

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101022\
 Data File : VX032023.D
 Acq On : 10 Oct 2022 19:23
 Operator : JC/MD
 Sample : N4937-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-109

Quant Time: Oct 11 05:14:34 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)

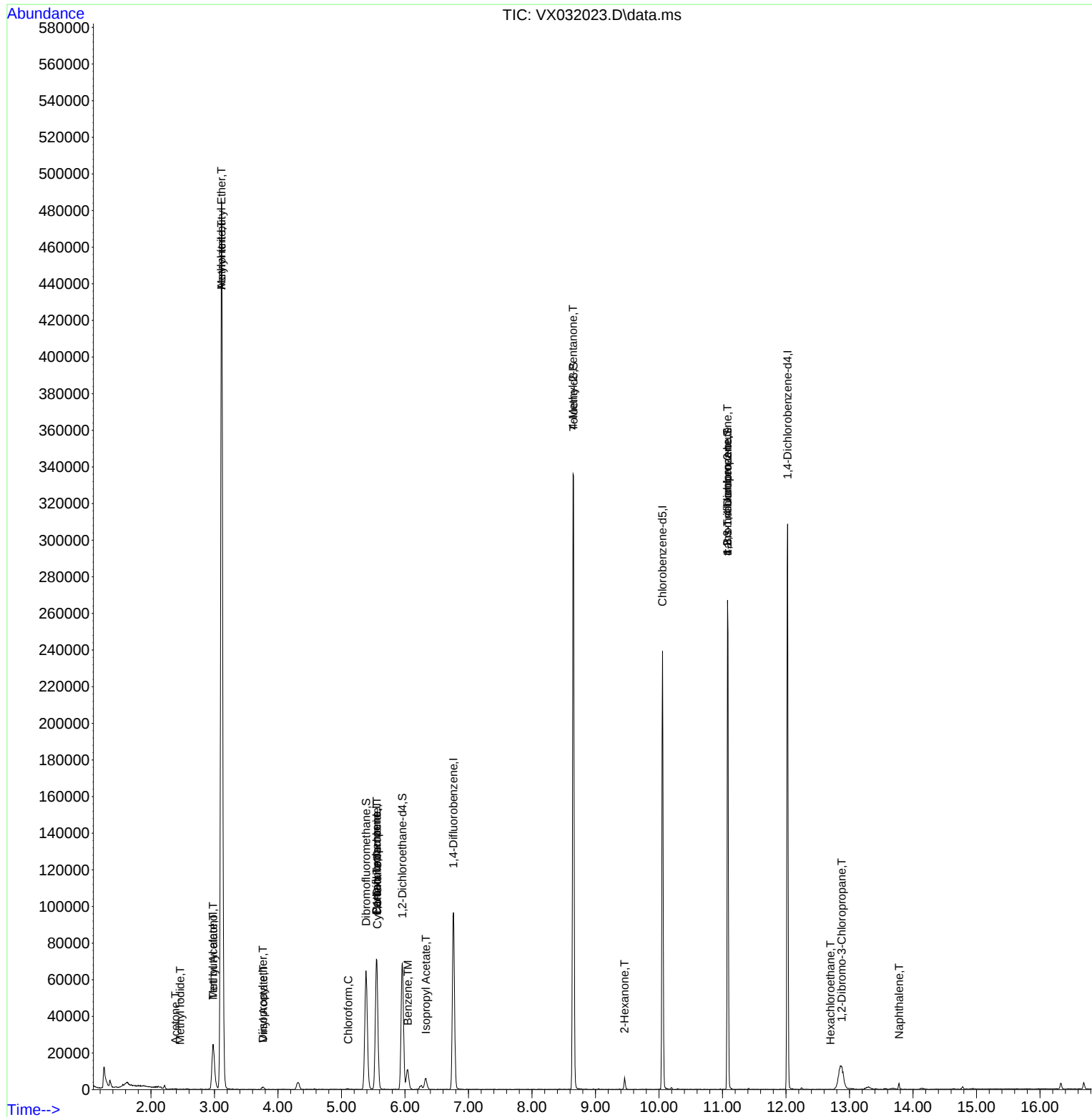
Internal Standards						
1) Pentafluorobenzene	5.550	168	65892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	99810	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	105050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	67018	49.249	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.500%
35) Dibromofluoromethane	5.385	113	54574	48.304	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.600%
50) Toluene-d8	8.653	98	198670	48.869	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.740%
62) 4-Bromofluorobenzene	11.079	95	66855	46.517	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.040%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	288	Below Cal		97
10) Methyl Iodide	2.459	142	52	2.799	ug/l #	38
11) Tert butyl alcohol	2.977	59	32408	191.415	ug/l	99
15) Acrylonitrile	3.111	53	6341	11.749	ug/l #	29
16) Acetone	2.386	43	487	1.053	ug/l #	86
18) Methyl Acetate	2.977	43	3088	2.024	ug/l #	52
19) Methyl tert-butyl Ether	3.111	73	521019	154.696	ug/l	98
22) Diisopropyl ether	3.764	45	1411	0.440	ug/l #	72
23) Vinyl Acetate	3.770	43	674	0.281	ug/l #	71
30) Chloroform	5.105	83	527	0.246	ug/l #	60
31) Cyclohexane	5.562	56	1662	1.022	ug/l #	46
36) 1,1-Dichloropropene	5.556	75	5249	3.504	ug/l #	52
38) Carbon Tetrachloride	5.556	117	7110	4.641	ug/l #	18
40) Benzene	6.044	78	13255	3.021	ug/l	99
43) Isopropyl Acetate	6.330	43	2098	0.980	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	909	0.641	ug/l #	1
59) 2-Hexanone	9.458	43	250	0.239	ug/l	72
76) 1,2,3-Trichloropropane	11.079	75	35766	27.929	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35766	95.576	ug/l #	11
90) Hexachloroethane	12.701	117	21	1.340	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	12.878	75	104	0.379	ug/l #	3
95) Naphthalene	13.780	128	2645	0.579	ug/l #	94

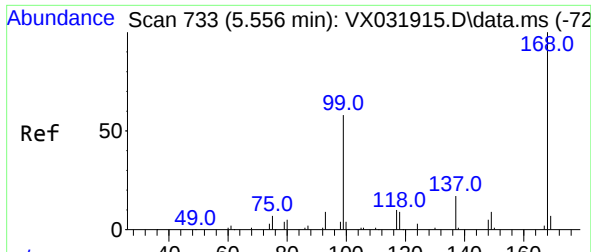
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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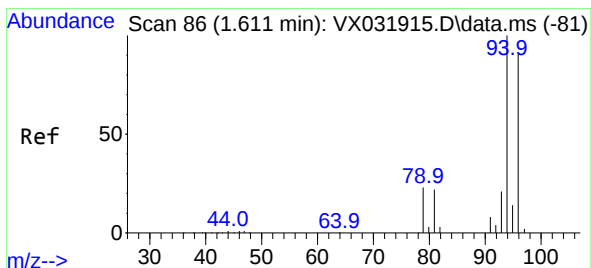
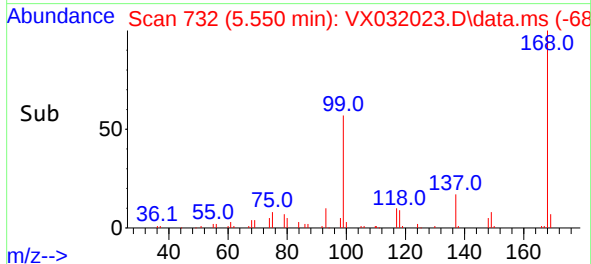
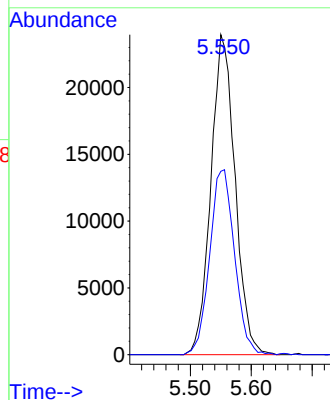
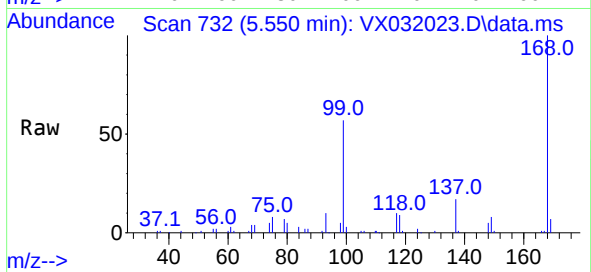




