

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092123\
 Data File : VX037847.D
 Acq On : 21 Sep 2023 12:08
 Operator : JC/MD
 Sample : 04554-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 22 04:41:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

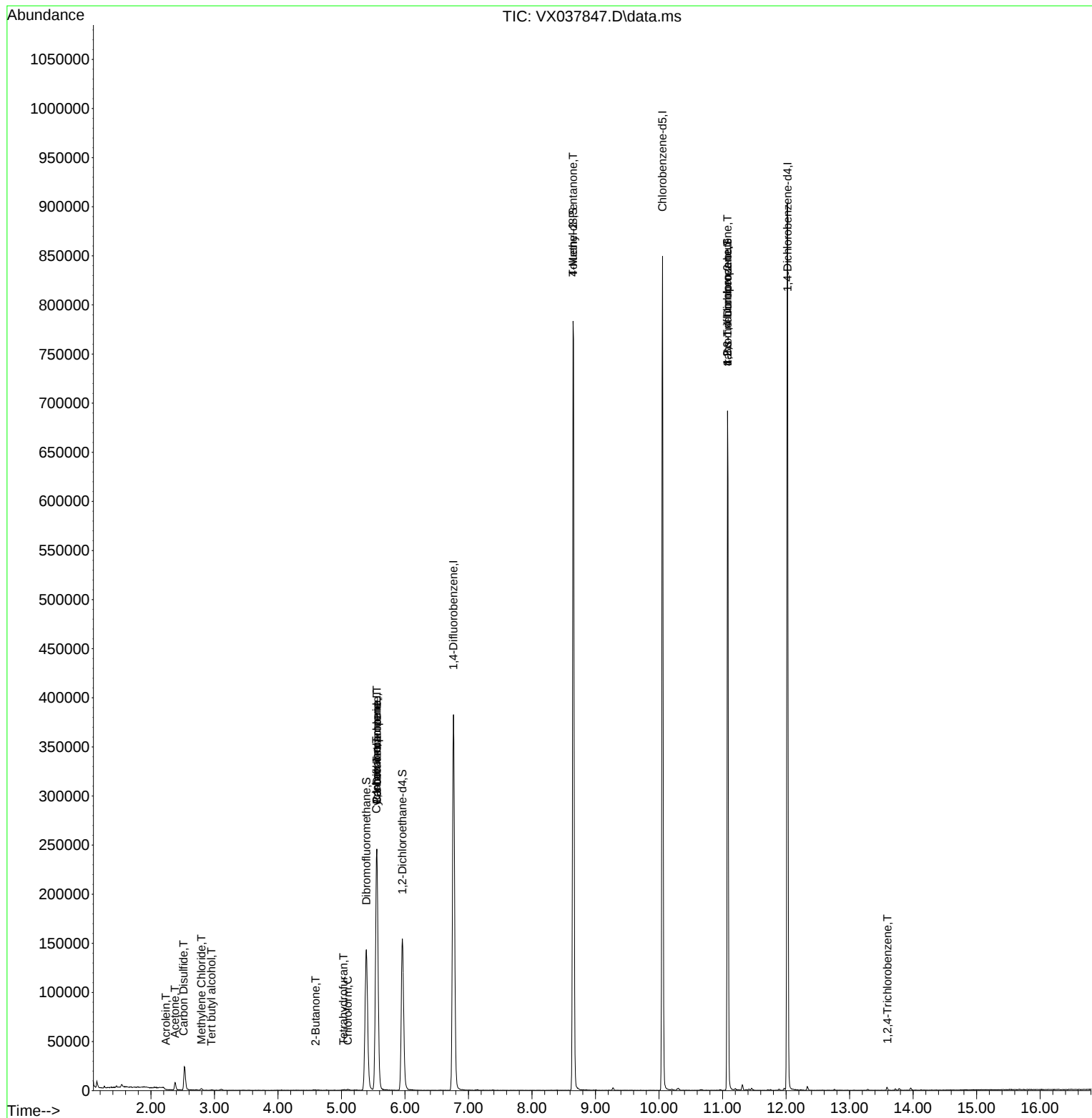
Internal Standards						
1) Pentafluorobenzene	5.556	168	235484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	399572	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	381063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	195919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	146009	47.193	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.380%
35) Dibromofluoromethane	5.391	113	125006	46.756	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.520%
50) Toluene-d8	8.647	98	481334	48.454	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.900%
62) 4-Bromofluorobenzene	11.079	95	179069	49.606	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	346	0.521	ug/l #	78
13) Acrolein	2.233	56	158	0.241	ug/l	96
16) Acetone	2.380	43	8035	5.399	ug/l	93
17) Carbon Disulfide	2.514	76	1165	0.202	ug/l #	72
20) Methylene Chloride	2.794	84	801	0.266	ug/l #	82
25) 2-Butanone	4.593	43	564	0.269	ug/l #	51
29) Tetrahydrofuran	5.032	42	489	0.374	ug/l #	56
30) Chloroform	5.099	83	1165	0.226	ug/l	98
31) Cyclohexane	5.550	56	5007	1.261	ug/l #	7
36) 1,1-Dichloropropene	5.556	75	18189	4.939	ug/l #	51
38) Carbon Tetrachloride	5.556	117	23642	6.135	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	2172	0.529	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	91238	20.135	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	91238	64.498	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.597	180	1020	0.256	ug/l	95

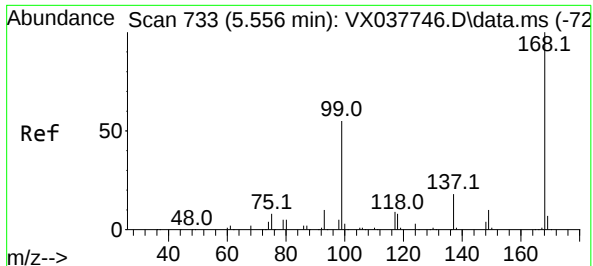
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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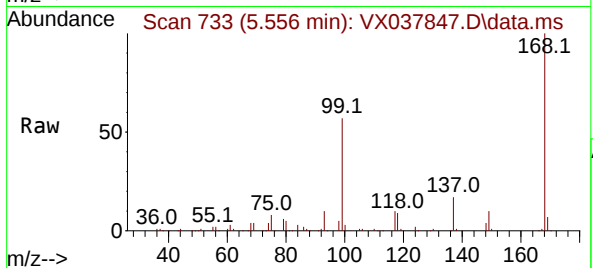


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037847.D
Acq: 21 Sep 2023 12:08

