

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033123\
 Data File : VX034880.D
 Acq On : 31 Mar 2023 15:58
 Operator : JC/MD
 Sample : 02048-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

Quant Time: Apr 03 01:19:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

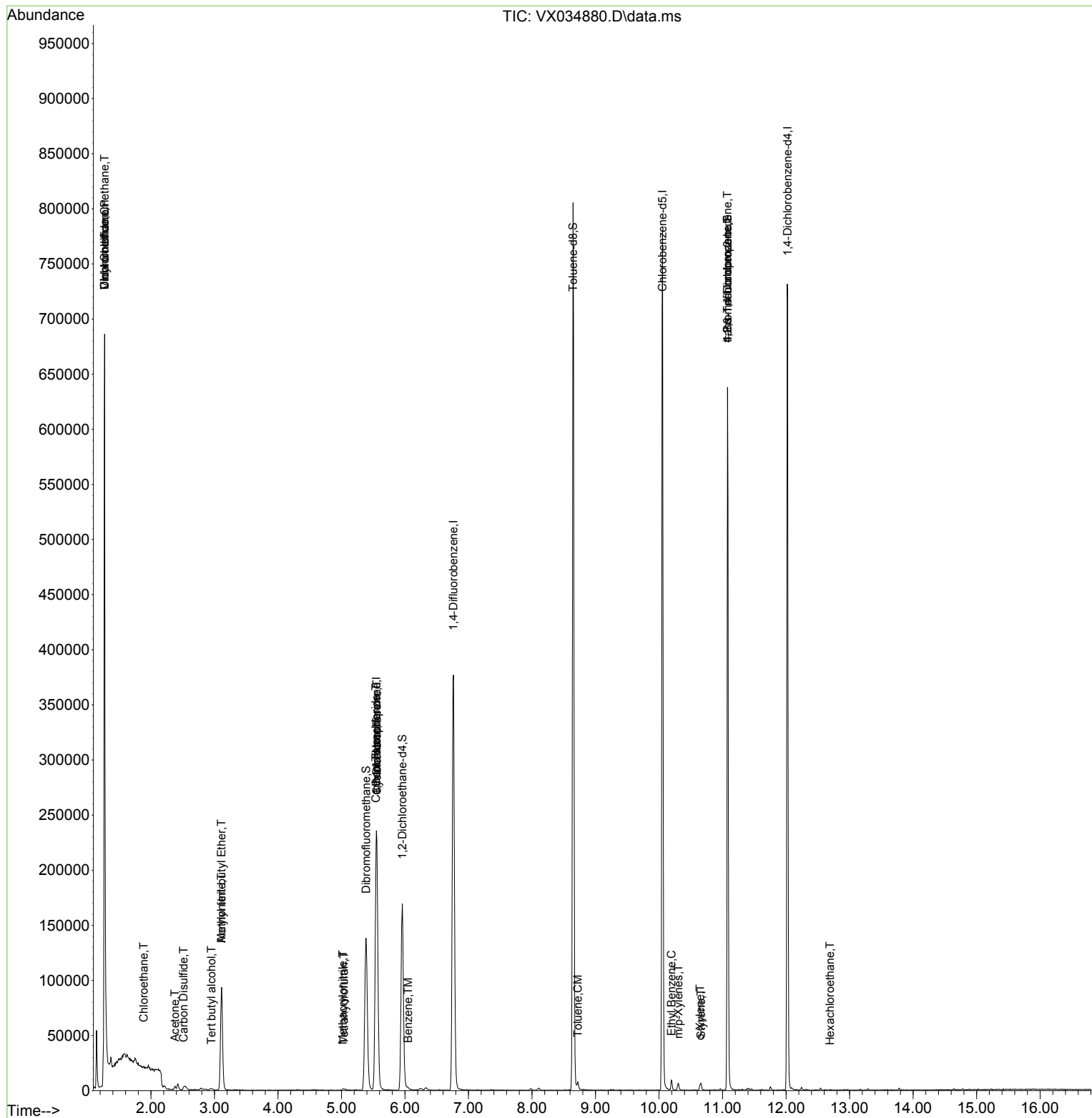
Internal Standards						
1) Pentafluorobenzene	5.550	168	218360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	372293	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	331031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	146898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	158178	47.366	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.740%
35) Dibromofluoromethane	5.385	113	117495	47.715	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.440%
50) Toluene-d8	8.647	98	450100	49.522	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.040%
62) 4-Bromofluorobenzene	11.079	95	160479	45.627	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.270	85	52423	24.070	ug/l	99
3) Chloromethane	1.270	50	8703	3.192	ug/l #	44
4) Vinyl Chloride	1.270	62	2419	0.896	ug/l #	1
6) Chloroethane	1.886	64	1296	0.738	ug/l #	53
11) Tert butyl alcohol	2.953	59	1609	2.746	ug/l #	73
15) Acrylonitrile	3.111	53	1316	0.998	ug/l #	30
16) Acetone	2.380	43	3940	2.904	ug/l	98
17) Carbon Disulfide	2.514	76	3219	0.573	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	96281	11.601	ug/l	100
29) Tetrahydrofuran	5.038	42	1249	1.010	ug/l #	56
31) Cyclohexane	5.556	56	5649	1.389	ug/l #	25
36) 1,1-Dichloropropene	5.556	75	18783	5.149	ug/l #	51
38) Carbon Tetrachloride	5.544	117	23708	6.893	ug/l #	16
40) Benzene	6.050	78	2114	0.202	ug/l #	86
41) Methacrylonitrile	5.019	41	495	0.239	ug/l #	37
52) Toluene	8.720	92	2162	0.317	ug/l	99
67) Ethyl Benzene	10.195	91	5459	0.438	ug/l	94
68) m/p-Xylenes	10.305	106	1666	0.350	ug/l	96
69) o-Xylene	10.646	106	957	0.205	ug/l	95
70) Styrene	10.659	104	2648	0.355	ug/l #	83
76) 1,2,3-Trichloropropane	11.079	75	86288	29.152	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	86288	87.368	ug/l #	8
90) Hexachloroethane	12.695	117	375	0.282	ug/l #	15

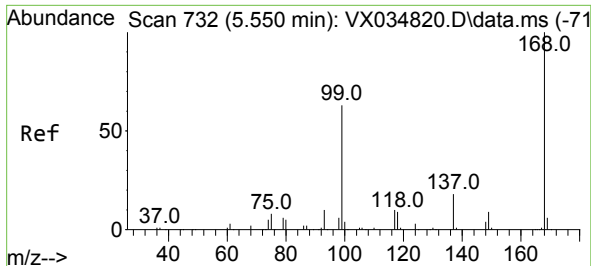
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Time: Apr 03 01:19:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 01 01:50:18 2023
Response via : Initial Calibration

