

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100722\
 Data File : VX031969.D
 Acq On : 07 Oct 2022 17:54
 Operator : JC/MD
 Sample : N4883-04DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-136DL

Quant Time: Oct 08 05:15:02 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)

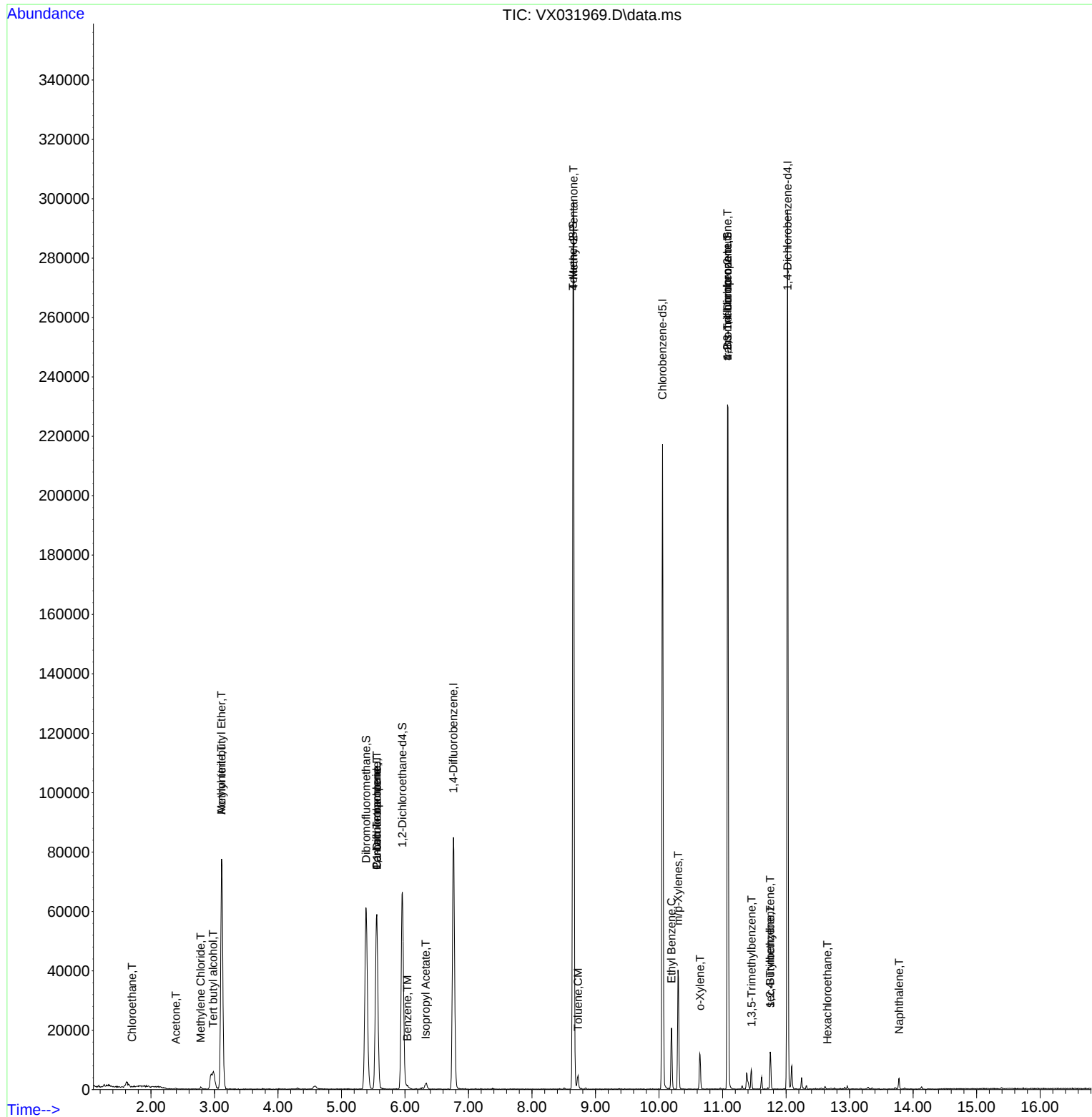
Internal Standards						
1) Pentafluorobenzene	5.556	168	55978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	89043	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	95280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	62750	54.279	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.560%			
35) Dibromofluoromethane	5.385	113	51055	50.654	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.300%			
50) Toluene-d8	8.647	98	180668	49.814	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.620%			
62) 4-Bromofluorobenzene	11.079	95	61758	48.166	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.340%			
Target Compounds					Qvalue	
5) Bromomethane	1.624	94	256	Below Cal		81
6) Chloroethane	1.703	64	239	0.275 ug/l #		43
11) Tert butyl alcohol	2.977	59	10624	73.863 ug/l		95
15) Acrylonitrile	3.111	53	1049	2.288 ug/l #		27
16) Acetone	2.392	43	162	0.412 ug/l #		45
19) Methyl tert-butyl Ether	3.111	73	84210	29.431 ug/l		98
20) Methylene Chloride	2.782	84	397	0.385 ug/l #		78
36) 1,1-Dichloropropene	5.556	75	4668	3.493 ug/l #		49
38) Carbon Tetrachloride	5.556	117	5807	4.249 ug/l #		17
40) Benzene	6.038	78	1344	0.343 ug/l		99
43) Isopropyl Acetate	6.324	43	573	0.300 ug/l #		5
51) 4-Methyl-2-Pentanone	8.653	43	837	0.662 ug/l #		1
52) Toluene	8.726	92	1758	0.687 ug/l		99
67) Ethyl Benzene	10.195	91	11862	2.429 ug/l		97
68) m/p-Xylenes	10.299	106	9905	5.103 ug/l		92
69) o-Xylene	10.646	106	2879	1.526 ug/l		98
76) 1,2,3-Trichloropropane	11.079	75	31597	26.171 ug/l #		37
80) 1,3,5-Trimethylbenzene	11.457	105	3035	0.824 ug/l		93
81) trans-1,4-Dichloro-2-b...	11.079	75	31597	89.787 ug/l #		11
84) 1,2,4-Trimethylbenzene	11.750	105	5584	1.492 ug/l		97
85) sec-Butylbenzene	11.750	105	5584	1.237 ug/l #		56
90) Hexachloroethane	12.652	117	86	1.447 ug/l #		15
95) Naphthalene	13.780	128	2562	0.595 ug/l		97

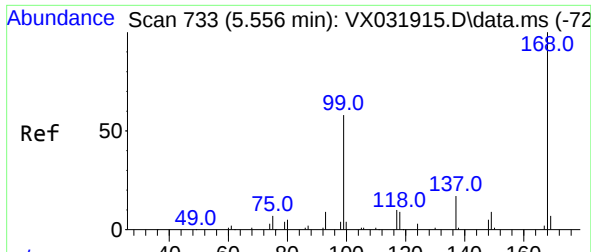
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
MW-136DL

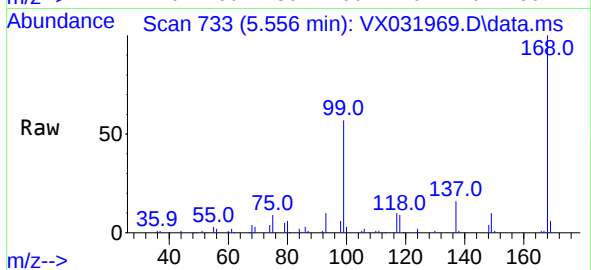
Quant Time: Oct 08 05:15:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
Quant Title : SW846 8260
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Response via : Initial Calibration



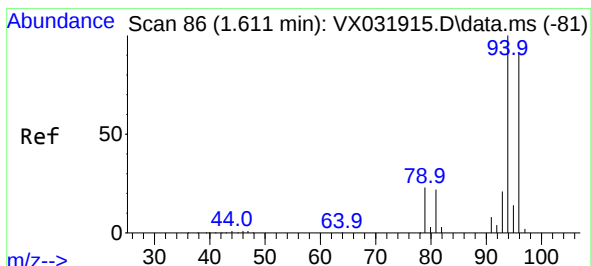
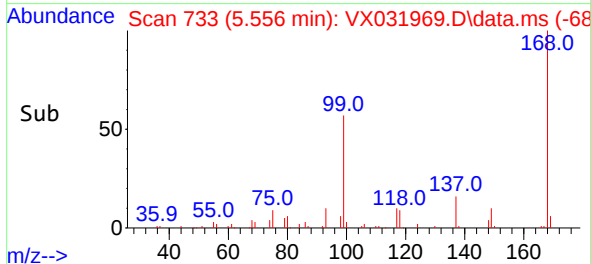
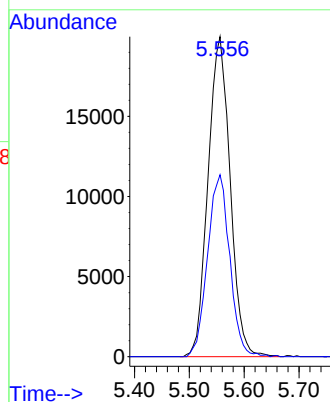


