

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101122\
 Data File : VX032039.D
 Acq On : 11 Oct 2022 16:09
 Operator : JC/MD
 Sample : N4937-06 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-114

Quant Time: Oct 12 05:13:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

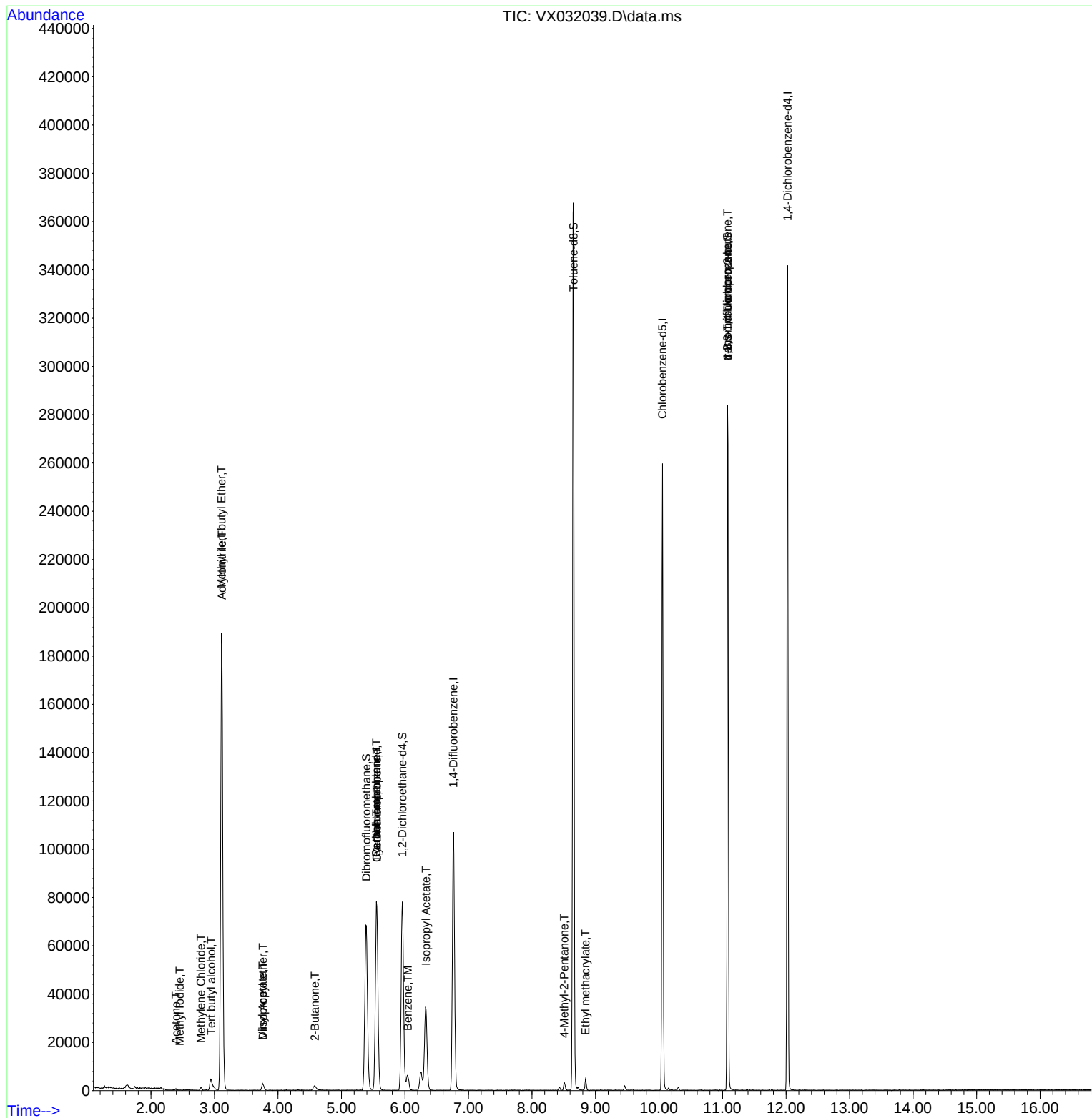
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	72152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	109233	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73337	49.216	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.440%
35) Dibromofluoromethane	5.391	113	58588	47.384	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.760%
50) Toluene-d8	8.653	98	218461	49.101	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.200%
62) 4-Bromofluorobenzene	11.079	95	71022	45.153	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.300%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	242	Below Cal	#	71
10) Methyl Iodide	2.453	142	75	2.813	ug/l #	38
11) Tert butyl alcohol	2.946	59	4861	26.220	ug/l #	73
15) Acrylonitrile	3.117	53	2525	4.272	ug/l #	27
16) Acetone	2.392	43	457	0.902	ug/l #	78
19) Methyl tert-butyl Ether	3.111	73	204101	55.342	ug/l	100
20) Methylene Chloride	2.788	84	451	0.339	ug/l #	73
22) Diisopropyl ether	3.763	45	2765	0.787	ug/l #	71
23) Vinyl Acetate	3.757	43	1468	0.559	ug/l #	71
25) 2-Butanone	4.580	43	197	0.249	ug/l #	49
31) Cyclohexane	5.556	56	1620	0.910	ug/l #	23
36) 1,1-Dichloropropene	5.556	75	5896	3.596	ug/l #	49
38) Carbon Tetrachloride	5.550	117	7782	4.642	ug/l #	18
40) Benzene	6.043	78	7212	1.502	ug/l	99
43) Isopropyl Acetate	6.330	43	11760	5.021	ug/l #	11
51) 4-Methyl-2-Pentanone	8.506	43	399	0.257	ug/l #	37
56) Ethyl methacrylate	8.842	69	832	0.490	ug/l #	75
76) 1,2,3-Trichloropropane	11.079	75	39055	28.737	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	39055	98.237	ug/l #	11

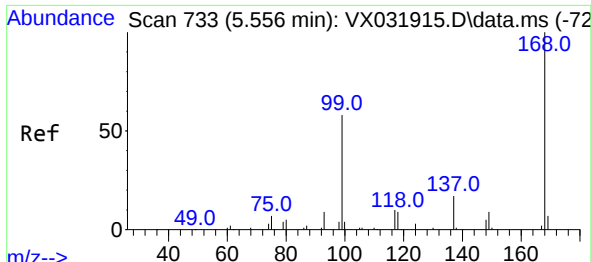
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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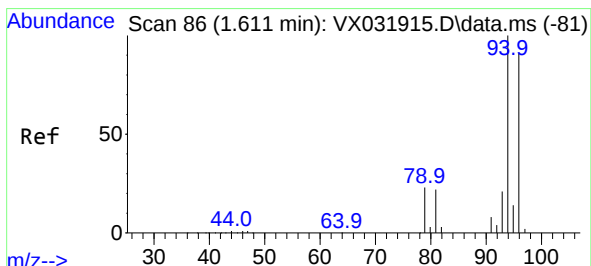
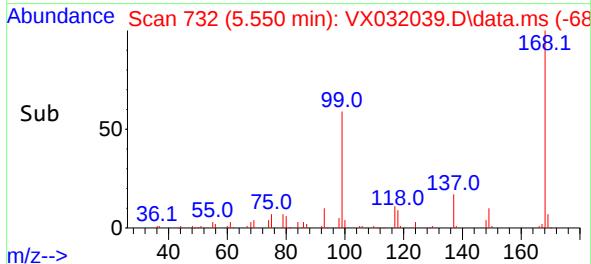
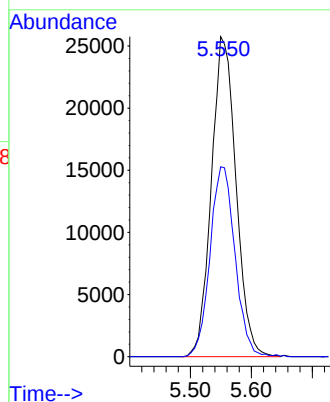
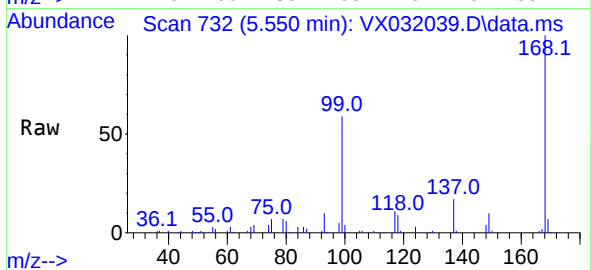




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032039.D
Acq: 11 Oct 2022 16:09