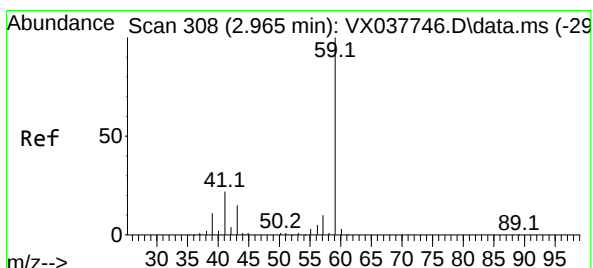
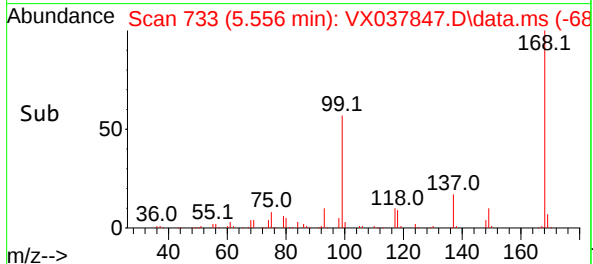
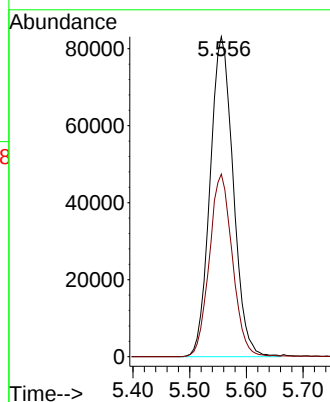
Instrument :

MSVOA_X

ClientSampleId :

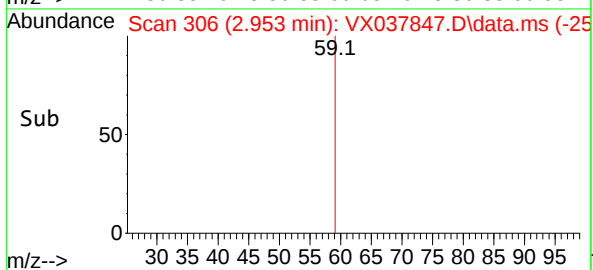
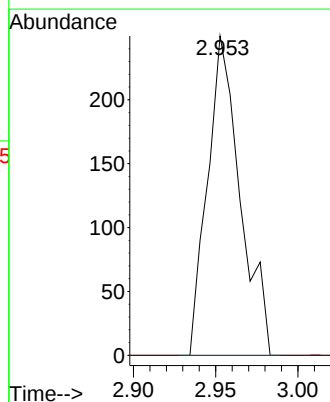
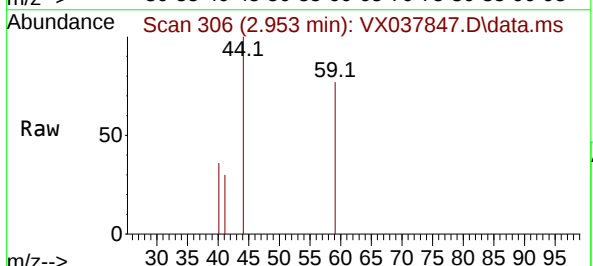


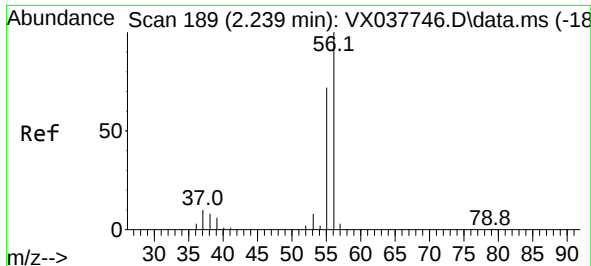
Tgt Ion:168 Resp: 235484
Ion Ratio Lower Upper
168 100
99 57.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.521 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX037847.D
Acq: 21 Sep 2023 12:08

Tgt Ion: 59 Resp: 346
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

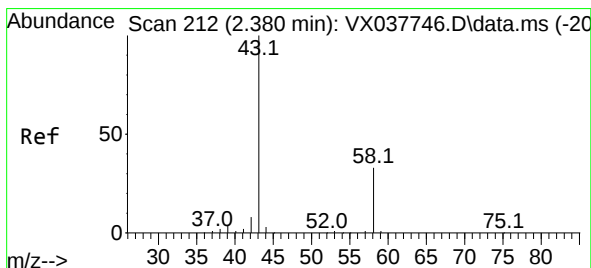
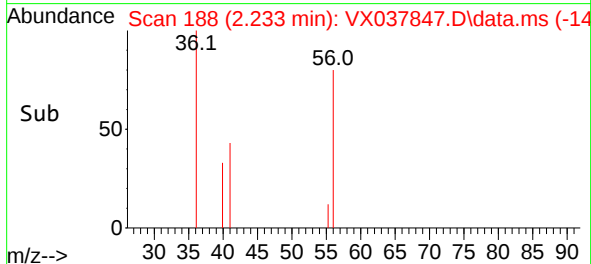
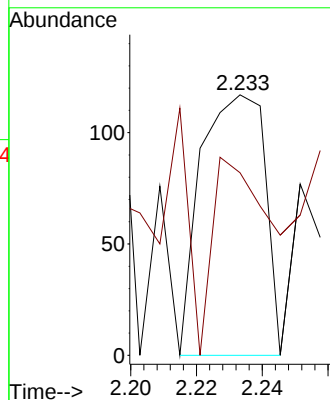
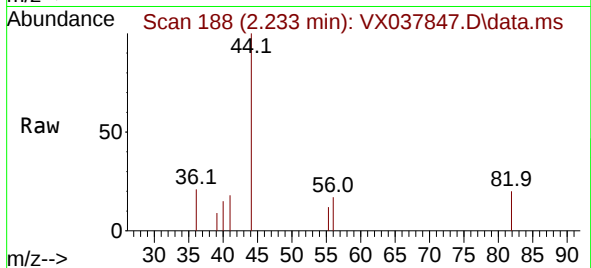




#13
Acrolein
Concen: 0.241 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037847.D
Acq: 21 Sep 2023 12:08

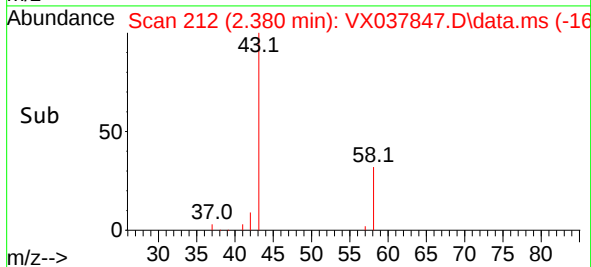
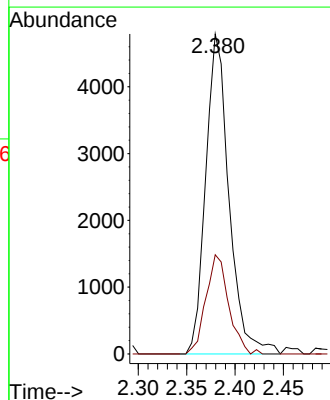
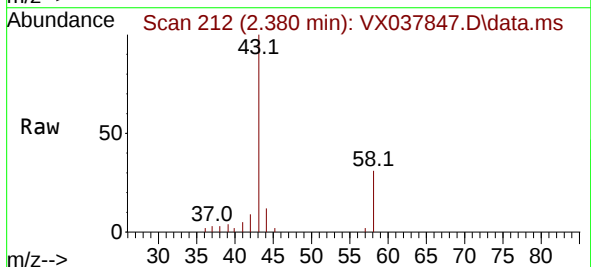
Instrument :
MSVOA_X
ClientSampleId :