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

Instrument :
MSVOA_X
ClientSampleId :
MW-136DL

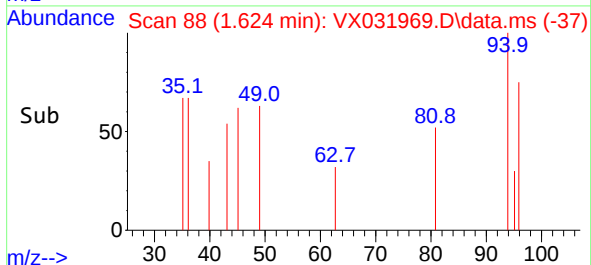
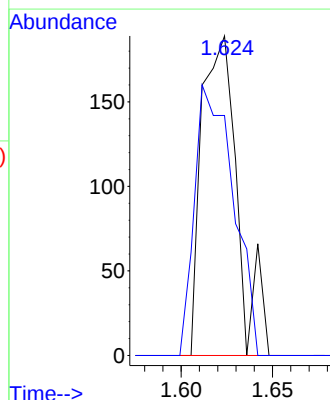
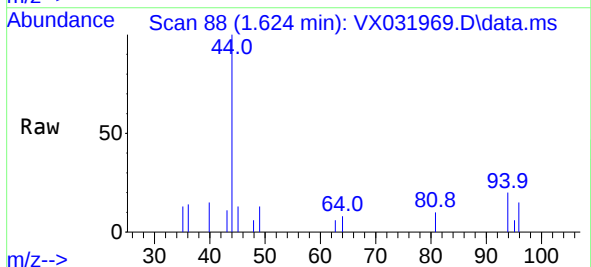


Tgt Ion:168 Resp: 55978
Ion Ratio Lower Upper
168 100
99 56.8 48.8 73.2

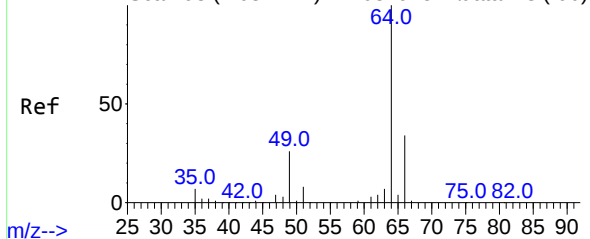


#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 88
Delta R.T. 0.013 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

Tgt Ion: 94 Resp: 256
Ion Ratio Lower Upper
94 100
96 75.1 74.4 111.6



Abundance Scan 98 (1.684 min): VX031915.D\data.ms (-90)

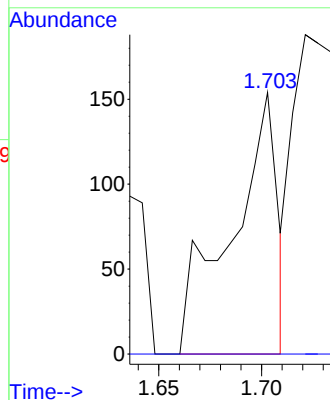
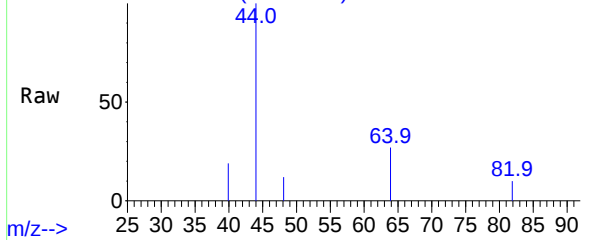


#6
Chloroethane
Concen: 0.275 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.019 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

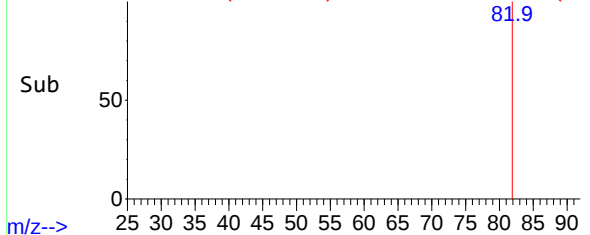
Instrument :
MSVOA_X
ClientSampleId :
MW-136DL

Tgt Ion: 64 Resp: 239
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

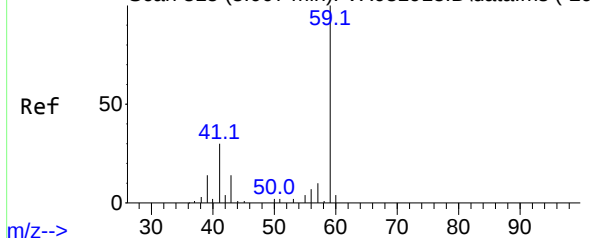
Abundance Scan 101 (1.703 min): VX031969.D\data.ms



Abundance Scan 101 (1.703 min): VX031969.D\data.ms (-49)



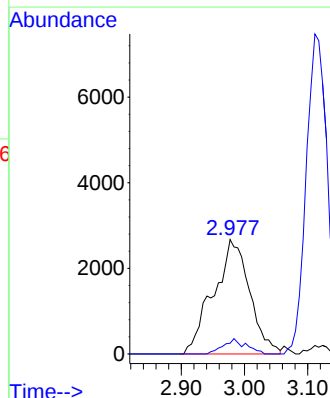
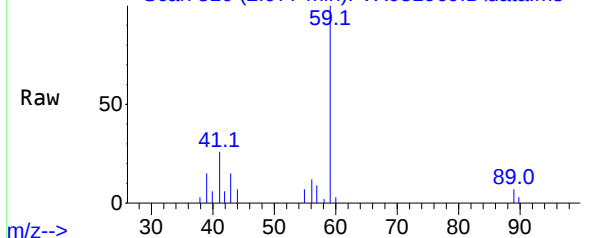
Abundance Scan 315 (3.007 min): VX031915.D\data.ms (-29)



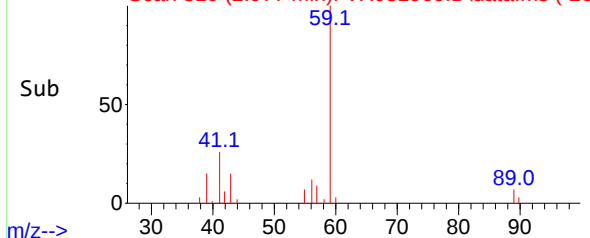
#11
Tert butyl alcohol
Concen: 73.863 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.030 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

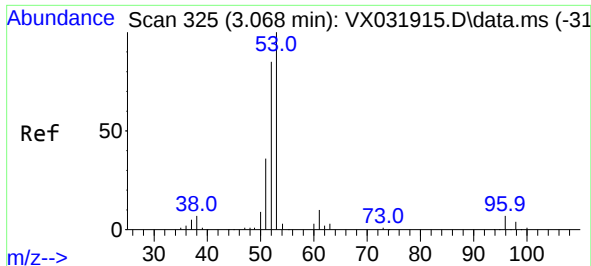
Tgt Ion: 59 Resp: 10624
Ion Ratio Lower Upper
59 100
57 8.3 8.2 12.2

Abundance Scan 310 (2.977 min): VX031969.D\data.ms



Abundance Scan 310 (2.977 min): VX031969.D\data.ms (-26)

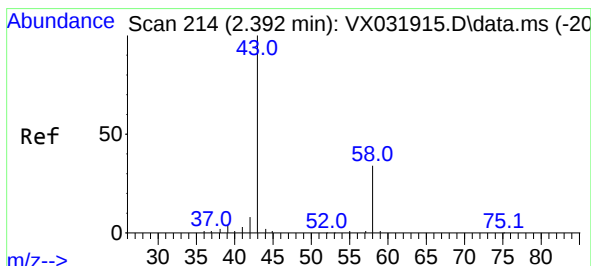
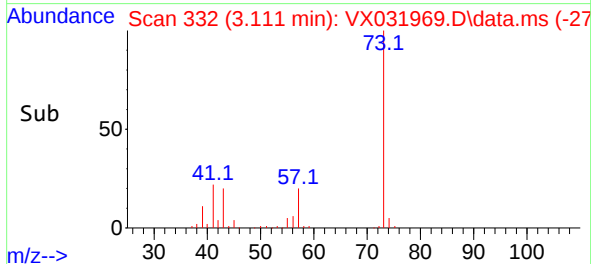
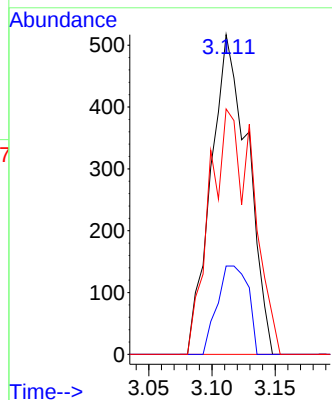
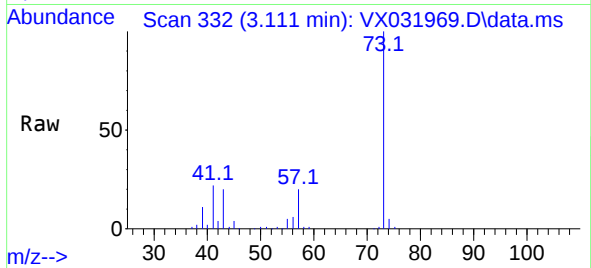




#15
Acrylonitrile
Concen: 2.288 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.043 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