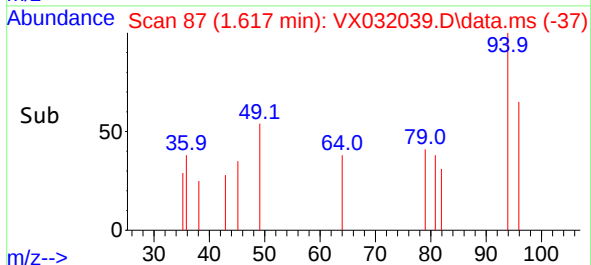
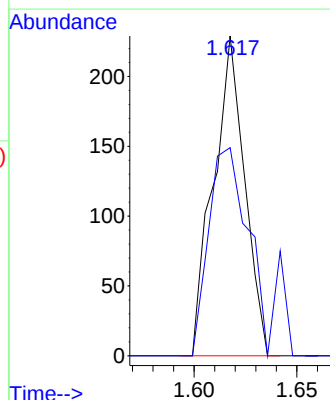
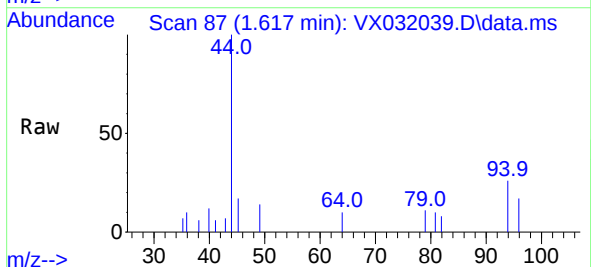
Instrument :
MSVOA_X
ClientSampleId :
MW-114

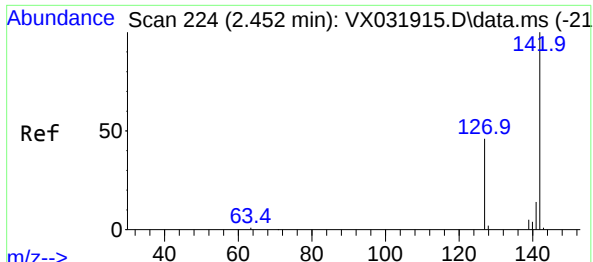
Tgt Ion:168 Resp: 72152
Ion Ratio Lower Upper
168 100
99 59.4 48.8 73.2



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX032039.D
Acq: 11 Oct 2022 16:09

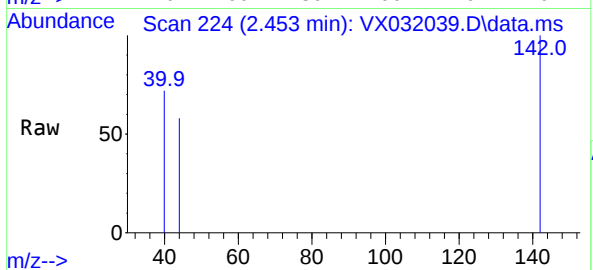
Tgt Ion: 94 Resp: 242
Ion Ratio Lower Upper
94 100
96 65.1 74.4 111.6#





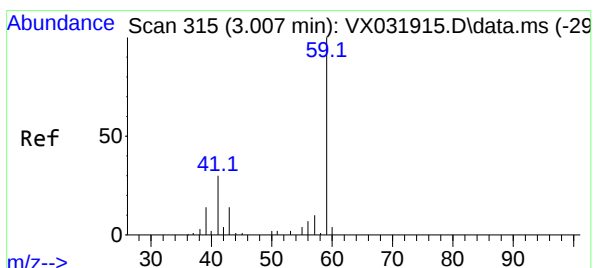
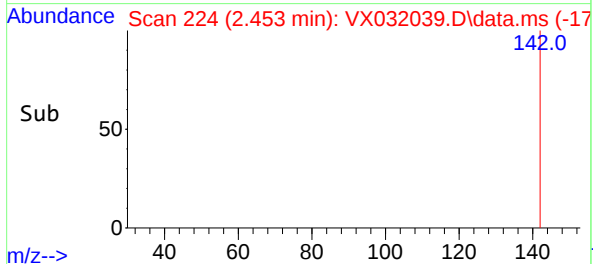
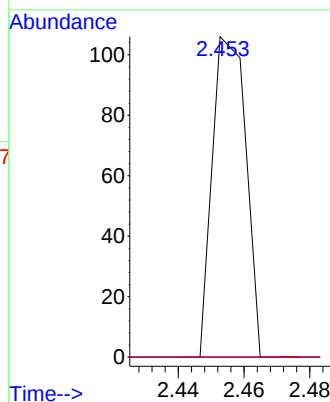
#10
Methyl Iodide
Concen: 2.813 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX032039.D
Acq: 11 Oct 2022 16:09

Instrument :
MSVOA_X
ClientSampleId :
MW-114



Tgt Ion:142 Resp: 75

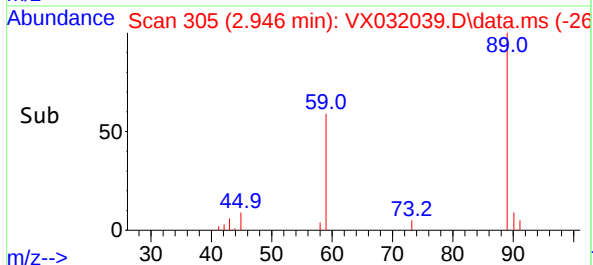
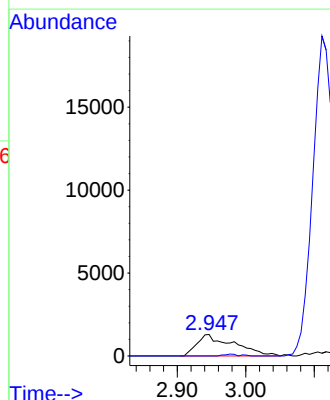
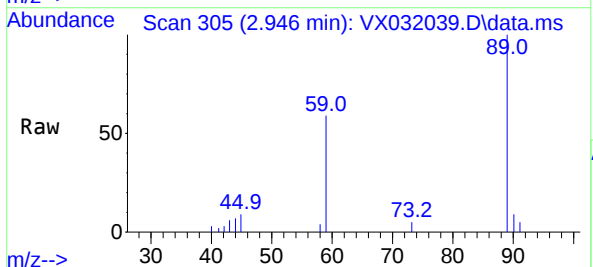
Ion	Ratio	Lower	Upper
142	100		
127	0.0	37.4	56.0#
141	0.0	11.6	17.4#

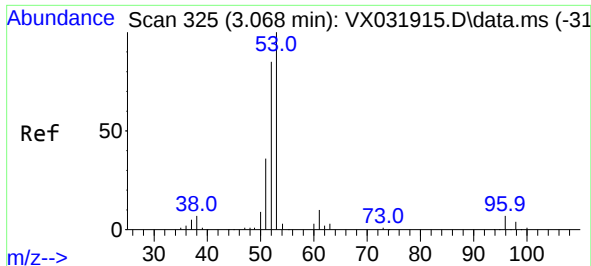


#11
Tert butyl alcohol
Concen: 26.220 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.061 min
Lab File: VX032039.D
Acq: 11 Oct 2022 16:09

Tgt Ion: 59 Resp: 4861

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

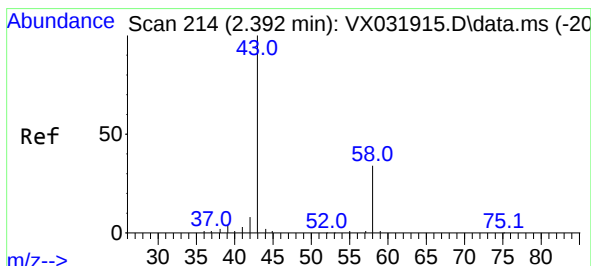
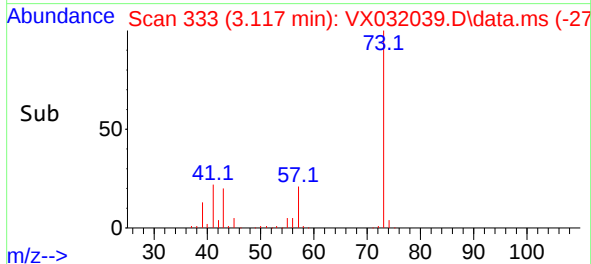
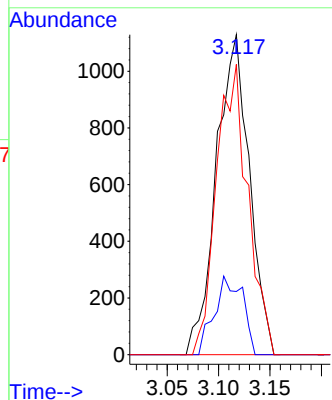
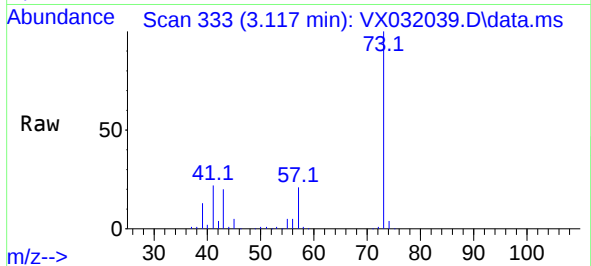