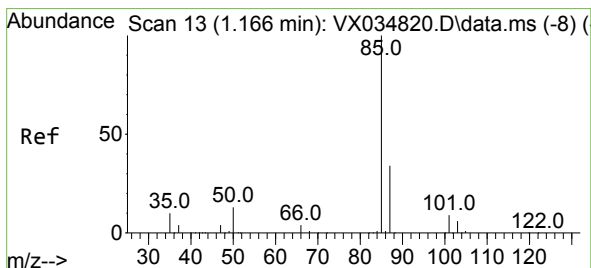
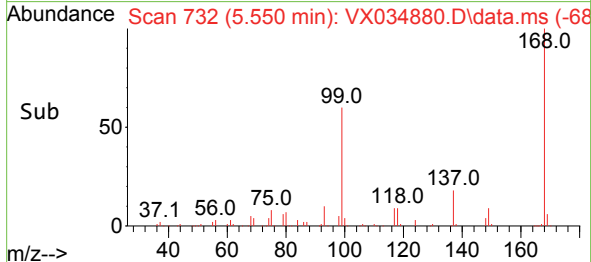
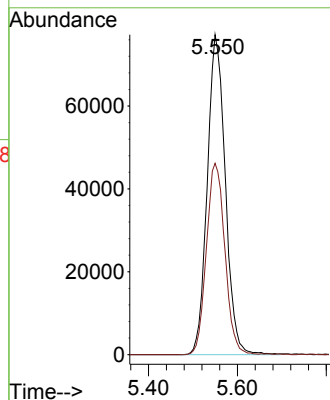
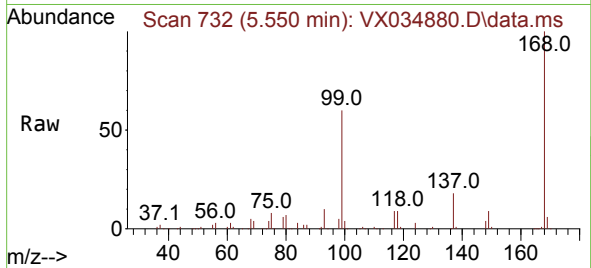




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

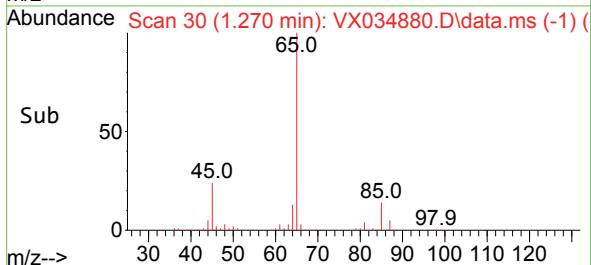
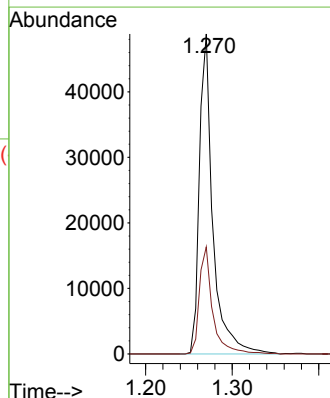
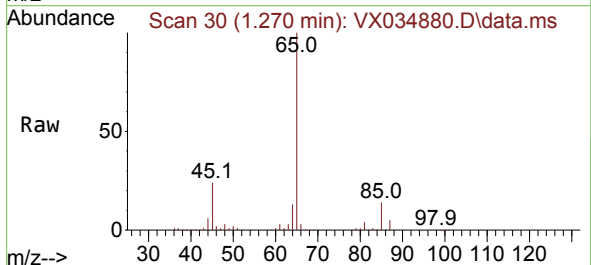
Instrument :
MSVOA_X
ClientSampleId :
MW-8

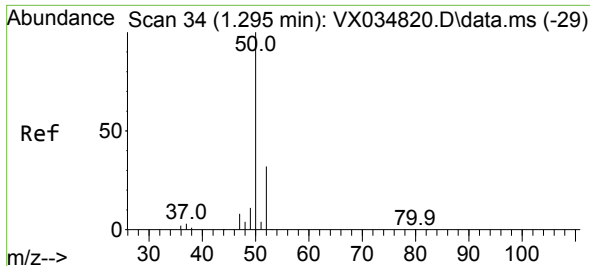
Tgt Ion:168 Resp: 218360
Ion Ratio Lower Upper
168 100
99 59.8 45.7 68.5



#2
Dichlorodifluoromethane
Concen: 24.070 ug/l
RT: 1.270 min Scan# 30
Delta R.T. 0.104 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

Tgt Ion: 85 Resp: 52423
Ion Ratio Lower Upper
85 100
87 33.5 16.4 49.1

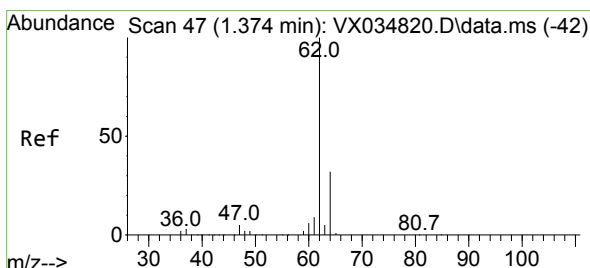
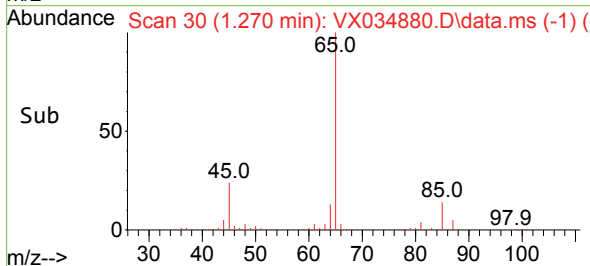
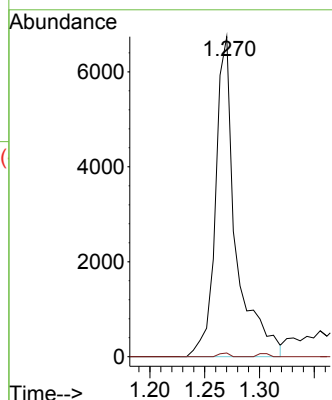
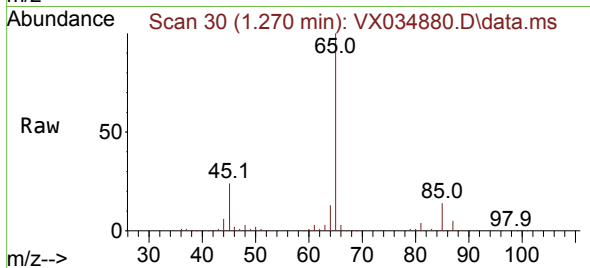




#3
Chloromethane
Concen: 3.192 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

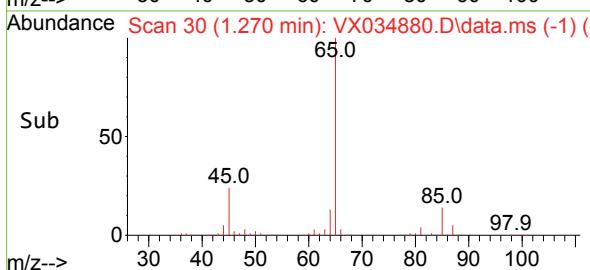
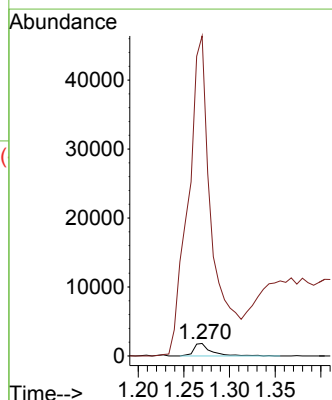
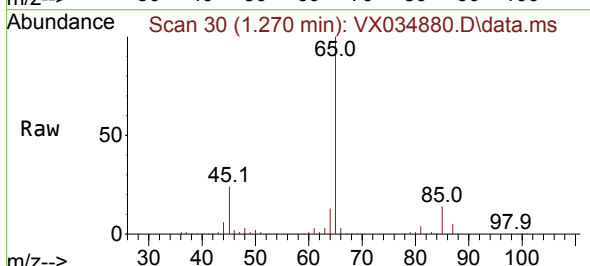
Instrument :
MSVOA_X
ClientSampleId :
MW-8

