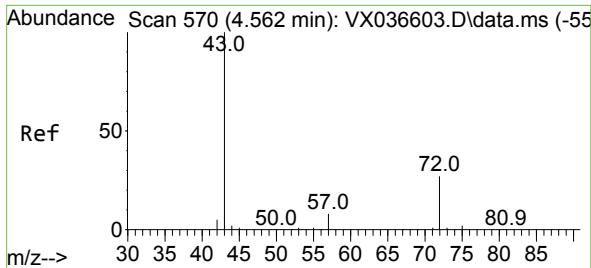
84 100

49 93.7 103.6 155.4#

51 32.8 33.8 50.6#

86 78.7 49.4 74.0#





#25

2-Butanone

Concen: 0.350 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX036834.D

Acq: 07 Aug 2023 14:04

Instrument :

MSVOA_X

ClientSampleId :

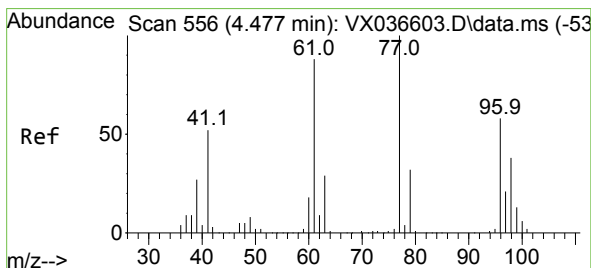
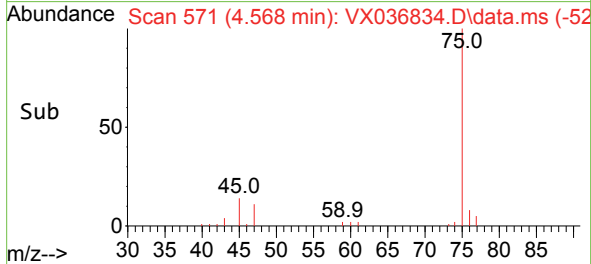
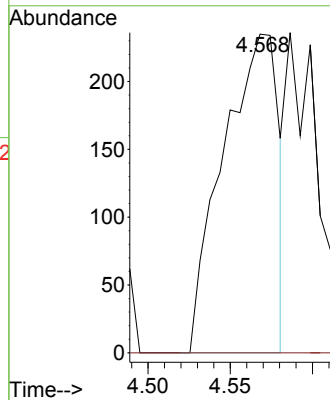
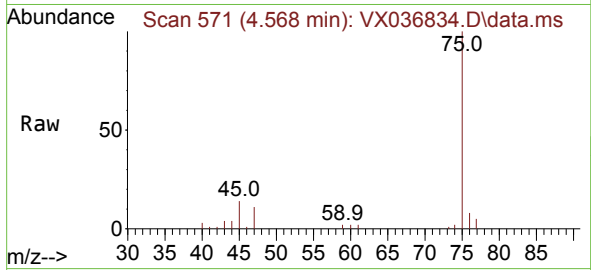
IBLK

Tgt Ion: 43 Resp: 551

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#26

2,2-Dichloropropane

Concen: 0.243 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.091 min

Lab File: VX036834.D

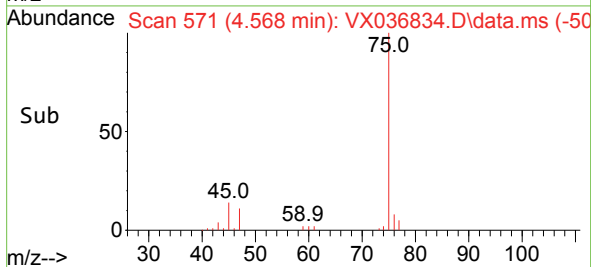
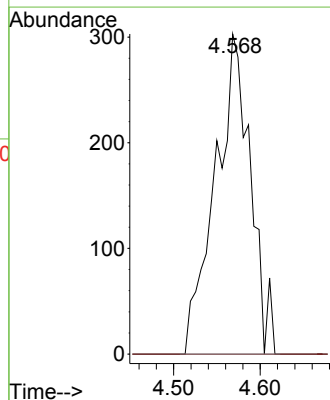
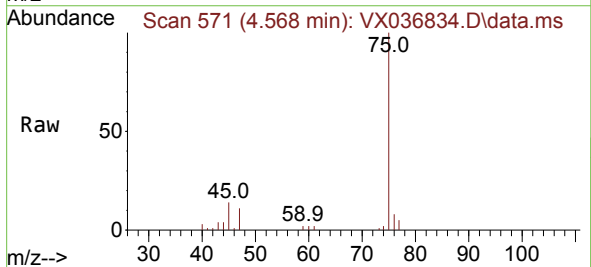
Acq: 07 Aug 2023 14:04