#15
Acrylonitrile
Concen: 4.272 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.049 min
Lab File: VX032039.D
Acq: 11 Oct 2022 16:09

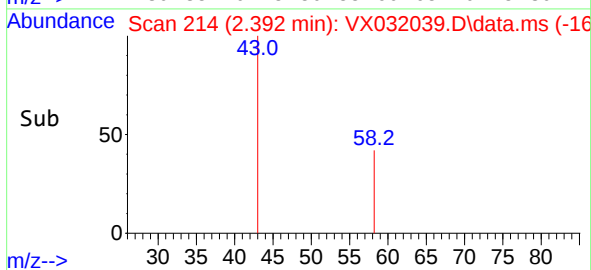
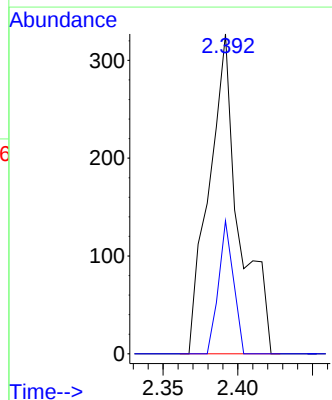
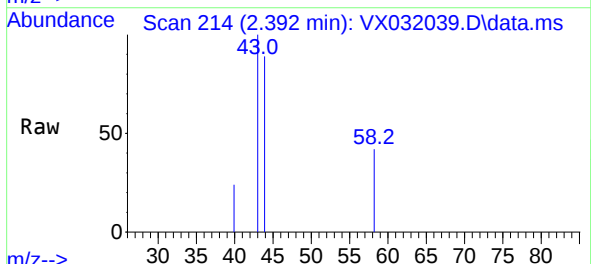
Instrument :
MSVOA_X
ClientSampleId :
MW-114

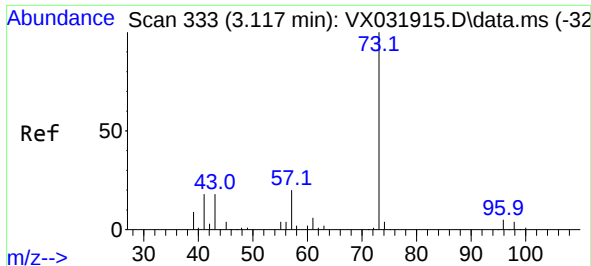
Tgt Ion: 53 Resp: 2525
Ion Ratio Lower Upper
53 100
52 20.8 66.9 100.3#
51 86.1 30.0 45.0#



#16
Acetone
Concen: 0.902 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX032039.D
Acq: 11 Oct 2022 16:09

Tgt Ion: 43 Resp: 457
Ion Ratio Lower Upper
43 100
58 41.6 23.8 35.8#

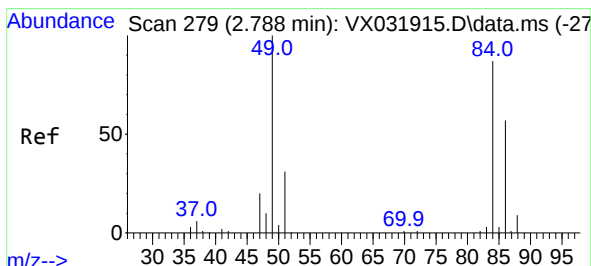
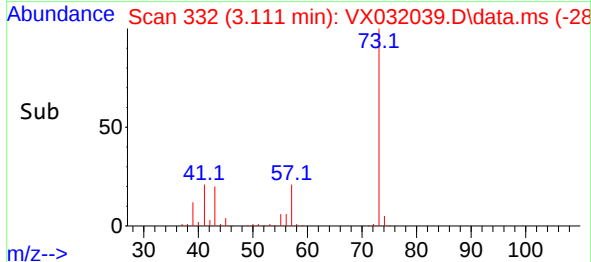
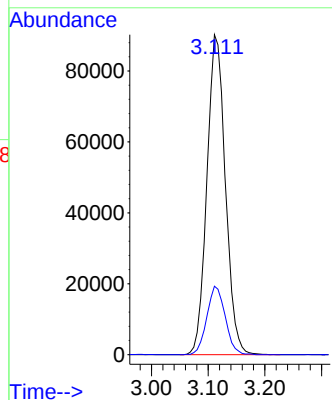
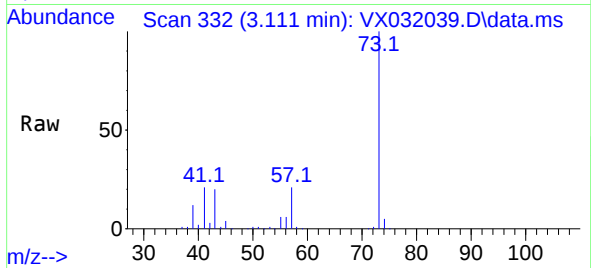




#19
Methyl tert-butyl Ether
Concen: 55.342 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX032039.D
Acq: 11 Oct 2022 16:09

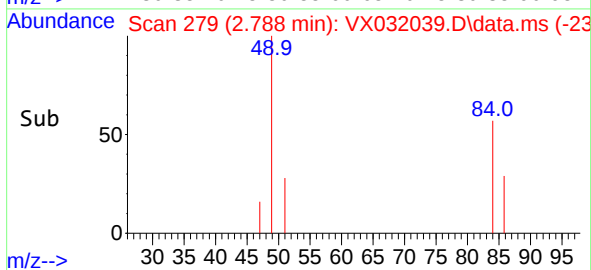
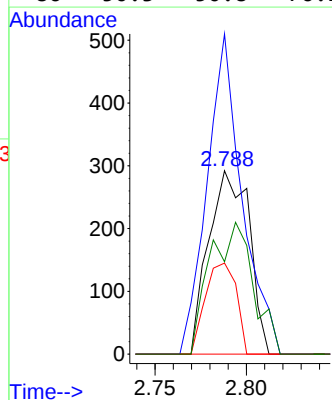
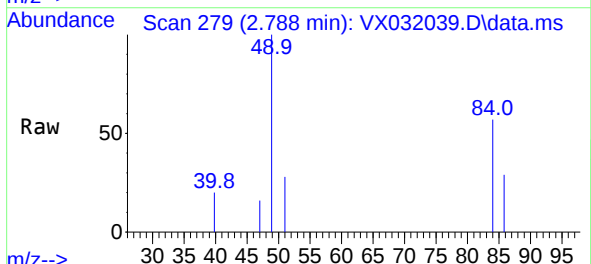
Instrument :
MSVOA_X
ClientSampleId :
MW-114

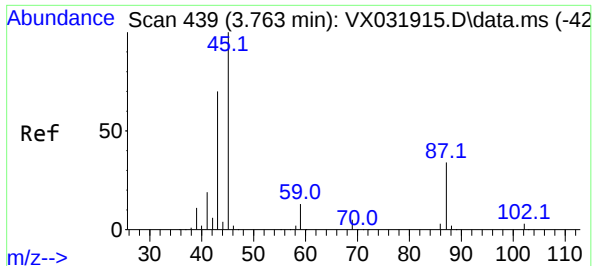
Tgt Ion: 73 Resp: 204101
Ion Ratio Lower Upper
73 100
57 21.4 17.2 25.8



#20
Methylene Chloride
Concen: 0.339 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX032039.D
Acq: 11 Oct 2022 16:09

Tgt Ion: 84 Resp: 451
Ion Ratio Lower Upper
84 100
49 174.7 105.9 158.9#
51 49.7 32.2 48.2#
86 50.3 50.8 76.2#

