

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092123\
 Data File : VX037853.D
 Acq On : 21 Sep 2023 14:27
 Operator : JC/MD
 Sample : 04551-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 22 04:44:10 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)

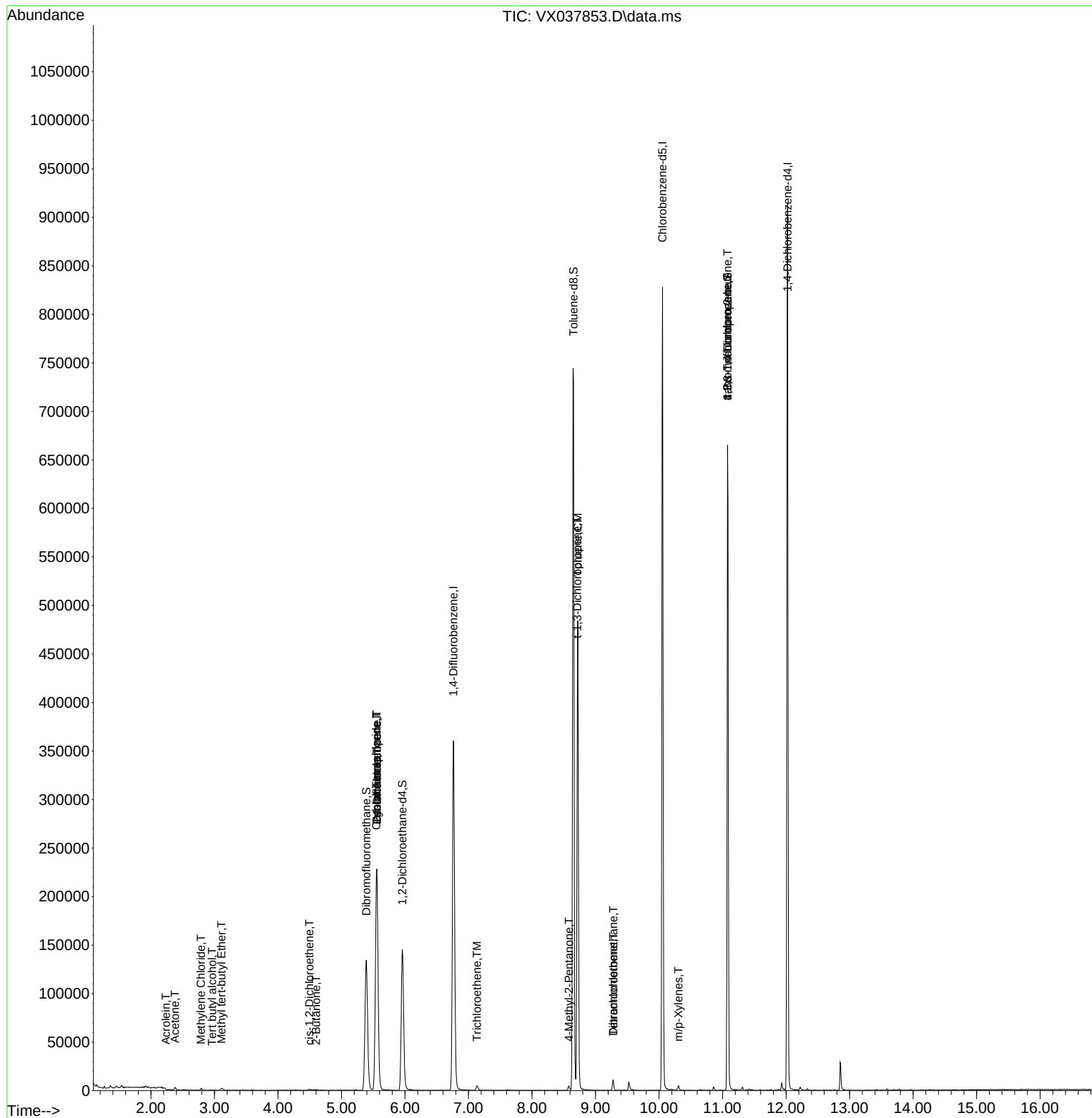
Internal Standards						
1) Pentafluorobenzene	5.556	168	223987	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	378526	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	372192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	194210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	140013	47.577	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.160%		
35) Dibromofluoromethane	5.391	113	117903	46.552	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.100%		
50) Toluene-d8	8.653	98	461836	49.076	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.160%		
62) 4-Bromofluorobenzene	11.079	95	175099	51.203	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.400%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.965	59	214	0.339	ug/l	# 78
13) Acrolein	2.233	56	142	0.228	ug/l	# 14
16) Acetone	2.380	43	2994	2.115	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	2253	0.280	ug/l	91
20) Methylene Chloride	2.788	84	997	0.356	ug/l	# 78
25) 2-Butanone	4.599	43	693	0.347	ug/l	92
27) cis-1,2-Dichloroethene	4.495	96	722	0.243	ug/l	79
31) Cyclohexane	5.556	56	4835	1.280	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	16834	4.825	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	22235	6.091	ug/l	# 16
44) Trichloroethene	7.135	130	1929	0.646	ug/l	88
51) 4-Methyl-2-Pentanone	8.580	43	2952	0.759	ug/l	96
52) Toluene	8.720	92	182330	26.369	ug/l	93
53) t-1,3-Dichloropropene	8.714	75	2049	0.531	ug/l	# 1
60) Dibromochloromethane	9.281	129	1849	0.637	ug/l	# 11
64) Tetrachloroethene	9.281	164	1860	0.733	ug/l	# 92
68) m/p-Xylenes	10.305	106	1141	0.212	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	89119	19.840	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	89119	63.555	ug/l	# 5

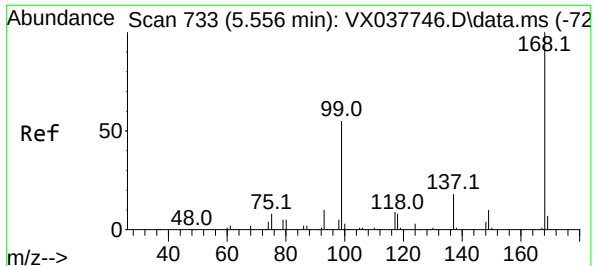
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 22 04:44:10 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

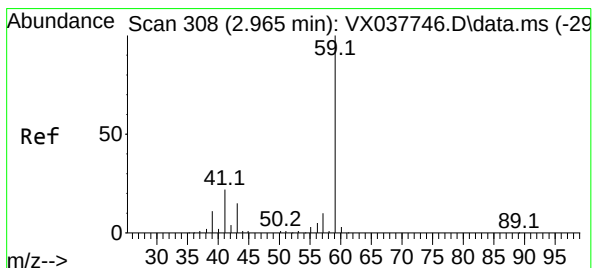
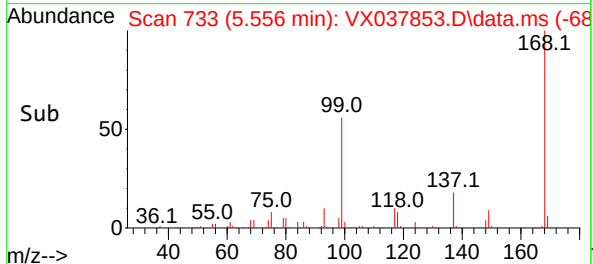
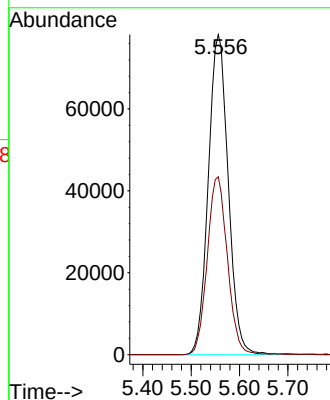
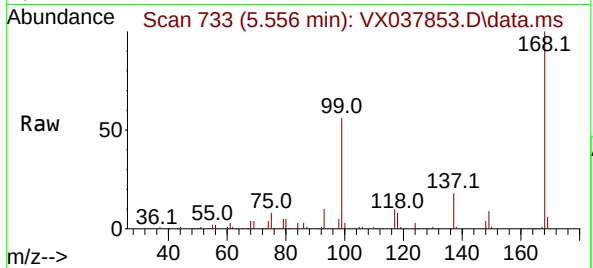




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037853.D
Acq: 21 Sep 2023 14:27