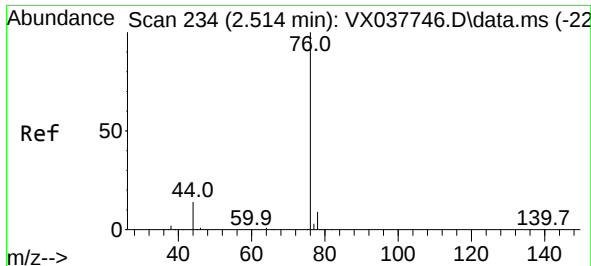
Tgt Ion: 56 Resp: 158
Ion Ratio Lower Upper
56 100
55 67.7 57.1 85.7



#16
Acetone
Concen: 5.399 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX037847.D
Acq: 21 Sep 2023 12:08

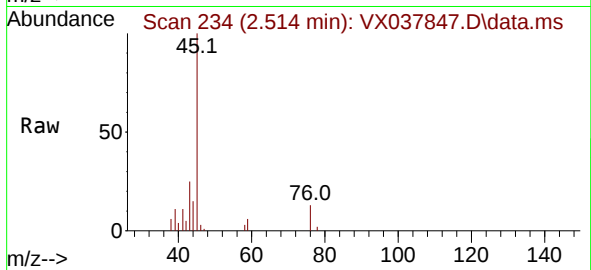
Tgt Ion: 43 Resp: 8035
Ion Ratio Lower Upper
43 100
58 31.0 21.9 32.9



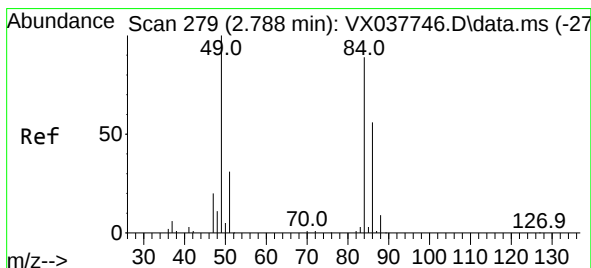
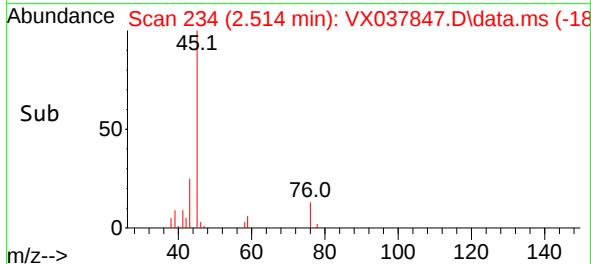
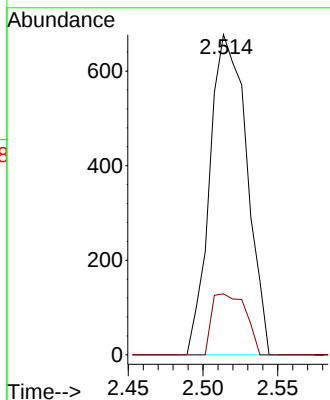


#17
Carbon Disulfide
Concen: 0.202 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037847.D
Acq: 21 Sep 2023 12:08

Instrument :
MSVOA_X
ClientSampleId :

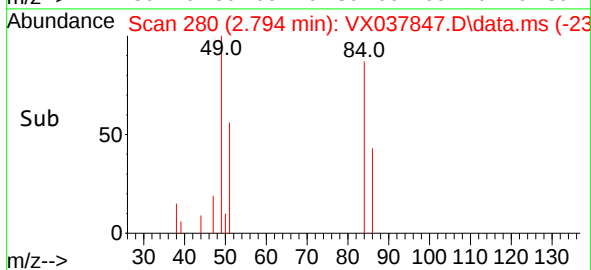
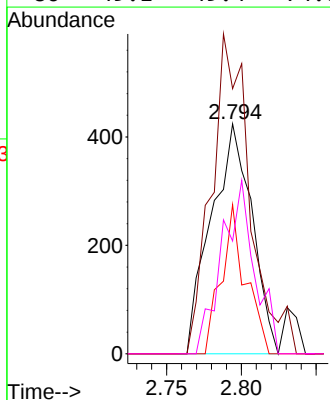
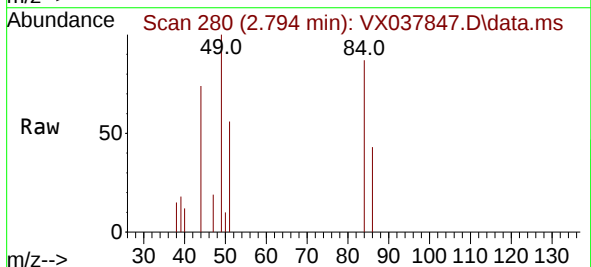


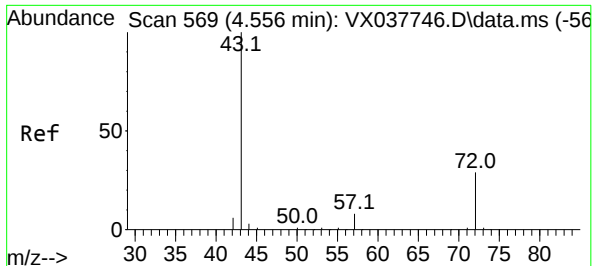
Tgt Ion: 76 Resp: 1165
Ion Ratio Lower Upper
76 100
78 19.1 7.0 10.6#



#20
Methylene Chloride
Concen: 0.266 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX037847.D
Acq: 21 Sep 2023 12:08

Tgt Ion: 84 Resp: 801
Ion Ratio Lower Upper
84 100
49 115.3 103.6 155.4
51 64.9 33.8 50.6#
86 49.1 49.4 74.0#





#25

2-Butanone

Concen: 0.269 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX037847.D

Acq: 21 Sep 2023 12:08

Instrument :

MSVOA_X

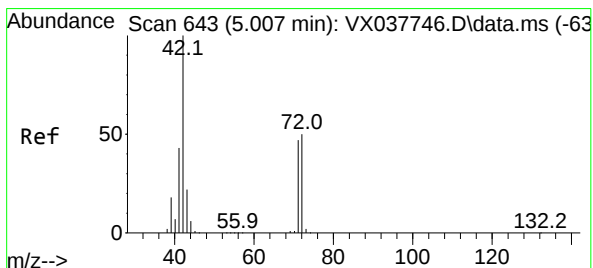
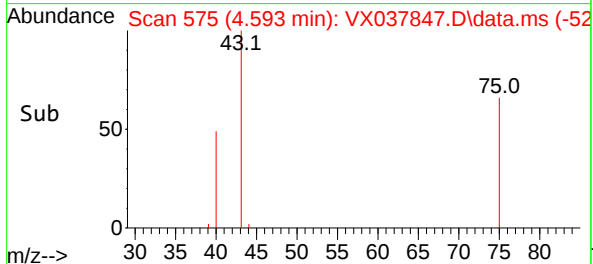
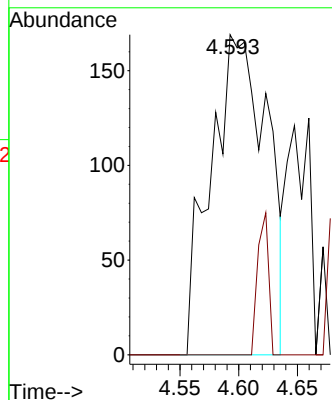
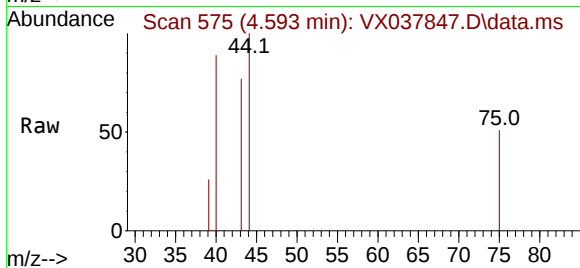
ClientSampleId :