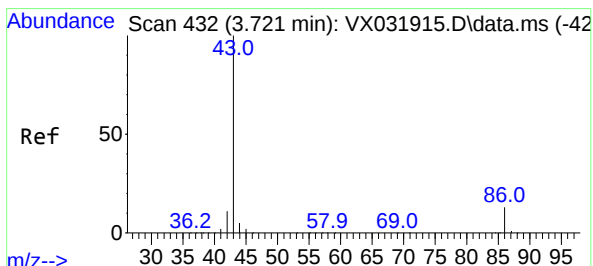
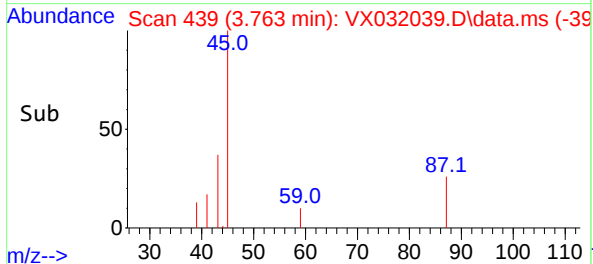
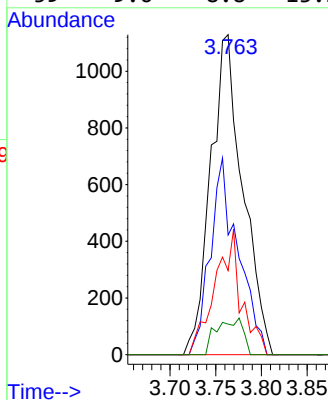
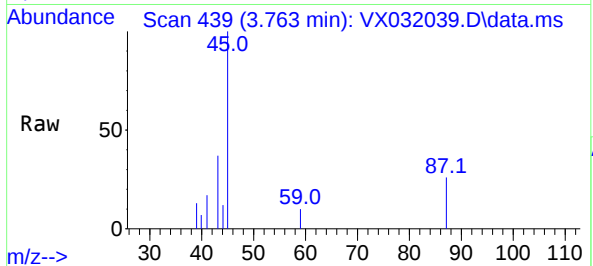




#22
Diisopropyl ether
Concen: 0.787 ug/l
RT: 3.763 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX032039.D
Acq: 11 Oct 2022 16:09

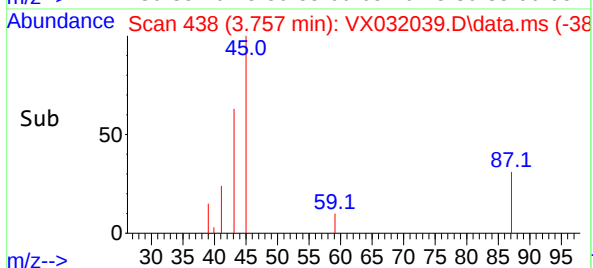
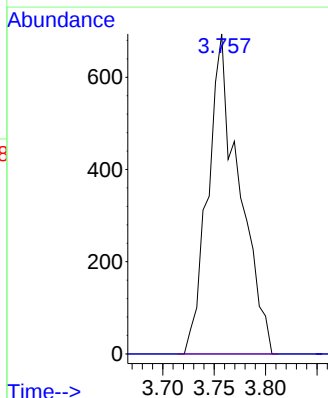
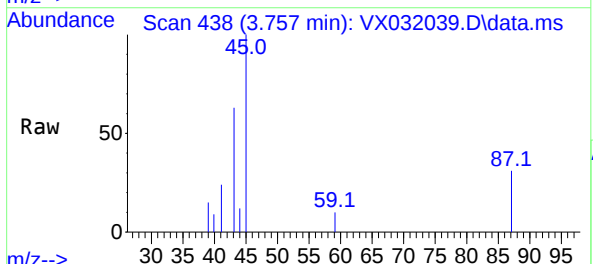
Instrument :
MSVOA_X
ClientSampleId :
MW-114

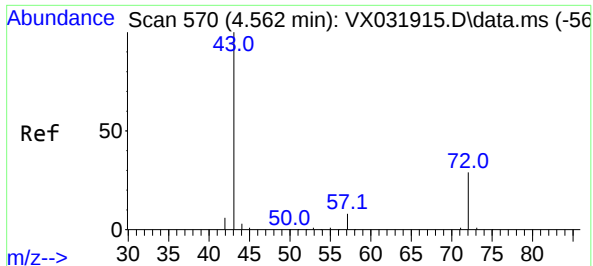
Tgt Ion:	45	Resp:	2765
Ion	Ratio	Lower	Upper
45	100		
43	37.4	59.0	88.6#
87	26.3	22.6	33.8
59	9.6	8.8	13.2



#23
Vinyl Acetate
Concen: 0.559 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.036 min
Lab File: VX032039.D
Acq: 11 Oct 2022 16:09

Tgt Ion:	43	Resp:	1468
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.7	13.1#





#25

2-Butanone

Concen: 0.249 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX032039.D

Acq: 11 Oct 2022 16:09

Instrument :

MSVOA_X

ClientSampleId :

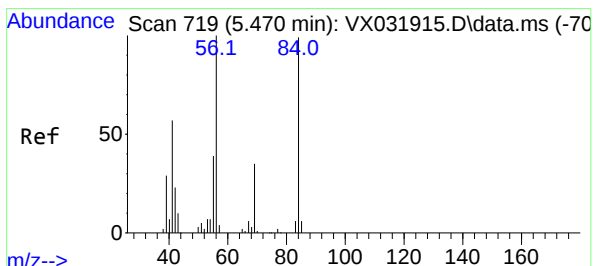
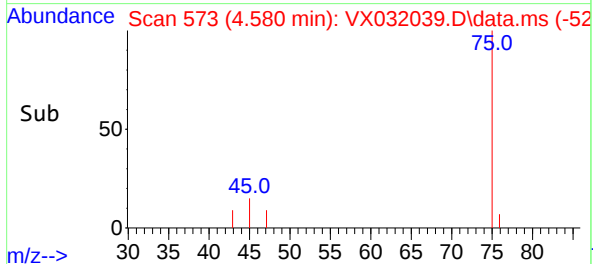
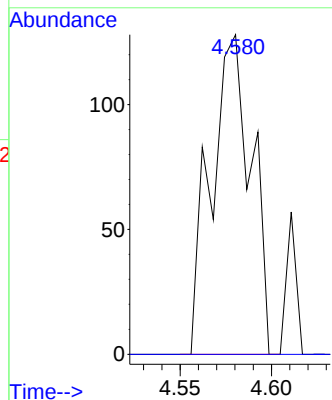
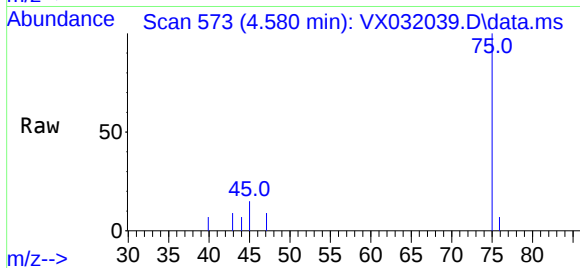
MW-114

Tgt Ion: 43 Resp: 197

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#31

Cyclohexane

Concen: 0.910 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX032039.D

Acq: 11 Oct 2022 16:09

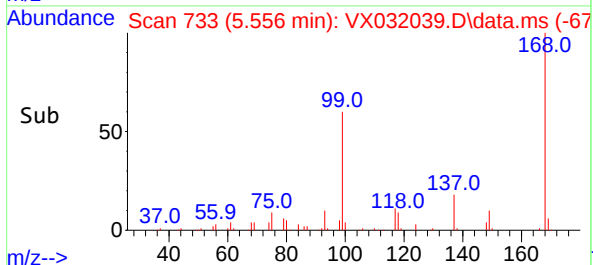
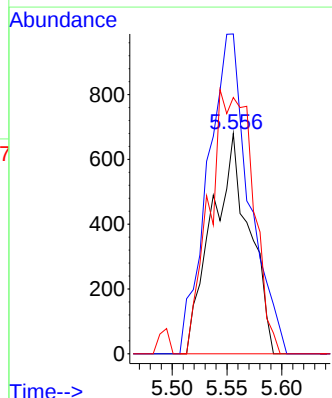
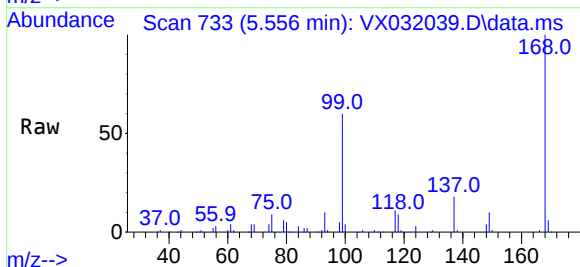
Tgt Ion: 56 Resp: 1620