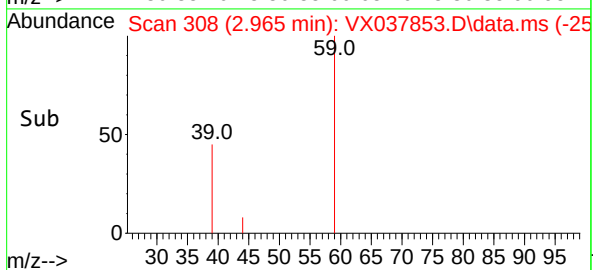
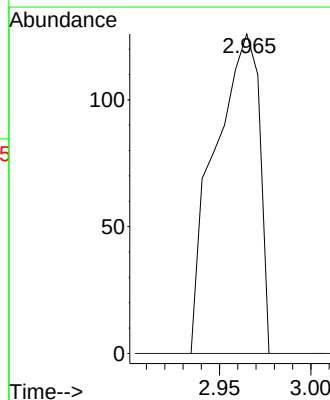
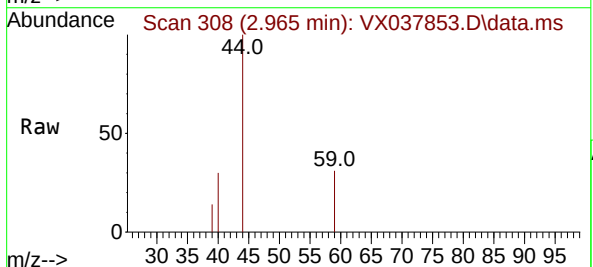
Instrument :
MSVOA_X
ClientSampleId :

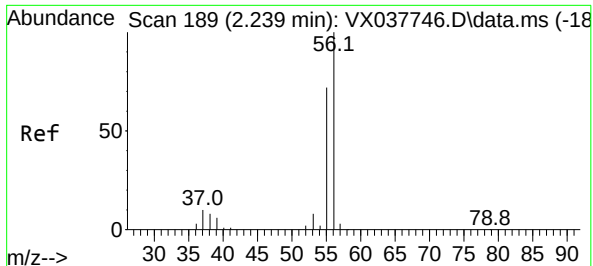
Tgt Ion:168 Resp: 223987
Ion Ratio Lower Upper
168 100
99 55.6 56.6 85.0#



#11
Tert butyl alcohol
Concen: 0.339 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.000 min
Lab File: VX037853.D
Acq: 21 Sep 2023 14:27

Tgt Ion: 59 Resp: 214
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

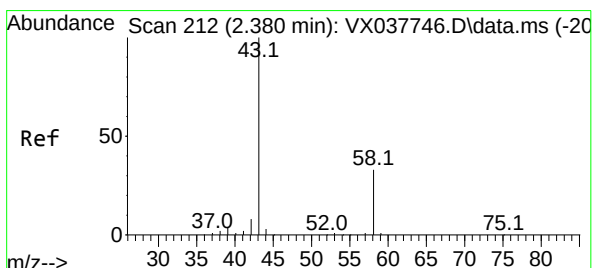
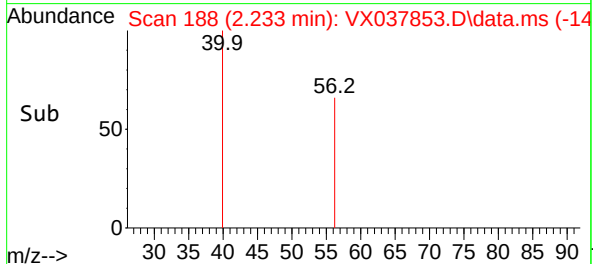
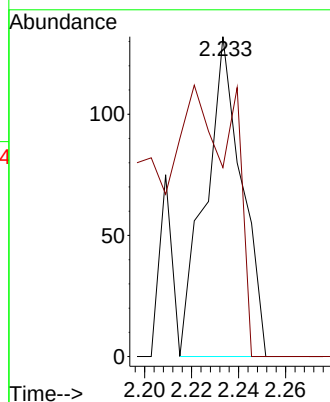
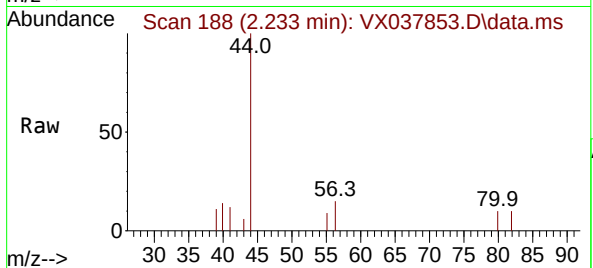




#13
Acrolein
Concen: 0.228 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037853.D
Acq: 21 Sep 2023 14:27

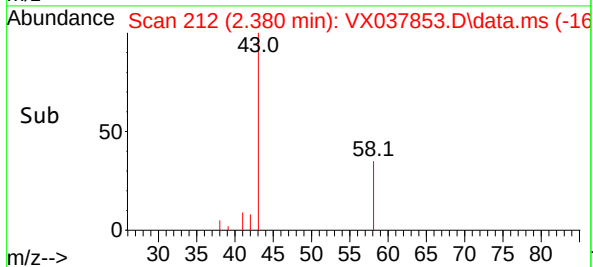
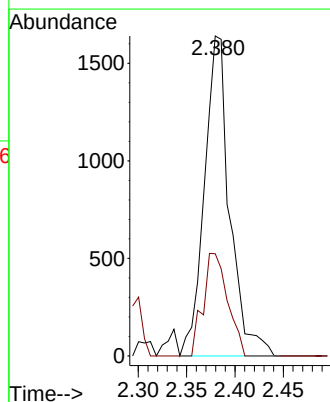
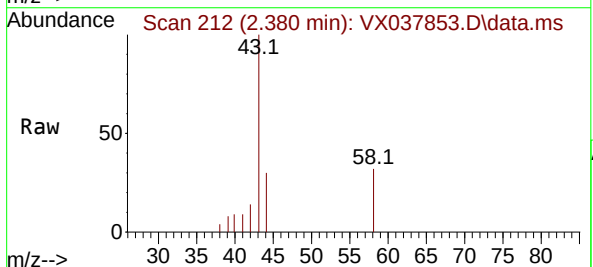
Instrument :
MSVOA_X
ClientSampleId :

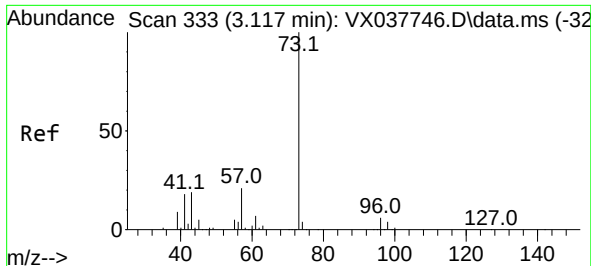
Tgt Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 2.115 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX037853.D
Acq: 21 Sep 2023 14:27

Tgt Ion: 43 Resp: 2994
Ion Ratio Lower Upper
43 100
58 32.0 21.9 32.9

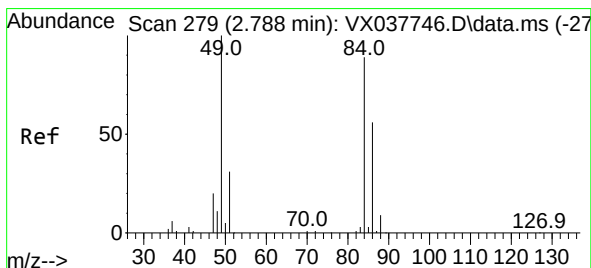
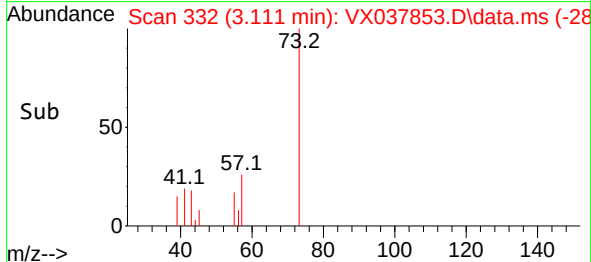
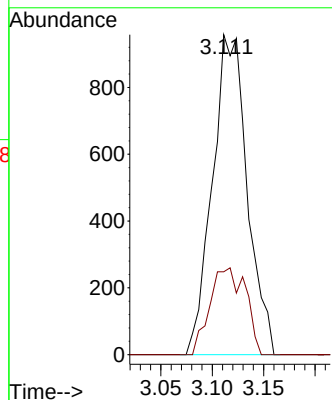
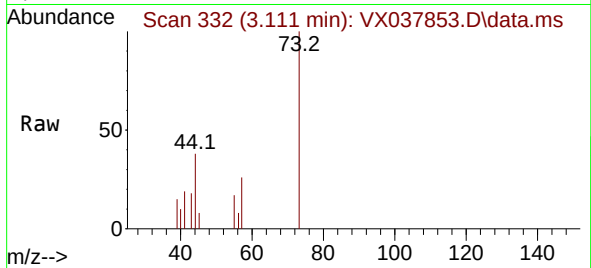