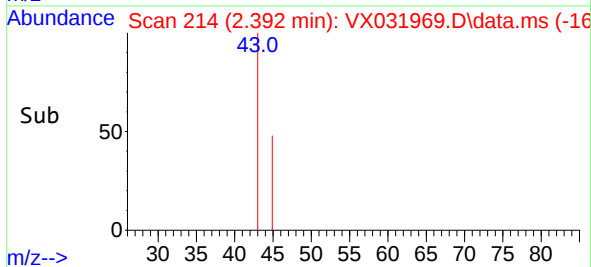
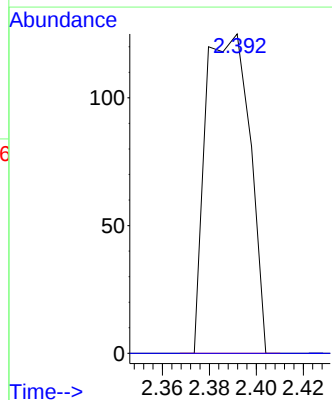
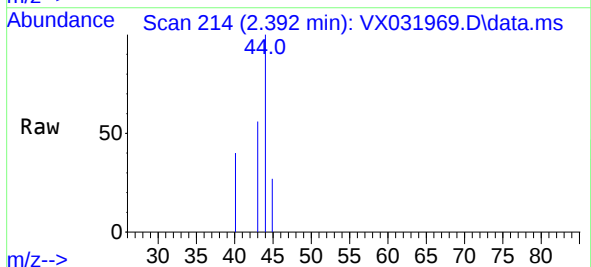
Instrument :
MSVOA_X
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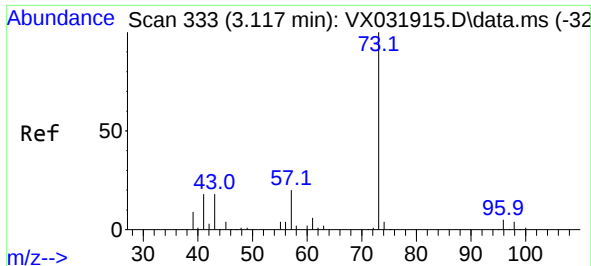
Tgt Ion: 53 Resp: 1049
Ion Ratio Lower Upper
53 100
52 23.0 66.9 100.3#
51 89.9 30.0 45.0#



#16
Acetone
Concen: 0.412 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

Tgt Ion: 43 Resp: 162
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#

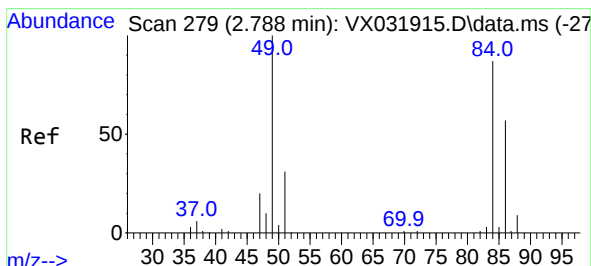
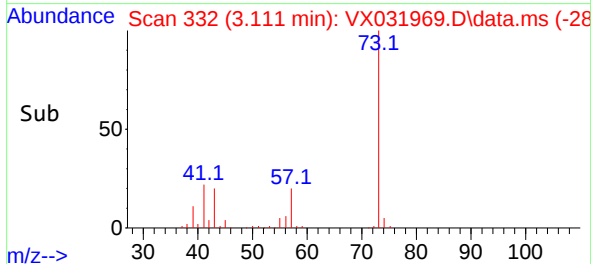
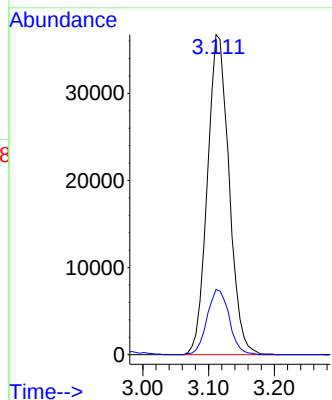
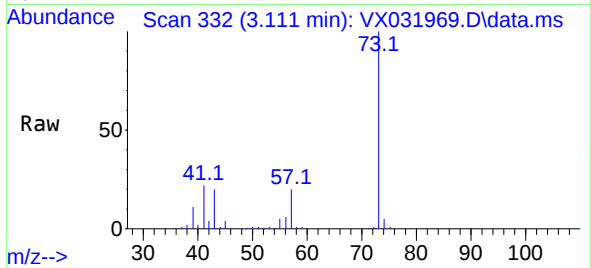




#19
Methyl tert-butyl Ether
Concen: 29.431 ug/l
RT: 3.111 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

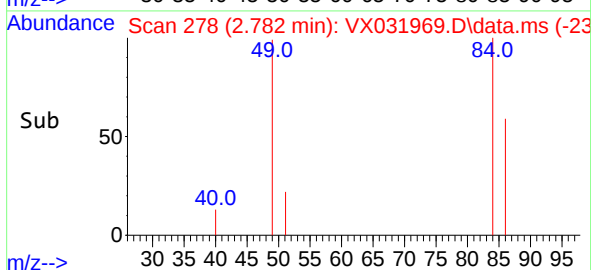
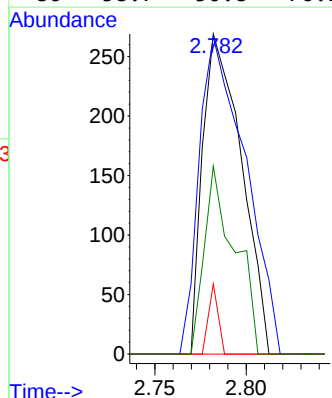
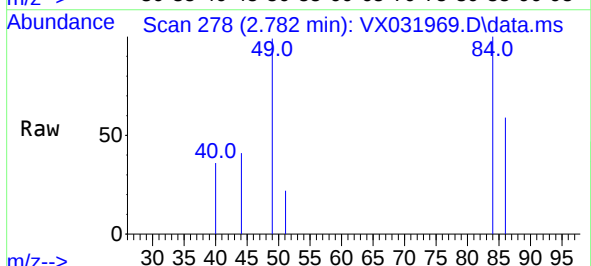
Instrument :
MSVOA_X
ClientSampleId :
MW-136DL

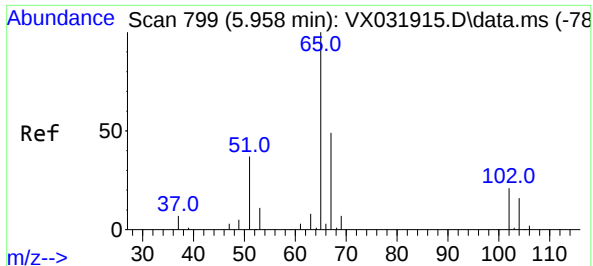
Tgt Ion: 73 Resp: 84210
Ion Ratio Lower Upper
73 100
57 20.3 17.2 25.8



#20
Methylene Chloride
Concen: 0.385 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

Tgt Ion: 84 Resp: 397
Ion Ratio Lower Upper
84 100
49 99.3 105.9 158.9#
51 21.9 32.2 48.2#
86 58.7 50.8 76.2





#33

1,2-Dichloroethane-d4

Concen: 54.279 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031969.D

Acq: 07 Oct 2022 17:54

Instrument :

MSVOA_X

ClientSampleId :

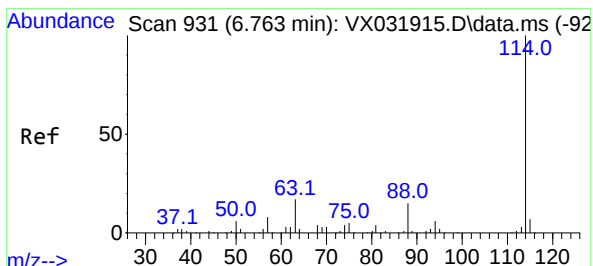
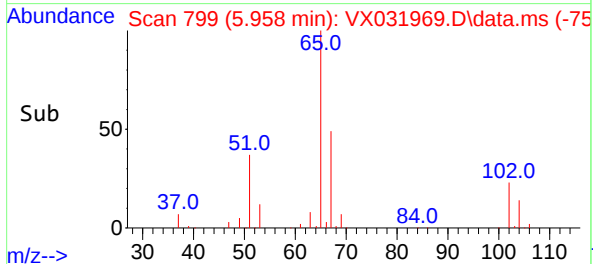
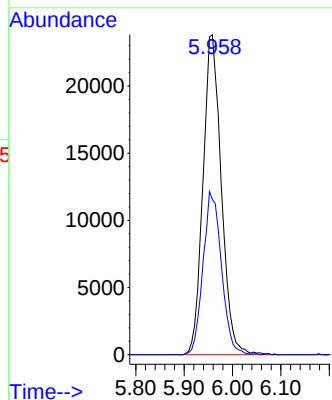
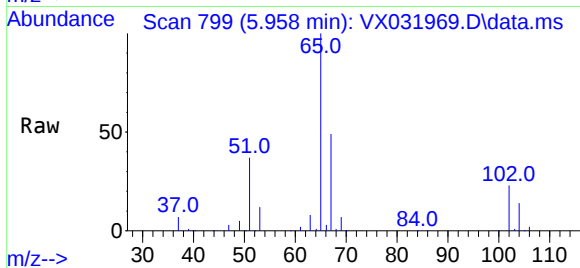
MW-136DL

Tgt Ion: 65 Resp: 62750

Ion Ratio Lower Upper

65 100

67 51.2 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: VX031969.D

Acq: 07 Oct 2022 17:54

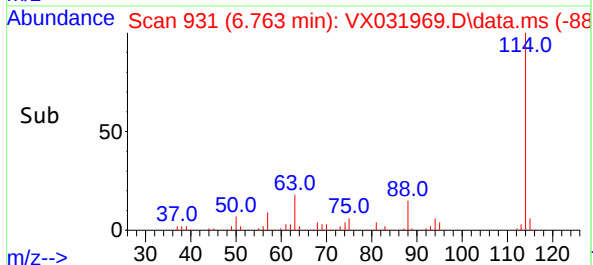
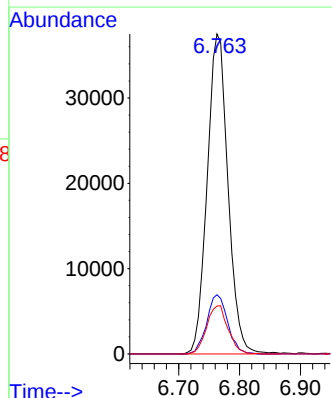
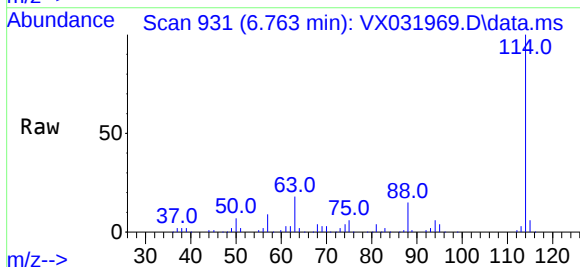
Tgt Ion: 114 Resp: 89043