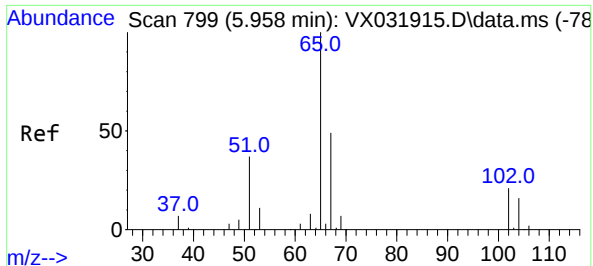
Ion Ratio Lower Upper

56 100

69 145.1 25.1 37.7#

84 116.3 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 49.216 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032039.D

Acq: 11 Oct 2022 16:09

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ClientSampleId :

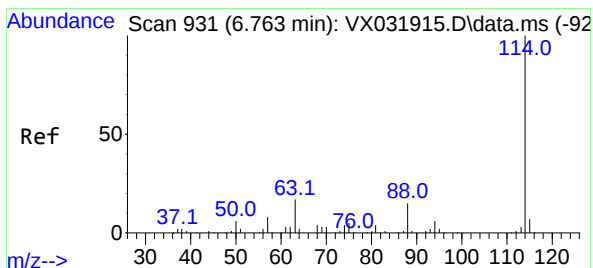
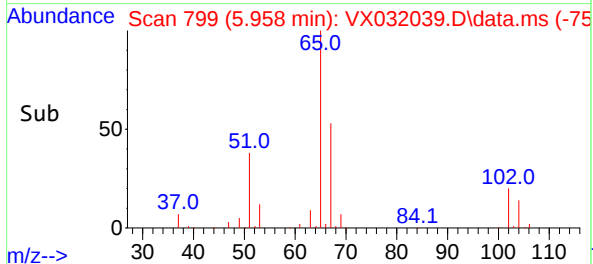
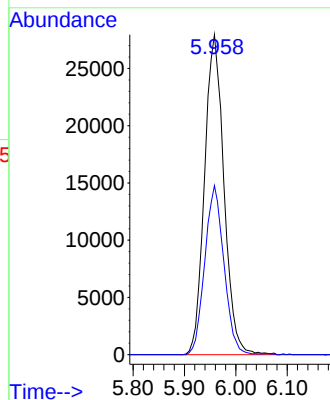
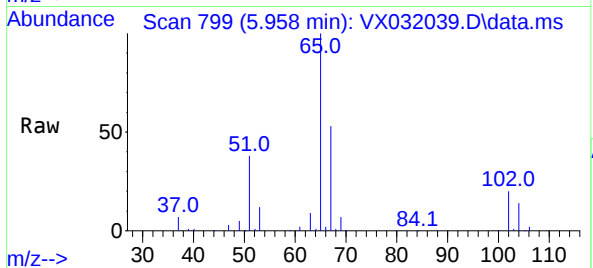
MW-114

Tgt Ion: 65 Resp: 73337

Ion Ratio Lower Upper

65 100

67 52.1 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX032039.D

Acq: 11 Oct 2022 16:09

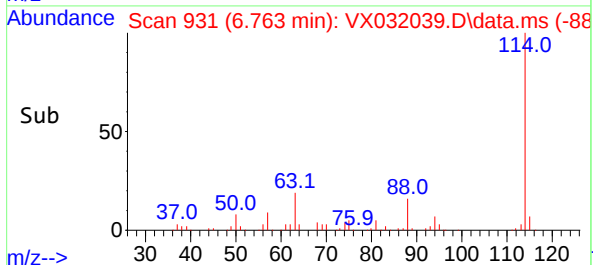
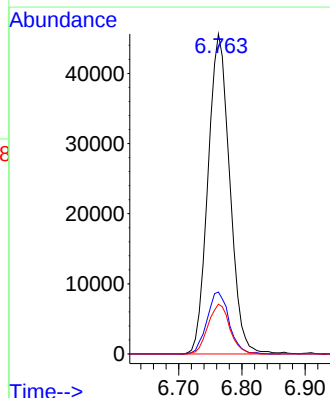
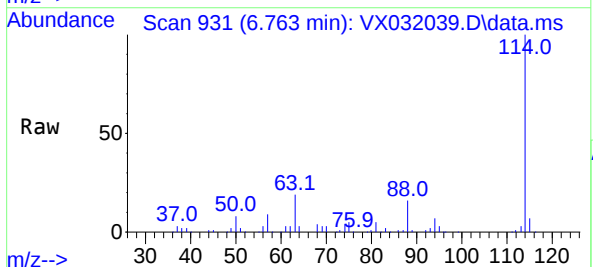
Tgt Ion: 114 Resp: 109233

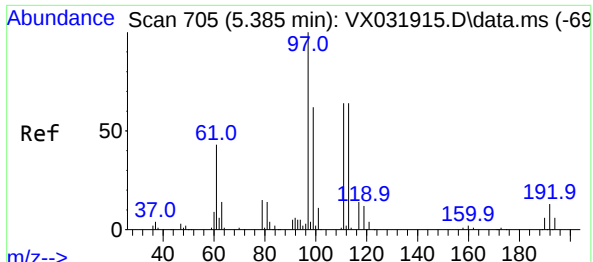
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 15.5 0.0 33.0





#35

Dibromofluoromethane

Concen: 47.384 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032039.D

Acq: 11 Oct 2022 16:09

Instrument :

MSVOA_X

ClientSampleId :

MW-114

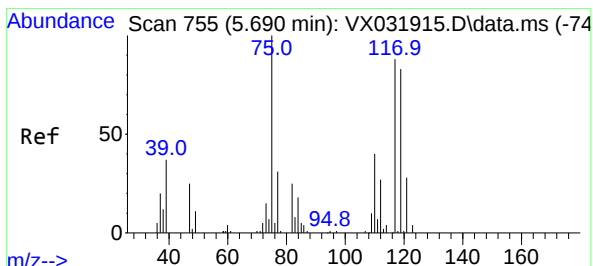
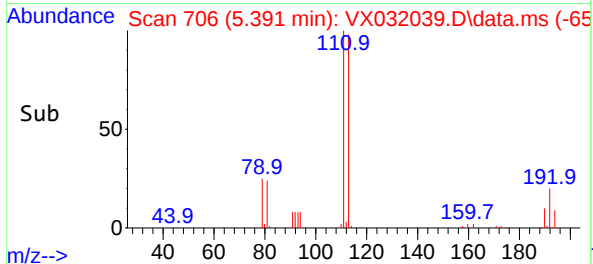
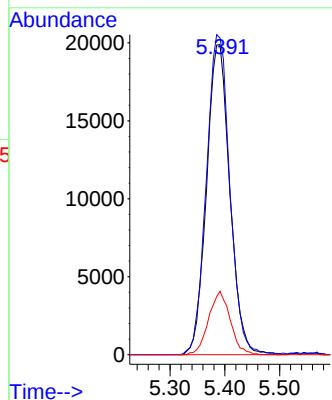
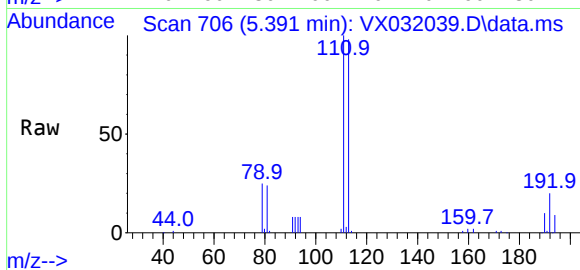
Tgt Ion:113 Resp: 58588

Ion Ratio Lower Upper

113 100

111 103.9 82.4 123.6

192 19.0 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.596 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX032039.D