Tgt Ion: 43 Resp: 564

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.374 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.018 min

Lab File: VX037847.D

Acq: 21 Sep 2023 12:08

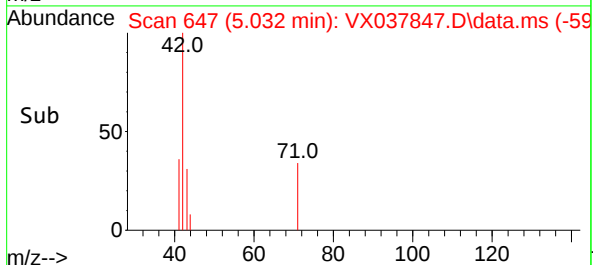
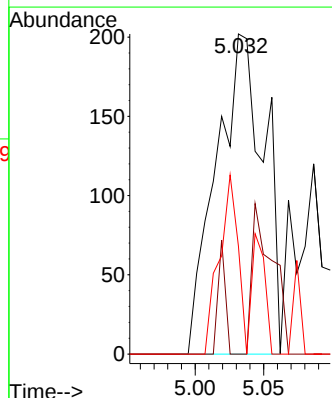
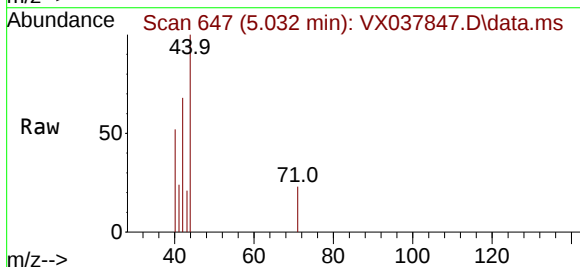
Tgt Ion: 42 Resp: 489

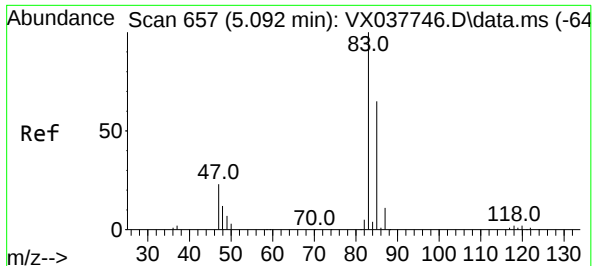
Ion Ratio Lower Upper

42 100

72 5.3 34.2 51.4#

71 22.1 32.2 48.2#





#30

Chloroform

Concen: 0.226 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX037847.D

Acq: 21 Sep 2023 12:08

Instrument :

MSVOA_X

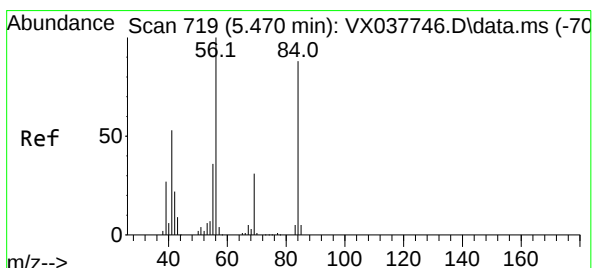
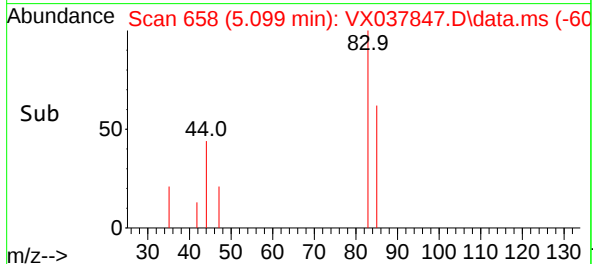
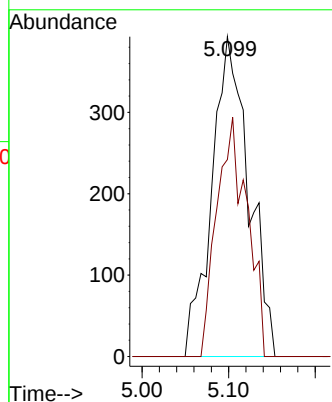
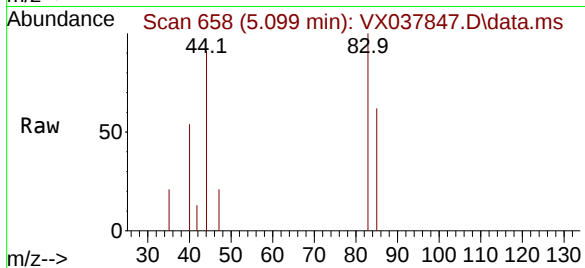
ClientSampleId :

Tgt Ion: 83 Resp: 1165

Ion Ratio Lower Upper

83 100

85 61.6 50.3 75.5



#31

Cyclohexane

Concen: 1.261 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037847.D

Acq: 21 Sep 2023 12:08

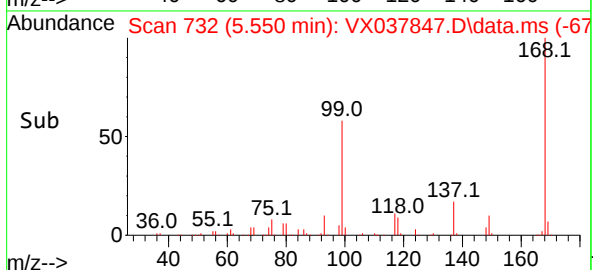
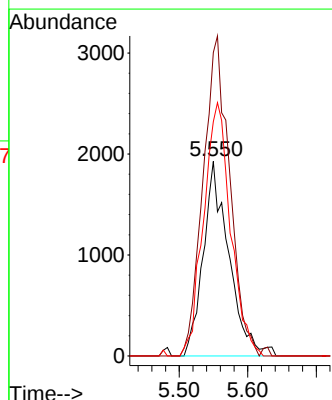
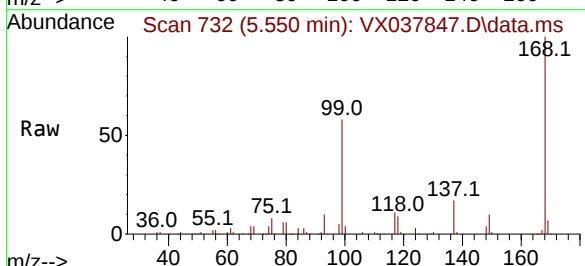
Tgt Ion: 56 Resp: 5007