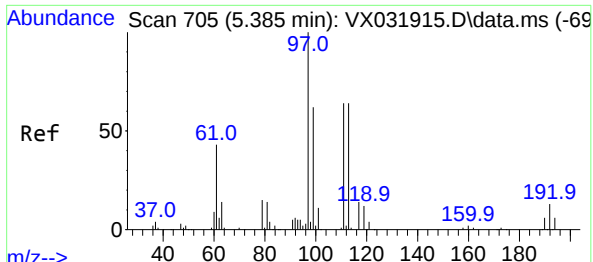
Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.6

88 15.0 0.0 33.0

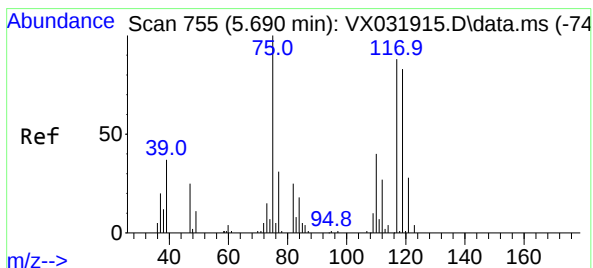
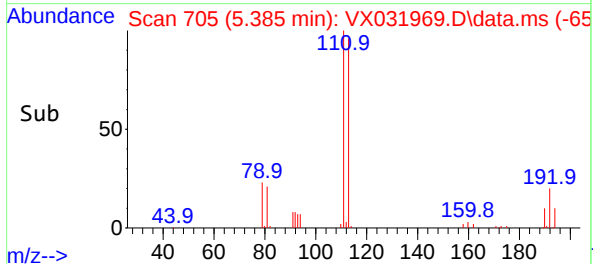
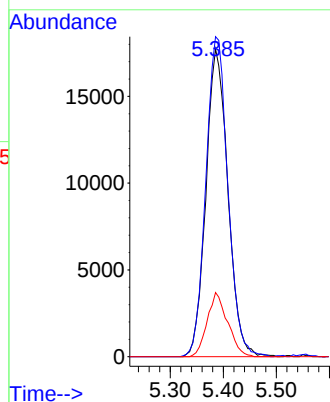
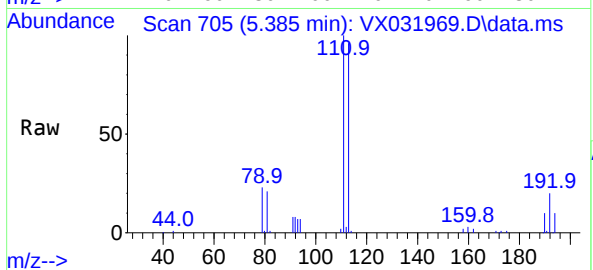




#35
Dibromofluoromethane
Concen: 50.654 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

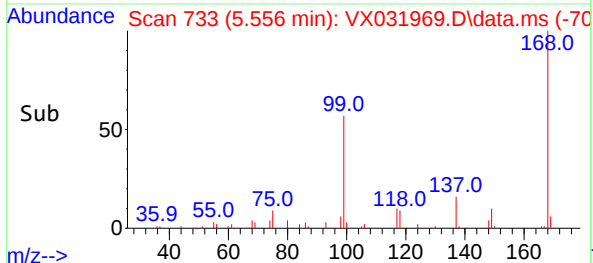
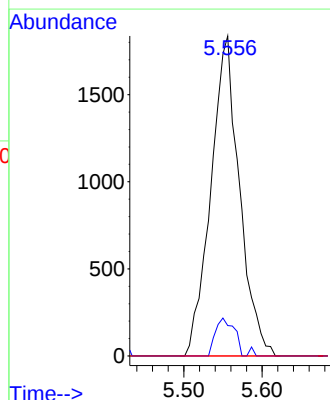
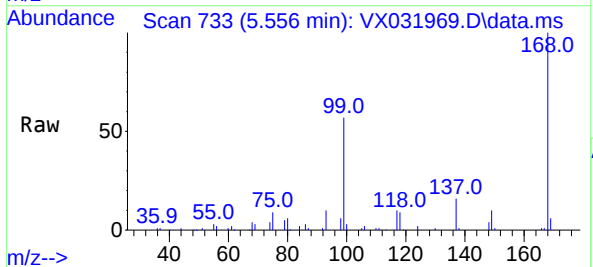
Instrument :
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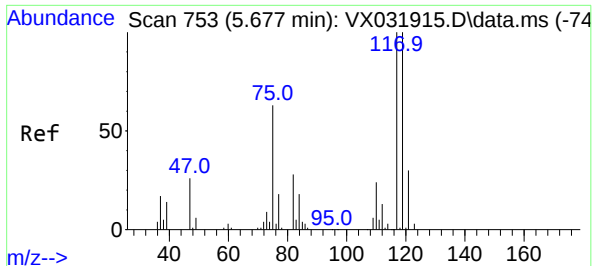
Tgt Ion:113 Resp: 51055
Ion Ratio Lower Upper
113 100
111 104.3 82.4 123.6
192 19.4 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.493 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

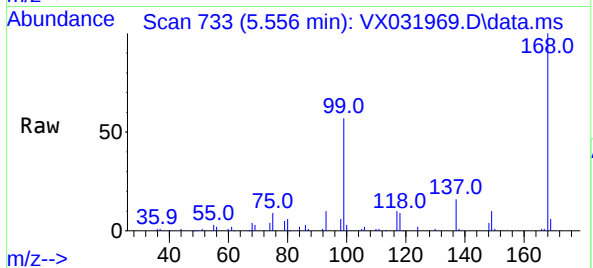
Tgt Ion: 75 Resp: 4668
Ion Ratio Lower Upper
75 100
110 7.8 17.5 52.5#
77 0.0 24.9 37.3#



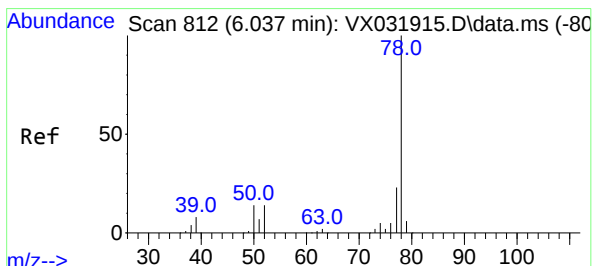
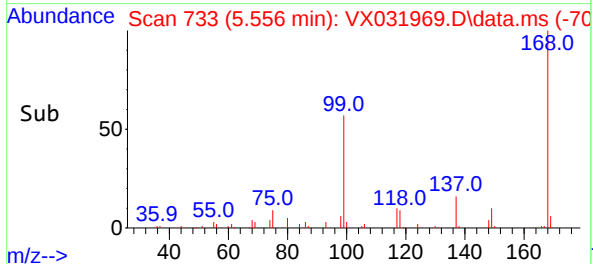
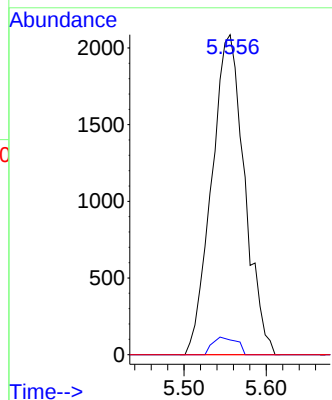


#38
Carbon Tetrachloride
Concen: 4.249 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.121 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

Instrument :
MSVOA_X
ClientSampleId :
MW-136DL

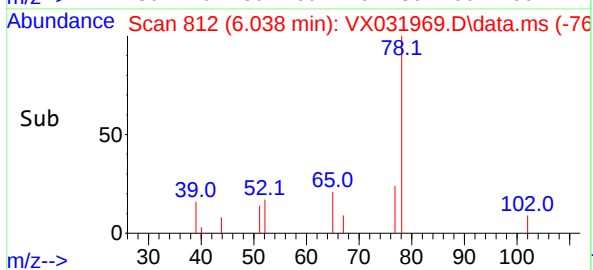
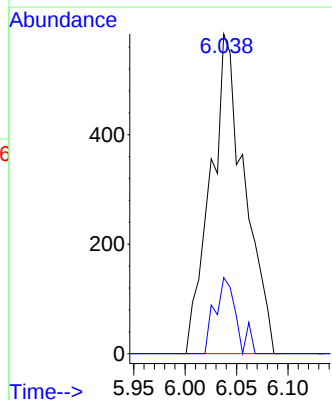
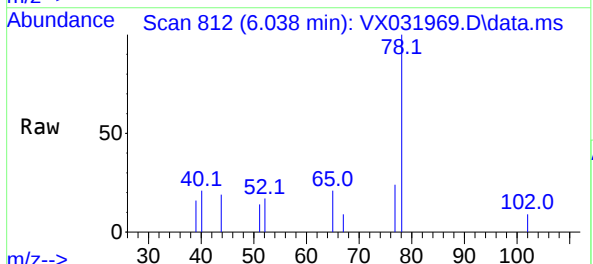