Acq: 11 Oct 2022 16:09

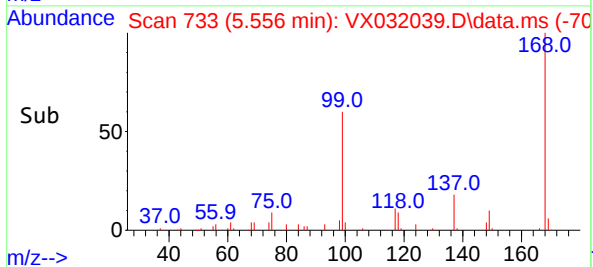
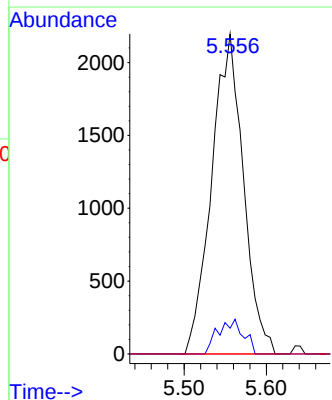
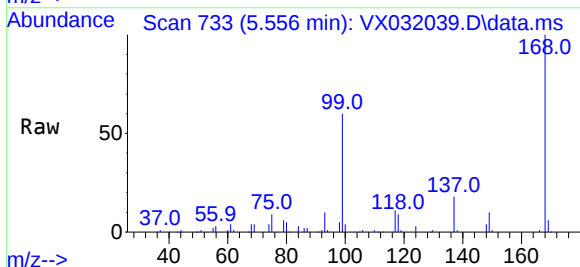
Tgt Ion: 75 Resp: 5896

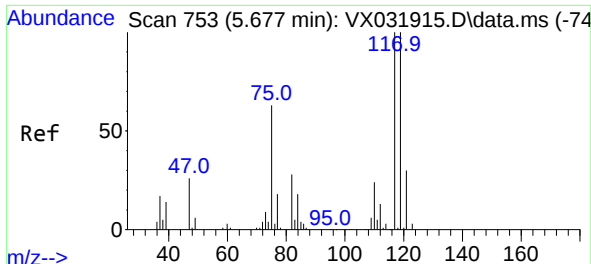
Ion Ratio Lower Upper

75 100

110 8.6 17.5 52.5#

77 0.0 24.9 37.3#

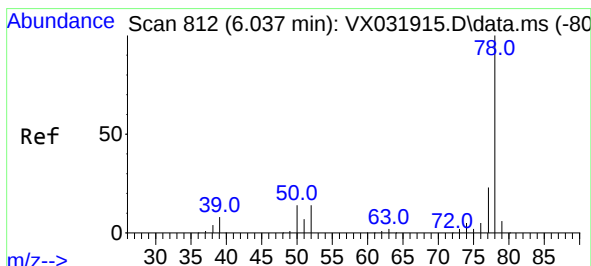
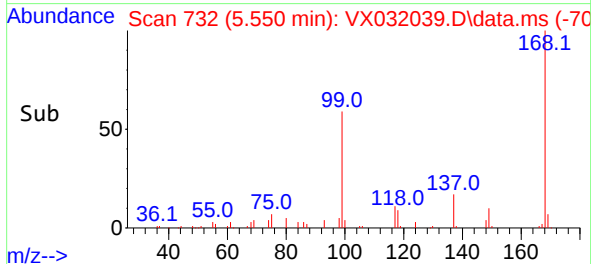
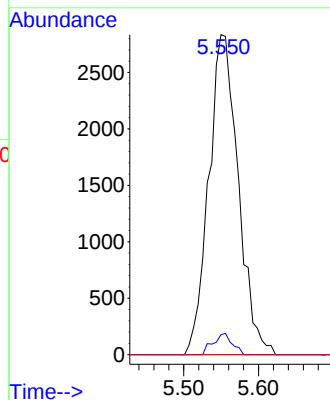
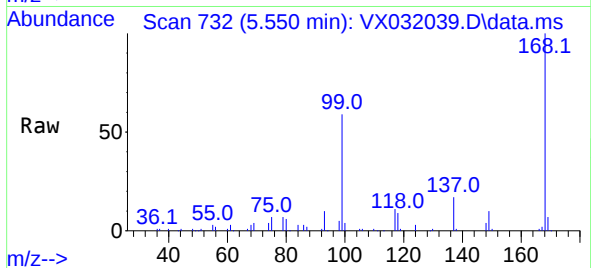




#38
Carbon Tetrachloride
Concen: 4.642 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX032039.D
Acq: 11 Oct 2022 16:09

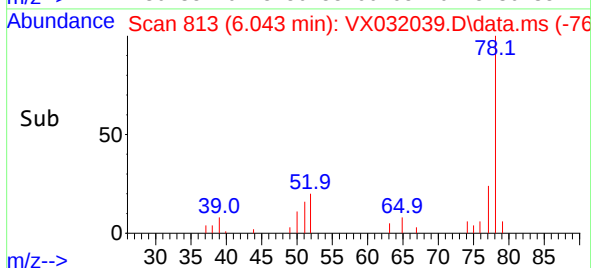
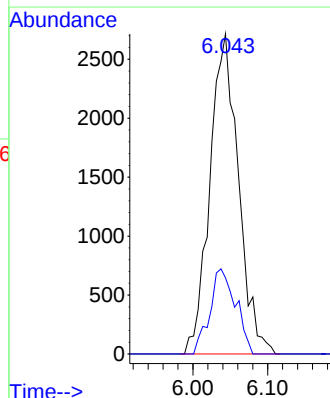
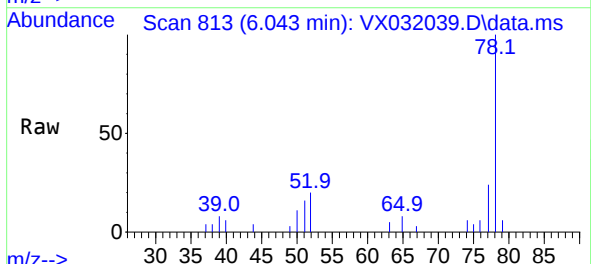
Instrument :
MSVOA_X
ClientSampleId :
MW-114

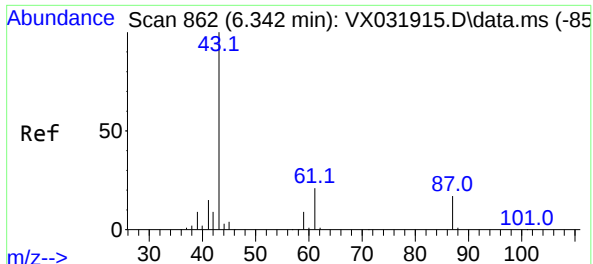
Tgt Ion:117 Resp: 7782
Ion Ratio Lower Upper
117 100
119 6.2 74.6 112.0#
121 0.0 25.3 37.9#



#40
Benzene
Concen: 1.502 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX032039.D
Acq: 11 Oct 2022 16:09

Tgt Ion: 78 Resp: 7212
Ion Ratio Lower Upper
78 100
77 23.8 18.7 28.1

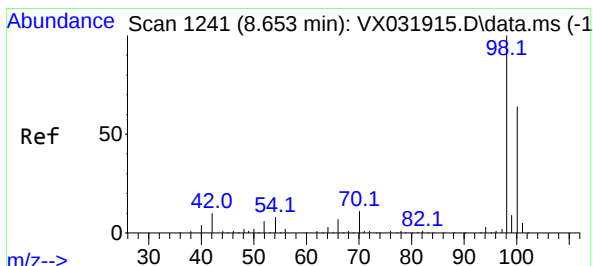
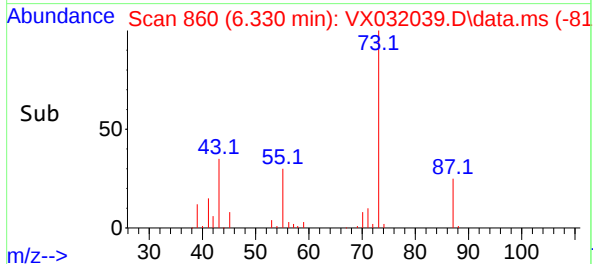
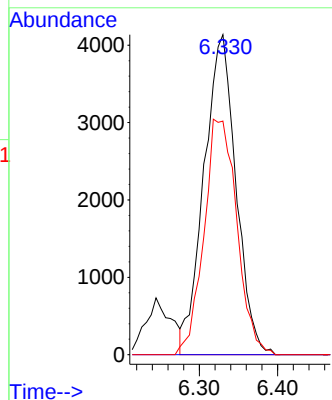
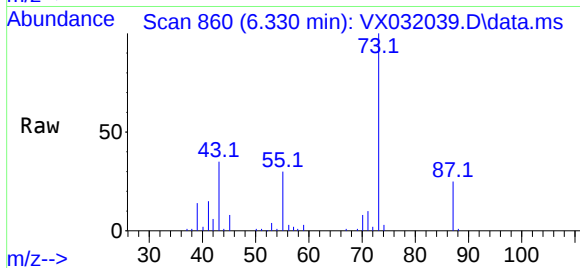