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

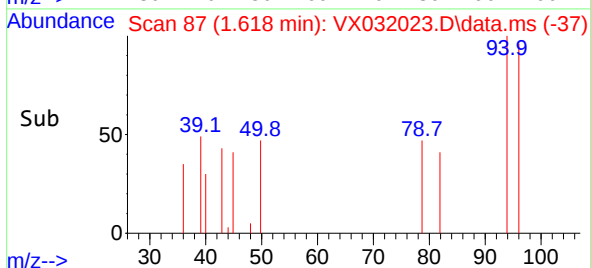
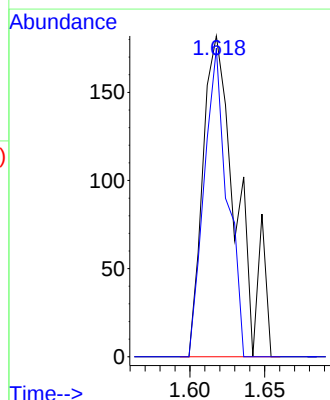
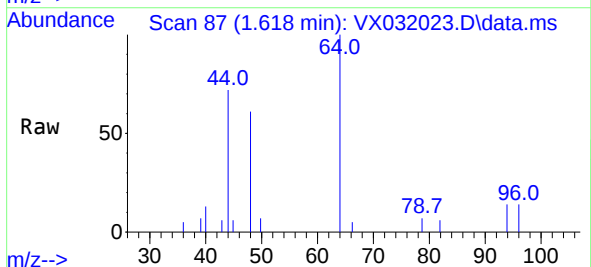
Instrument :
MSVOA_X
ClientSampleId :
MW-109

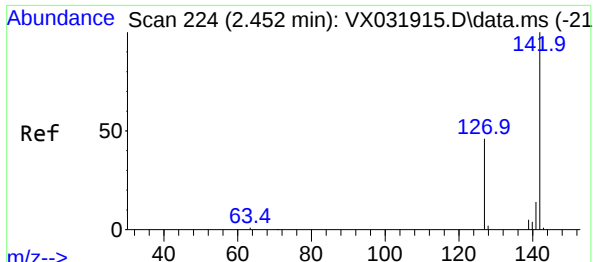
Tgt Ion:168 Resp: 65892
Ion Ratio Lower Upper
168 100
99 57.3 48.8 73.2



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

Tgt Ion: 94 Resp: 288
Ion Ratio Lower Upper
94 100
96 96.2 74.4 111.6

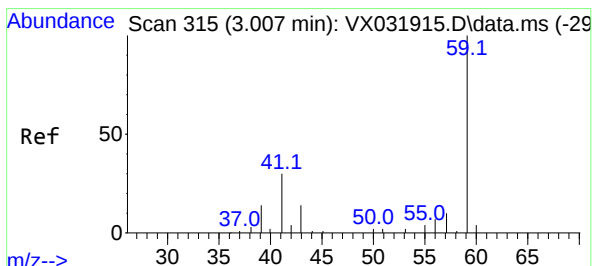
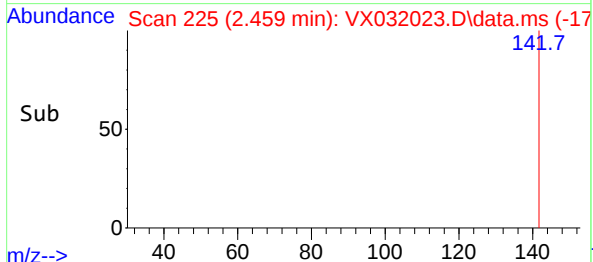
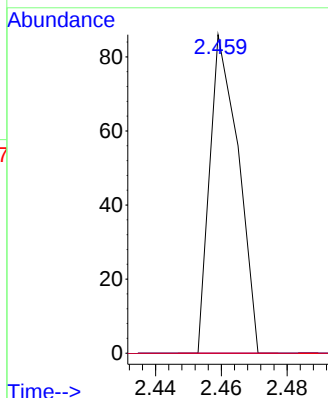
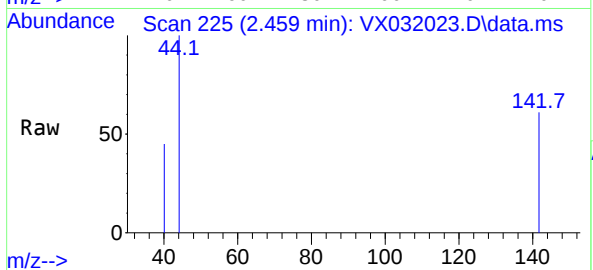




#10
Methyl Iodide
Concen: 2.799 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

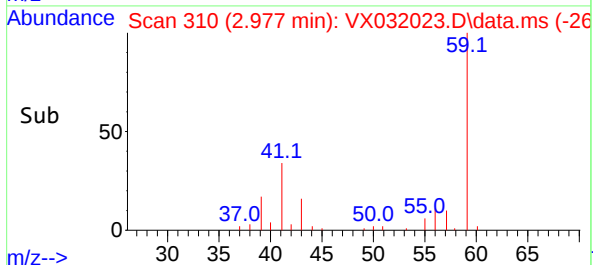
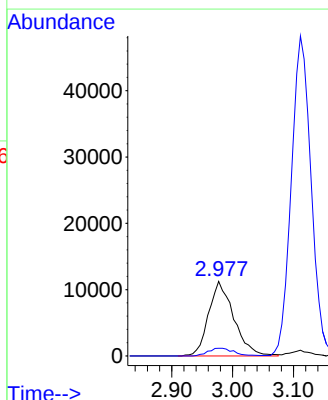
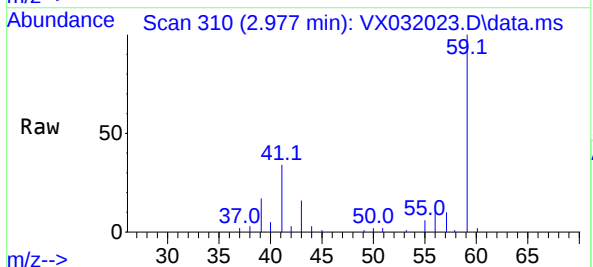
Instrument :
MSVOA_X
ClientSampleId :
MW-109

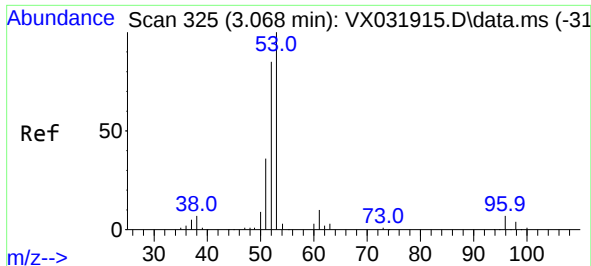
Tgt Ion:142 Resp: 52
Ion Ratio Lower Upper
142 100
127 0.0 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 191.415 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.030 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

Tgt Ion: 59 Resp: 32408
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2





#15

Acrylonitrile

Concen: 11.749 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.043 min

Lab File: VX032023.D

Acq: 10 Oct 2022 19:23

Instrument :

MSVOA_X

ClientSampleId :

MW-109

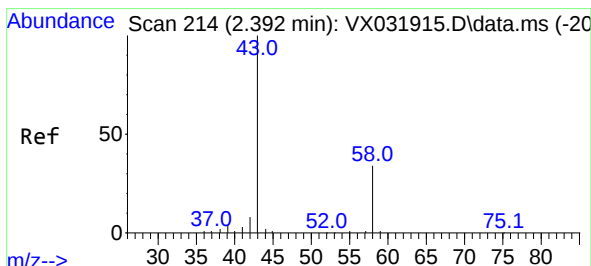
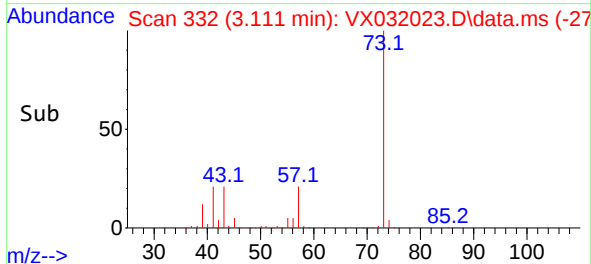
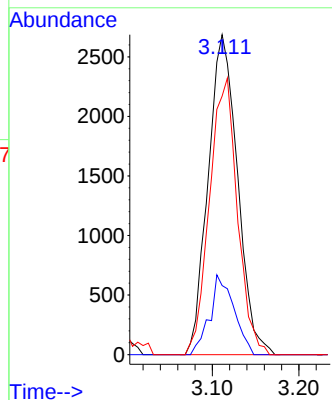
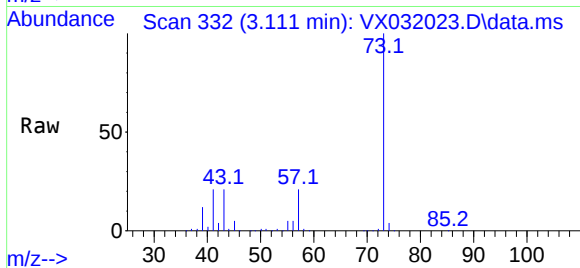
Tgt Ion: 53 Resp: 6341