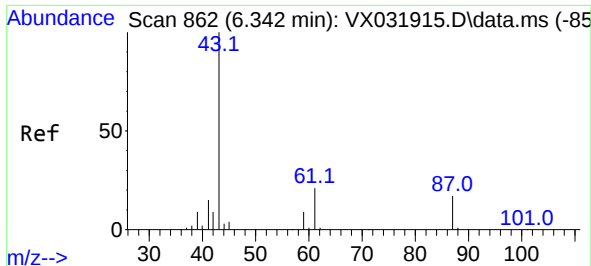
Tgt Ion:117 Resp: 5807
Ion Ratio Lower Upper
117 100
119 4.6 74.6 112.0#
121 0.0 25.3 37.9#



#40
Benzene
Concen: 0.343 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.001 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

Tgt Ion: 78 Resp: 1344
Ion Ratio Lower Upper
78 100
77 23.8 18.7 28.1

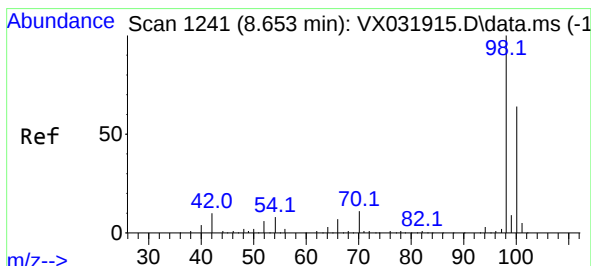
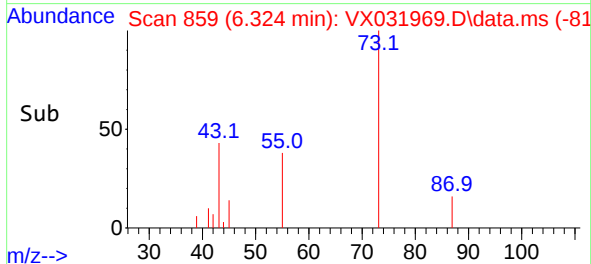
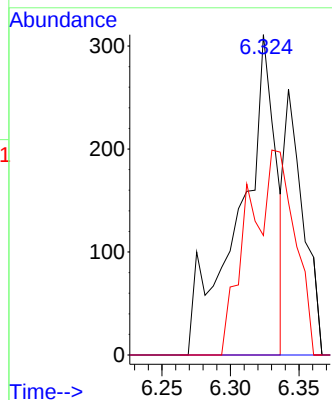
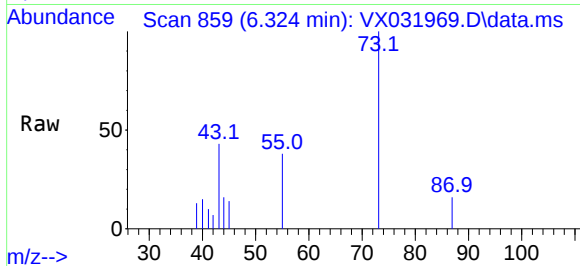




#43
Isopropyl Acetate
Concen: 0.300 ug/l
RT: 6.324 min Scan# 81
Delta R.T. -0.018 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

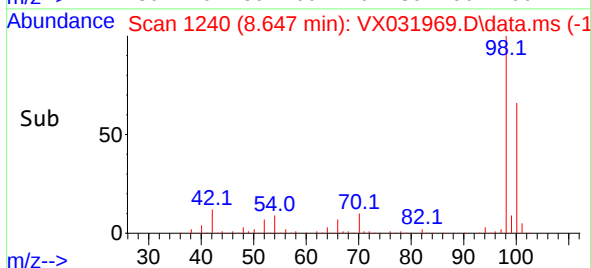
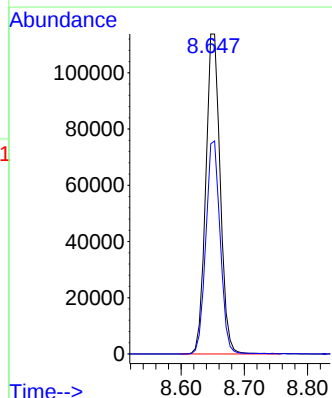
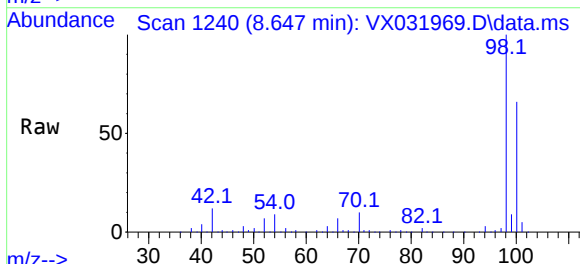
Instrument :
MSVOA_X
ClientSampleId :
MW-136DL

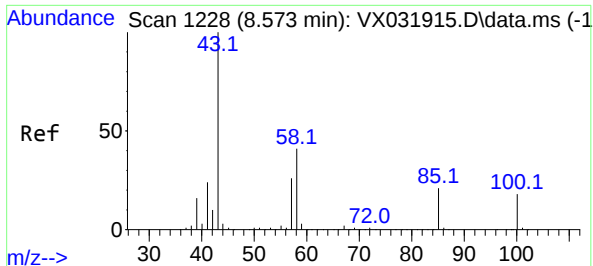
Tgt Ion: 43 Resp: 573
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 81.5 10.6 15.8#



#50
Toluene-d8
Concen: 49.814 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

Tgt Ion: 98 Resp: 180668
Ion Ratio Lower Upper
98 100
100 66.2 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.662 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.080 min

Lab File: VX031969.D

Acq: 07 Oct 2022 17:54

Instrument :

MSVOA_X

ClientSampleId :

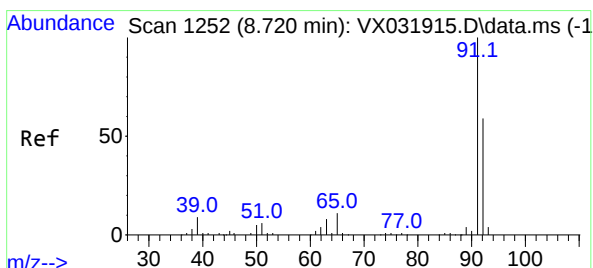
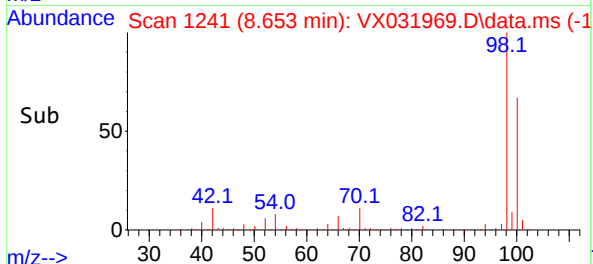
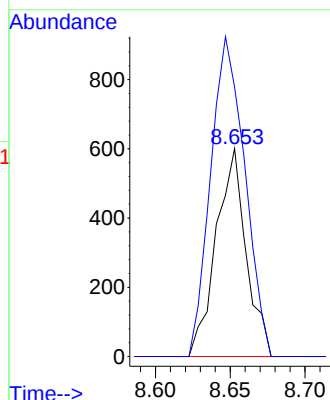
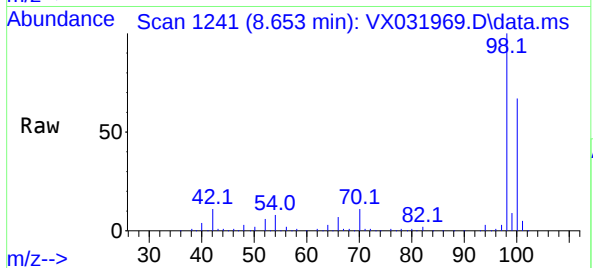
MW-136DL

Tgt Ion: 43 Resp: 837

Ion Ratio Lower Upper

43 100

58 175.3 30.6 46.0#



#52

Toluene

Concen: 0.687 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX031969.D

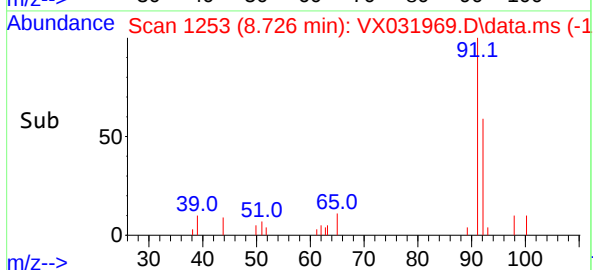
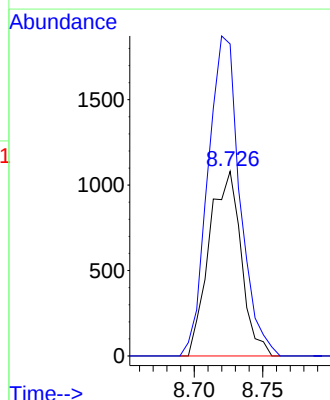
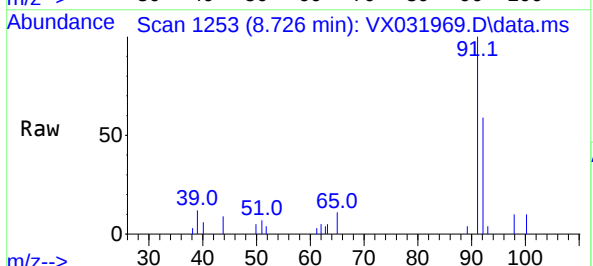
Acq: 07 Oct 2022 17:54