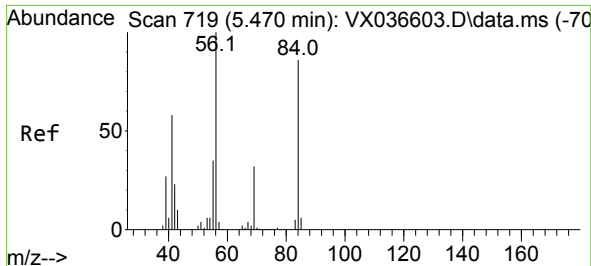
Tgt Ion: 77 Resp: 851

Ion Ratio Lower Upper

77 100

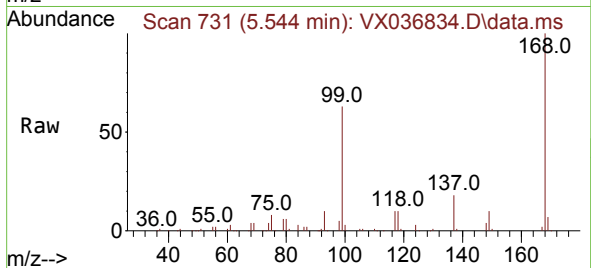
97 0.0 10.8 32.3#



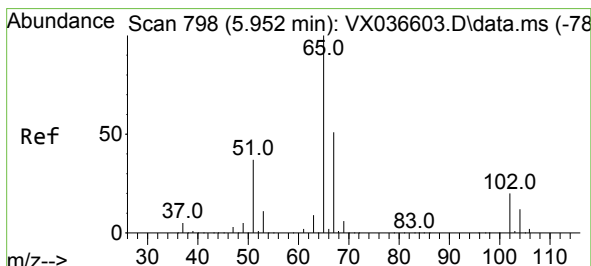
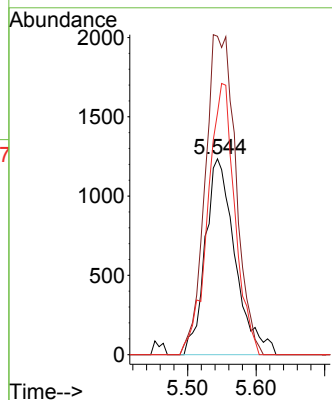
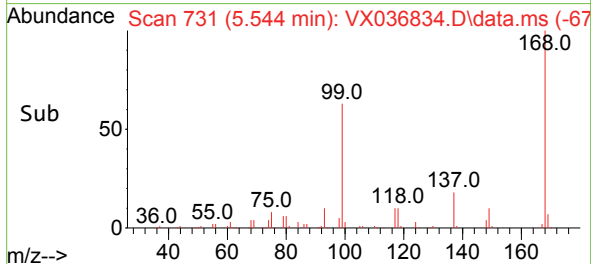


#31
Cyclohexane
Concen: 1.149 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX036834.D
Acq: 07 Aug 2023 14:04

Instrument :
MSVOA_X
ClientSampleId :
IBLK

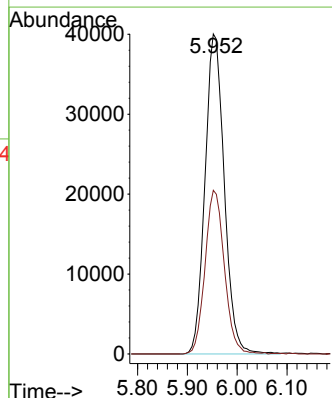
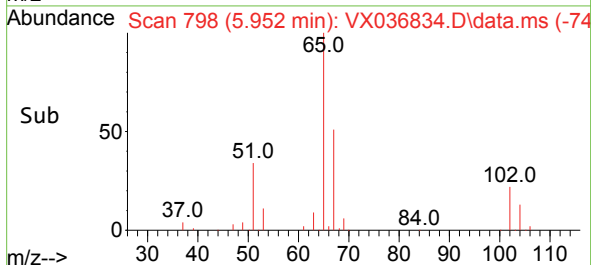
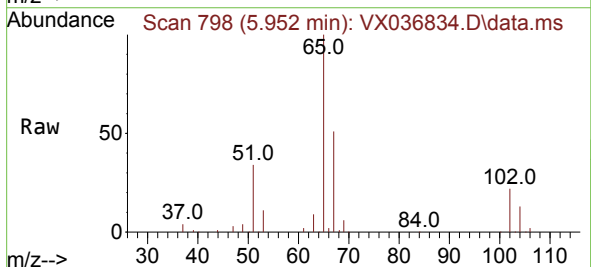


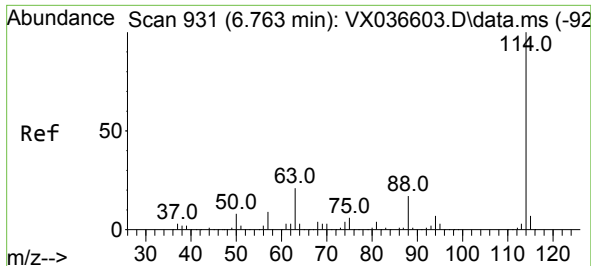
Tgt Ion: 56 Resp: 3724
Ion Ratio Lower Upper
56 100
69 162.6 23.4 35.2#
84 123.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.914 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX036834.D
Acq: 07 Aug 2023 14:04

Tgt Ion: 65 Resp: 107477
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.2

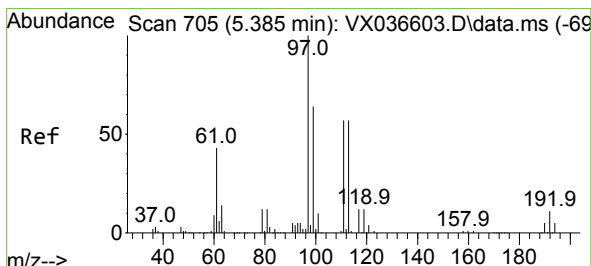
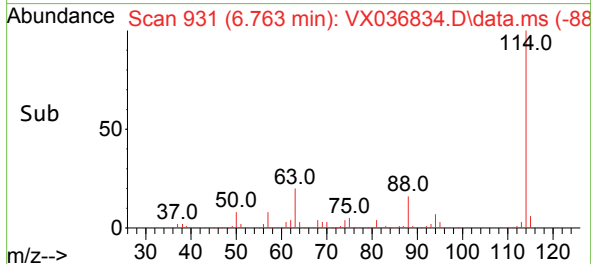
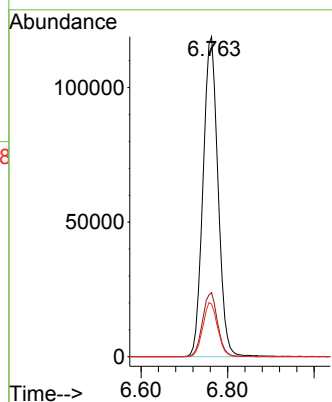
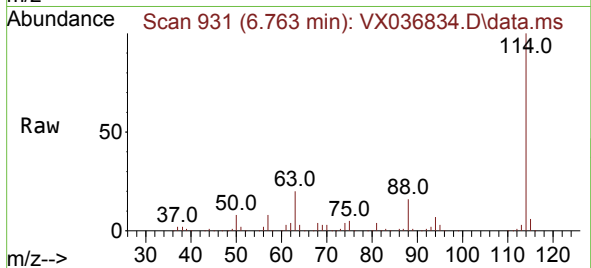




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036834.D
Acq: 07 Aug 2023 14:04