Ion Ratio Lower Upper

53 100

52 20.5 66.9 100.3#

51 81.7 30.0 45.0#



#16

Acetone

Concen: 1.053 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX032023.D

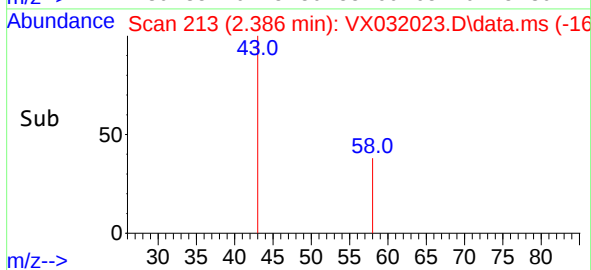
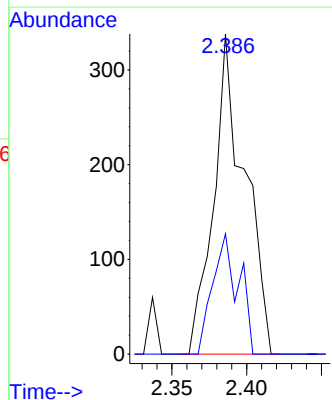
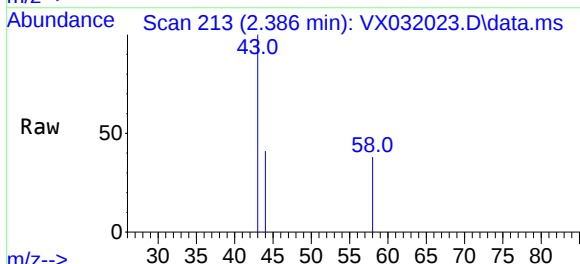
Acq: 10 Oct 2022 19:23

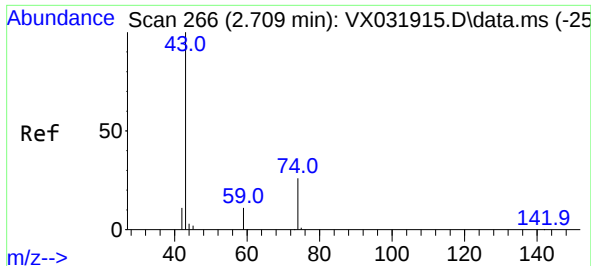
Tgt Ion: 43 Resp: 487

Ion Ratio Lower Upper

43 100

58 37.6 23.8 35.8#

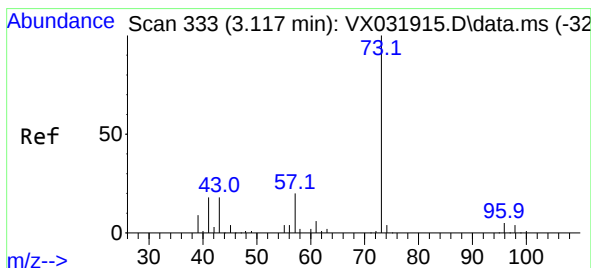
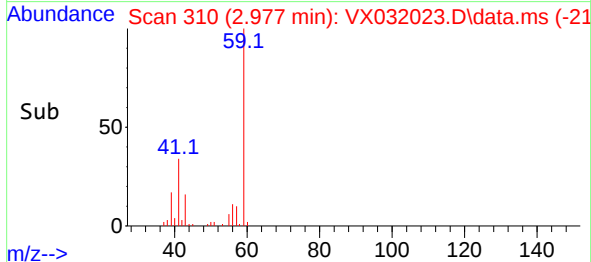
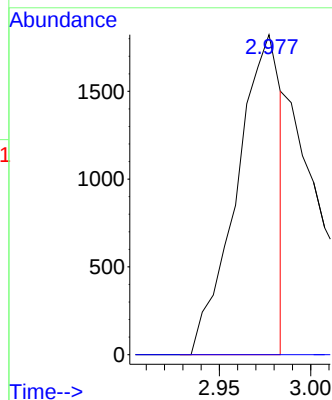
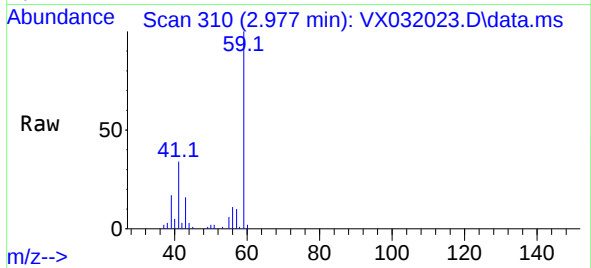




#18
Methyl Acetate
Concen: 2.024 ug/l
RT: 2.977 min Scan# 31
Delta R.T. 0.268 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

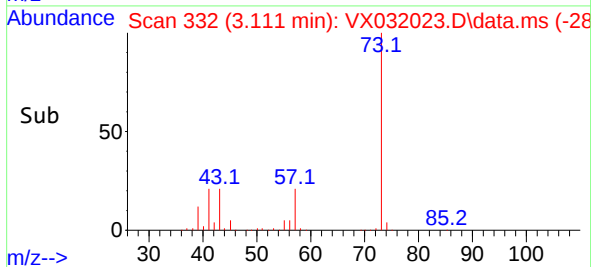
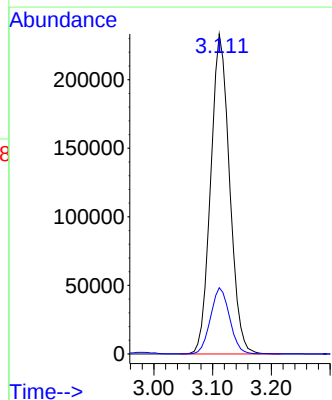
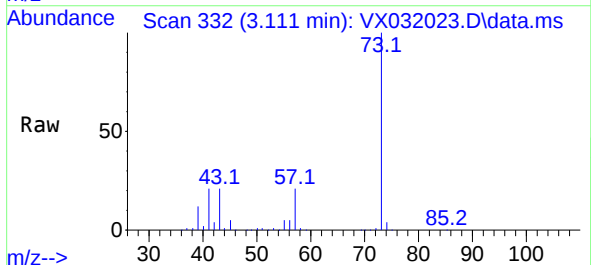
Instrument :
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ClientSampleId :
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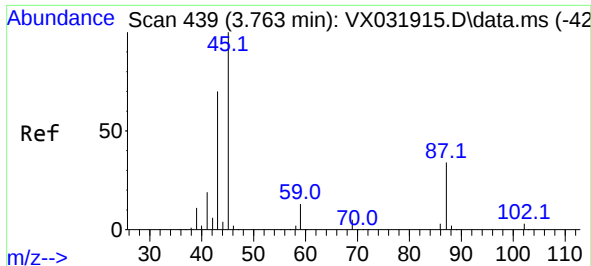
Tgt Ion: 43 Resp: 3088
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



#19
Methyl tert-butyl Ether
Concen: 154.696 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

Tgt Ion: 73 Resp: 521019
Ion Ratio Lower Upper
73 100
57 20.7 17.2 25.8

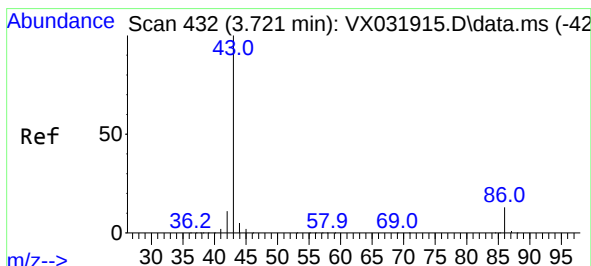
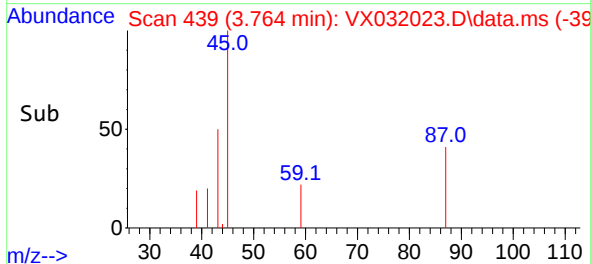
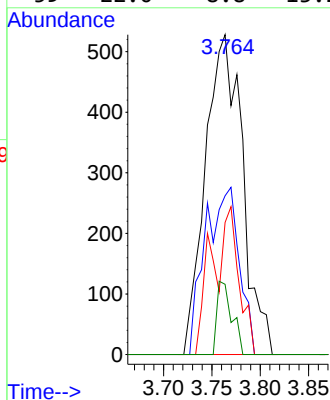
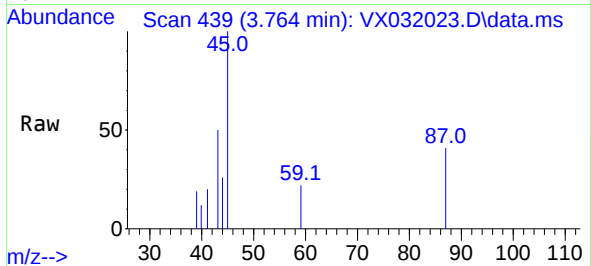




#22
Diisopropyl ether
Concen: 0.440 ug/l
RT: 3.764 min Scan# 41
Delta R.T. 0.001 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