#19
Methyl tert-butyl Ether
Concen: 0.280 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.012 min
Lab File: VX037853.D
Acq: 21 Sep 2023 14:27

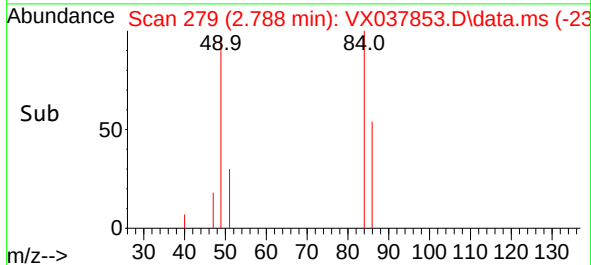
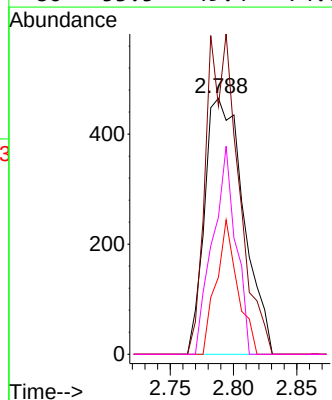
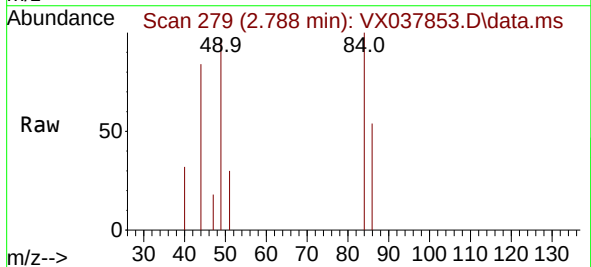
Instrument :
MSVOA_X
ClientSampleId :

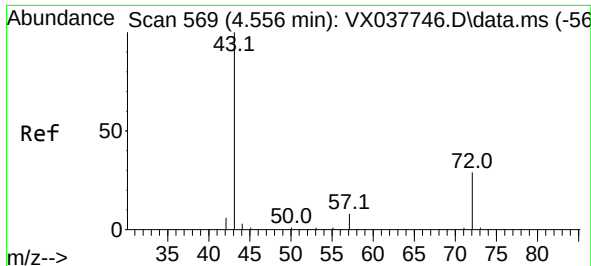
Tgt Ion: 73 Resp: 2253
Ion Ratio Lower Upper
73 100
57 25.9 17.3 25.9



#20
Methylene Chloride
Concen: 0.356 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037853.D
Acq: 21 Sep 2023 14:27

Tgt Ion: 84 Resp: 997
Ion Ratio Lower Upper
84 100
49 97.0 103.6 155.4#
51 30.1 33.8 50.6#
86 53.5 49.4 74.0





#25

2-Butanone

Concen: 0.347 ug/l

RT: 4.599 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX037853.D

Acq: 21 Sep 2023 14:27

Instrument :

MSVOA_X

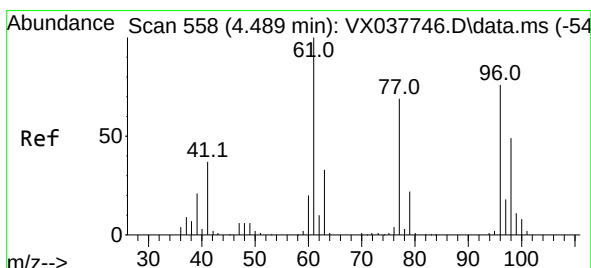
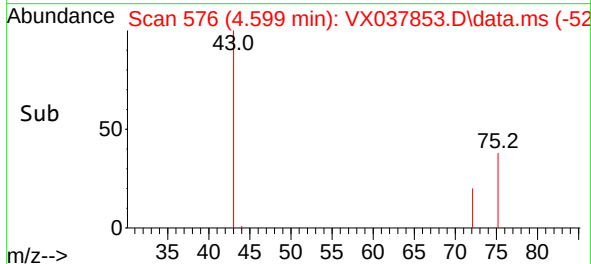
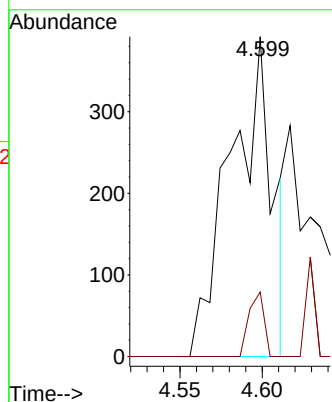
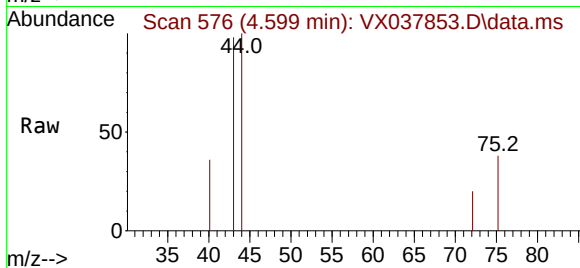
ClientSampleId :

Tgt Ion: 43 Resp: 693

Ion Ratio Lower Upper

43 100

72 20.2 19.4 29.2



#27

cis-1,2-Dichloroethene

Concen: 0.243 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX037853.D

Acq: 21 Sep 2023 14:27

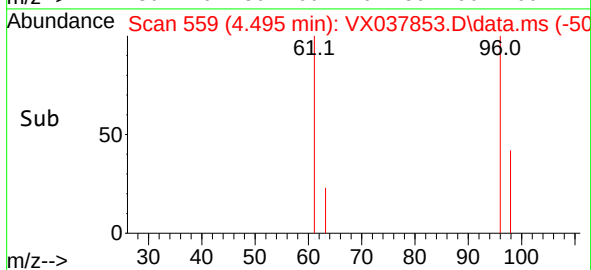
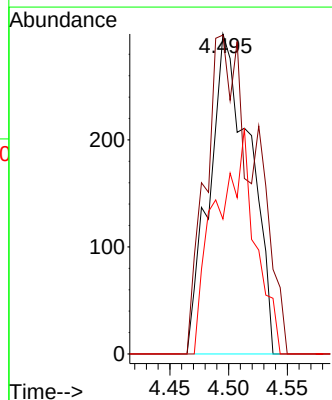
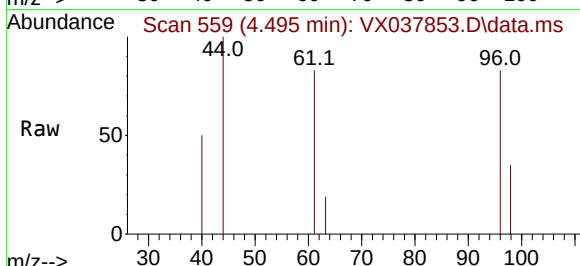
Tgt Ion: 96 Resp: 722