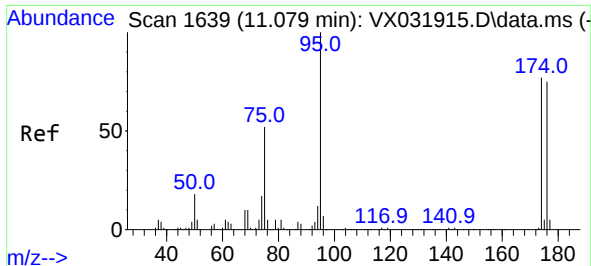
Tgt Ion: 92 Resp: 1758

Ion Ratio Lower Upper

92 100

91 173.4 137.1 205.7

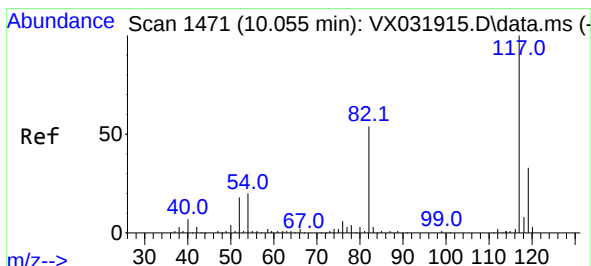
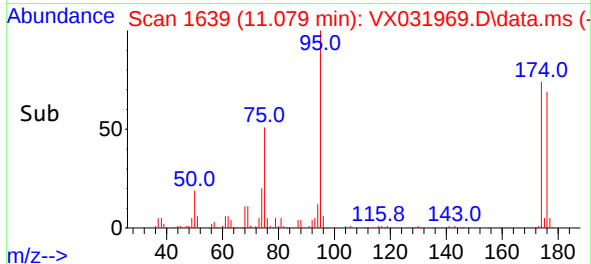
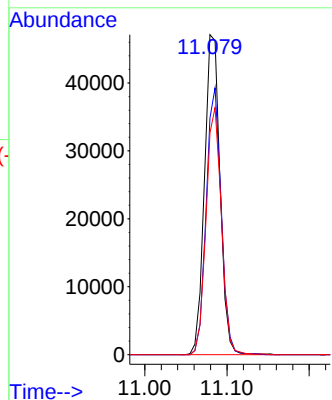
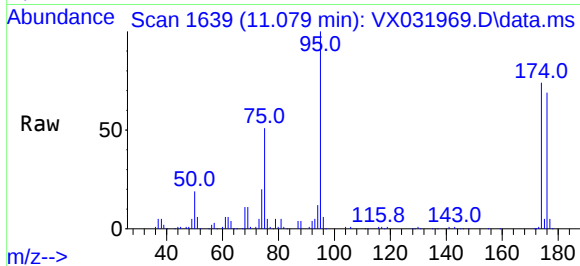




#62
4-Bromofluorobenzene
Concen: 48.166 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

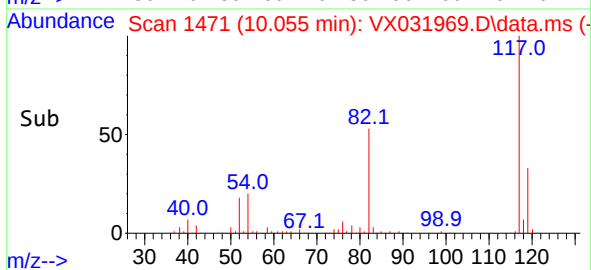
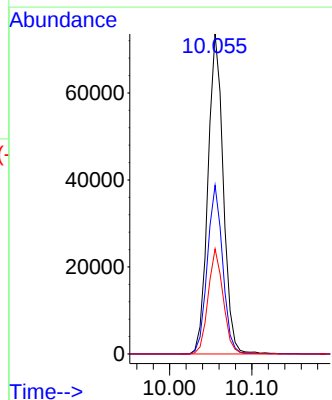
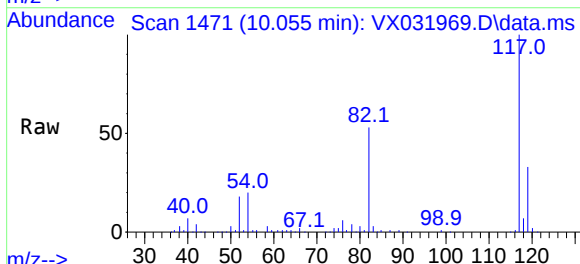
Instrument :
MSVOA_X
ClientSampleId :
MW-136DL

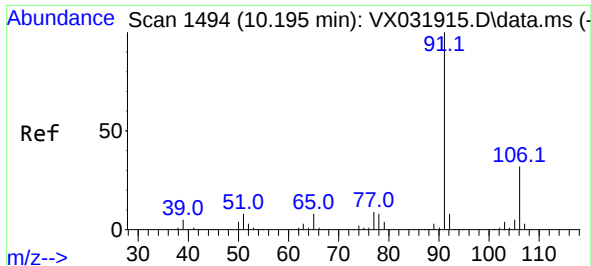
Tgt Ion: 95 Resp: 61758
Ion Ratio Lower Upper
95 100
174 80.9 0.0 153.2
176 76.4 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

Tgt Ion: 117 Resp: 95280
Ion Ratio Lower Upper
117 100
82 52.7 46.8 70.2
119 32.9 26.4 39.6

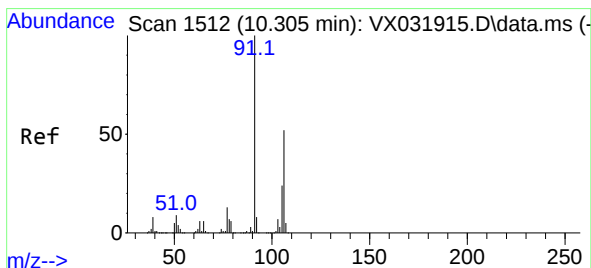
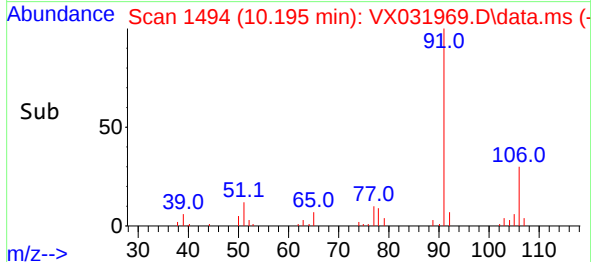
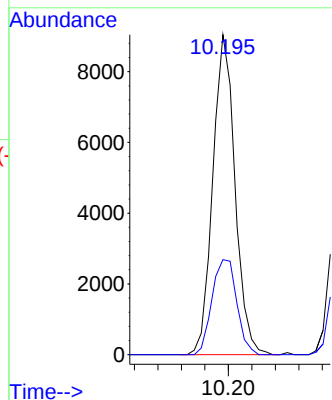
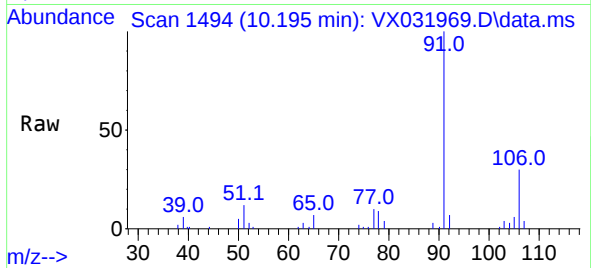




#67
Ethyl Benzene
Concen: 2.429 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

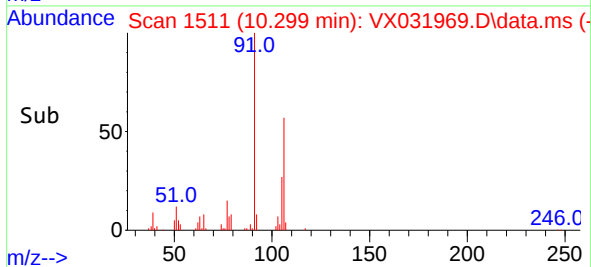
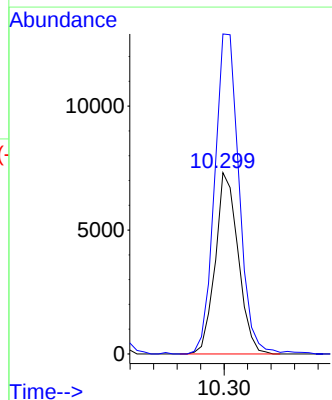
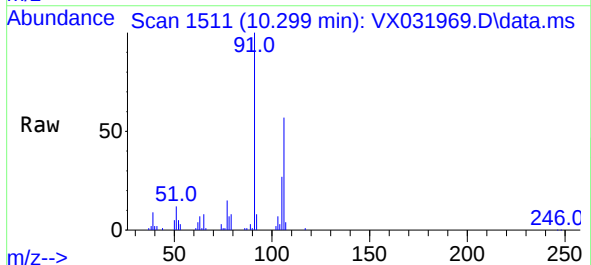
Instrument :
MSVOA_X
ClientSampleId :
MW-136DL

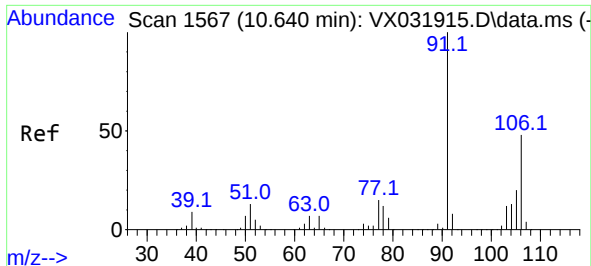
Tgt Ion: 91 Resp: 11862
Ion Ratio Lower Upper
91 100
106 29.7 25.2 37.8



#68
m/p-Xylenes
Concen: 5.103 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