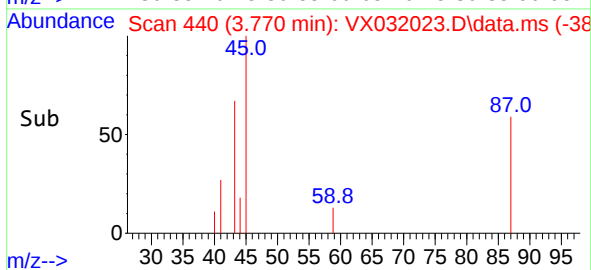
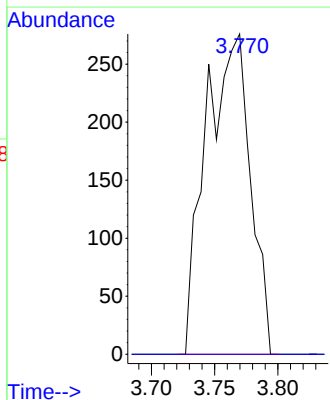
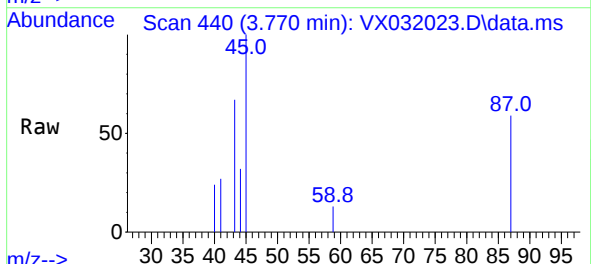
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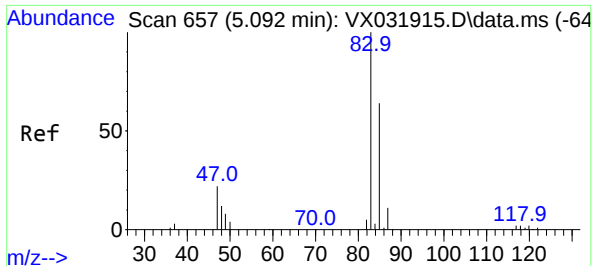
Tgt Ion:	45	Resp:	1411
Ion	Ratio	Lower	Upper
45	100		
43	49.6	59.0	88.6#
87	41.3	22.6	33.8#
59	22.0	8.8	13.2#



#23
Vinyl Acetate
Concen: 0.281 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.049 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

Tgt Ion:	43	Resp:	674
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.7	13.1#





#30

Chloroform

Concen: 0.246 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.013 min

Lab File: VX032023.D

Acq: 10 Oct 2022 19:23

Instrument :

MSVOA_X

ClientSampleId :

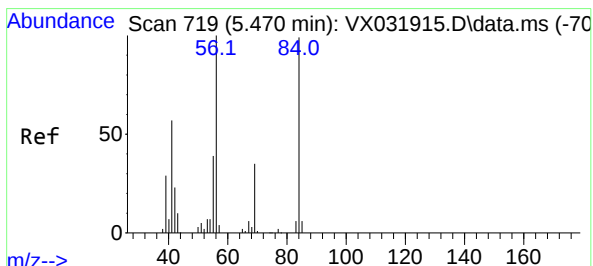
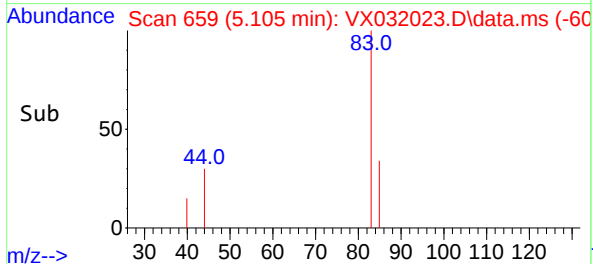
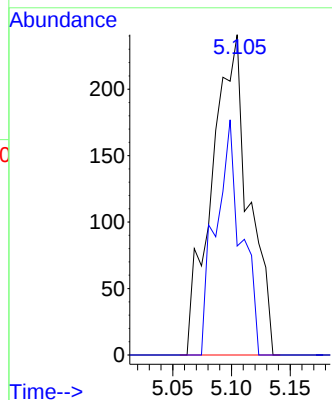
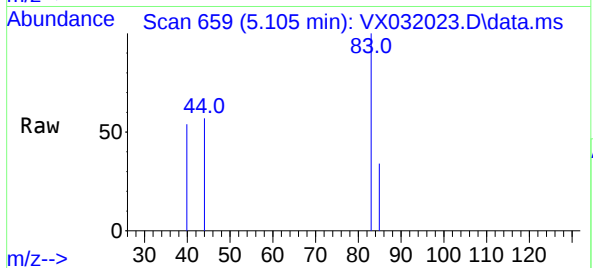
MW-109

Tgt Ion: 83 Resp: 527

Ion Ratio Lower Upper

83 100

85 34.0 52.8 79.2#



#31

Cyclohexane

Concen: 1.022 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.092 min

Lab File: VX032023.D

Acq: 10 Oct 2022 19:23

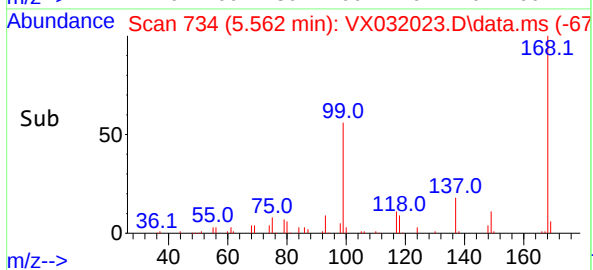
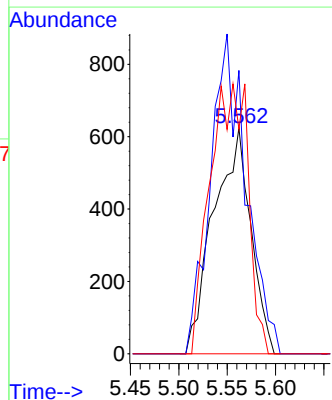
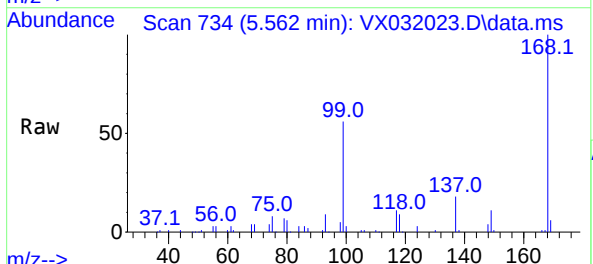
Tgt Ion: 56 Resp: 1662

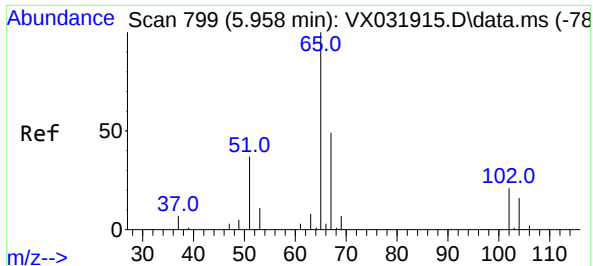
Ion Ratio Lower Upper

56 100

69 125.3 25.1 37.7#

84 99.4 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 49.249 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032023.D

Acq: 10 Oct 2022 19:23

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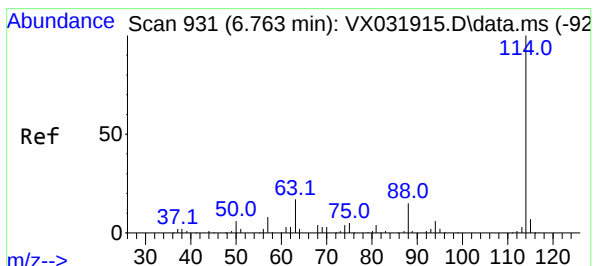
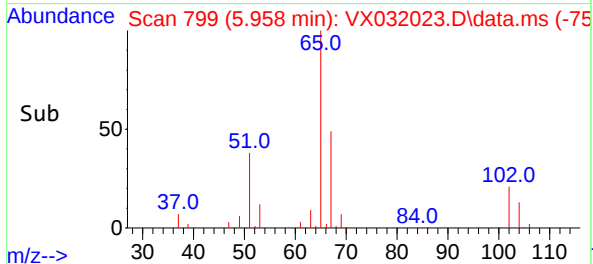
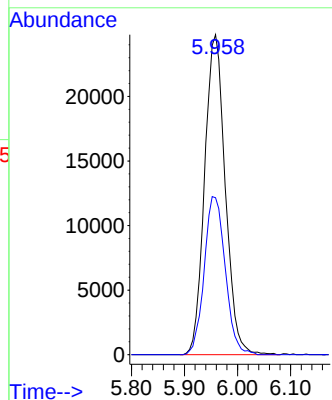
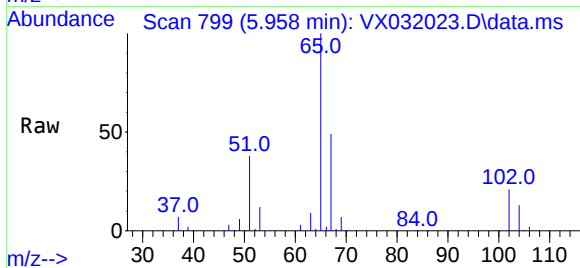
MW-109