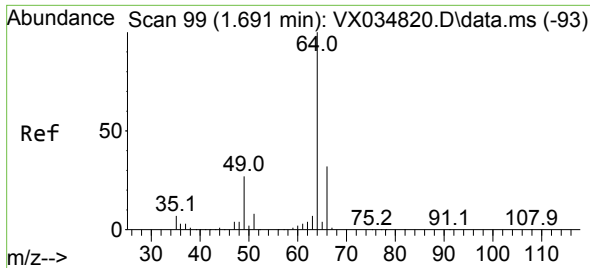
Tgt Ion: 50 Resp: 8703
Ion Ratio Lower Upper
50 100
52 1.1 25.9 38.9#



#4
Vinyl Chloride
Concen: 0.896 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.104 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

Tgt Ion: 62 Resp: 2419
Ion Ratio Lower Upper
62 100
64 1966.8 26.4 39.6#

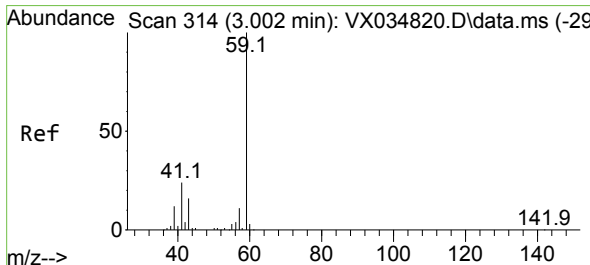
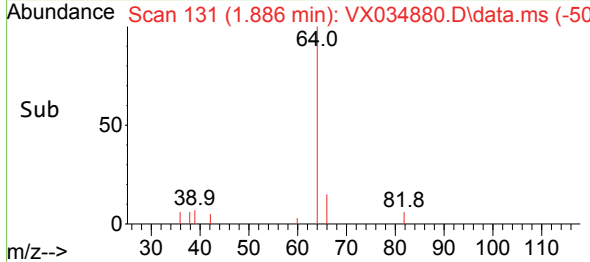
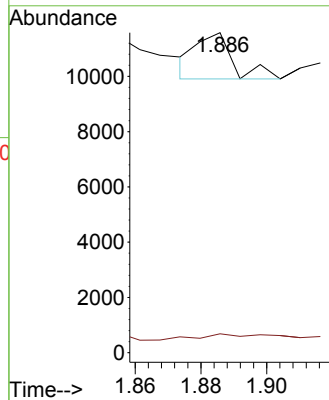
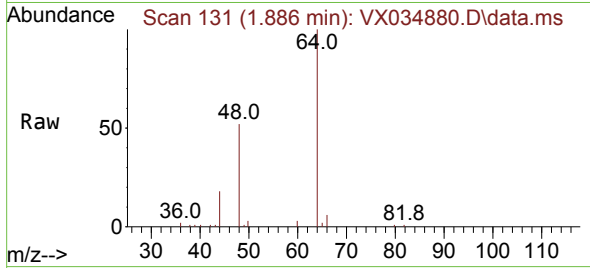




#6
Chloroethane
Concen: 0.738 ug/l
RT: 1.886 min Scan# 11
Delta R.T. 0.195 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

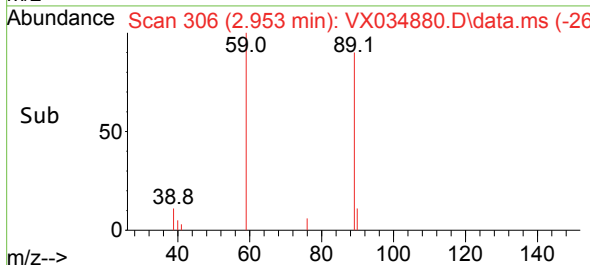
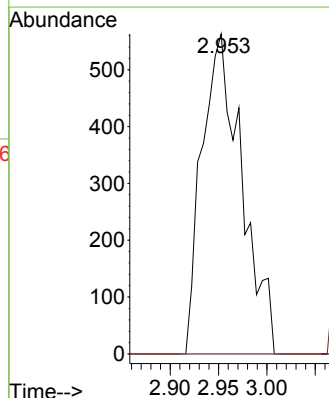
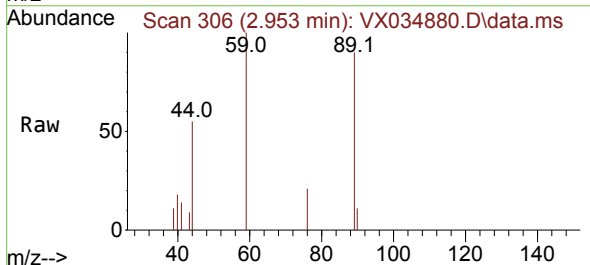
Instrument :
MSVOA_X
ClientSampleId :
MW-8

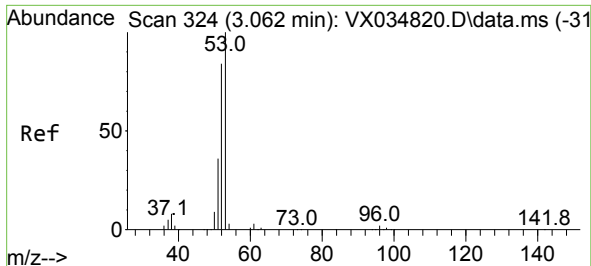
Tgt Ion: 64 Resp: 1296
Ion Ratio Lower Upper
64 100
66 6.5 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.746 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.049 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

Tgt Ion: 59 Resp: 1609
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#15

Acrylonitrile

Concen: 0.998 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.049 min

Lab File: VX034880.D

Acq: 31 Mar 2023 15:58

Instrument :

MSVOA_X

ClientSampleId :

MW-8

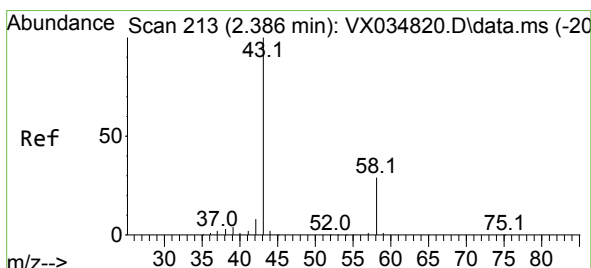
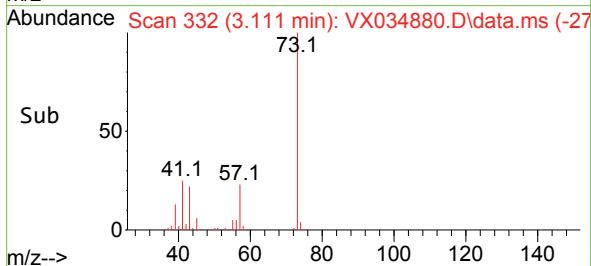
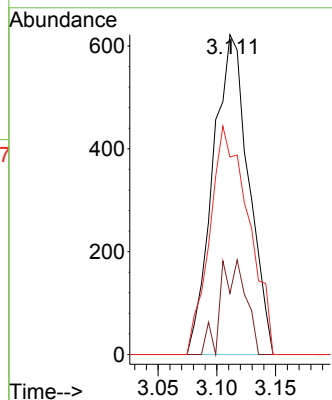
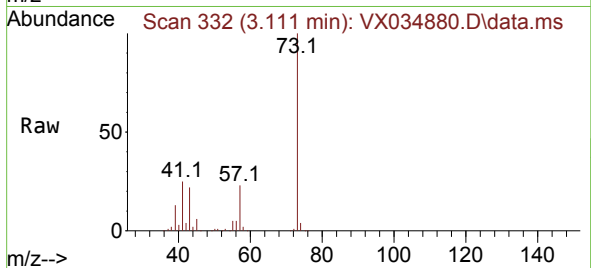
Tgt Ion: 53 Resp: 1316