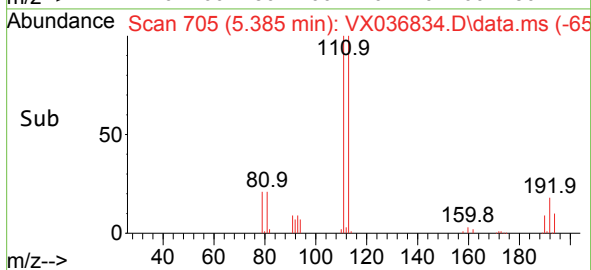
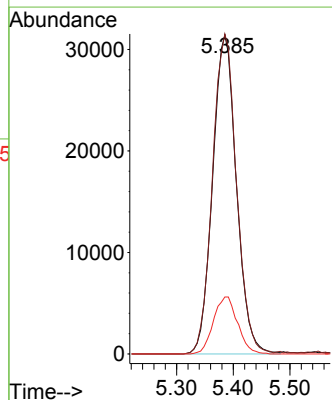
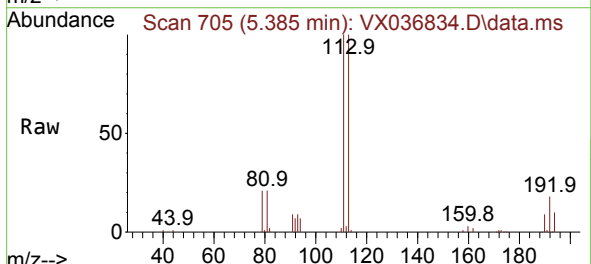
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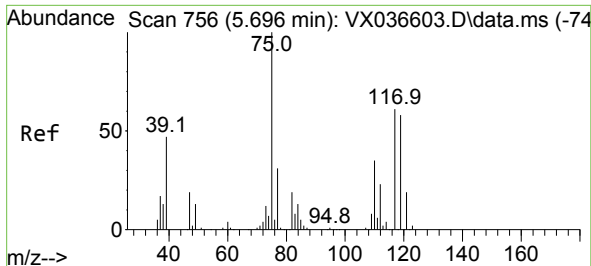
Tgt Ion:114 Resp: 285043
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.695 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036834.D
Acq: 07 Aug 2023 14:04

Tgt Ion:113 Resp: 91487
Ion Ratio Lower Upper
113 100
111 101.3 82.9 124.3
192 18.1 13.3 19.9

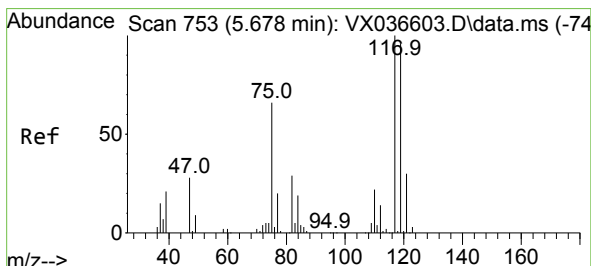
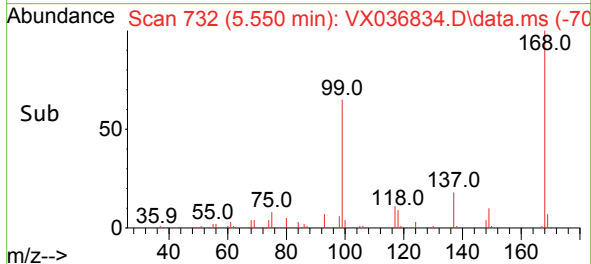
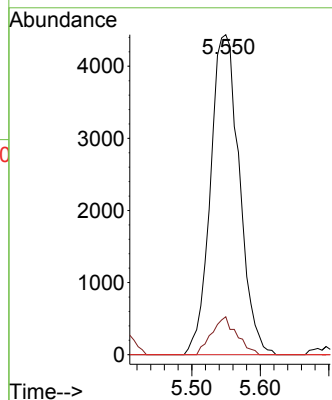
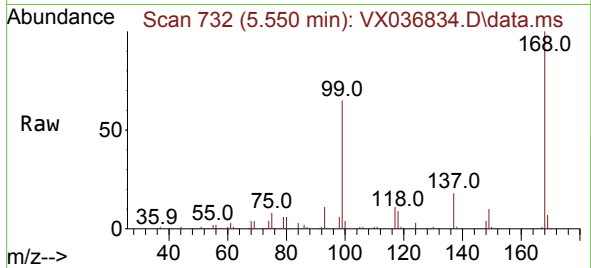




#36
1,1-Dichloropropene
Concen: 4.458 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036834.D
Acq: 07 Aug 2023 14:04

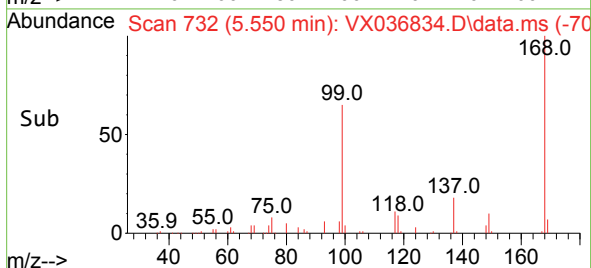
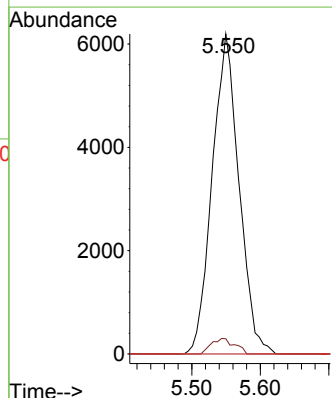
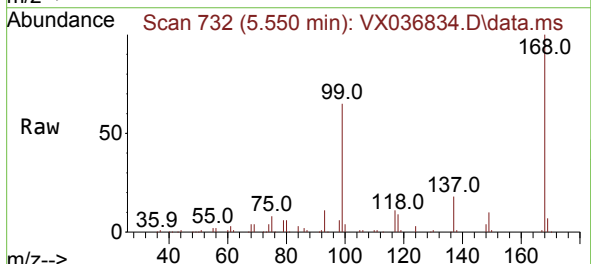
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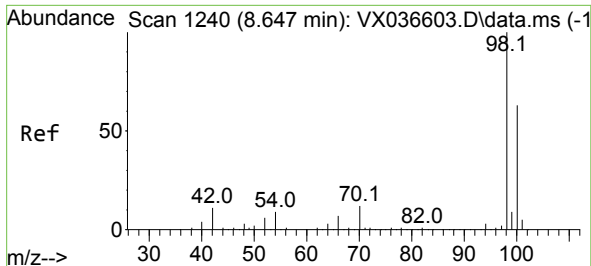
Tgt Ion: 75 Resp: 13019
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.411 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX036834.D
Acq: 07 Aug 2023 14:04