Tgt Ion: 65 Resp: 67018

Ion Ratio Lower Upper

65 100

67 50.4 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: VX032023.D

Acq: 10 Oct 2022 19:23

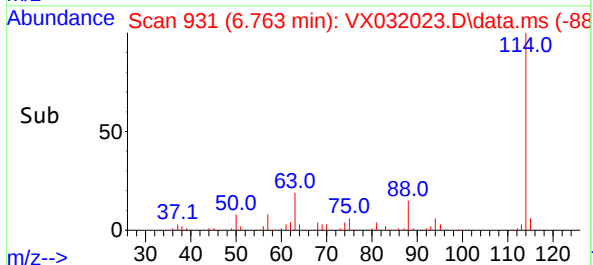
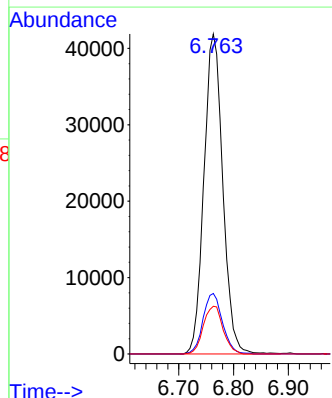
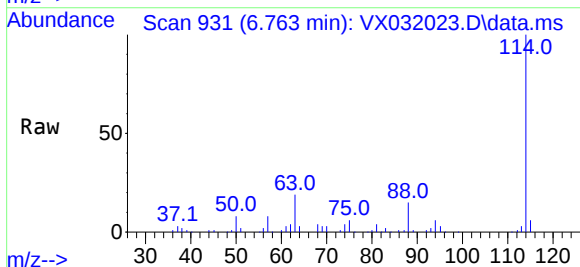
Tgt Ion: 114 Resp: 99810

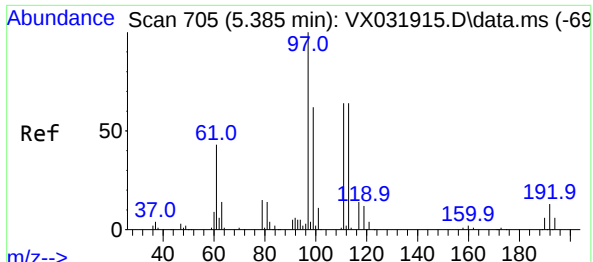
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.6

88 14.9 0.0 33.0

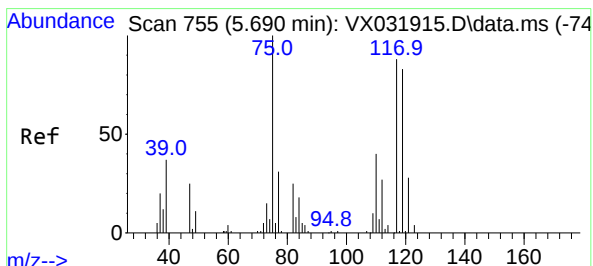
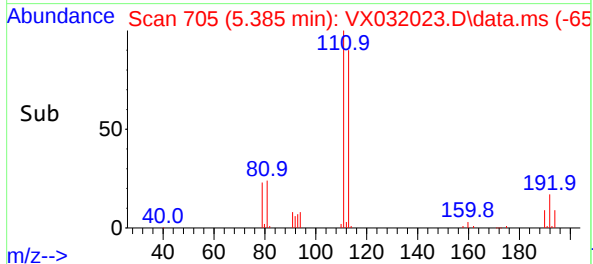
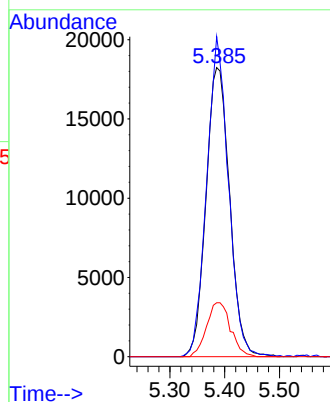
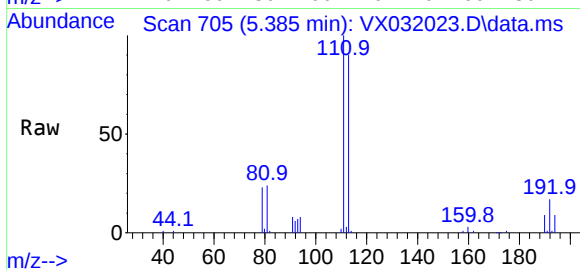




#35
Dibromofluoromethane
Concen: 48.304 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

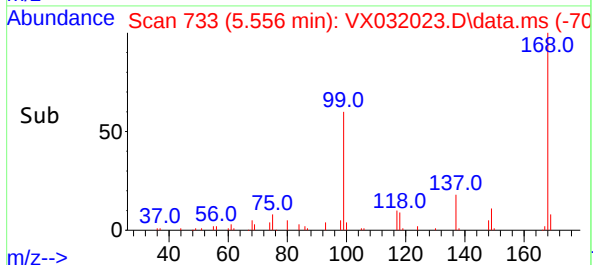
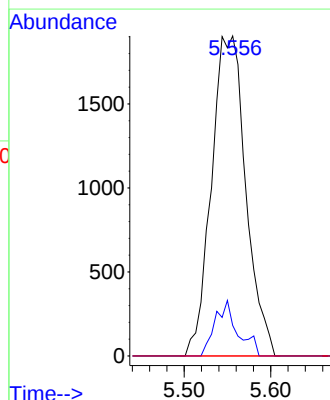
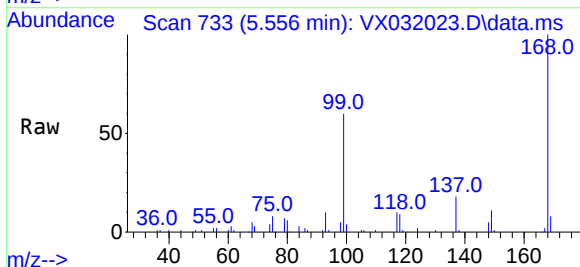
Instrument :
MSVOA_X
ClientSampleId :
MW-109

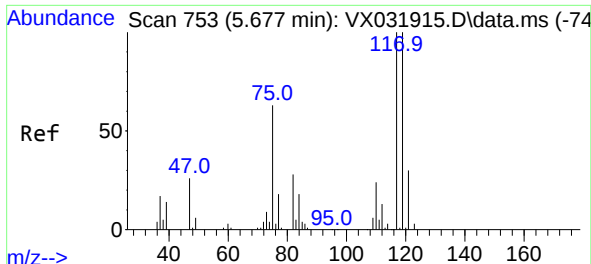
Tgt Ion:113 Resp: 54574
Ion Ratio Lower Upper
113 100
111 102.2 82.4 123.6
192 19.0 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.504 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

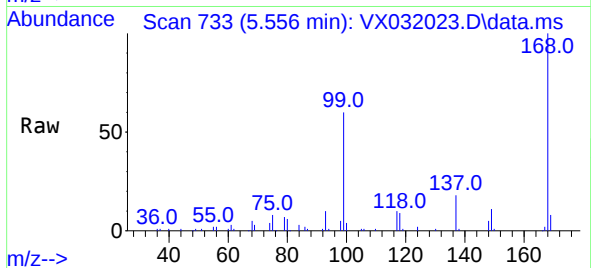
Tgt Ion: 75 Resp: 5249
Ion Ratio Lower Upper
75 100
110 11.4 17.5 52.5#
77 0.0 24.9 37.3#



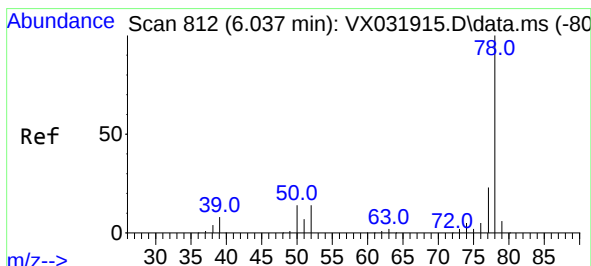
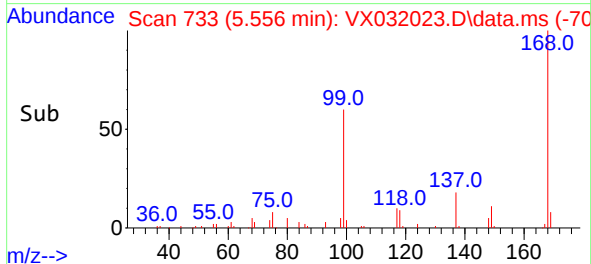
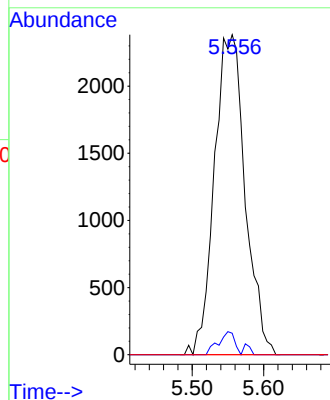


#38
Carbon Tetrachloride
Concen: 4.641 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.121 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