Ion Ratio Lower Upper

53 100

52 20.9 66.2 99.2#

51 77.7 28.3 42.5#



#16

Acetone

Concen: 2.904 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX034880.D

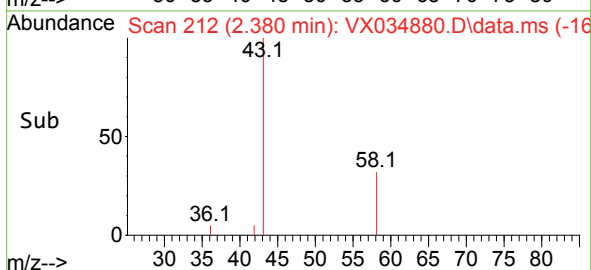
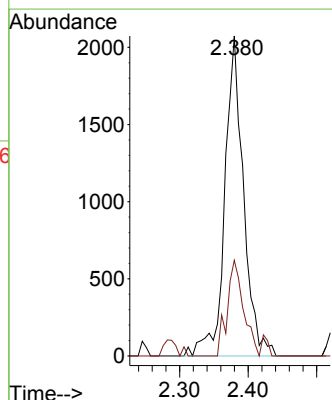
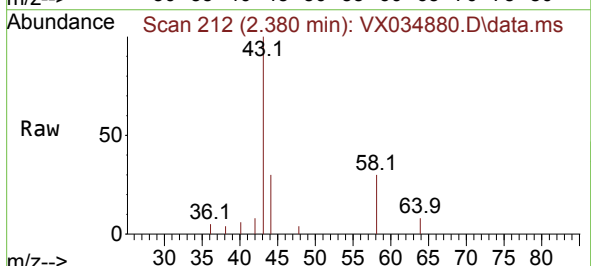
Acq: 31 Mar 2023 15:58

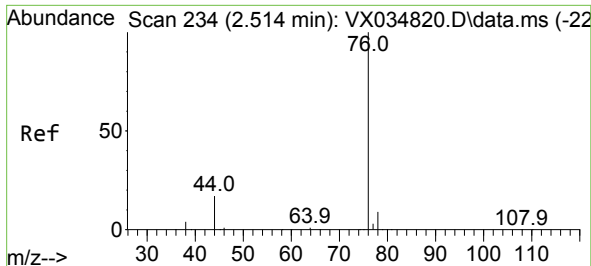
Tgt Ion: 43 Resp: 3940

Ion Ratio Lower Upper

43 100

58 29.9 24.7 37.1





#17

Carbon Disulfide

Concen: 0.573 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX034880.D

Acq: 31 Mar 2023 15:58

Instrument :

MSVOA_X

ClientSampleId :

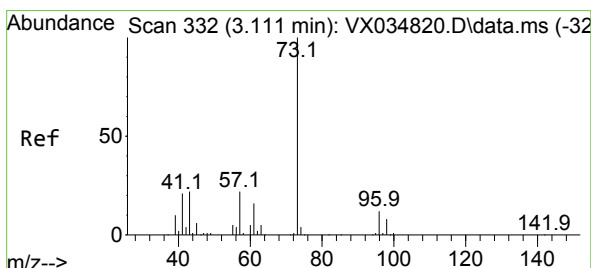
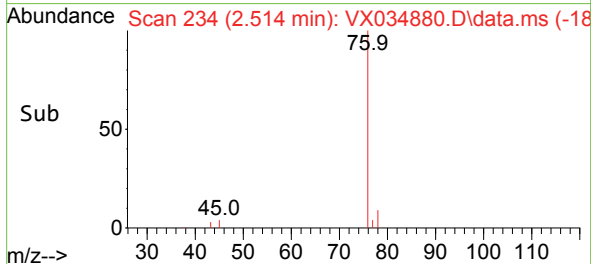
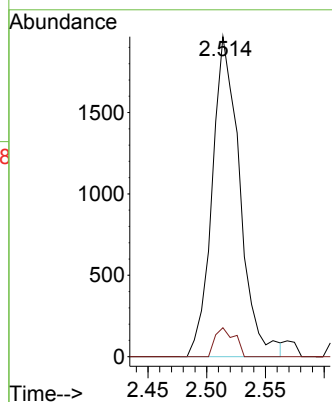
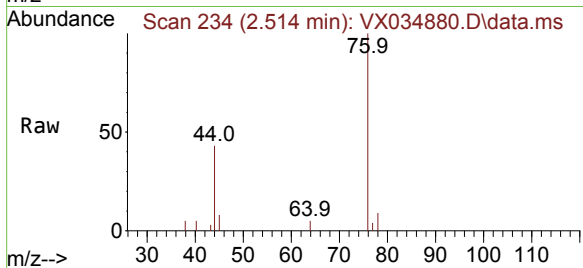
MW-8

Tgt Ion: 76 Resp: 3219

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



#19

Methyl tert-butyl Ether

Concen: 11.601 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX034880.D

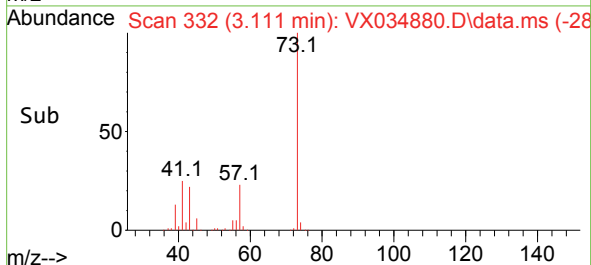
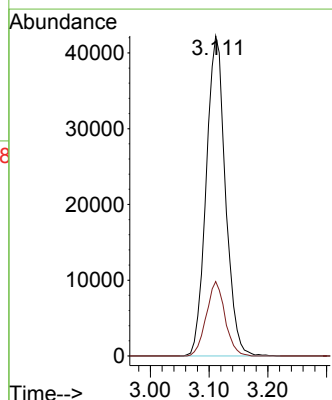
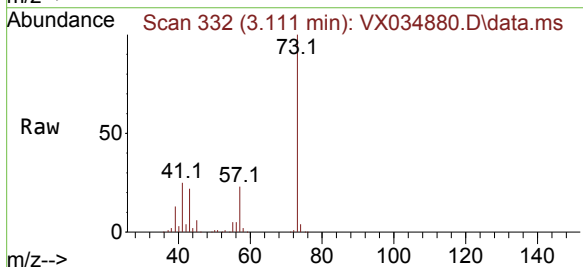
Acq: 31 Mar 2023 15:58

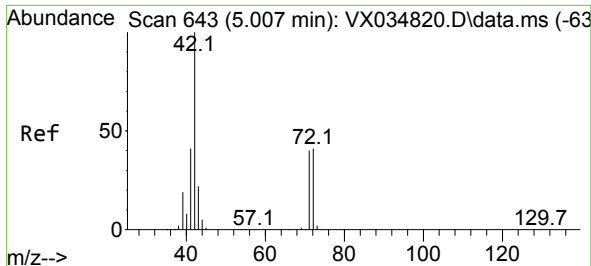
Tgt Ion: 73 Resp: 96281

Ion Ratio Lower Upper

73 100

57 23.3 18.5 27.7





#29

Tetrahydrofuran

Concen: 1.010 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX034880.D

Acq: 31 Mar 2023 15:58

Instrument :

MSVOA_X

ClientSampleId :