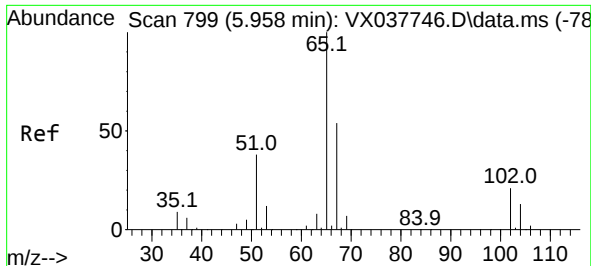
Ion Ratio Lower Upper

56 100

69 155.9 23.4 35.2#

84 120.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.193 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037847.D

Acq: 21 Sep 2023 12:08

Instrument :

MSVOA_X

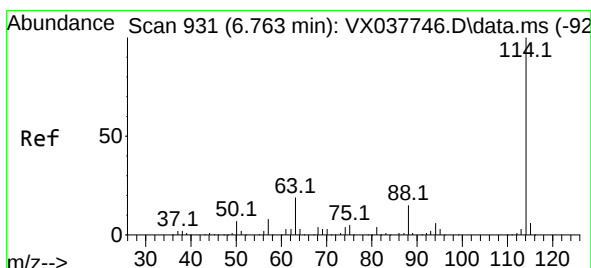
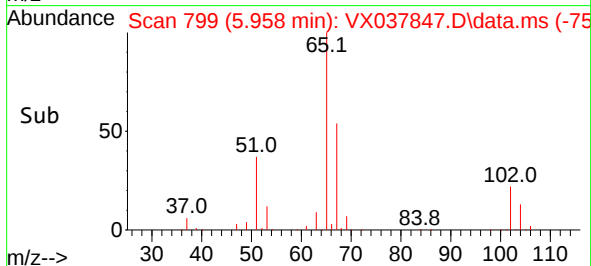
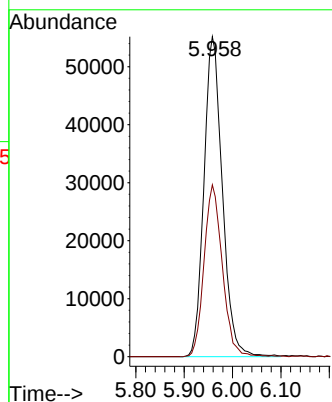
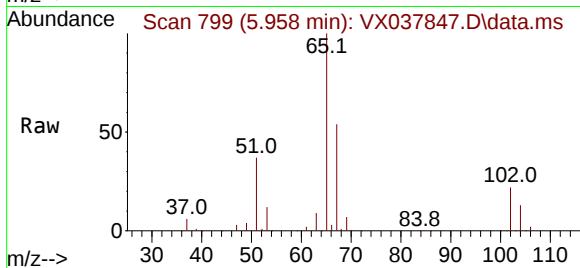
ClientSampleId :

Tgt Ion: 65 Resp: 146009

Ion Ratio Lower Upper

65 100

67 53.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037847.D

Acq: 21 Sep 2023 12:08

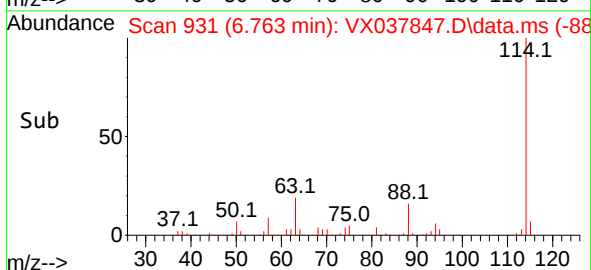
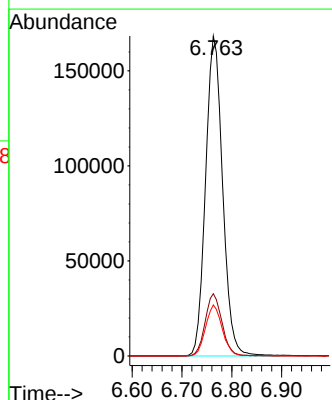
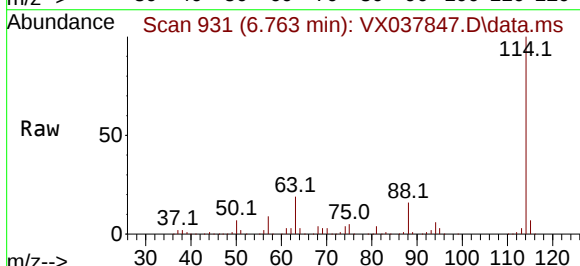
Tgt Ion: 114 Resp: 399572

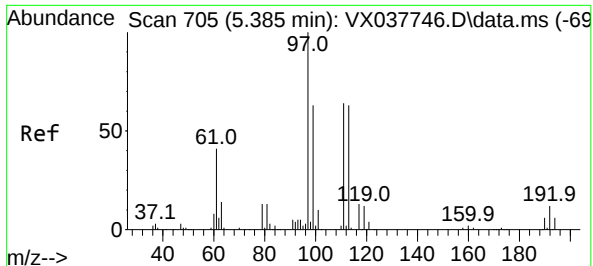
Ion Ratio Lower Upper

114 100

63 19.5 0.0 45.0

88 15.9 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.756 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

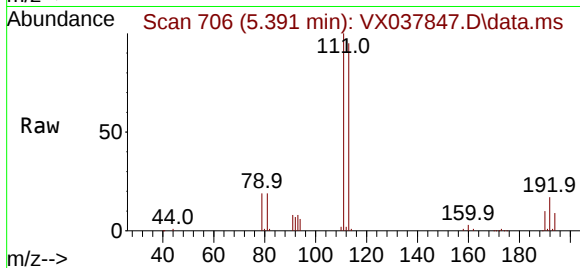
Lab File: VX037847.D

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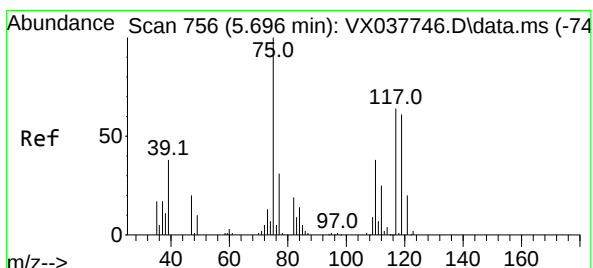
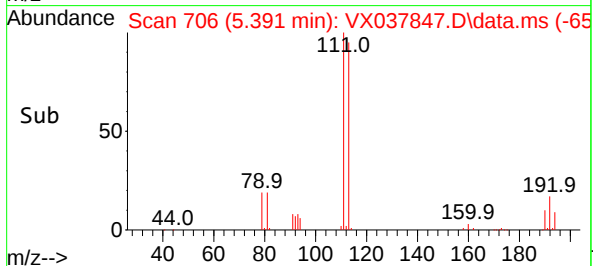
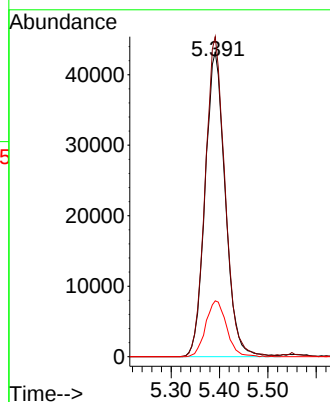
Tgt Ion:113 Resp: 125006