Instrument :
MSVOA_X
ClientSampleId :
MW-109

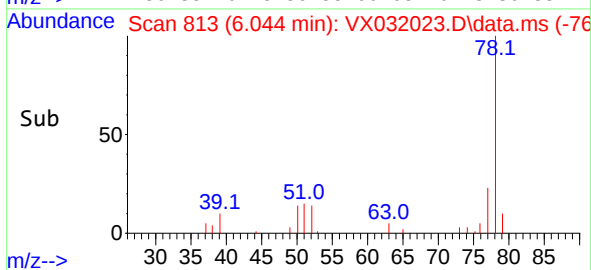
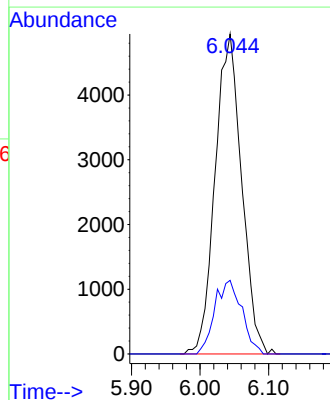
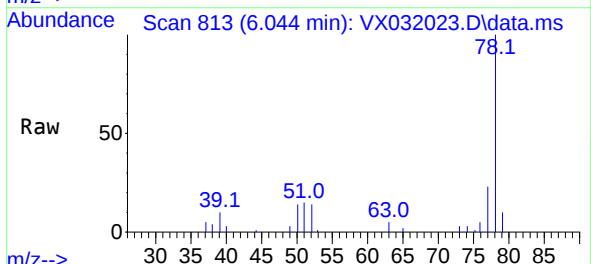


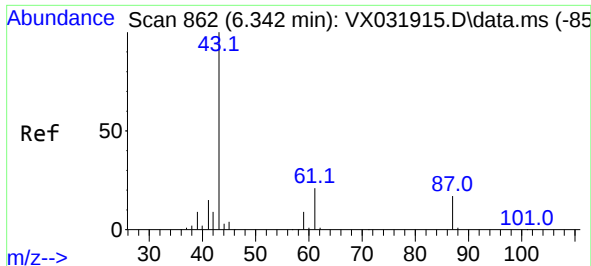
Tgt Ion:117 Resp: 7110
Ion Ratio Lower Upper
117 100
119 6.7 74.6 112.0#
121 0.0 25.3 37.9#



#40
Benzene
Concen: 3.021 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.007 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

Tgt Ion: 78 Resp: 13255
Ion Ratio Lower Upper
78 100
77 23.0 18.7 28.1

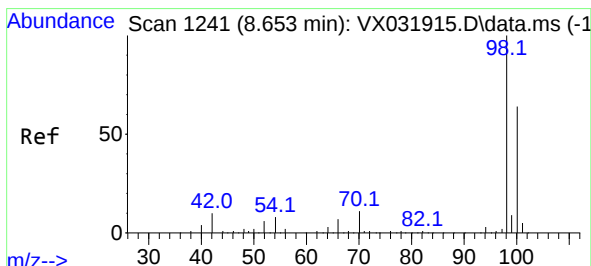
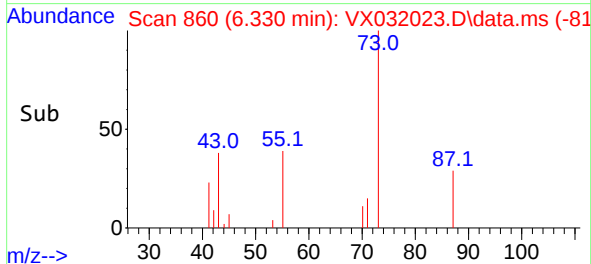
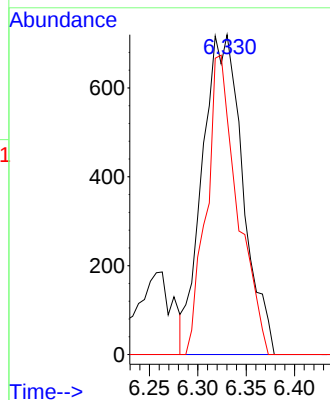
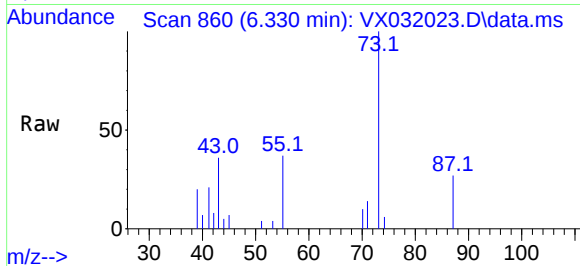




#43
Isopropyl Acetate
Concen: 0.980 ug/l
RT: 6.330 min Scan# 860
Delta R.T. -0.012 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

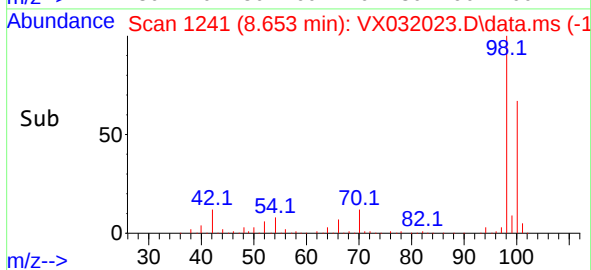
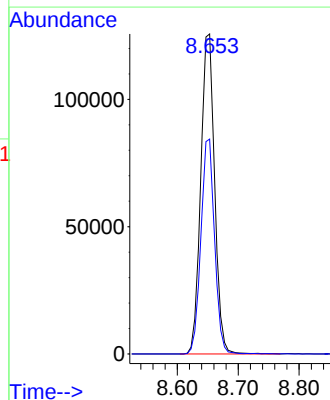
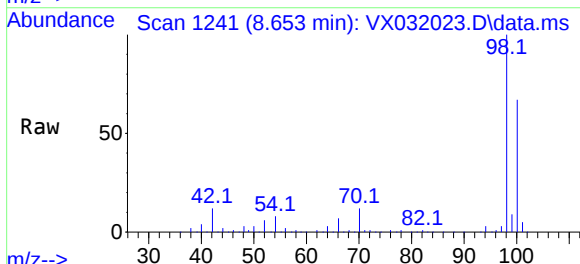
Instrument :
MSVOA_X
ClientSampleId :
MW-109

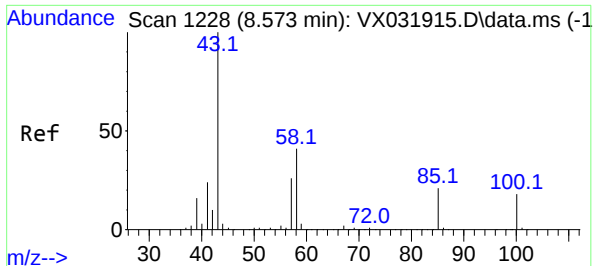
Tgt Ion: 43 Resp: 2098
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 72.0 10.6 15.8#



#50
Toluene-d8
Concen: 48.869 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

Tgt Ion: 98 Resp: 198670
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7

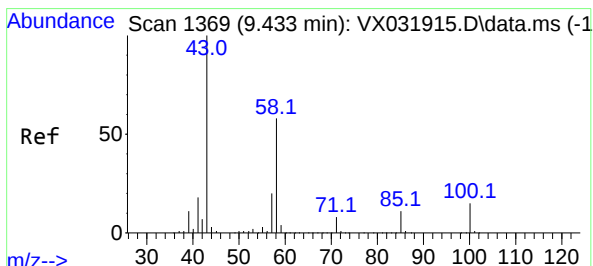
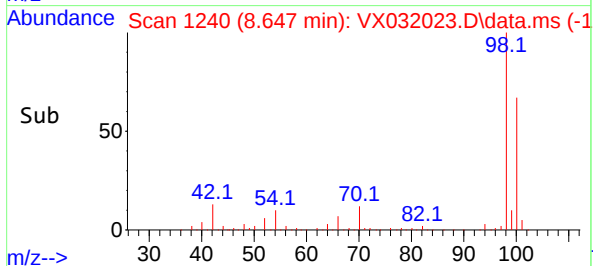
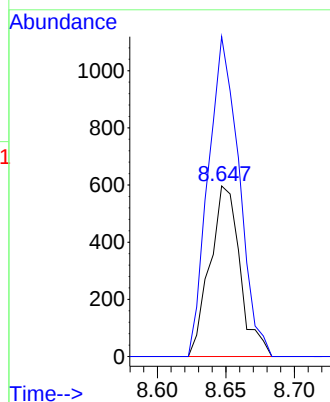
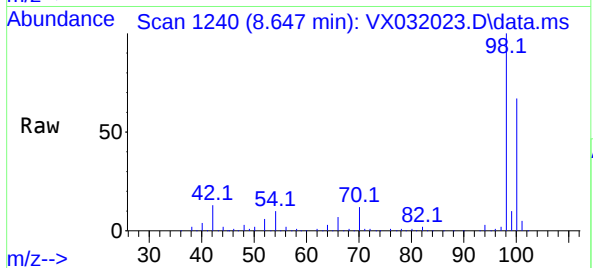




#51
4-Methyl-2-Pentanone
Concen: 0.641 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.074 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