MW-8

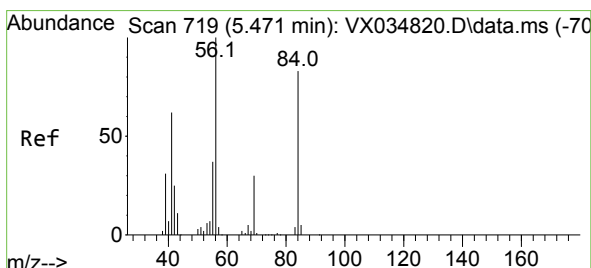
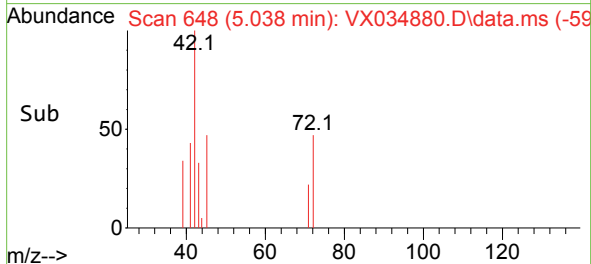
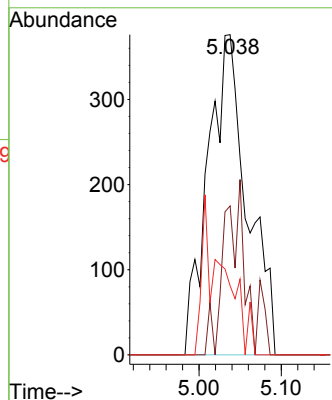
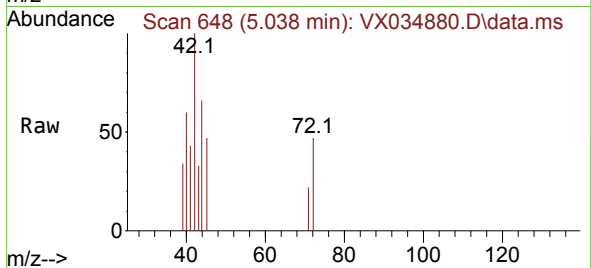
Tgt Ion: 42 Resp: 1249

Ion Ratio Lower Upper

42 100

72 27.1 34.5 51.7#

71 0.0 32.1 48.1#



#31

Cyclohexane

Concen: 1.389 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX034880.D

Acq: 31 Mar 2023 15:58

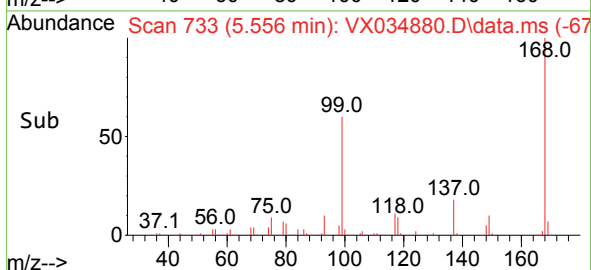
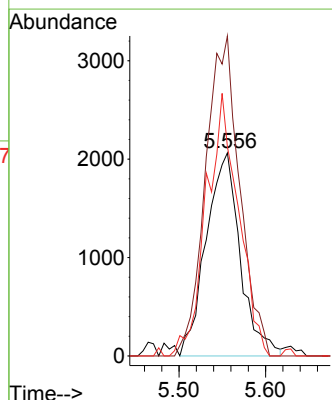
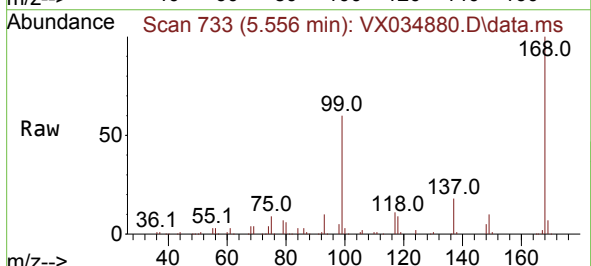
Tgt Ion: 56 Resp: 5649

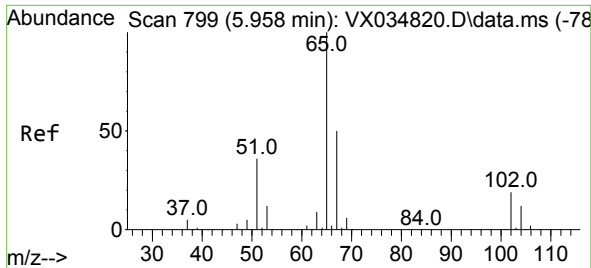
Ion Ratio Lower Upper

56 100

69 157.6 23.7 35.5#

84 103.1 68.5 102.7#

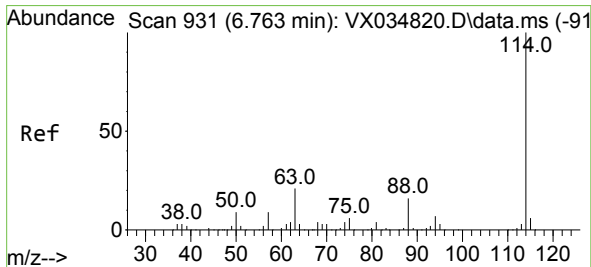
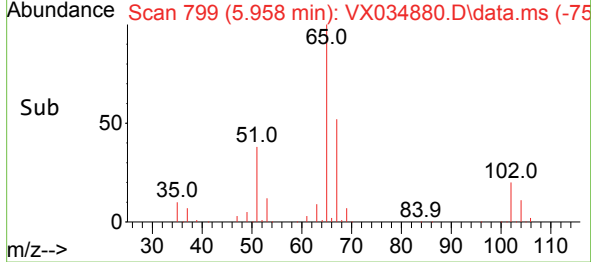
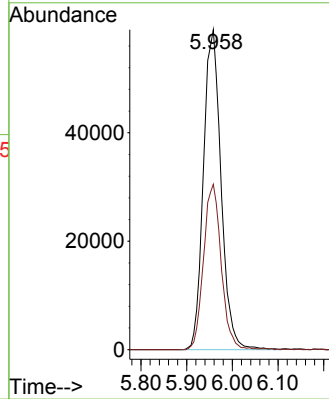
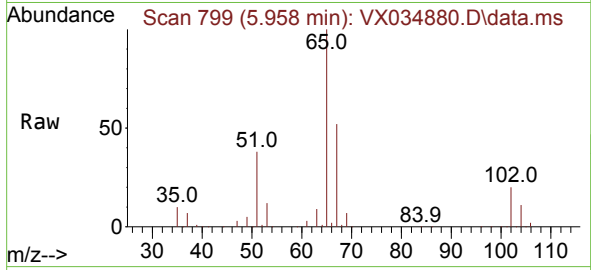




#33
1,2-Dichloroethane-d4
Concen: 47.366 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