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

192 19.0 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.939 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX037847.D

Acq: 21 Sep 2023 12:08

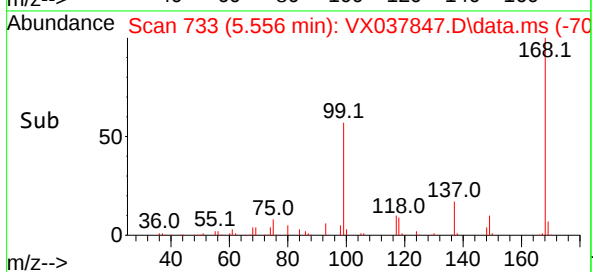
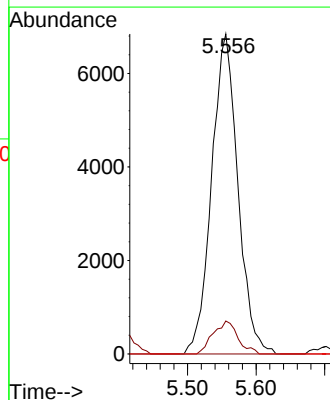
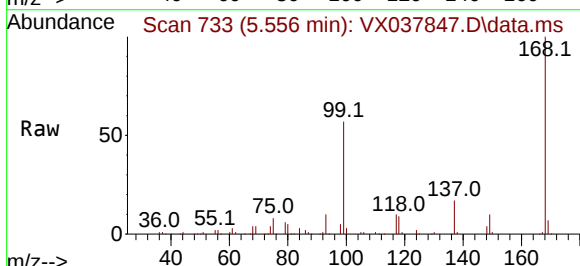
Tgt Ion: 75 Resp: 18189

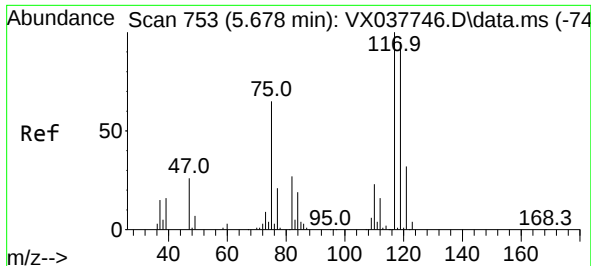
Ion Ratio Lower Upper

75 100

110 9.7 17.0 50.9#

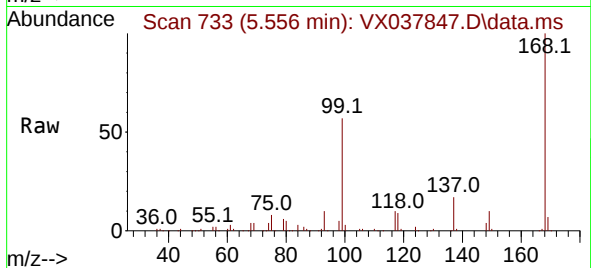
77 0.0 24.7 37.1#



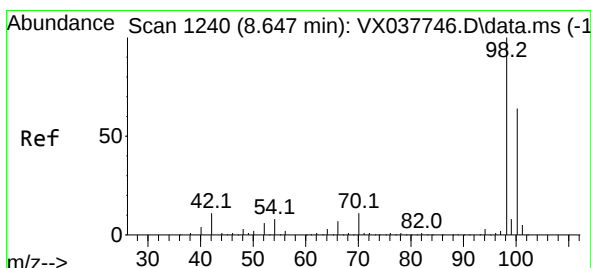
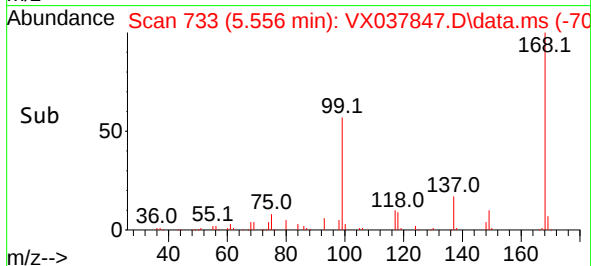
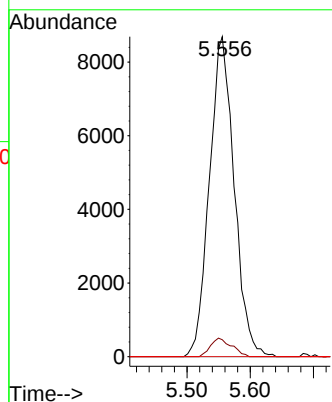


#38
Carbon Tetrachloride
Concen: 6.135 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037847.D
Acq: 21 Sep 2023 12:08

Instrument :
MSVOA_X
ClientSampleId :

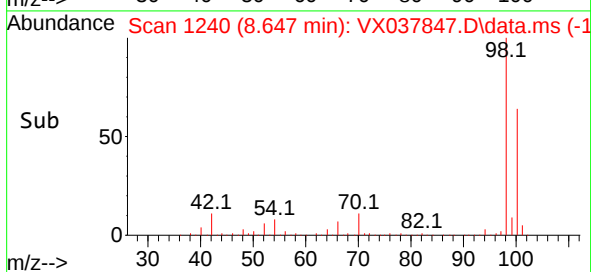
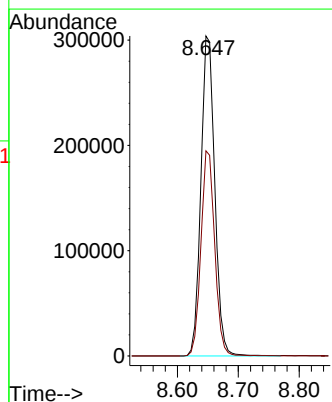
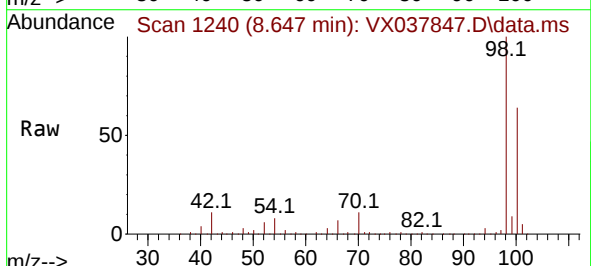


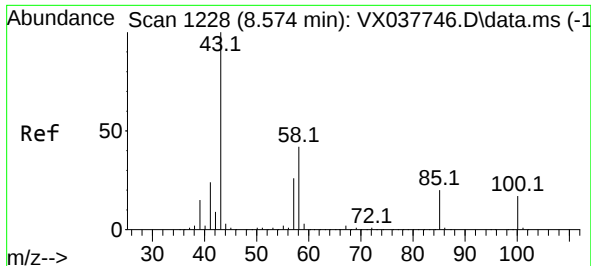
Tgt Ion:117 Resp: 23642
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 48.454 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037847.D
Acq: 21 Sep 2023 12:08

Tgt Ion: 98 Resp: 481334
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.529 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX037847.D

Acq: 21 Sep 2023 12:08

Instrument :