Tgt Ion: 117 Resp: 16800
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 49.398 ug/l

RT: 8.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX036834.D

Acq: 07 Aug 2023 14:04

Instrument :

MSVOA_X

ClientSampleId :

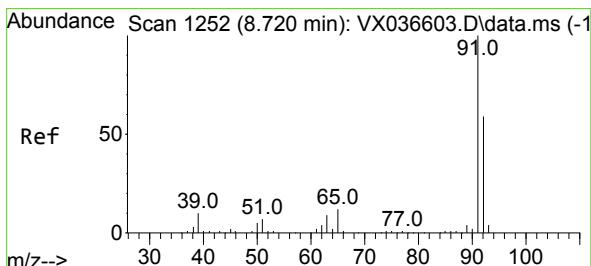
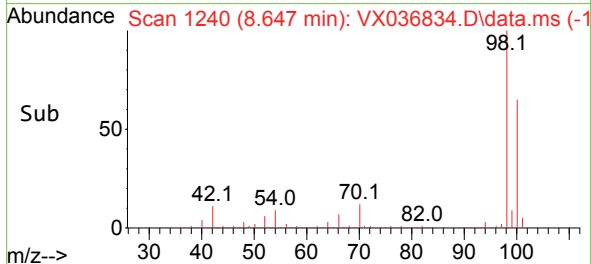
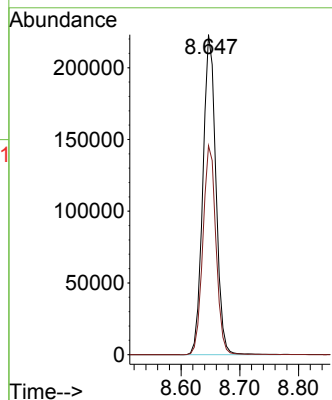
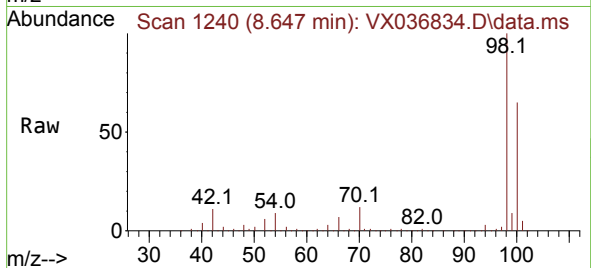
IBLK

Tgt Ion: 98 Resp: 343208

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7



#52

Toluene

Concen: 0.364 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX036834.D

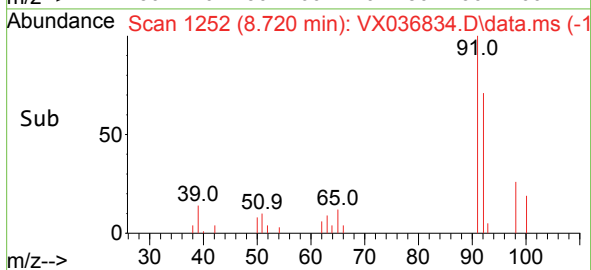
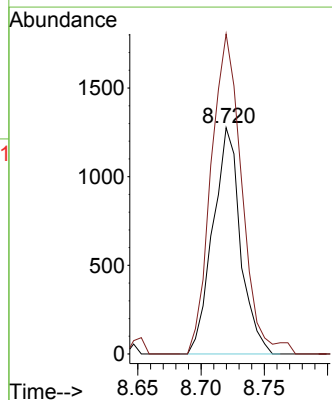
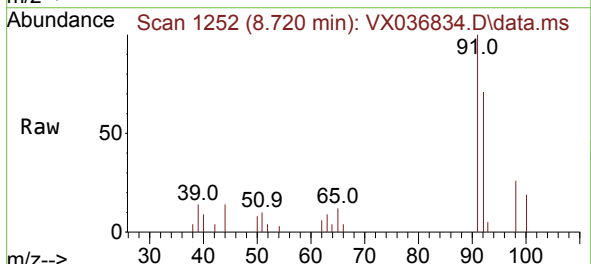
Acq: 07 Aug 2023 14:04

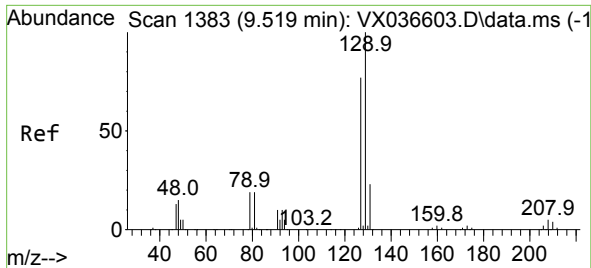
Tgt Ion: 92 Resp: 1936

Ion Ratio Lower Upper

92 100

91 157.2 134.2 201.2

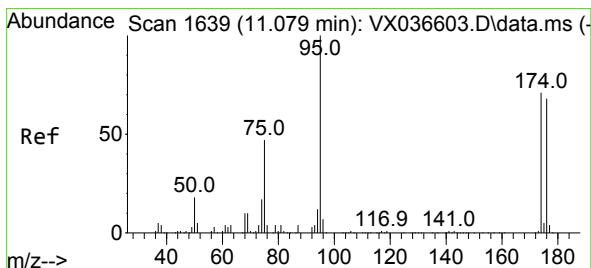
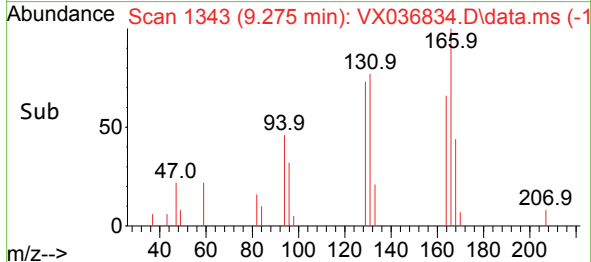
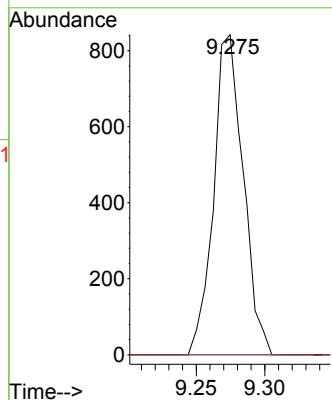
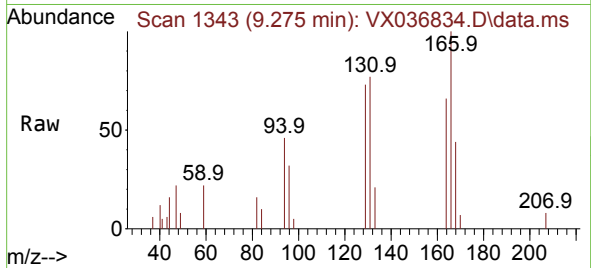