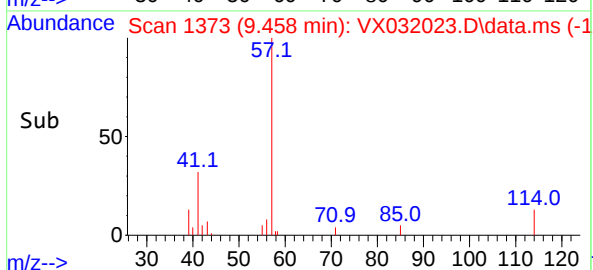
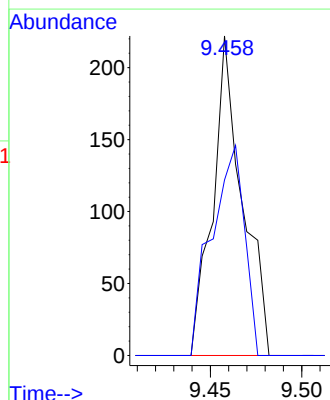
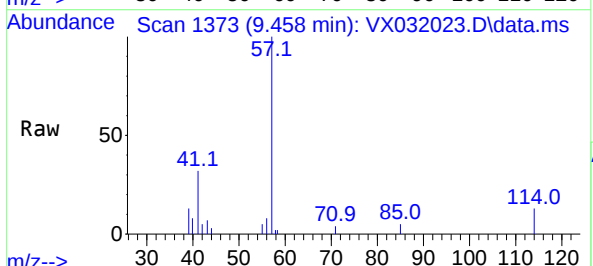
Instrument :
MSVOA_X
ClientSampleId :
MW-109

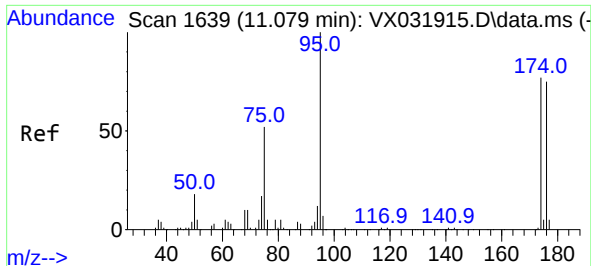
Tgt Ion: 43 Resp: 909
Ion Ratio Lower Upper
43 100
58 192.7 30.6 46.0#



#59
2-Hexanone
Concen: 0.239 ug/l
RT: 9.458 min Scan# 1373
Delta R.T. 0.025 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

Tgt Ion: 43 Resp: 250
Ion Ratio Lower Upper
43 100
58 73.2 26.7 80.0

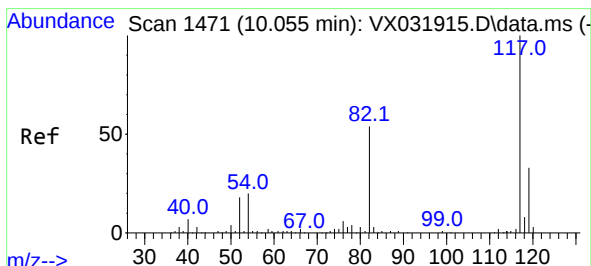
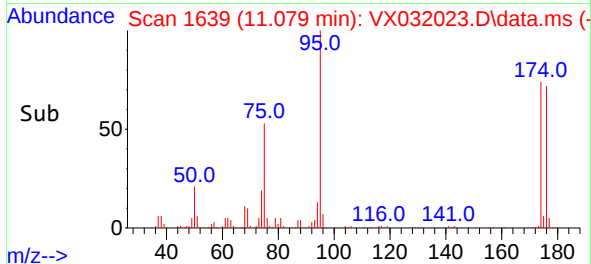
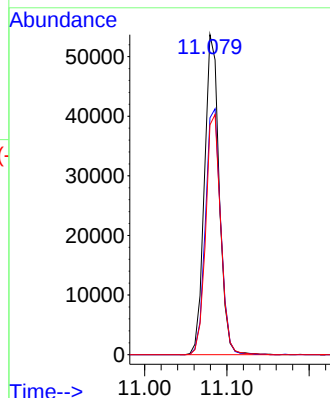
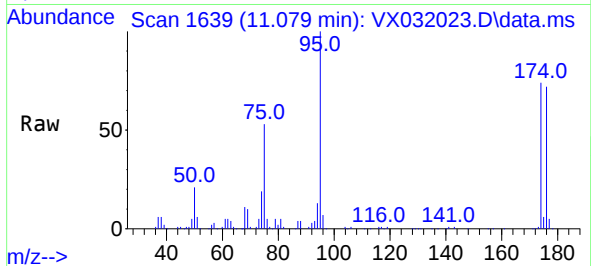




#62
4-Bromofluorobenzene
Concen: 46.517 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

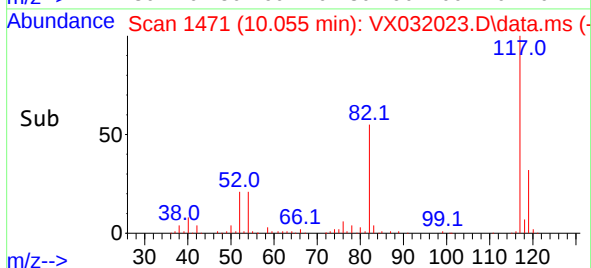
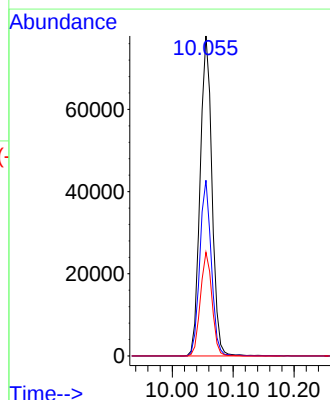
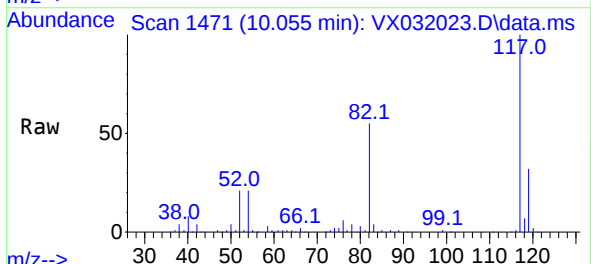
Instrument :
MSVOA_X
ClientSampleId :
MW-109

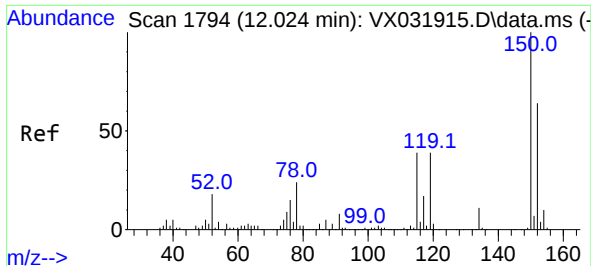
Tgt Ion: 95 Resp: 66855
Ion Ratio Lower Upper
95 100
174 79.4 0.0 153.2
176 76.3 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

Tgt Ion: 117 Resp: 105050
Ion Ratio Lower Upper
117 100
82 54.9 46.8 70.2
119 32.4 26.4 39.6

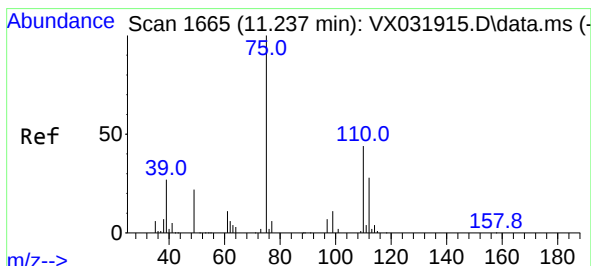
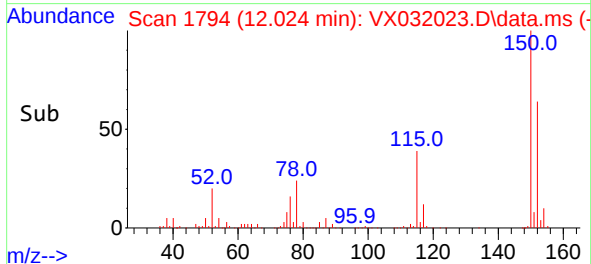
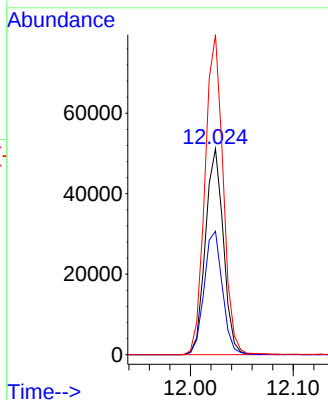
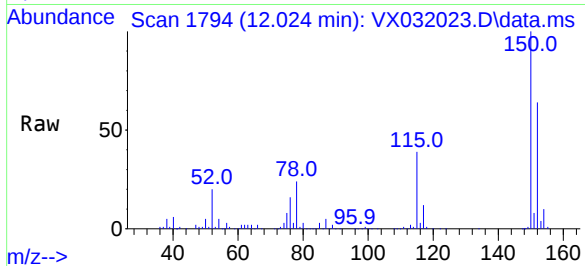




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX032023.D
 Acq: 10 Oct 2022 19:23