Tgt Ion: 106 Resp: 9905
Ion Ratio Lower Upper
106 100
91 188.7 161.0 241.4

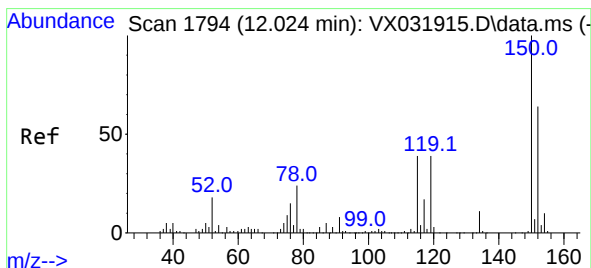
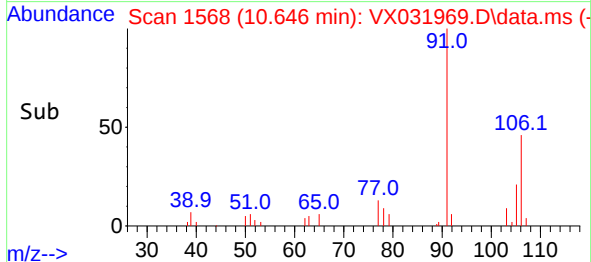
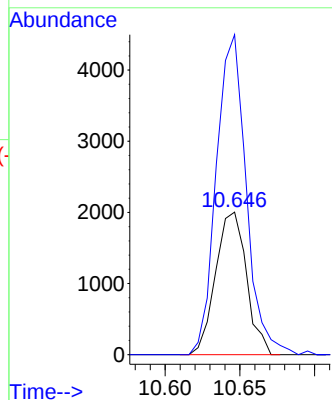
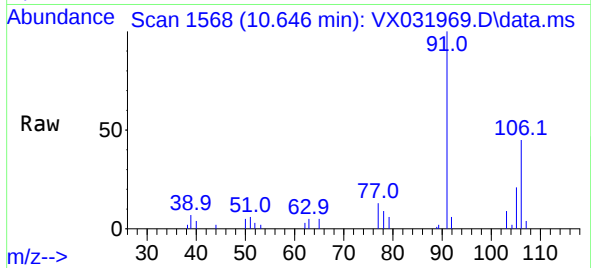




#69
o-Xylene
Concen: 1.526 ug/l
RT: 10.646 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

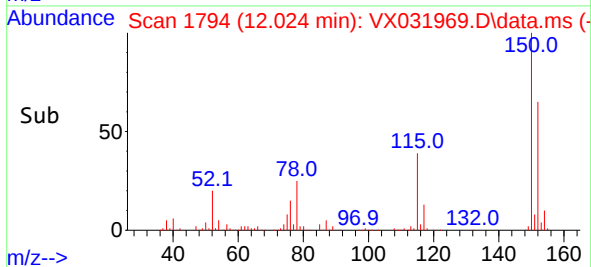
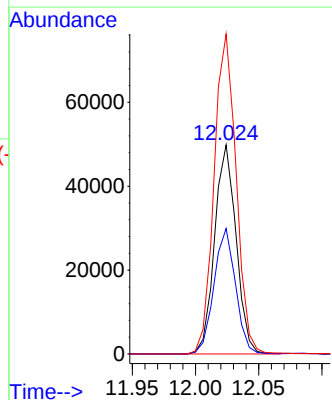
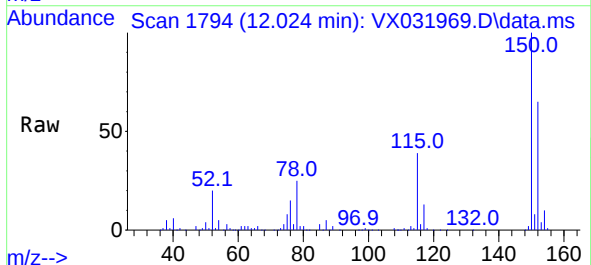
Instrument :
MSVOA_X
ClientSampleId :
MW-136DL

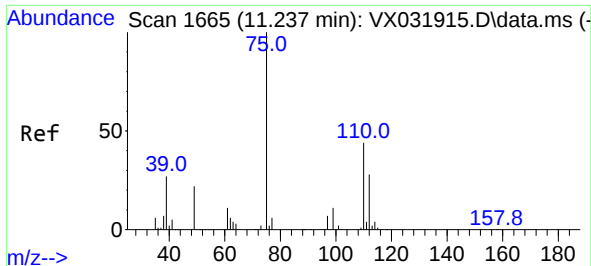
Tgt Ion:106 Resp: 2879
Ion Ratio Lower Upper
106 100
91 217.9 107.2 321.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

Tgt Ion:152 Resp: 58908
Ion Ratio Lower Upper
152 100
115 60.2 43.4 130.1
150 157.0 0.0 346.8

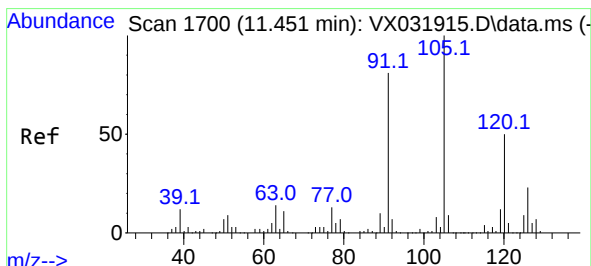
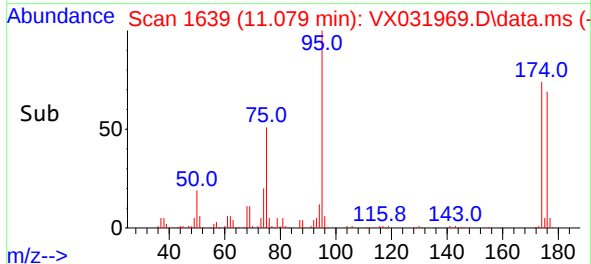
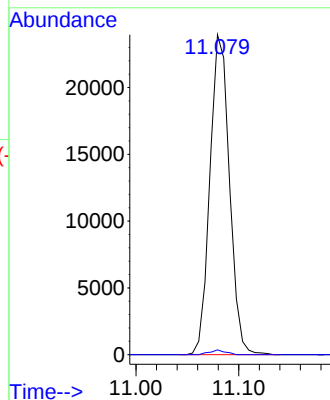
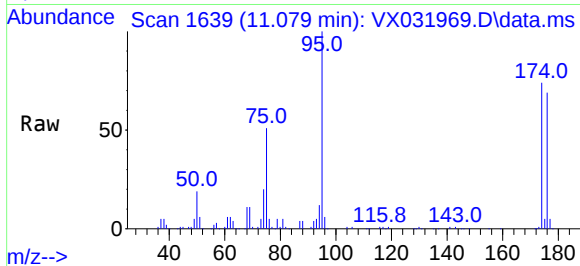




#76
1,2,3-Trichloropropane
Concen: 26.171 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.158 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

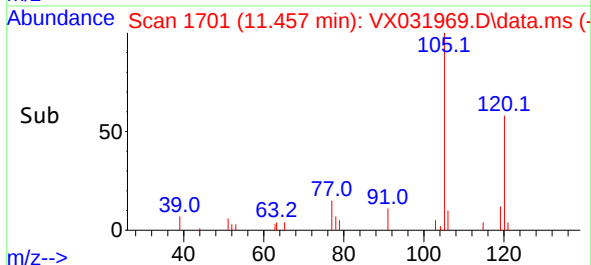
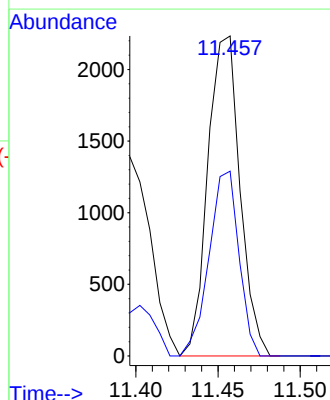
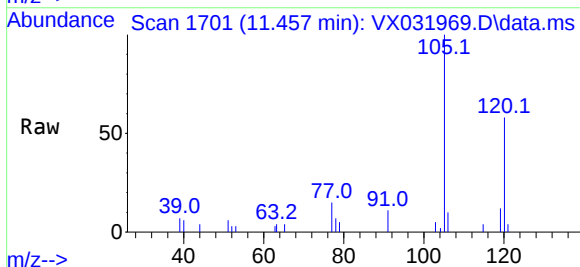
Instrument :
MSVOA_X
ClientSampleId :
MW-136DL

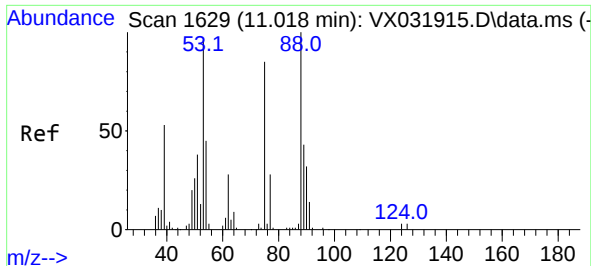
Tgt Ion: 75 Resp: 31597
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#



#80
1,3,5-Trimethylbenzene
Concen: 0.824 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