#60
Dibromochloromethane
Concen: 0.513 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX036834.D
Acq: 07 Aug 2023 14:04

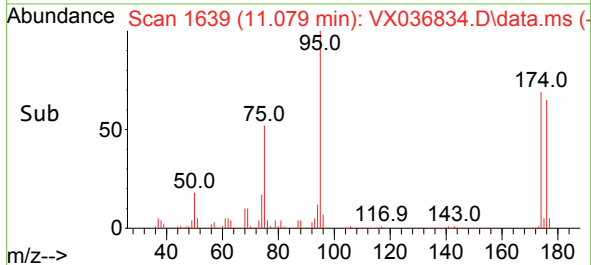
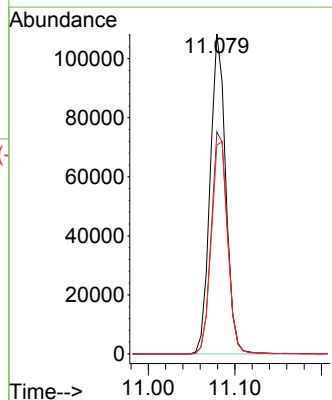
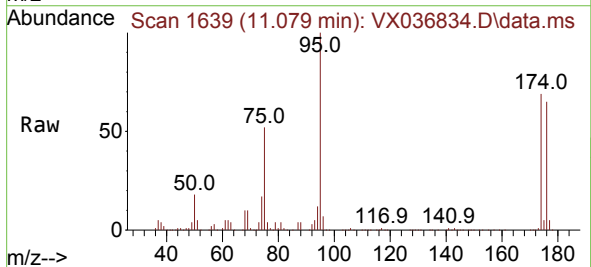
Instrument :
MSVOA_X
ClientSampleId :
IBLK

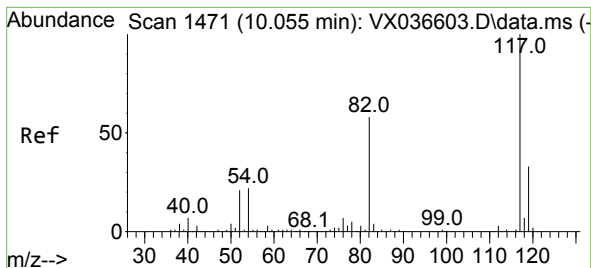
Tgt Ion:129 Resp: 1263
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 51.765 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036834.D
Acq: 07 Aug 2023 14:04

Tgt Ion: 95 Resp: 135692
Ion Ratio Lower Upper
95 100
174 72.5 0.0 135.6
176 69.9 0.0 131.0

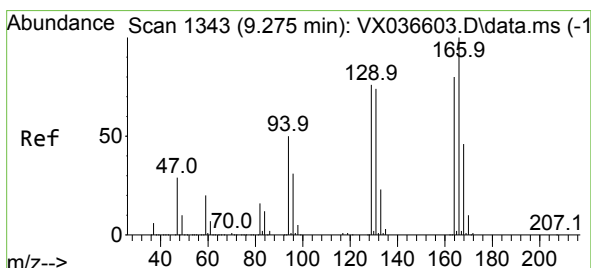
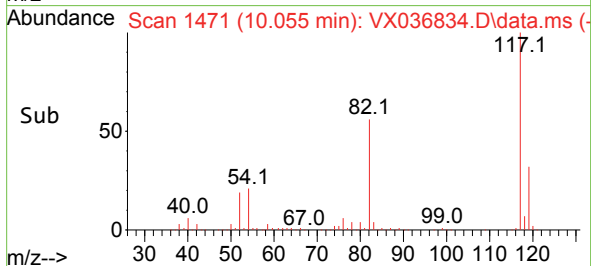
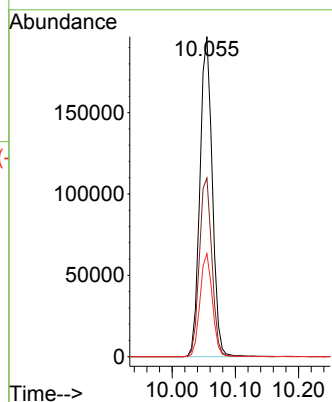
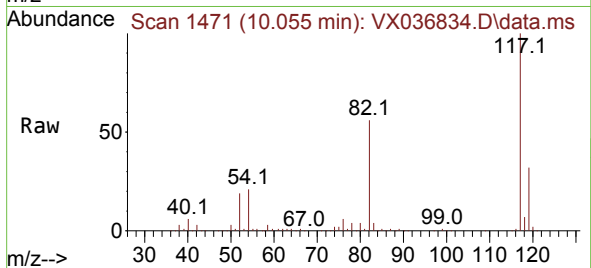




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036834.D
Acq: 07 Aug 2023 14:04