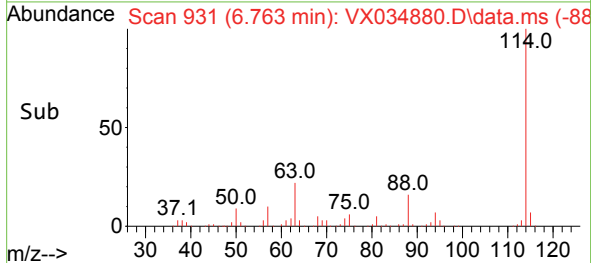
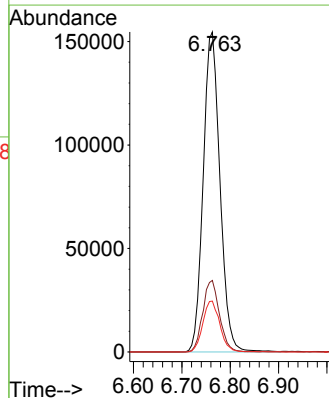
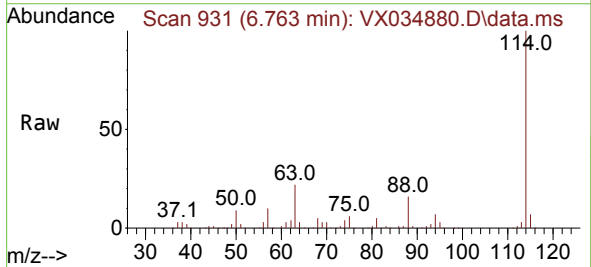
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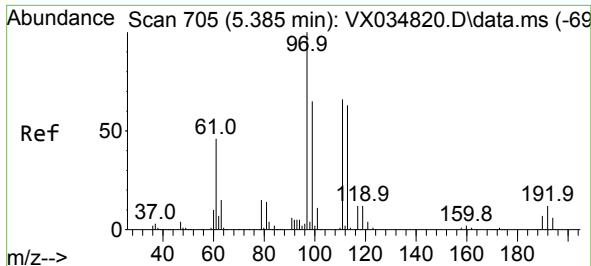
Tgt Ion: 65 Resp: 158178
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

Tgt Ion:114 Resp: 372293
Ion Ratio Lower Upper
114 100
63 22.4 0.0 42.2
88 15.9 0.0 33.2

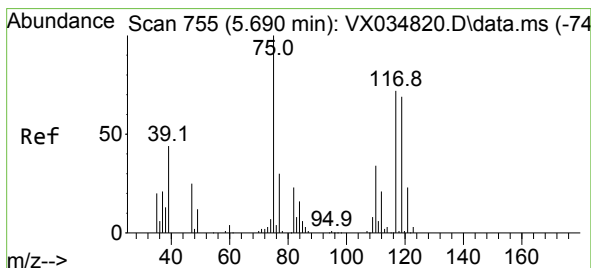
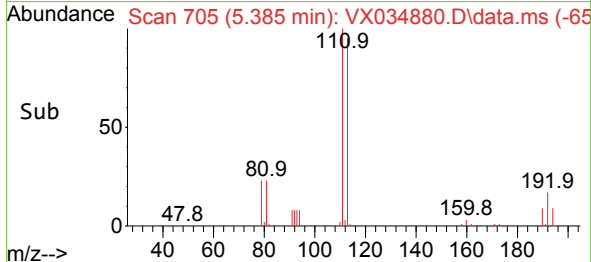
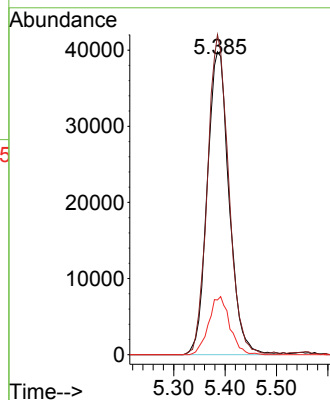
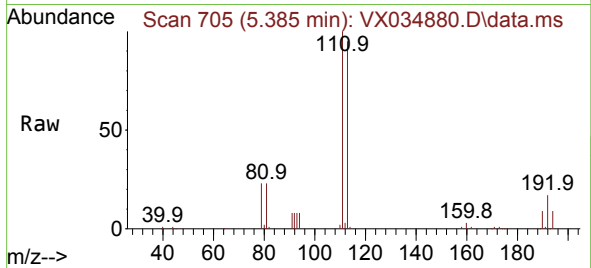




#35
Dibromofluoromethane
Concen: 47.715 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

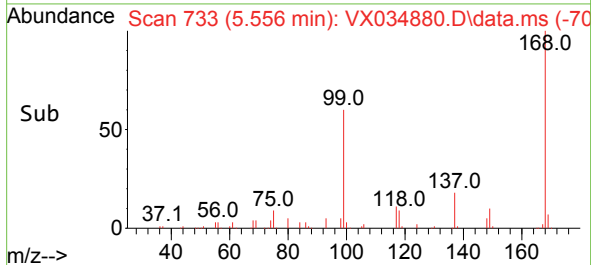
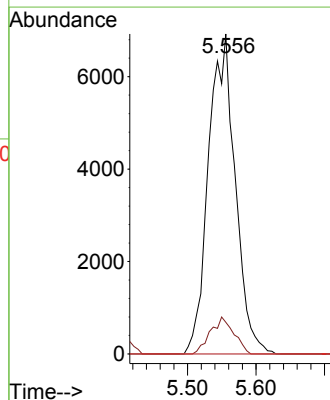
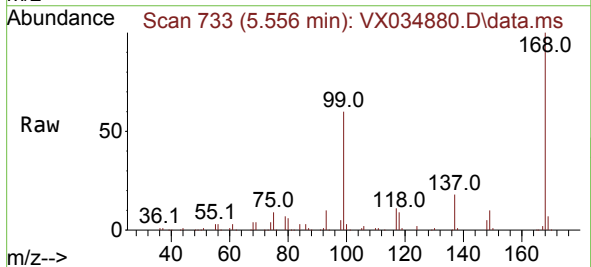
Instrument :
MSVOA_X
ClientSampleId :
MW-8

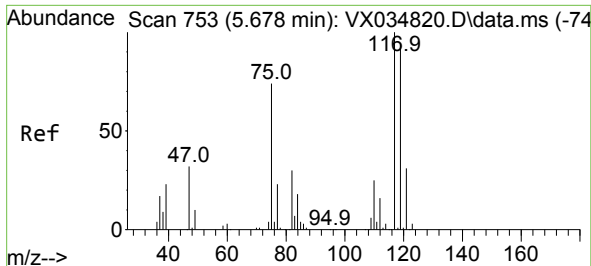
Tgt Ion:113 Resp: 117495
Ion Ratio Lower Upper
113 100
111 102.8 83.7 125.5
192 18.6 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.149 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

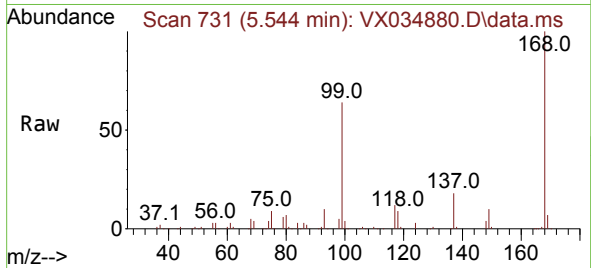
Tgt Ion: 75 Resp: 18783
Ion Ratio Lower Upper
75 100
110 10.1 17.5 52.5#
77 0.0 24.3 36.5#



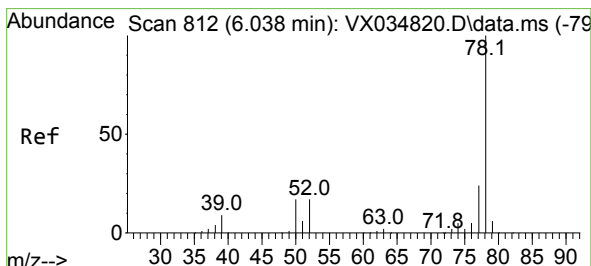
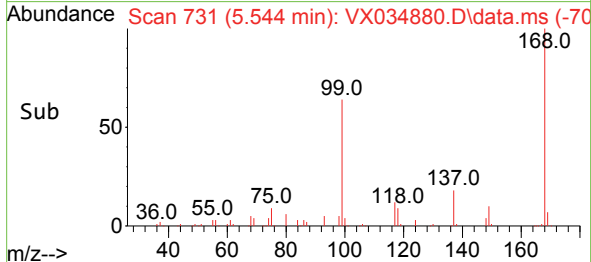
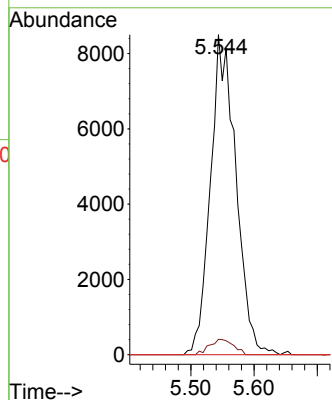