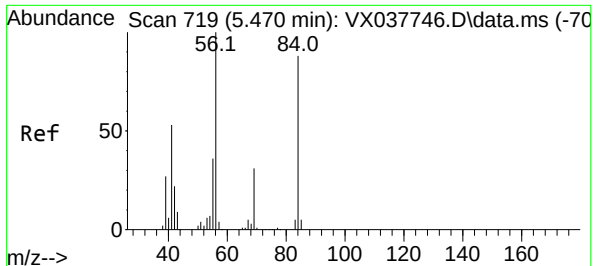
Ion Ratio Lower Upper

96 100

61 119.5 0.0 312.2

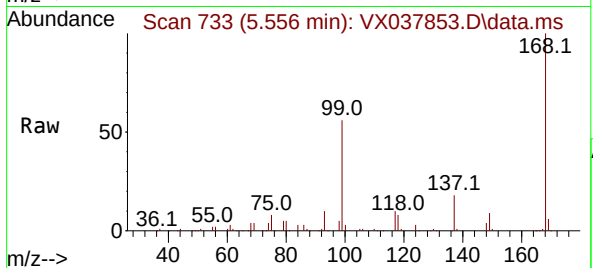
98 66.8 0.0 129.0



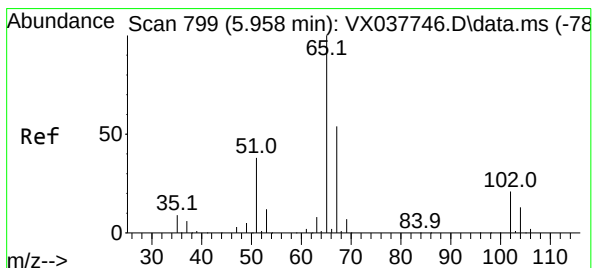
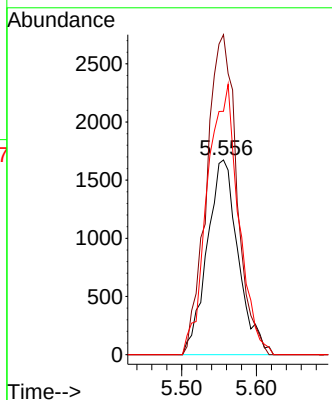
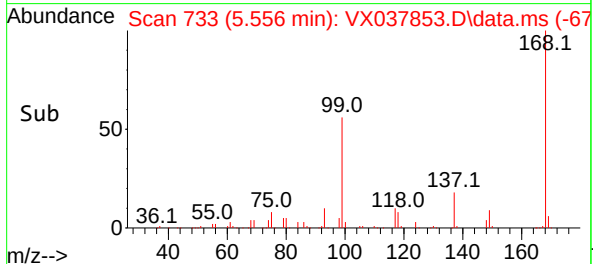


#31
Cyclohexane
Concen: 1.280 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX037853.D
Acq: 21 Sep 2023 14:27

Instrument :
MSVOA_X
ClientSampleId :

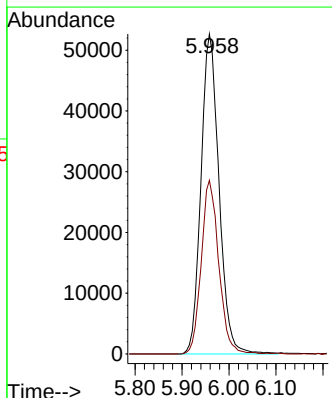
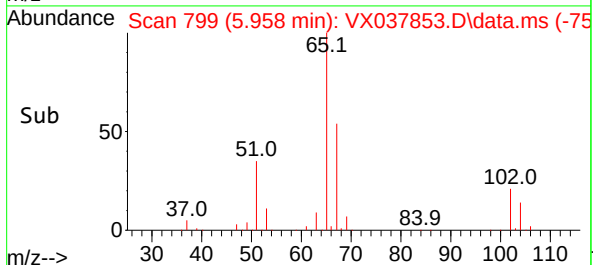
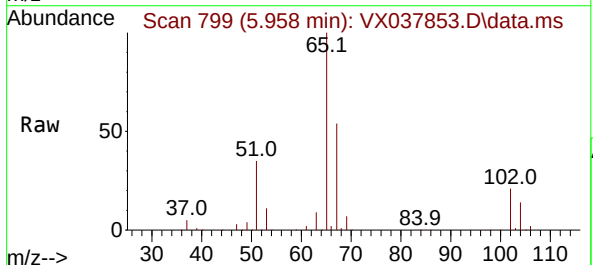


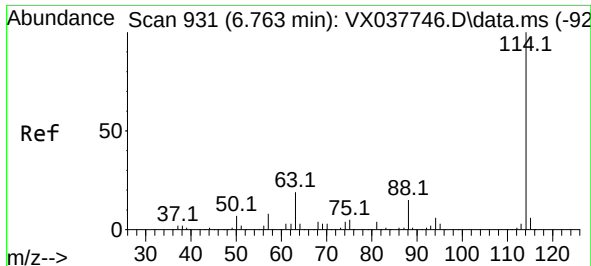
Tgt Ion: 56 Resp: 4835
Ion Ratio Lower Upper
56 100
69 164.3 23.4 35.2#
84 125.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.577 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037853.D
Acq: 21 Sep 2023 14:27

Tgt Ion: 65 Resp: 140013
Ion Ratio Lower Upper
65 100
67 52.8 0.0 100.2

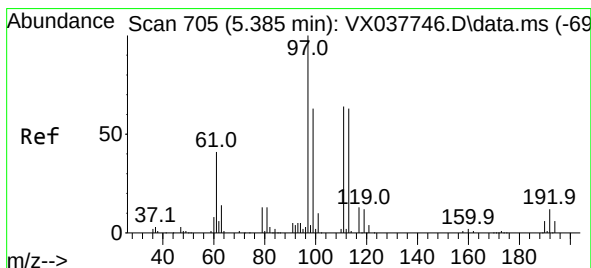
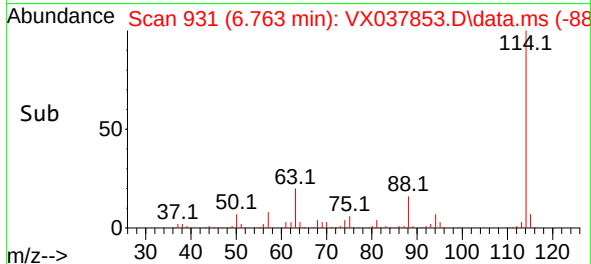
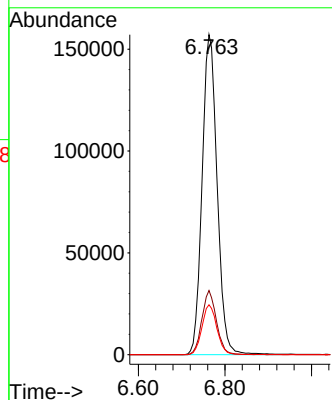
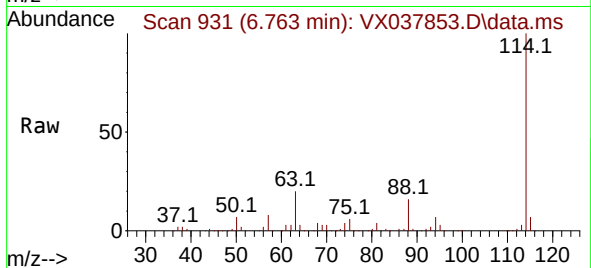




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037853.D
Acq: 21 Sep 2023 14:27

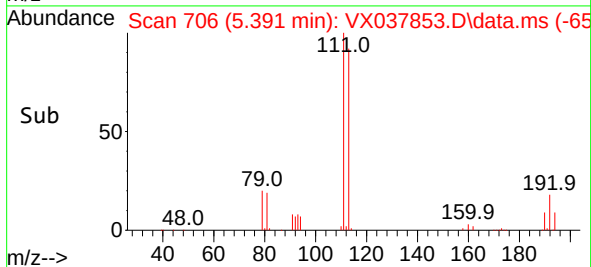
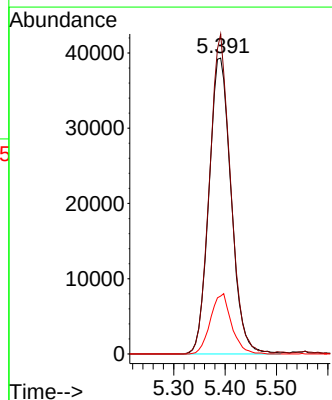
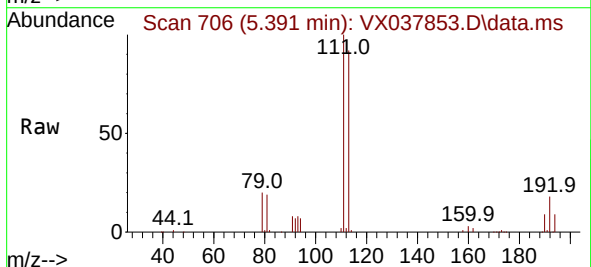
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MSVOA_X
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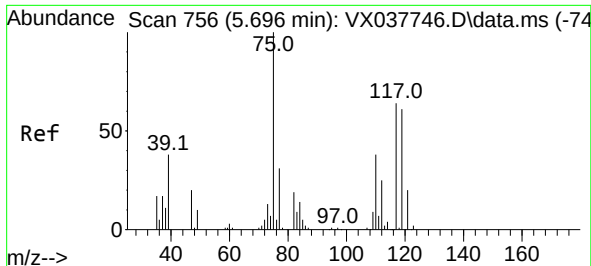
Tgt Ion:114 Resp: 378526
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.0
88 15.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.552 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037853.D
Acq: 21 Sep 2023 14:27