Tgt Ion: 105 Resp: 3035
Ion Ratio Lower Upper
105 100
120 53.6 24.5 73.5

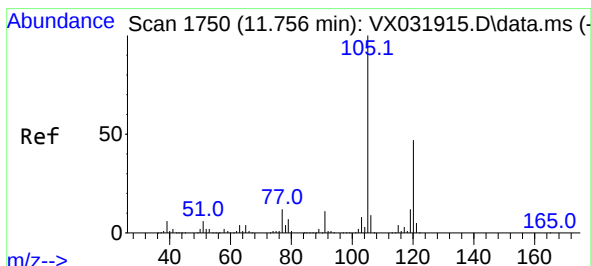
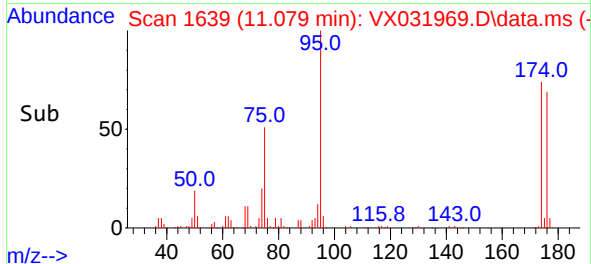
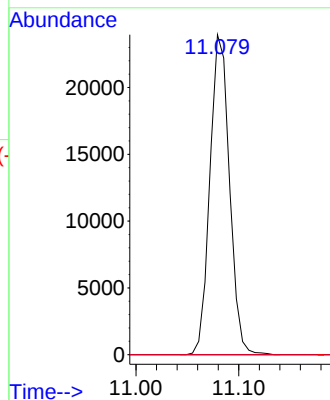
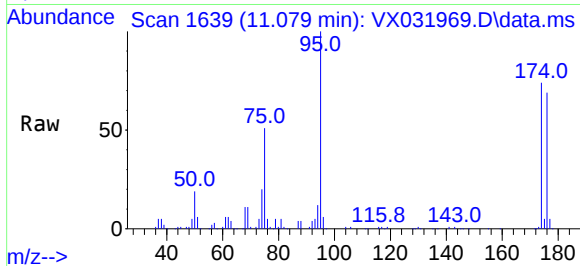




#81
trans-1,4-Dichloro-2-butene
Concen: 89.787 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

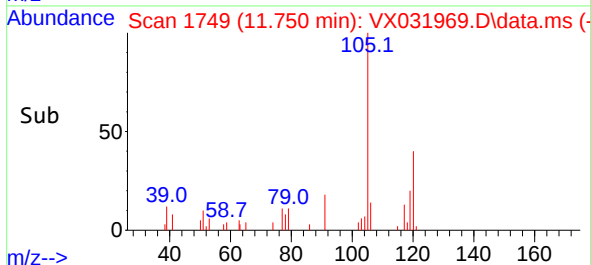
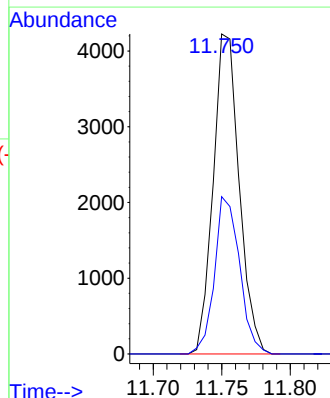
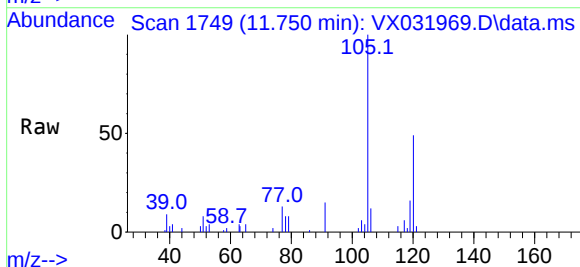
Instrument :
MSVOA_X
ClientSampleId :
MW-136DL

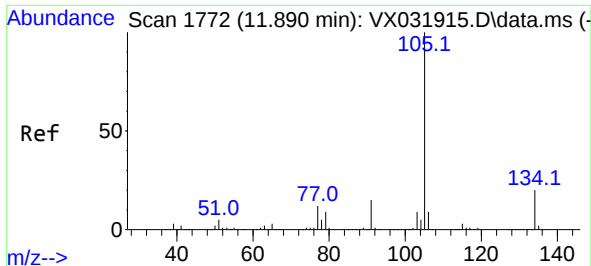
Tgt Ion: 75 Resp: 31597
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.492 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

Tgt Ion: 105 Resp: 5584
Ion Ratio Lower Upper
105 100
120 47.3 22.6 67.8

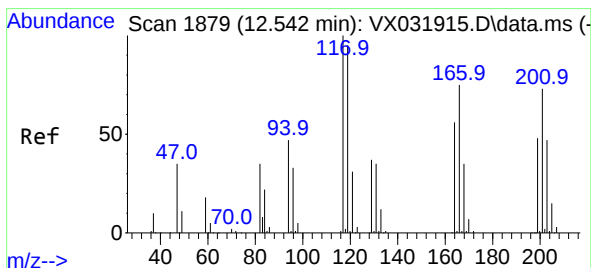
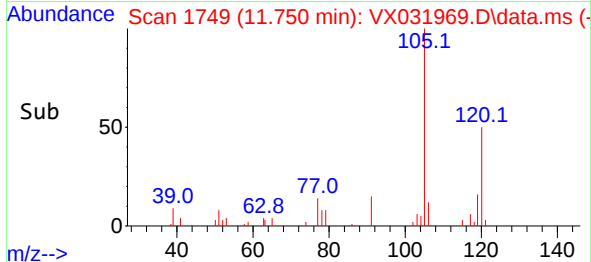
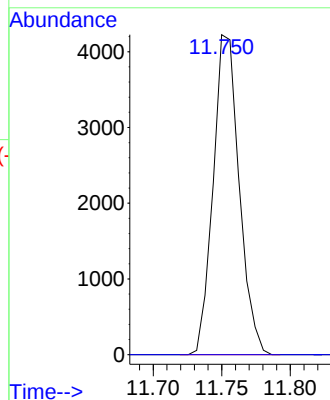
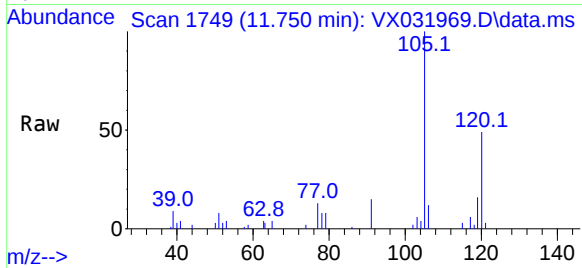




#85
 sec-Butylbenzene
 Concen: 1.237 ug/l
 RT: 11.750 min Scan# 11
 Delta R.T. -0.140 min
 Lab File: VX031969.D
 Acq: 07 Oct 2022 17:54

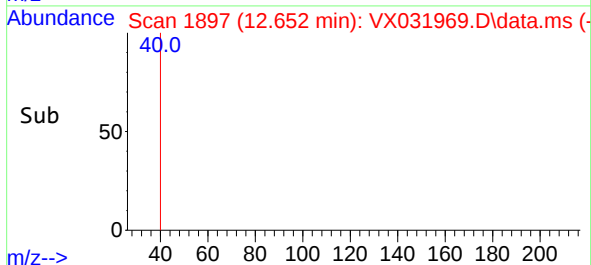
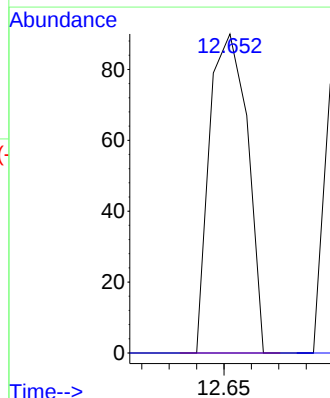
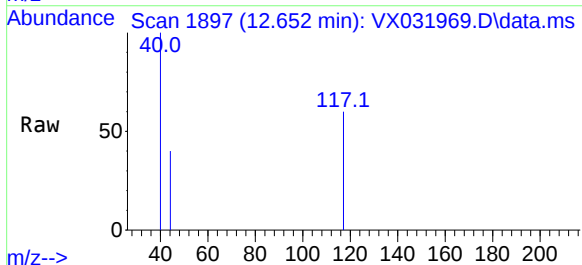
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-136DL

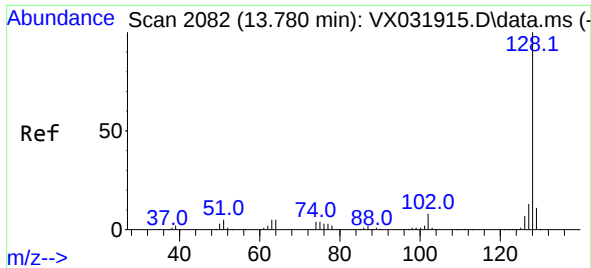
Tgt Ion:105 Resp: 5584
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#90
 Hexachloroethane
 Concen: 1.447 ug/l
 RT: 12.652 min Scan# 1897
 Delta R.T. 0.110 min
 Lab File: VX031969.D
 Acq: 07 Oct 2022 17:54

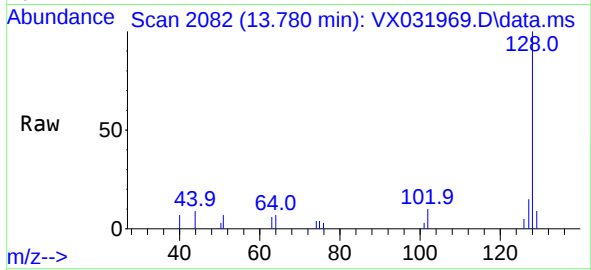
Tgt Ion:117 Resp: 86
 Ion Ratio Lower Upper
 117 100
 201 0.0 34.8 104.4#





#95
Naphthalene
Concen: 0.595 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX031969.D
Acq: 07 Oct 2022 17:54

Instrument :
MSVOA_X
ClientSampleId :
MW-136DL



Tgt Ion:	128	Resp:	2562
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.4	15.6
129	9.8	8.8	13.2