#43
Isopropyl Acetate
Concen: 5.021 ug/l
RT: 6.330 min Scan# 860
Delta R.T. -0.012 min
Lab File: VX032039.D
Acq: 11 Oct 2022 16:09

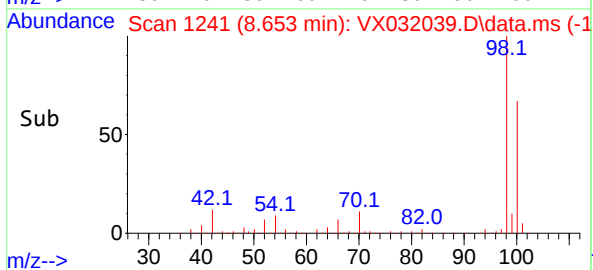
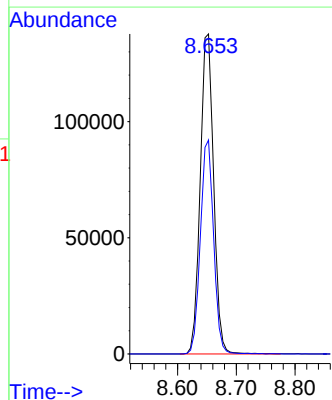
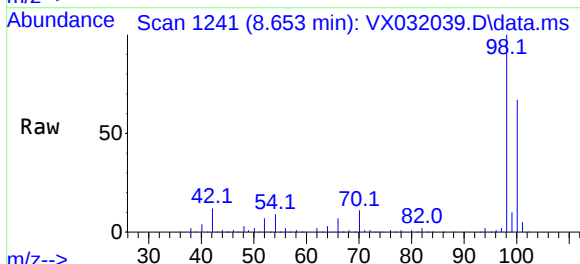
Instrument :
MSVOA_X
ClientSampleId :
MW-114

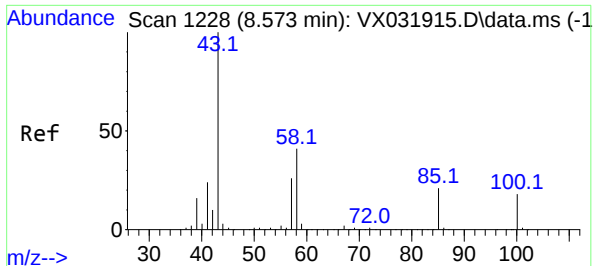
Tgt Ion: 43 Resp: 11760
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 75.4 10.6 15.8#



#50
Toluene-d8
Concen: 49.101 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX032039.D
Acq: 11 Oct 2022 16:09

Tgt Ion: 98 Resp: 218461
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7

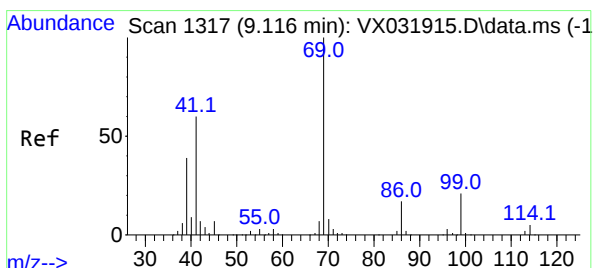
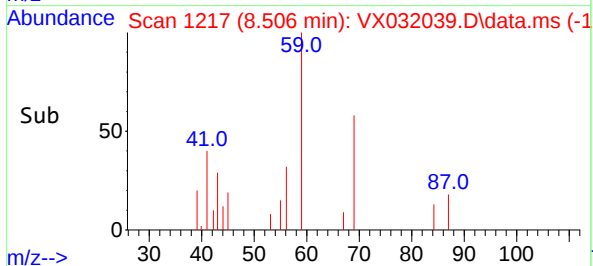
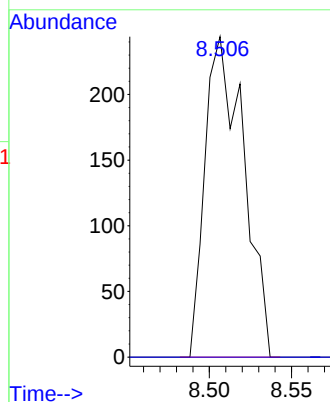
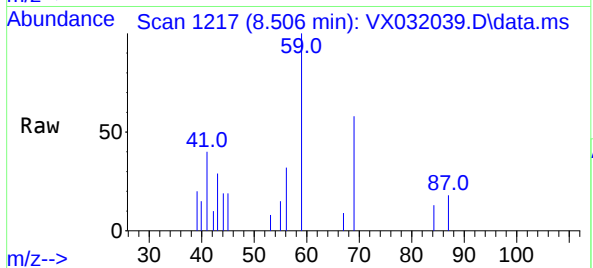




#51
4-Methyl-2-Pentanone
Concen: 0.257 ug/l
RT: 8.506 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX032039.D
Acq: 11 Oct 2022 16:09

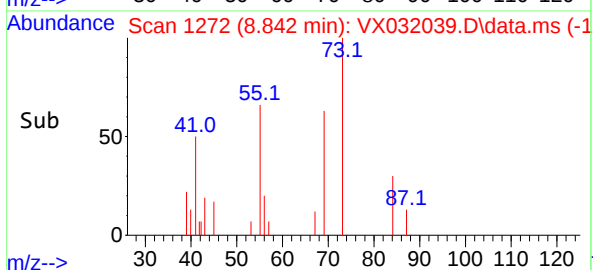
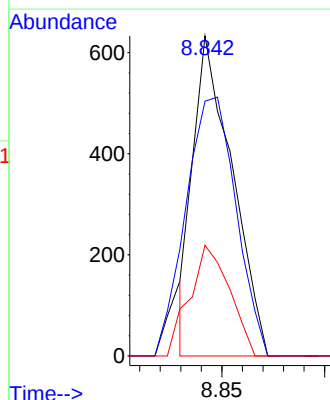
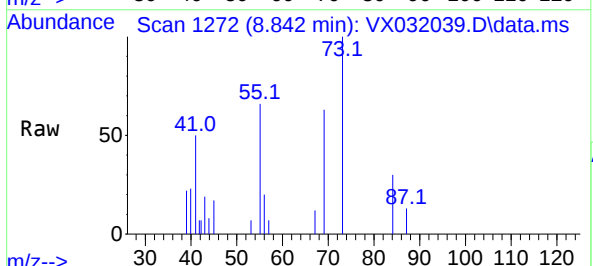
Instrument :
MSVOA_X
ClientSampleId :
MW-114

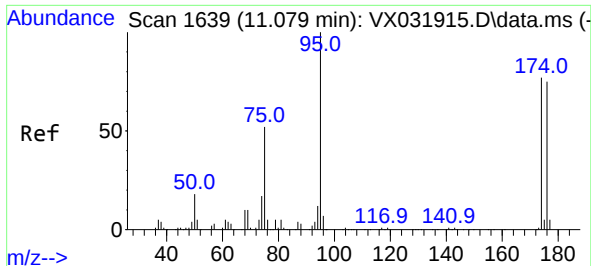
Tgt Ion: 43 Resp: 399
Ion Ratio Lower Upper
43 100
58 0.0 30.6 46.0#



#56
Ethyl methacrylate
Concen: 0.490 ug/l
RT: 8.842 min Scan# 1272
Delta R.T. -0.274 min
Lab File: VX032039.D
Acq: 11 Oct 2022 16:09

Tgt Ion: 69 Resp: 832
Ion Ratio Lower Upper
69 100
41 91.3 54.2 81.4#
39 31.5 34.2 51.2#





#62

4-Bromofluorobenzene

Concen: 45.153 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032039.D

Acq: 11 Oct 2022 16:09

Instrument :

MSVOA_X

ClientSampleId :