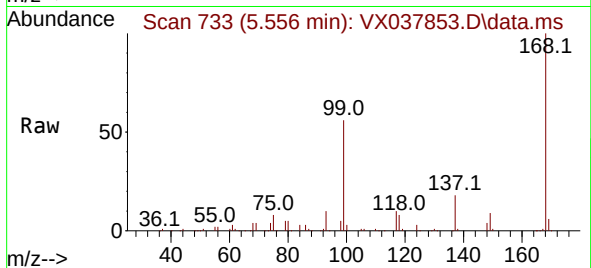
Tgt Ion:113 Resp: 117903
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 19.4 13.3 19.9



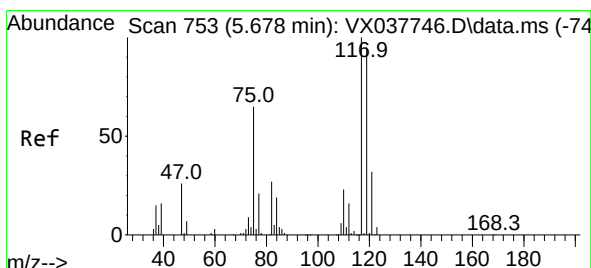
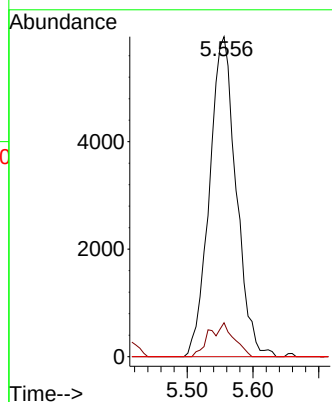
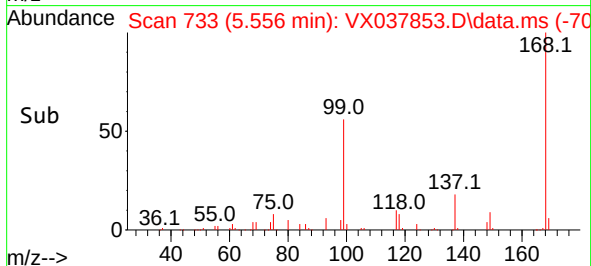


#36
1,1-Dichloropropene
Concen: 4.825 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX037853.D
Acq: 21 Sep 2023 14:27

Instrument :
MSVOA_X
ClientSampleId :

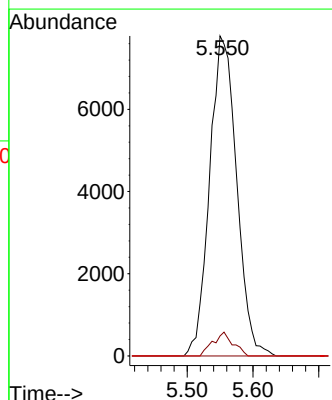
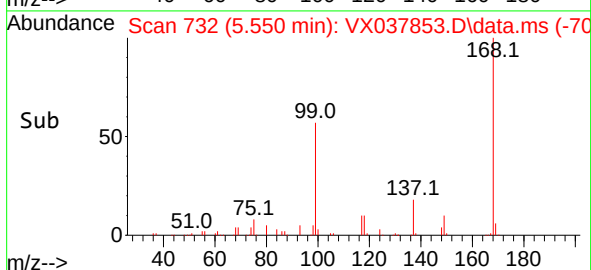
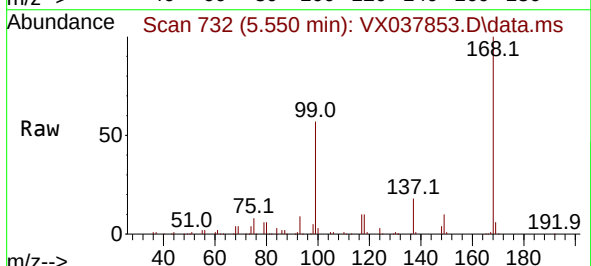


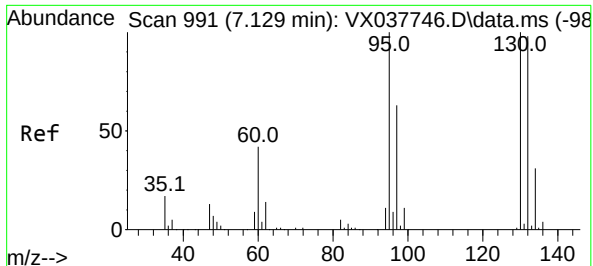
Tgt Ion: 75 Resp: 16834
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.091 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX037853.D
Acq: 21 Sep 2023 14:27

Tgt Ion: 117 Resp: 22235
Ion Ratio Lower Upper
117 100
119 6.2 78.2 117.2#
121 0.0 24.4 36.6#

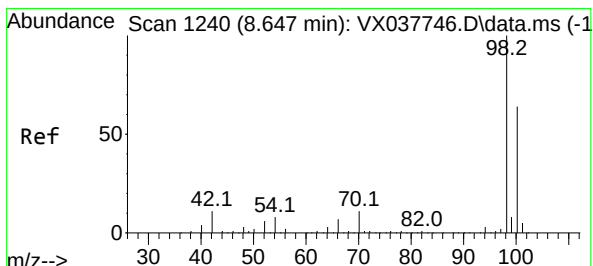
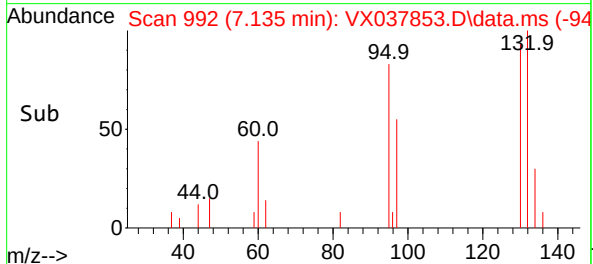
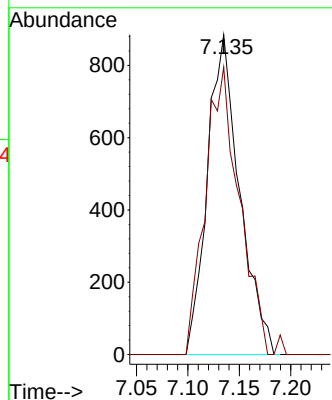
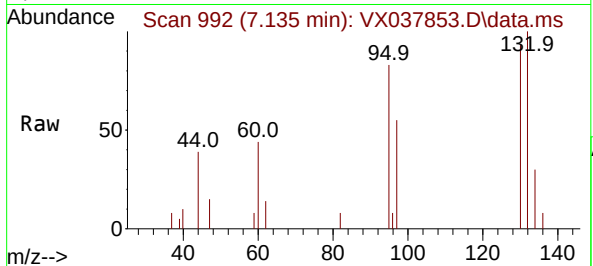




#44
Trichloroethene
Concen: 0.646 ug/l
RT: 7.135 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX037853.D
Acq: 21 Sep 2023 14:27

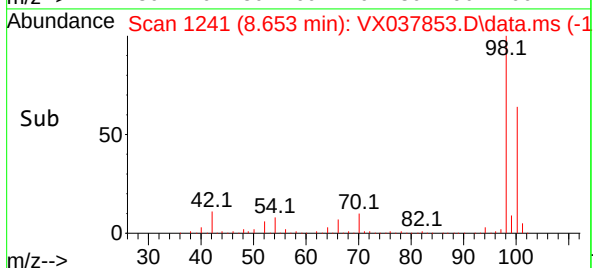
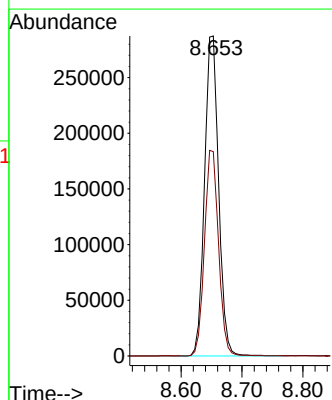
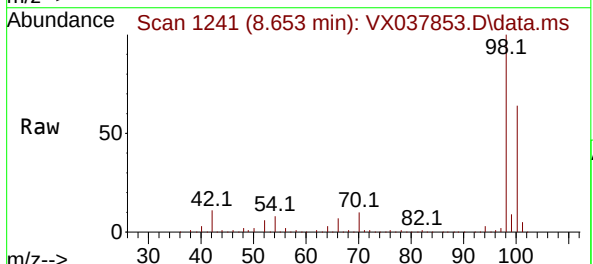
Instrument :
MSVOA_X
ClientSampleId :