#38
Carbon Tetrachloride
Concen: 6.893 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

Instrument :
MSVOA_X
ClientSampleId :
MW-8

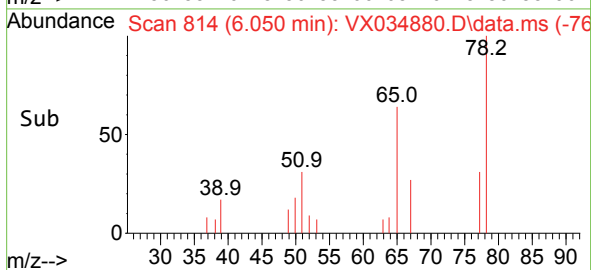
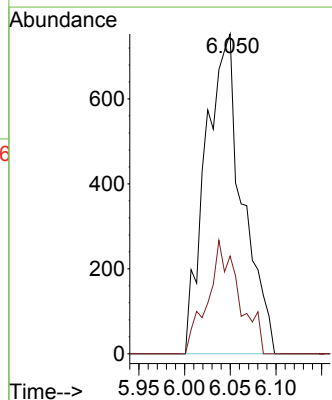
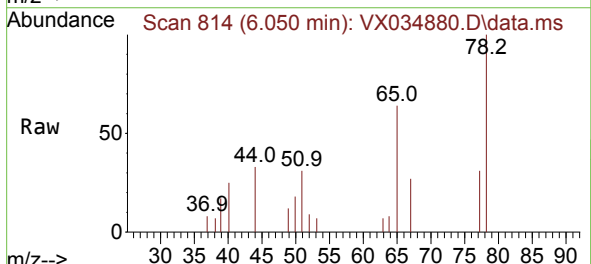


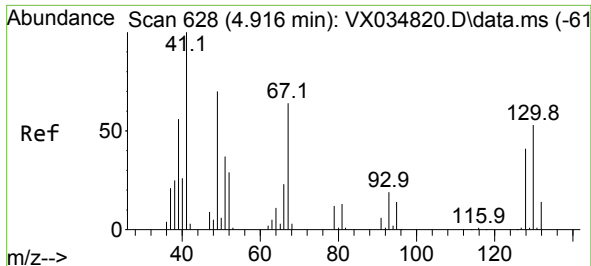
Tgt Ion:117 Resp: 23708
Ion Ratio Lower Upper
117 100
119 4.8 76.6 114.8#
121 0.0 23.8 35.6#



#40
Benzene
Concen: 0.202 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.012 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

Tgt Ion: 78 Resp: 2114
Ion Ratio Lower Upper
78 100
77 30.5 19.0 28.4#

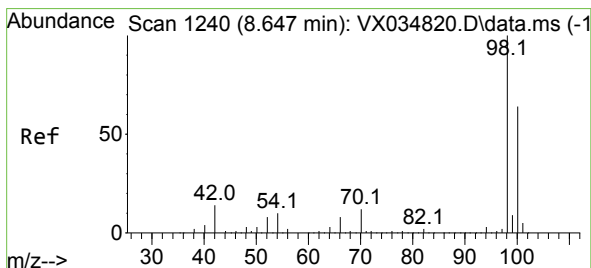
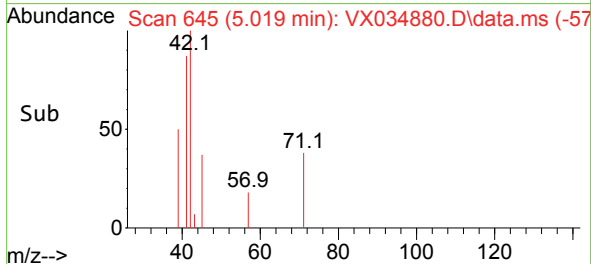
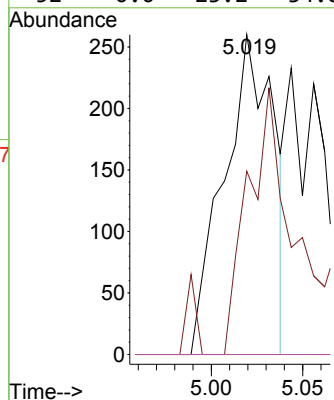
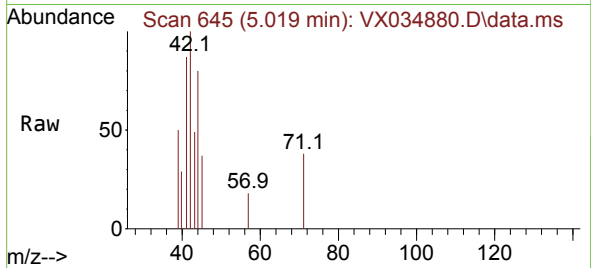




#41
Methacrylonitrile
Concen: 0.239 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.104 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

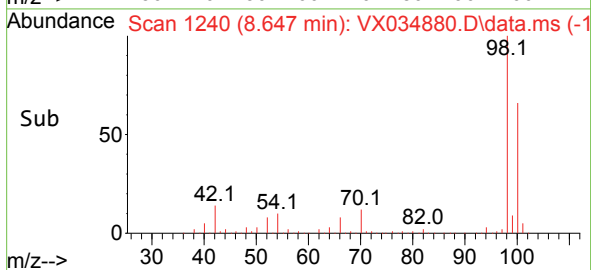
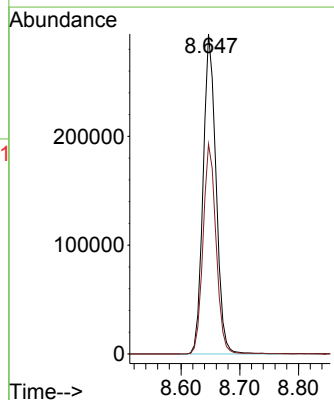
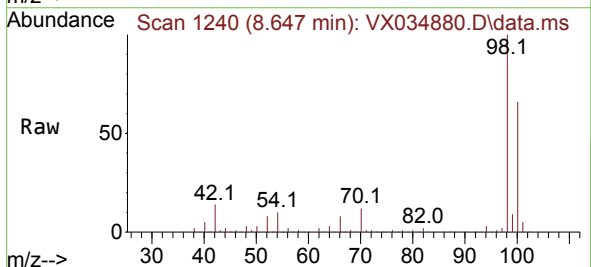
Instrument :
MSVOA_X
ClientSampleId :
MW-8

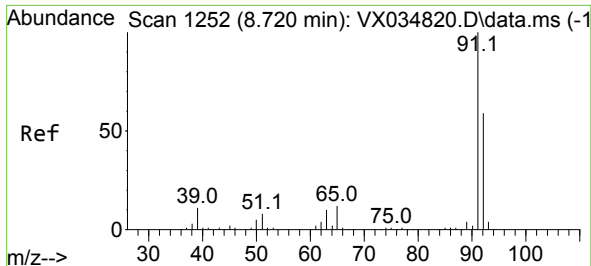
Tgt Ion: 41 Resp: 495
Ion Ratio Lower Upper
41 100
39 85.1 45.0 67.6#
67 0.0 55.6 83.4#
52 0.0 23.2 34.8#