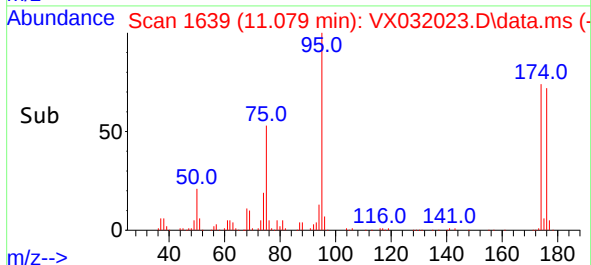
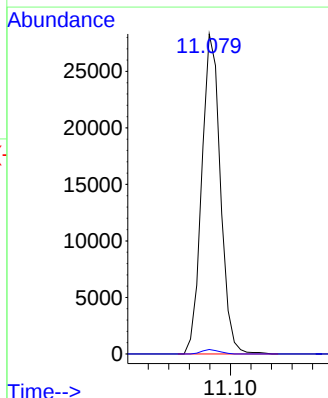
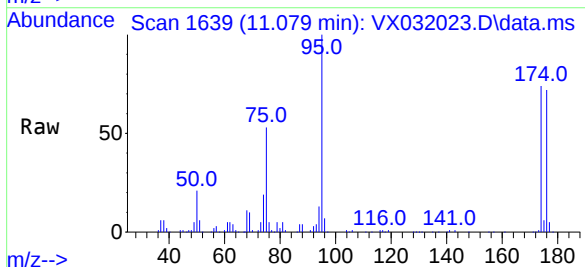
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-109

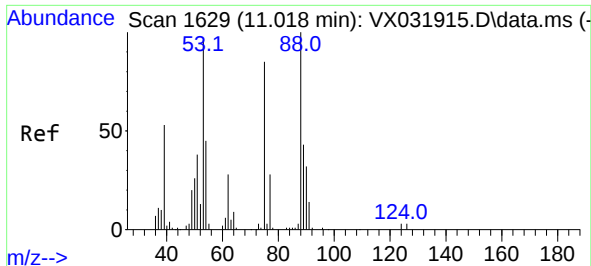
Tgt Ion:152 Resp: 62484
 Ion Ratio Lower Upper
 152 100
 115 61.0 43.4 130.1
 150 156.7 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 27.929 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX032023.D
 Acq: 10 Oct 2022 19:23

Tgt Ion: 75 Resp: 35766
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.3 60.9#

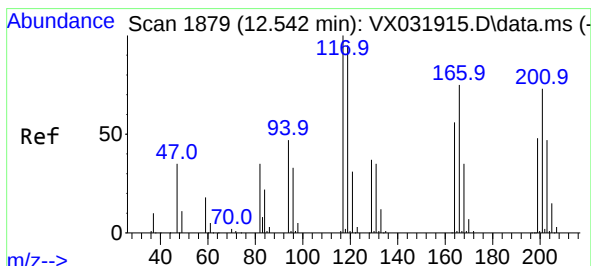
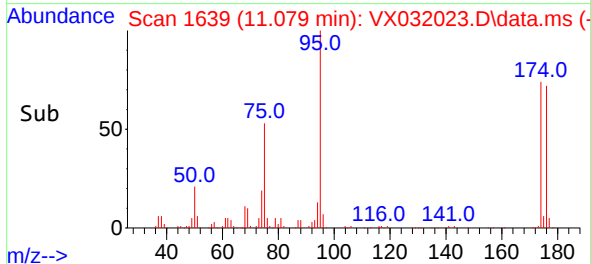
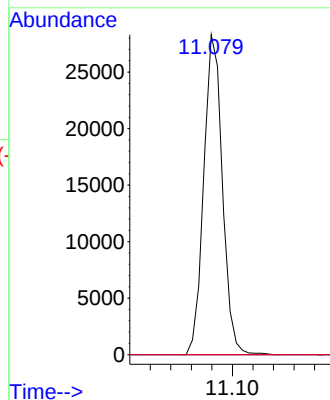
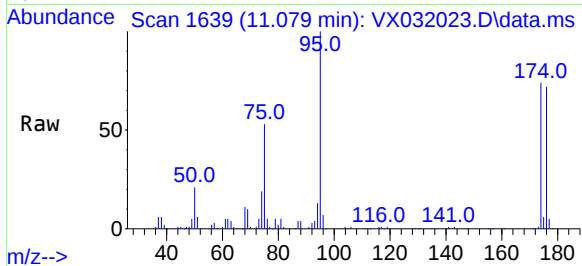




#81
trans-1,4-Dichloro-2-butene
Concen: 95.576 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

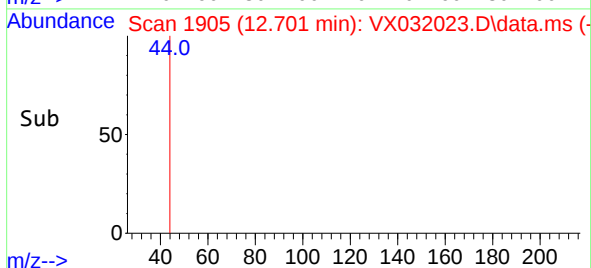
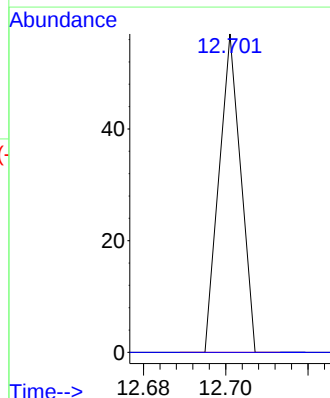
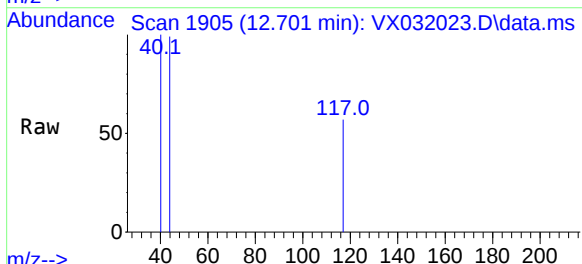
Instrument :
MSVOA_X
ClientSampleId :
MW-109

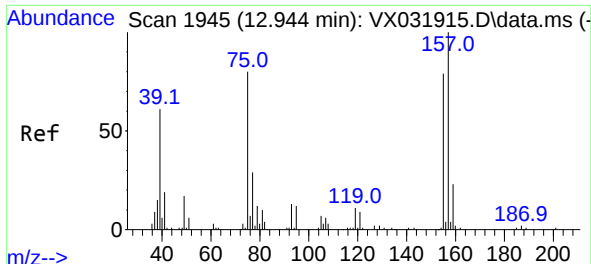
Tgt Ion: 75 Resp: 35766
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#90
Hexachloroethane
Concen: 1.340 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

Tgt Ion: 117 Resp: 21
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#



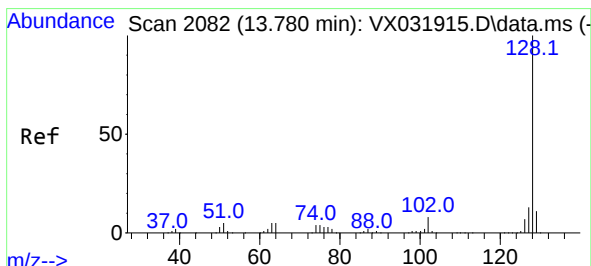
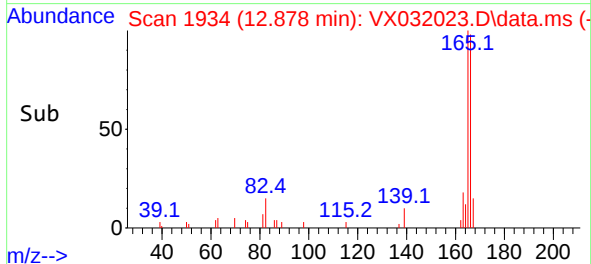
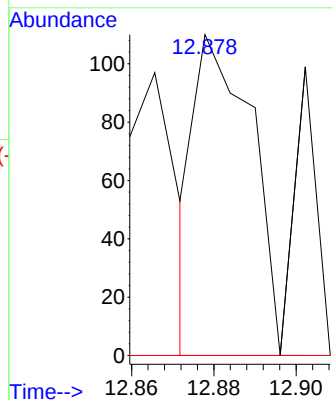
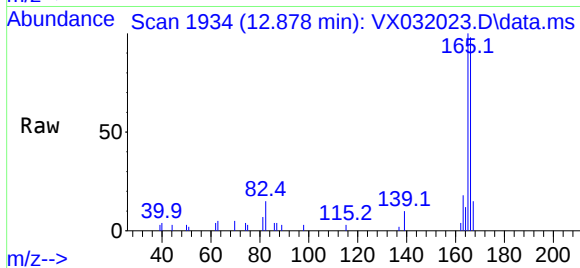


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.379 ug/l
RT: 12.878 min Scan# 1945
Delta R.T. -0.066 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

Instrument :
MSVOA_X
ClientSampleId :
MW-109

Tgt Ion: 75 Resp: 104

Ion	Ratio	Lower	Upper
75	100		
155	0.0	40.3	120.8#
157	0.0	51.5	154.5#



#95
Naphthalene
Concen: 0.579 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX032023.D
Acq: 10 Oct 2022 19:23

Tgt Ion: 128 Resp: 2645

Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.4	15.6
129	8.6	8.8	13.2#