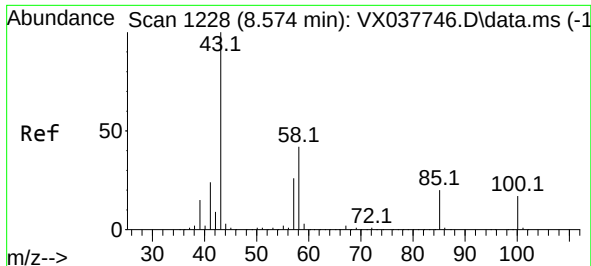
Tgt Ion:130 Resp: 1929
Ion Ratio Lower Upper
130 100
95 89.8 0.0 204.4



#50
Toluene-d8
Concen: 49.076 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX037853.D
Acq: 21 Sep 2023 14:27

Tgt Ion: 98 Resp: 461836
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7

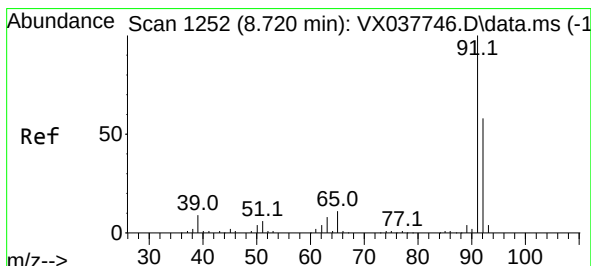
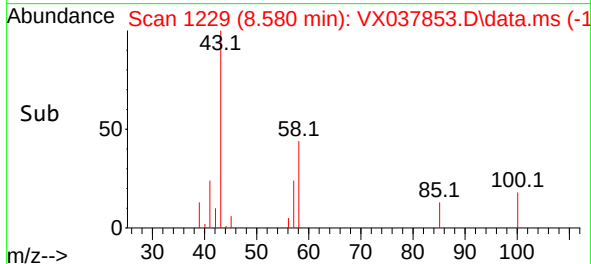
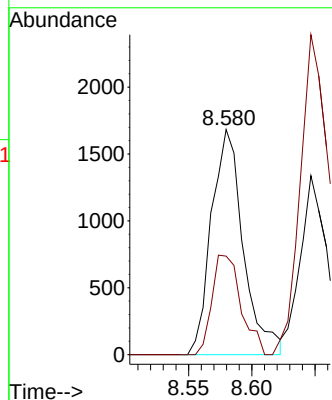
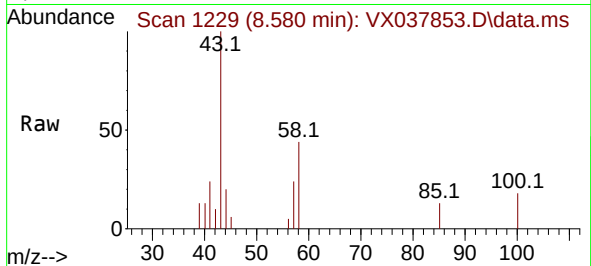




#51
4-Methyl-2-Pentanone
Concen: 0.759 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037853.D
Acq: 21 Sep 2023 14:27

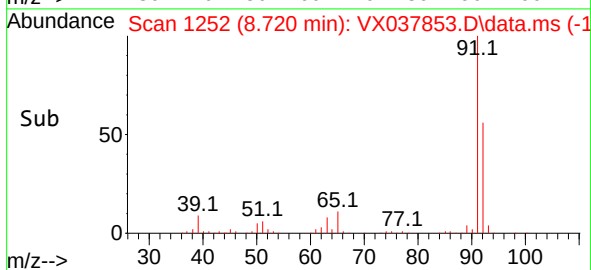
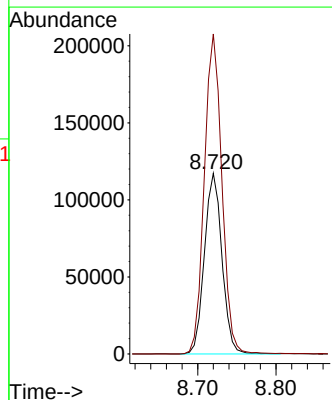
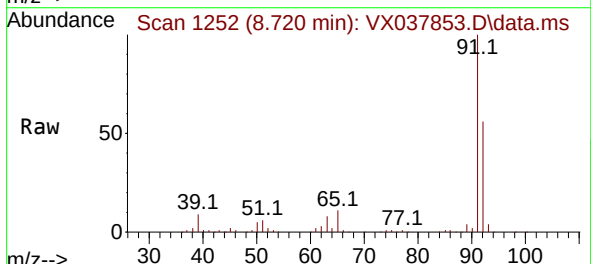
Instrument :
MSVOA_X
ClientSampleId :

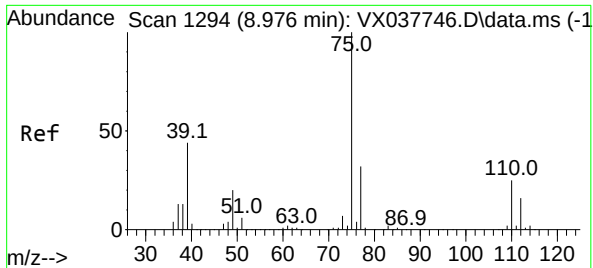
Tgt Ion: 43 Resp: 2952
Ion Ratio Lower Upper
43 100
58 40.2 30.4 45.6



#52
Toluene
Concen: 26.369 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX037853.D
Acq: 21 Sep 2023 14:27

Tgt Ion: 92 Resp: 182330
Ion Ratio Lower Upper
92 100
91 177.4 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 0.531 ug/l

RT: 8.714 min Scan# 11

Delta R.T. -0.274 min

Lab File: VX037853.D

Acq: 21 Sep 2023 14:27

Instrument :

MSVOA_X

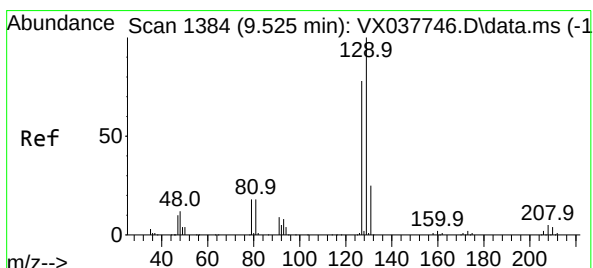
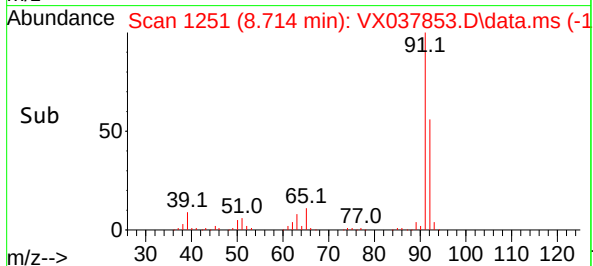
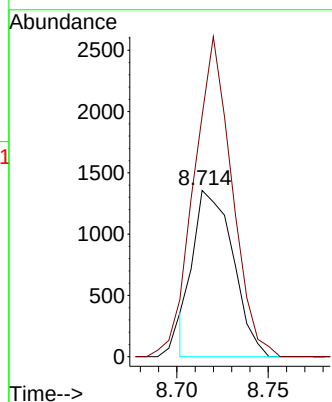
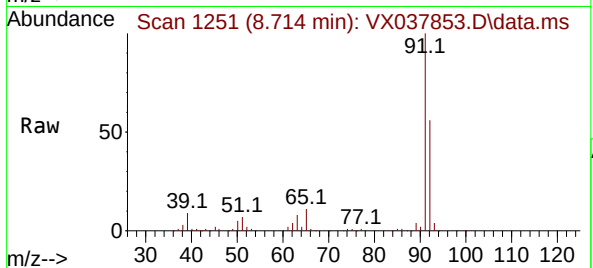
ClientSampleId :