MW-114

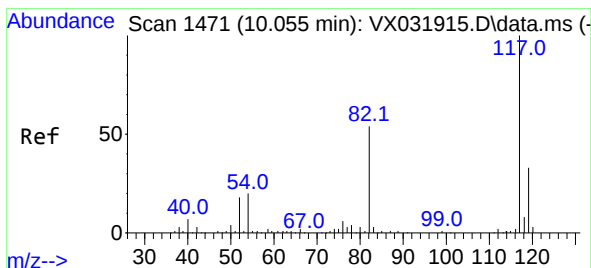
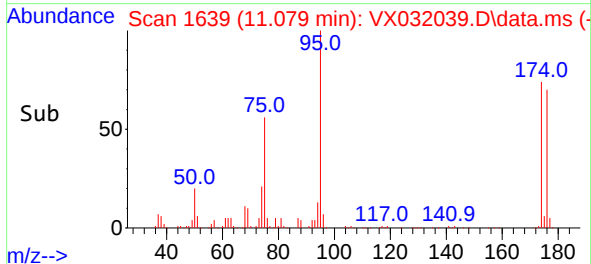
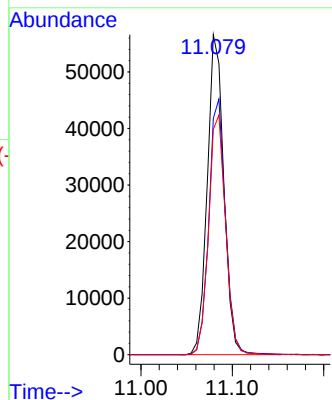
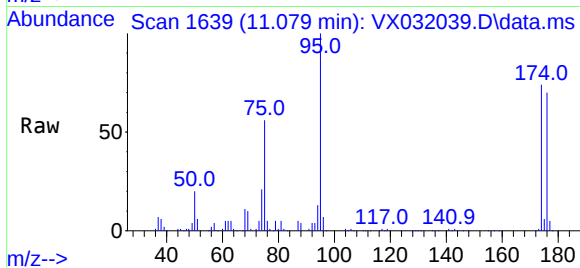
Tgt Ion: 95 Resp: 71022

Ion Ratio Lower Upper

95 100

174 80.3 0.0 153.2

176 76.8 0.0 144.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX032039.D

Acq: 11 Oct 2022 16:09

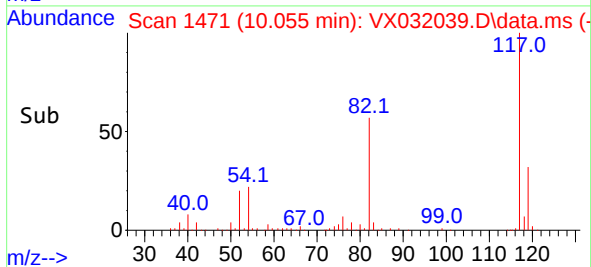
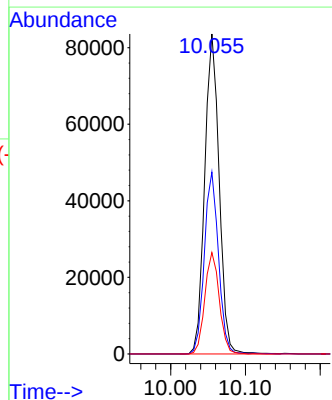
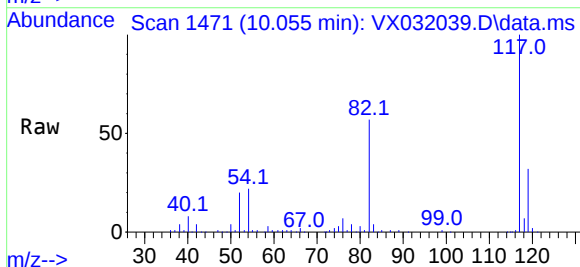
Tgt Ion: 117 Resp: 112174

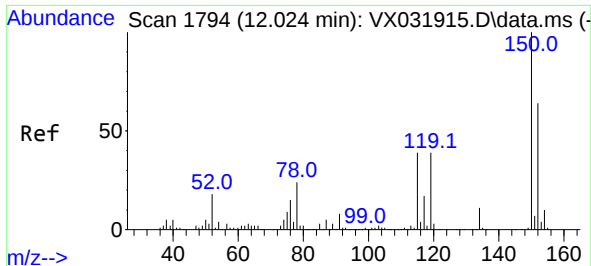
Ion Ratio Lower Upper

117 100

82 56.9 46.8 70.2

119 31.7 26.4 39.6

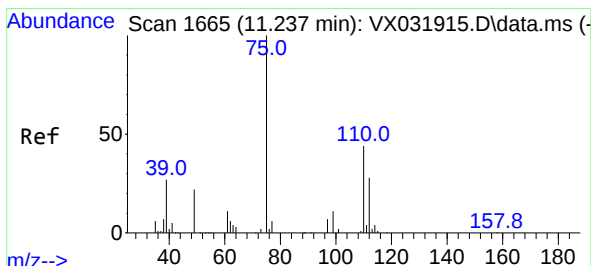
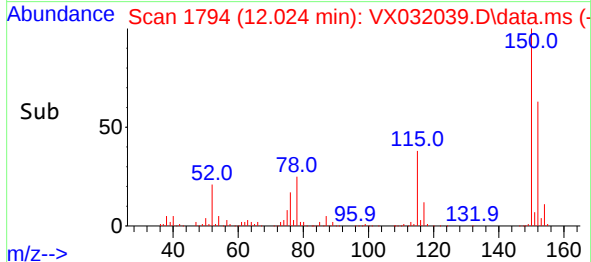
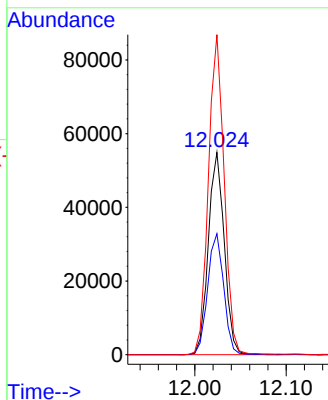
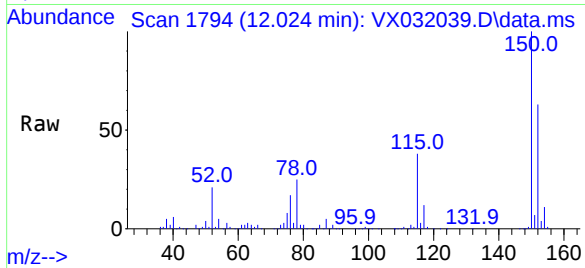




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032039.D
Acq: 11 Oct 2022 16:09

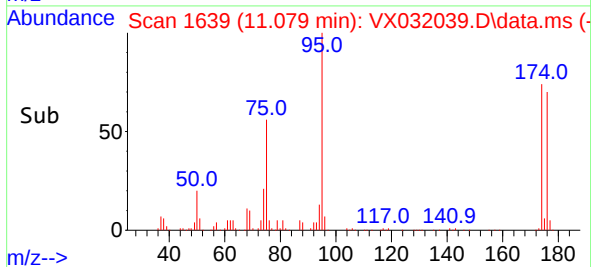
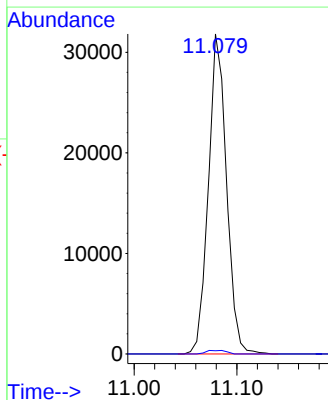
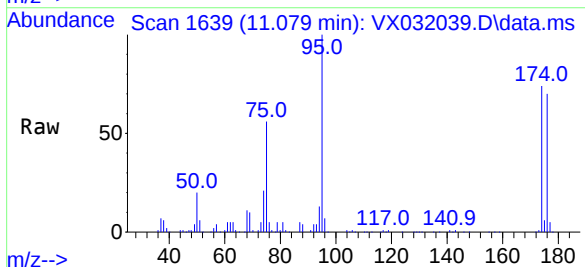
Instrument :
MSVOA_X
ClientSampleId :
MW-114

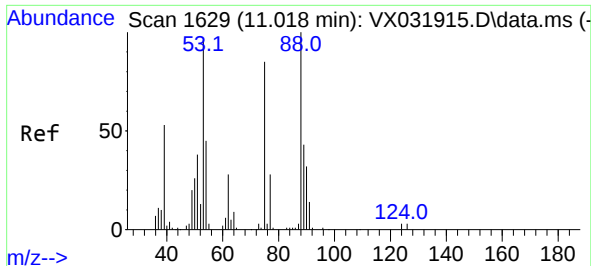
Tgt Ion:152 Resp: 66312
Ion Ratio Lower Upper
152 100
115 60.3 43.4 130.1
150 156.5 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 28.737 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX032039.D
Acq: 11 Oct 2022 16:09

Tgt Ion: 75 Resp: 39055
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.237 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032039.D
 Acq: 11 Oct 2022 16:09

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-114

Tgt Ion: 75 Resp: 39055
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