MSVOA_X

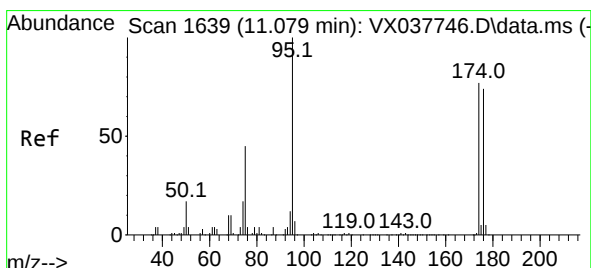
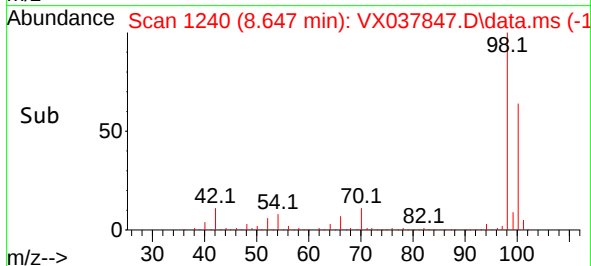
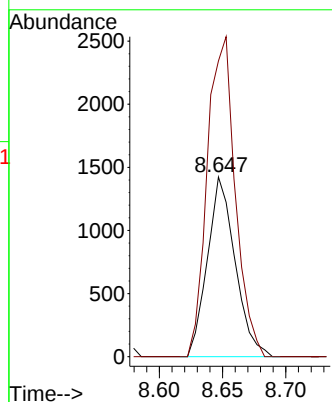
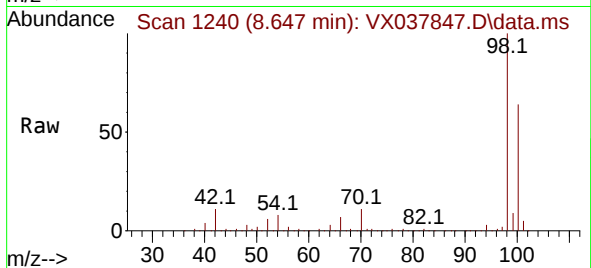
ClientSampleId :

Tgt Ion: 43 Resp: 2172

Ion Ratio Lower Upper

43 100

58 179.8 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 49.606 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX037847.D

Acq: 21 Sep 2023 12:08

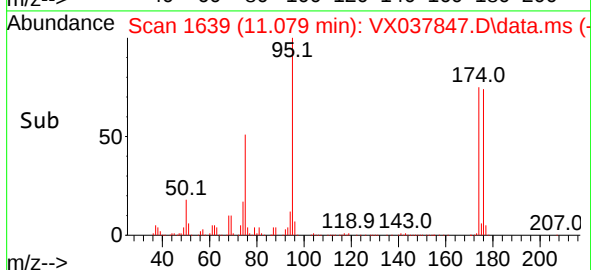
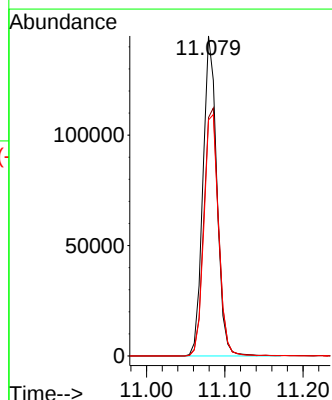
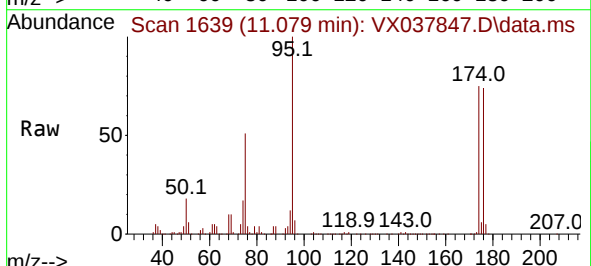
Tgt Ion: 95 Resp: 179069

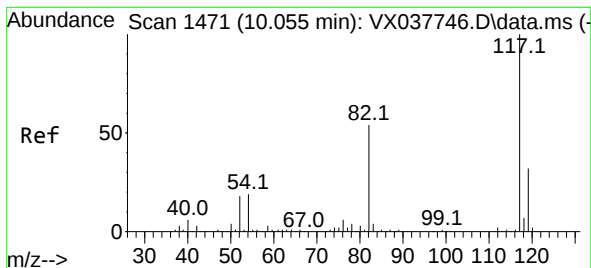
Ion Ratio Lower Upper

95 100

174 81.6 0.0 135.6

176 79.3 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: VX037847.D

Acq: 21 Sep 2023 12:08

Instrument :

MSVOA_X

ClientSampleId :

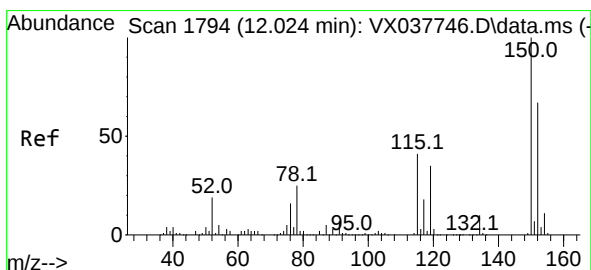
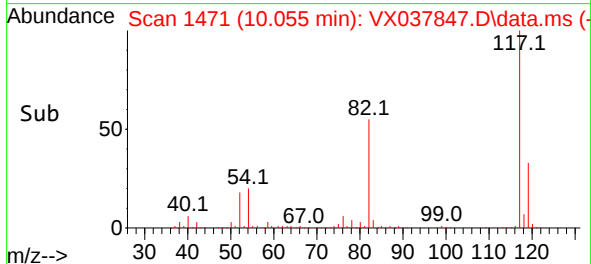
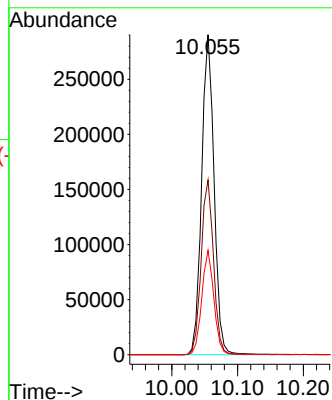
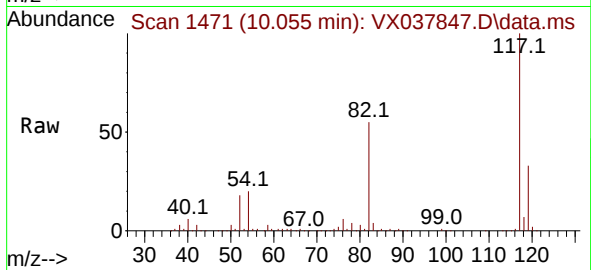
Tgt Ion:117 Resp: 381063