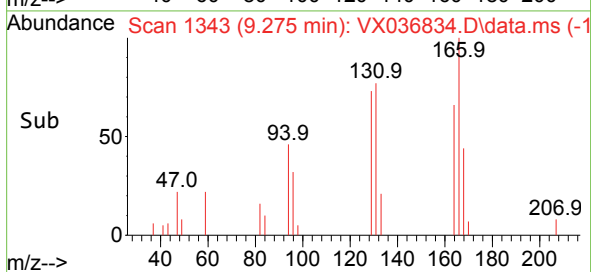
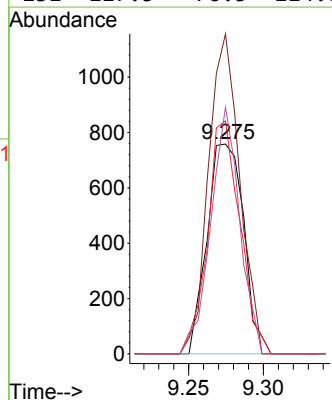
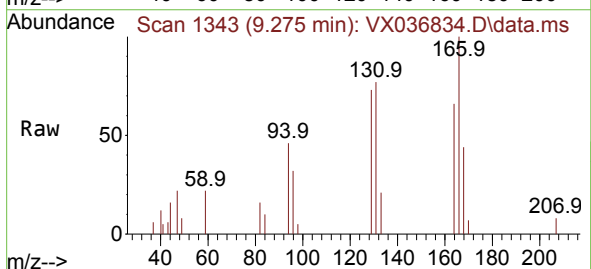
Instrument :
MSVOA_X
ClientSampleId :
IBLK

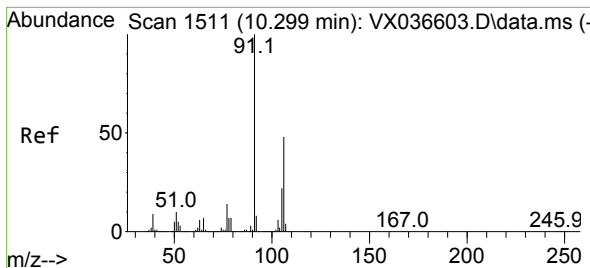
Tgt Ion:117 Resp: 268603
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.4
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 0.643 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX036834.D
Acq: 07 Aug 2023 14:04

Tgt Ion:164 Resp: 1288
Ion Ratio Lower Upper
164 100
166 152.5 102.7 154.1
129 111.1 80.4 120.6
131 117.5 76.5 114.7#

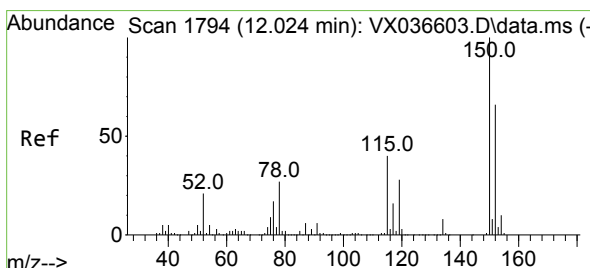
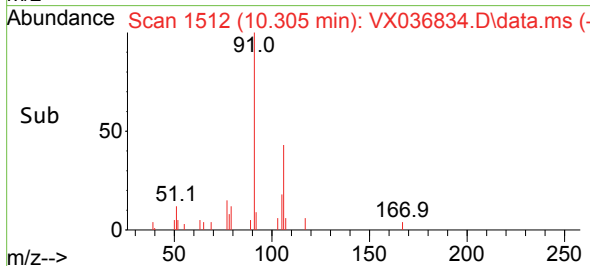
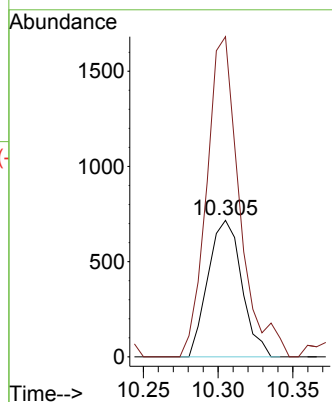
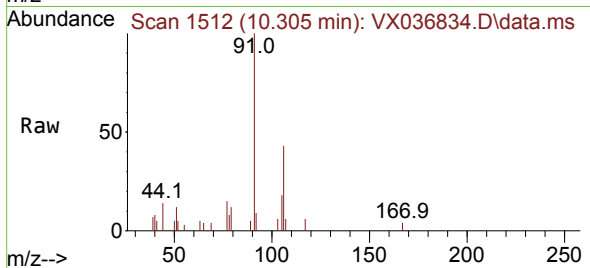




#68
m/p-Xylenes
Concen: 0.279 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036834.D
Acq: 07 Aug 2023 14:04

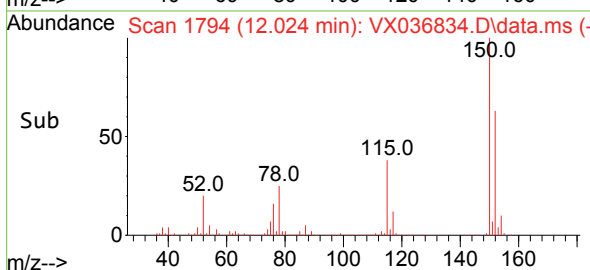
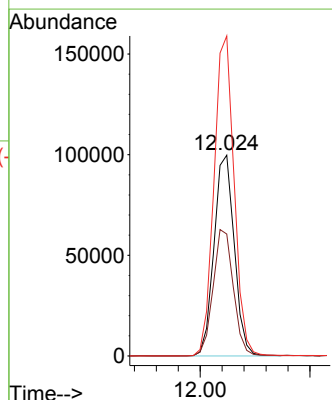
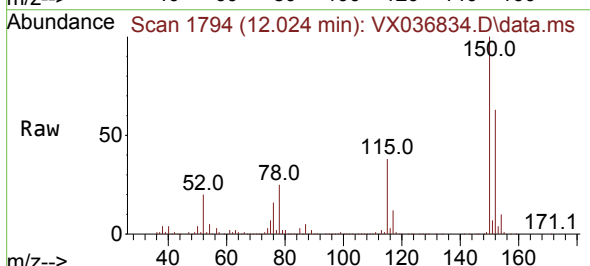
Instrument :
MSVOA_X
ClientSampleId :
IBLK