Tgt Ion: 75 Resp: 2049

Ion Ratio Lower Upper

75 100

77 144.9 25.7 38.5#



#60

Dibromochloromethane

Concen: 0.637 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.238 min

Lab File: VX037853.D

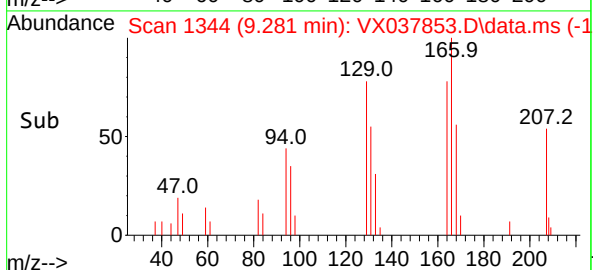
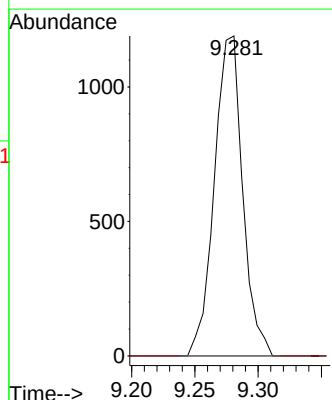
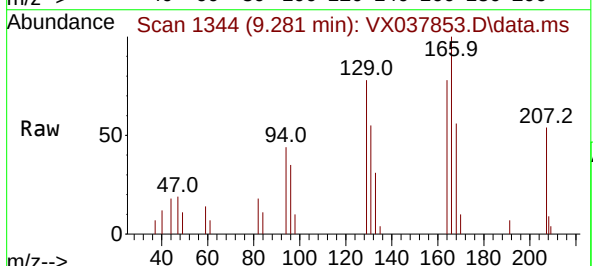
Acq: 21 Sep 2023 14:27

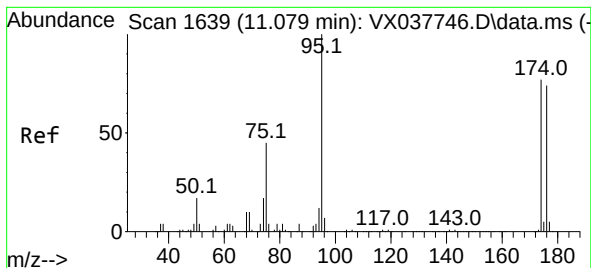
Tgt Ion: 129 Resp: 1849

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#





#62

4-Bromofluorobenzene

Concen: 51.203 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037853.D

Acq: 21 Sep 2023 14:27

Instrument :

MSVOA_X

ClientSampleId :

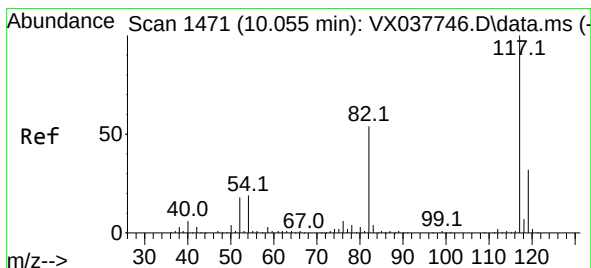
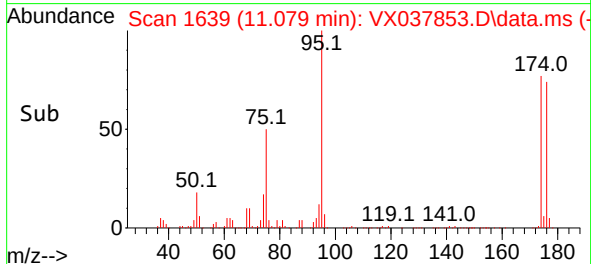
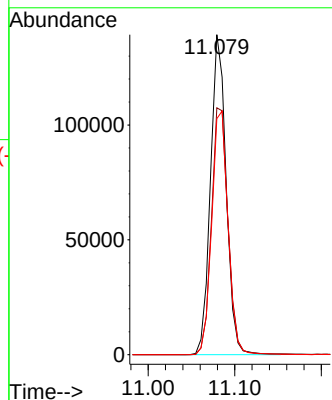
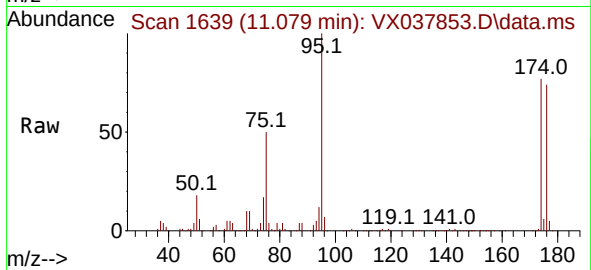
Tgt Ion: 95 Resp: 175099

Ion Ratio Lower Upper

95 100

174 81.7 0.0 135.6

176 79.6 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: VX037853.D

Acq: 21 Sep 2023 14:27

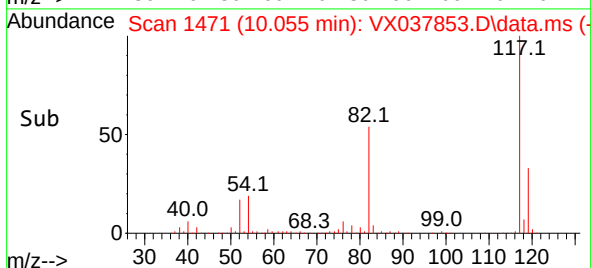
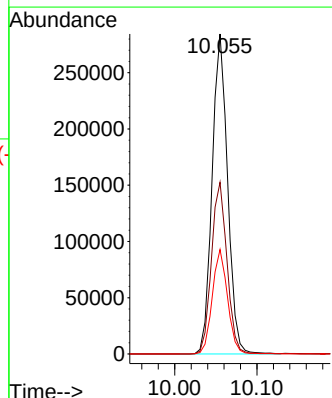
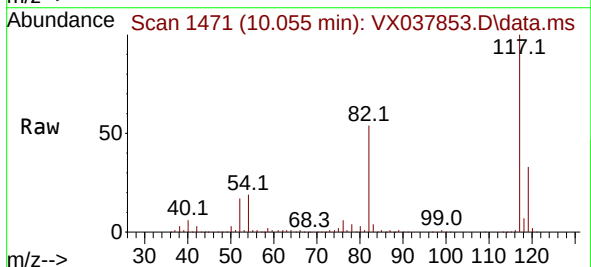
Tgt Ion: 117 Resp: 372192

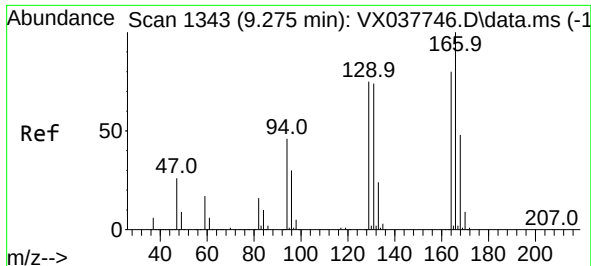
Ion Ratio Lower Upper

117 100

82 53.7 46.2 69.4

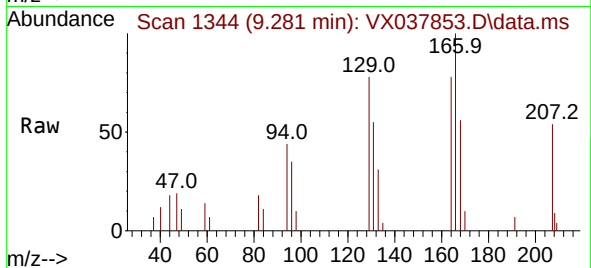
119 32.7 25.5 38.3



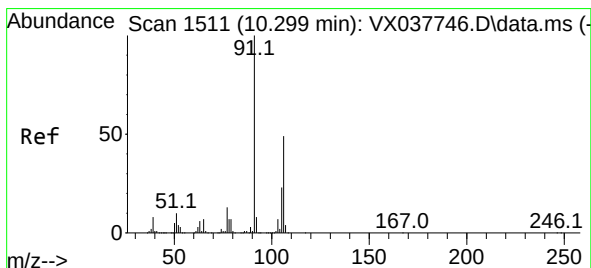
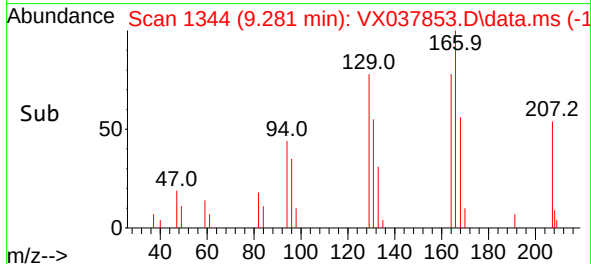
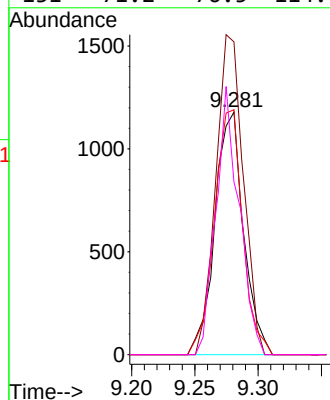