Ion Ratio Lower Upper

117 100

82 54.6 46.2 69.4

119 32.6 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX037847.D

Acq: 21 Sep 2023 12:08

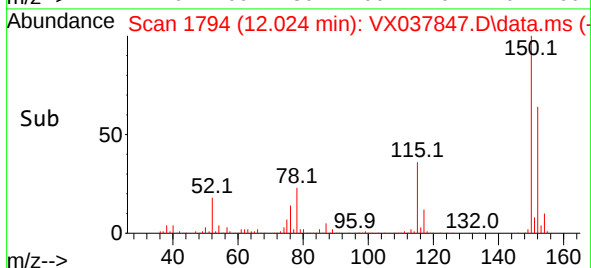
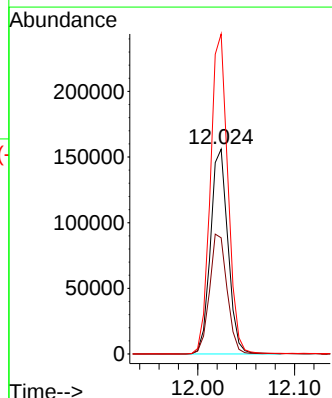
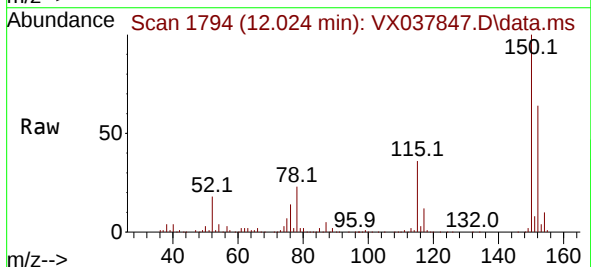
Tgt Ion:152 Resp: 195919

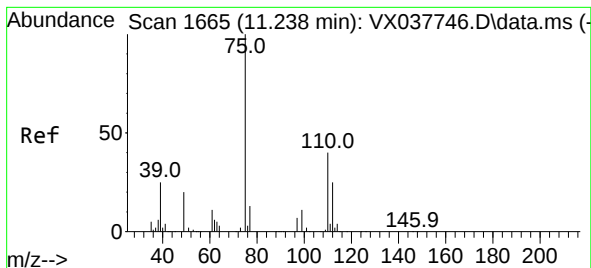
Ion Ratio Lower Upper

152 100

115 59.1 43.3 129.9

150 156.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 20.135 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037847.D

Acq: 21 Sep 2023 12:08

Instrument :

MSVOA_X

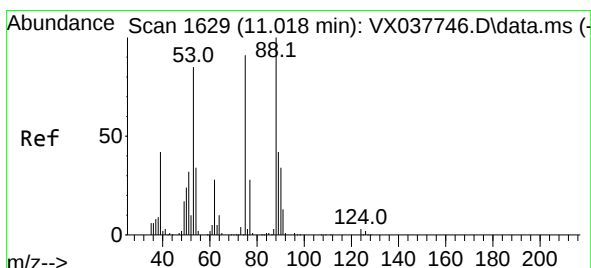
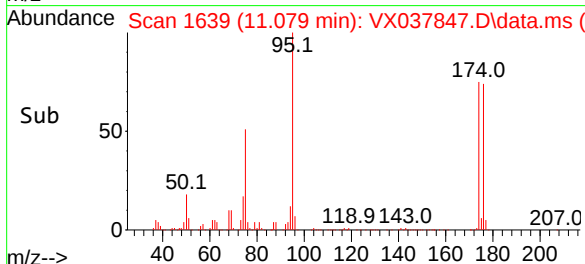
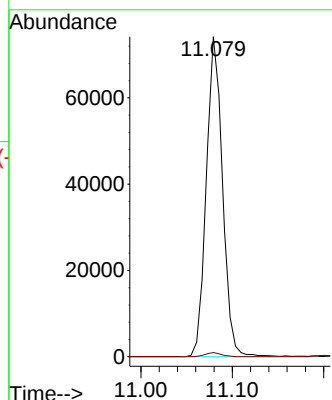
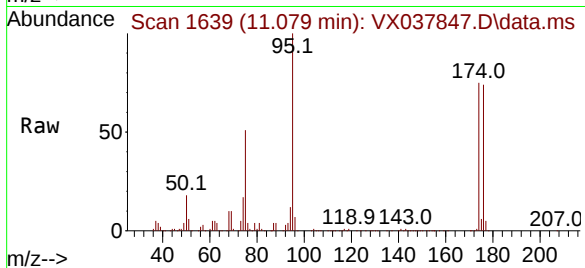
ClientSampleId :

Tgt Ion: 75 Resp: 91238

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.498 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037847.D

Acq: 21 Sep 2023 12:08

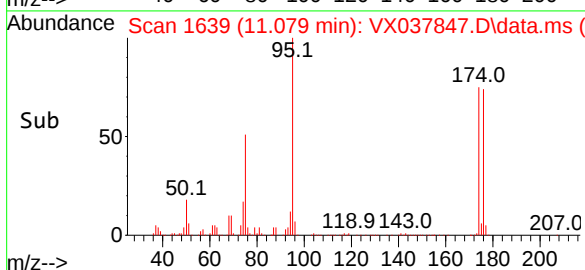
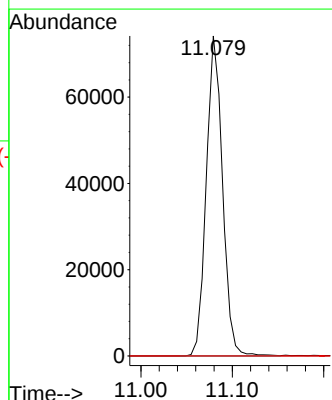
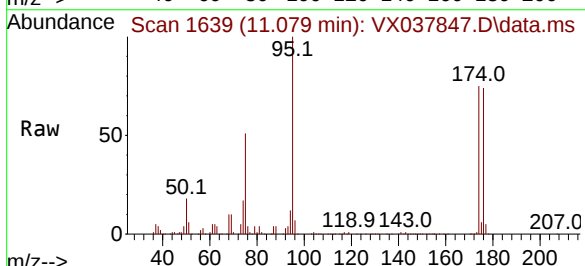
Tgt Ion: 75 Resp: 91238

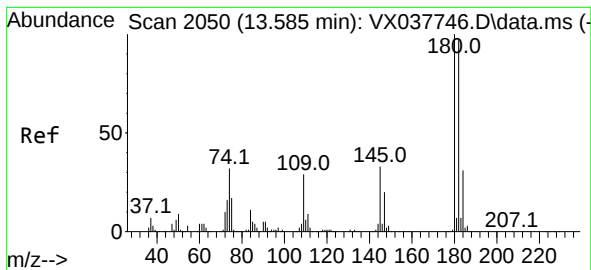
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.256 ug/l

RT: 13.597 min Scan# 20

Delta R.T. 0.006 min

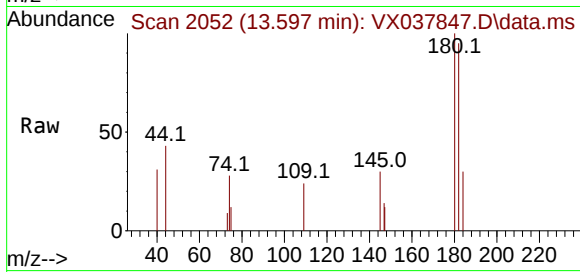
Lab File: VX037847.D

Acq: 21 Sep 2023 12:08

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 1020

Ion Ratio Lower Upper

180 100

182 93.2 48.3 144.8

145 31.4 18.0 54.0