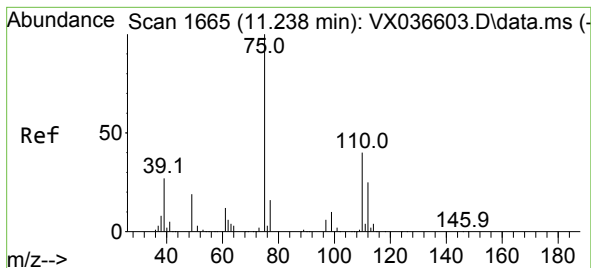
Tgt Ion:106 Resp: 1126
Ion Ratio Lower Upper
106 100
91 228.3 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX036834.D
Acq: 07 Aug 2023 14:04

Tgt Ion:152 Resp: 128384
Ion Ratio Lower Upper
152 100
115 62.7 43.3 129.9
150 158.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.244 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX036834.D

Acq: 07 Aug 2023 14:04

Instrument :

MSVOA_X

ClientSampleId :

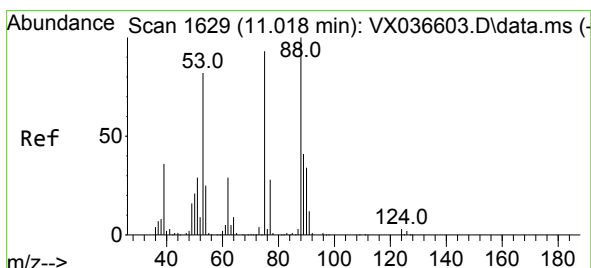
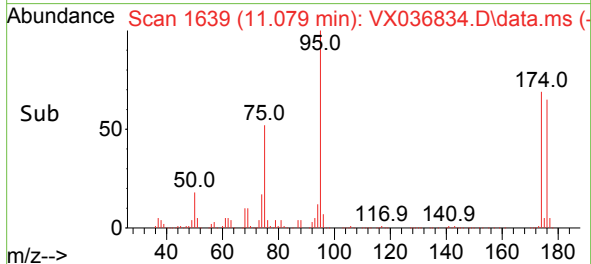
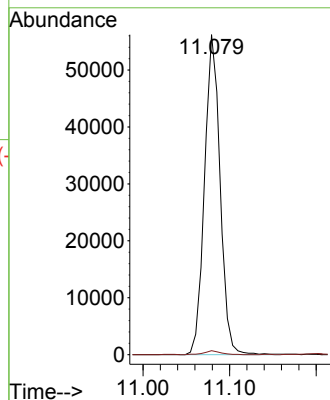
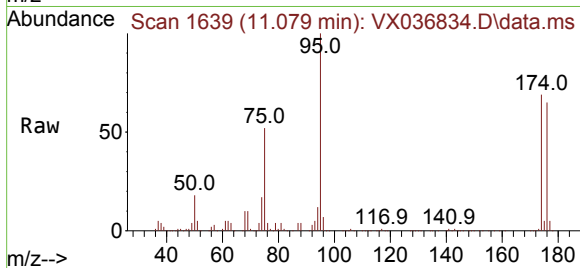
IBLK

Tgt Ion: 75 Resp: 70192

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.685 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036834.D

Acq: 07 Aug 2023 14:04

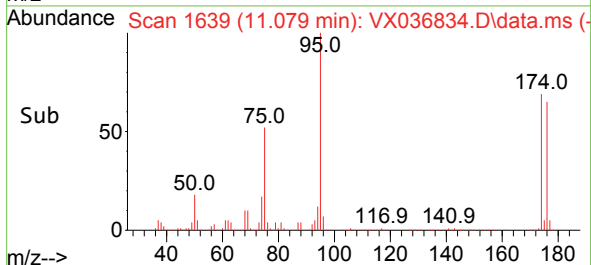
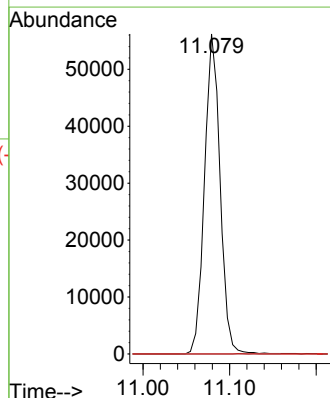
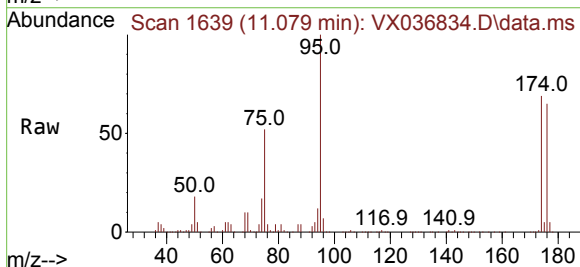
Tgt Ion: 75 Resp: 70192

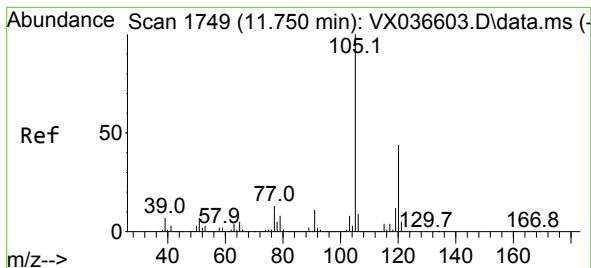
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.209 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX036834.D

Acq: 07 Aug 2023 14:04

Instrument :

MSVOA_X

ClientSampleId :

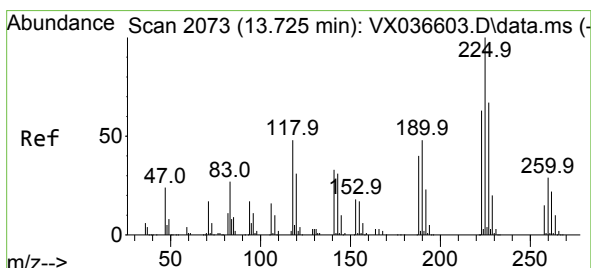
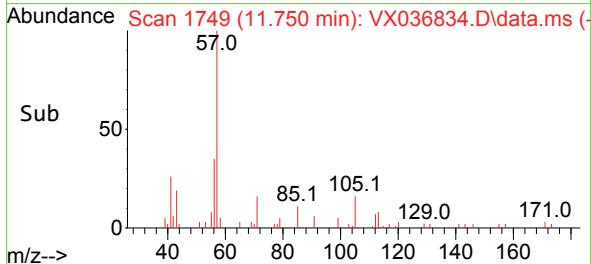
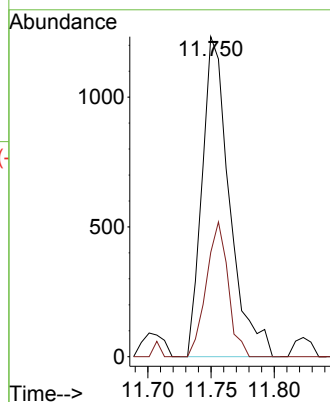
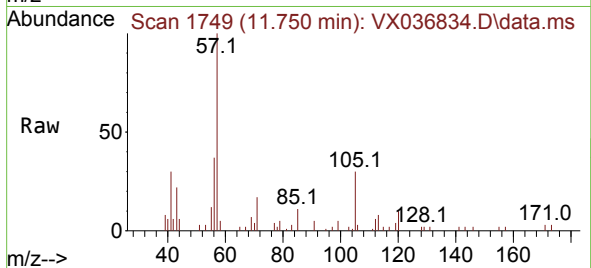
IBLK