#64
Tetrachloroethene
Concen: 0.733 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037853.D
Acq: 21 Sep 2023 14:27

Instrument :
MSVOA_X
ClientSampleId :

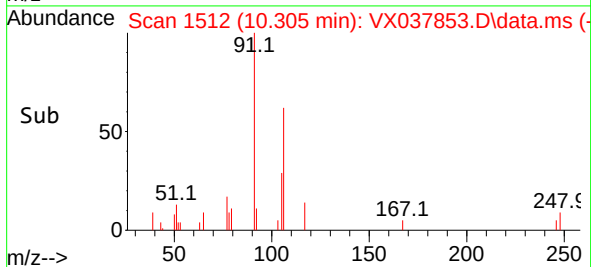
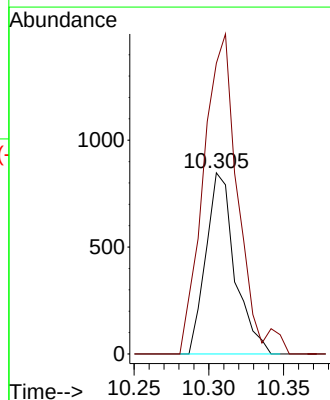
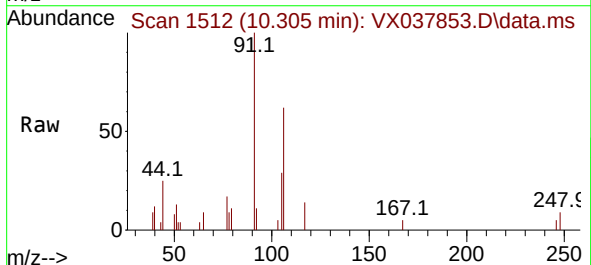


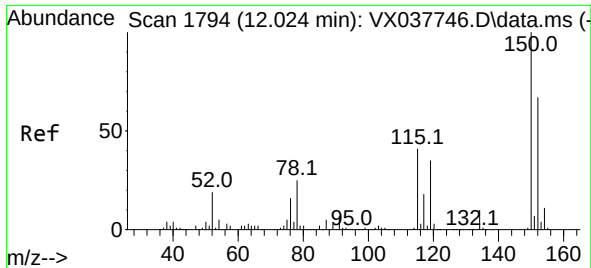
Tgt Ion:164 Resp: 1860
Ion Ratio Lower Upper
164 100
166 128.9 102.7 154.1
129 100.9 80.4 120.6
131 71.2 76.5 114.7#



#68
m/p-Xylenes
Concen: 0.212 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX037853.D
Acq: 21 Sep 2023 14:27

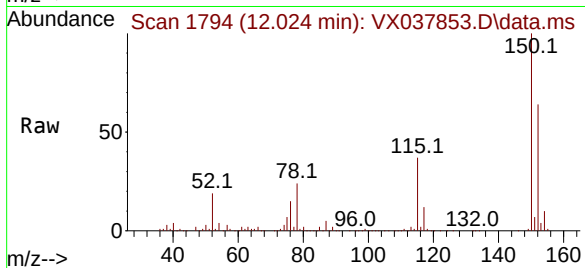
Tgt Ion:106 Resp: 1141
Ion Ratio Lower Upper
106 100
91 210.7 165.5 248.3



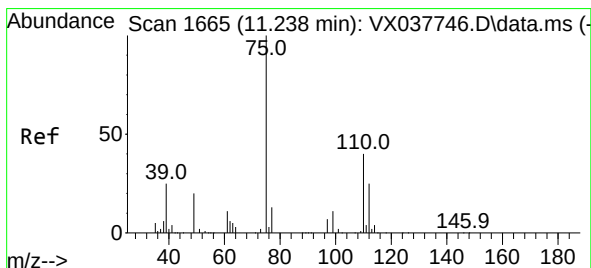
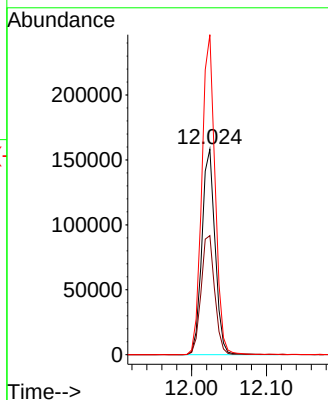
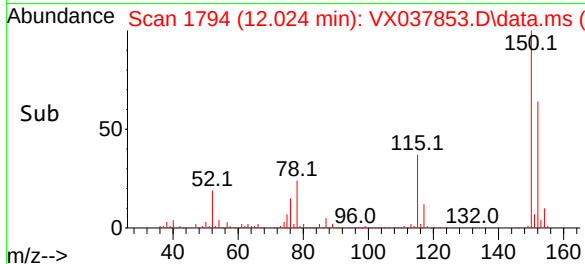


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX037853.D
 Acq: 21 Sep 2023 14:27

Instrument :
 MSVOA_X
 ClientSampleId :

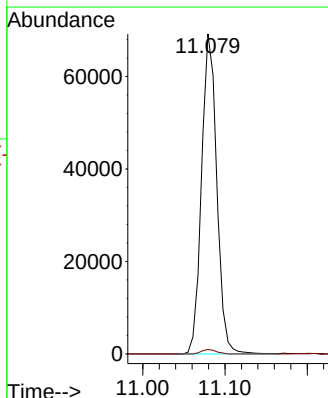
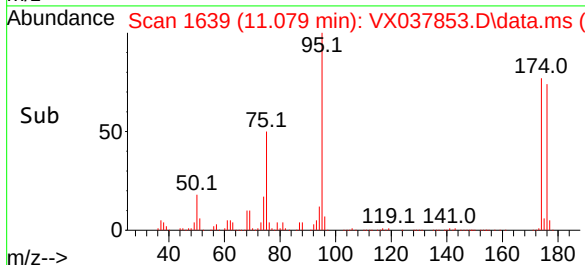
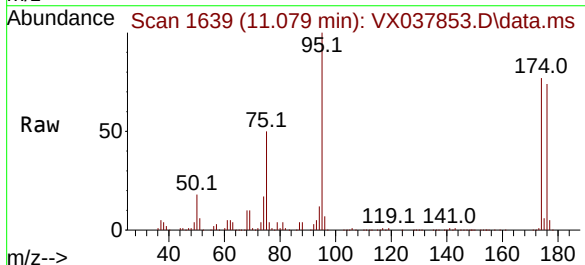


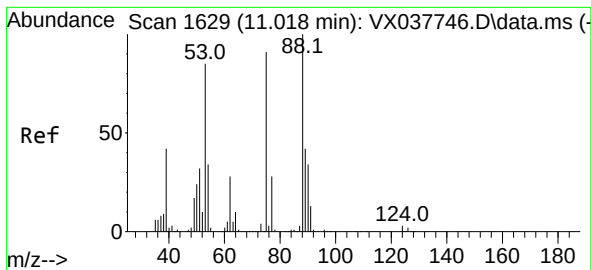
Tgt Ion:152 Resp: 194210
 Ion Ratio Lower Upper
 152 100
 115 60.1 43.3 129.9
 150 156.5 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.840 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037853.D
 Acq: 21 Sep 2023 14:27

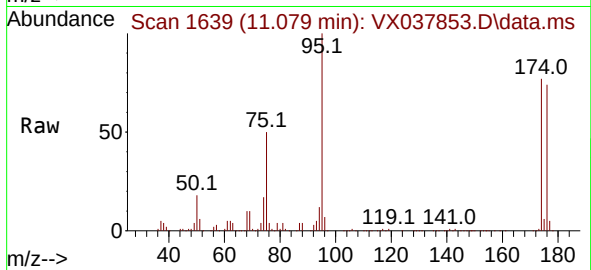
Tgt Ion: 75 Resp: 89119
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.555 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037853.D
 Acq: 21 Sep 2023 14:27

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 89119
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