Tgt Ion:105 Resp: 1857

Ion Ratio Lower Upper

105 100

120 33.4 21.2 63.6



#94

Hexachlorobutadiene

Concen: 0.451 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX036834.D

Acq: 07 Aug 2023 14:04

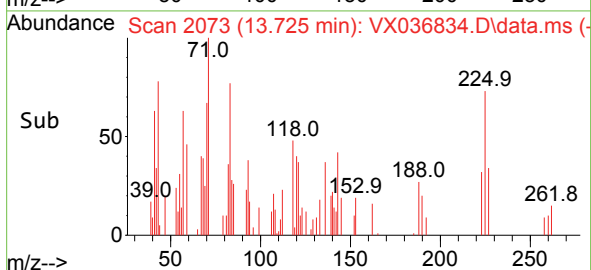
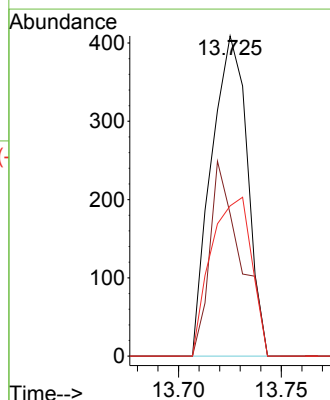
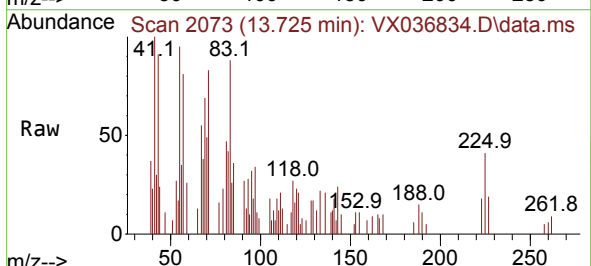
Tgt Ion:225 Resp: 497

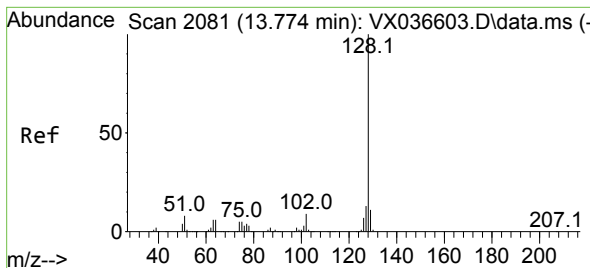
Ion Ratio Lower Upper

225 100

223 51.9 31.1 93.2

227 56.1 32.5 97.5





#95

Naphthalene

Concen: 0.215 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX036834.D

Acq: 07 Aug 2023 14:04

Instrument :

MSVOA_X

ClientSampleId :

IBLK

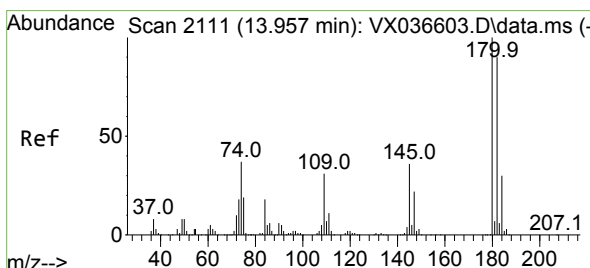
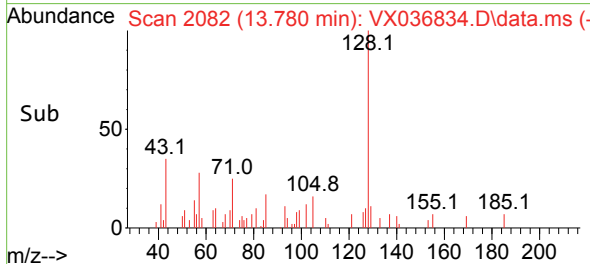
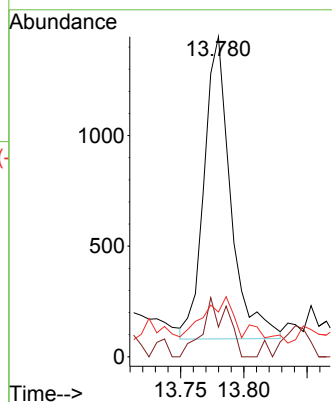
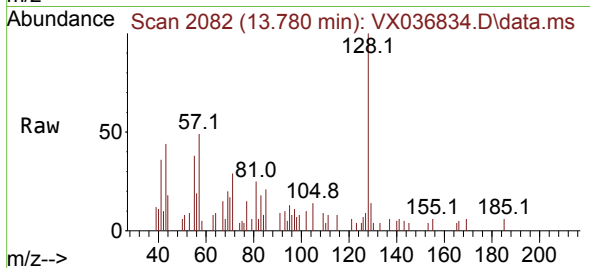
Tgt Ion:128 Resp: 1999

Ion Ratio Lower Upper

128 100

127 18.3 10.3 15.5#

129 21.8 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.203 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX036834.D

Acq: 07 Aug 2023 14:04

Tgt Ion:180 Resp: 533

Ion Ratio Lower Upper

180 100

182 104.3 46.9 140.6

145 82.2 17.8 53.5#