#50
Toluene-d8
Concen: 49.522 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

Tgt Ion: 98 Resp: 450100
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7

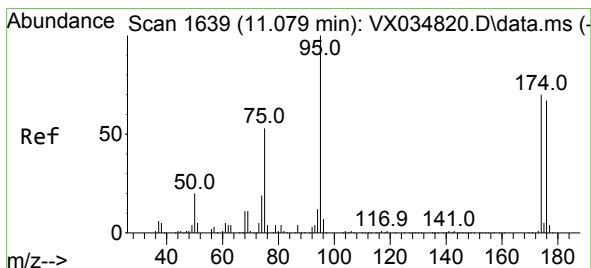
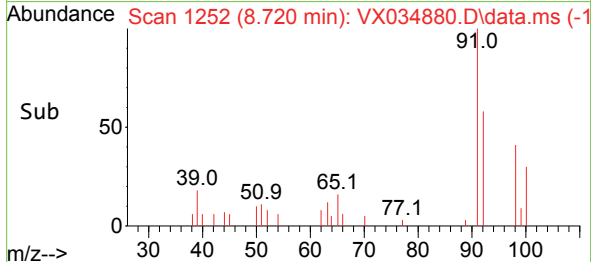
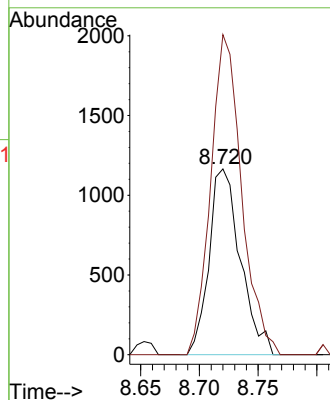
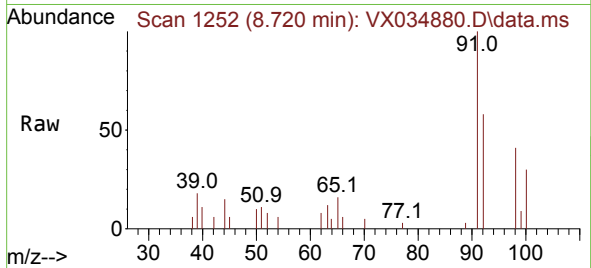




#52
Toluene
Concen: 0.317 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

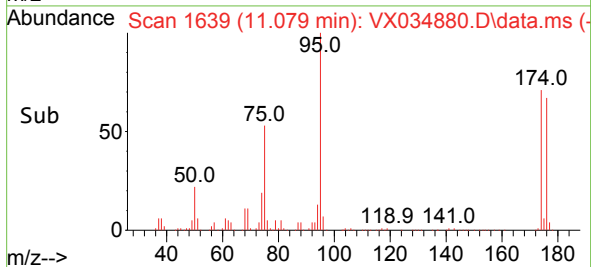
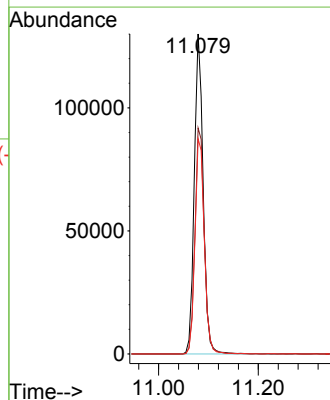
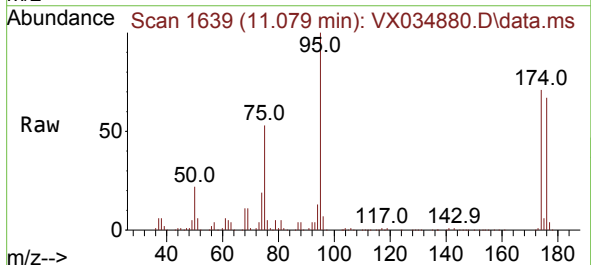
Instrument :
MSVOA_X
ClientSampleId :
MW-8

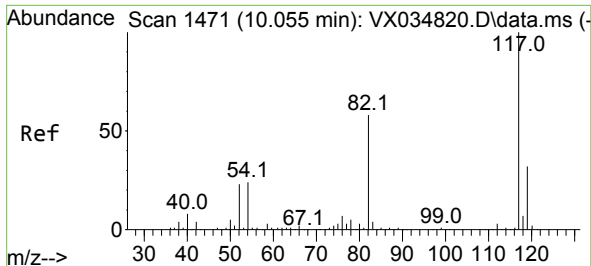
Tgt Ion: 92 Resp: 2162
Ion Ratio Lower Upper
92 100
91 170.1 136.8 205.2



#62
4-Bromofluorobenzene
Concen: 45.627 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

Tgt Ion: 95 Resp: 160479
Ion Ratio Lower Upper
95 100
174 73.9 0.0 147.4
176 70.7 0.0 140.6

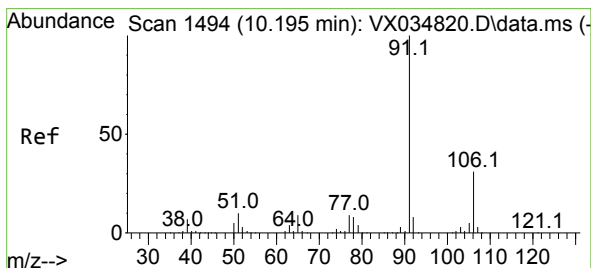
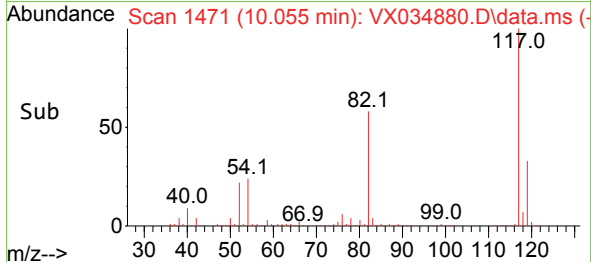
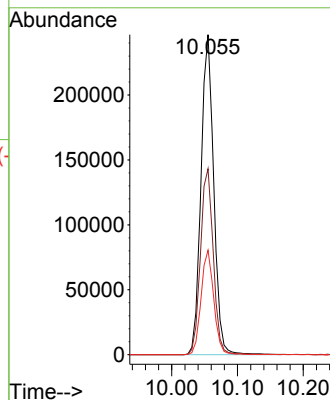
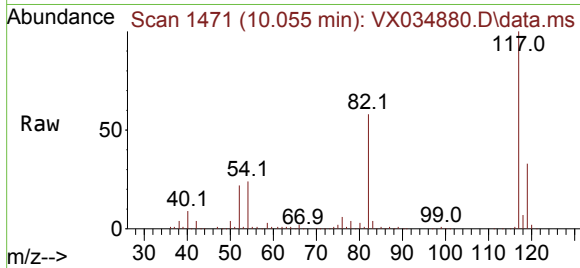




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

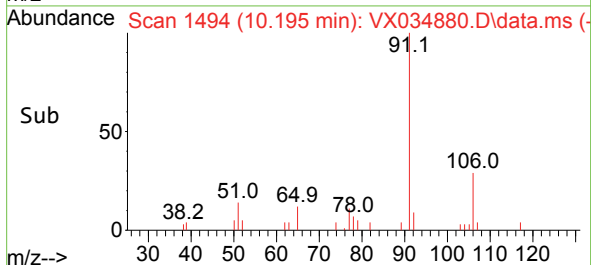
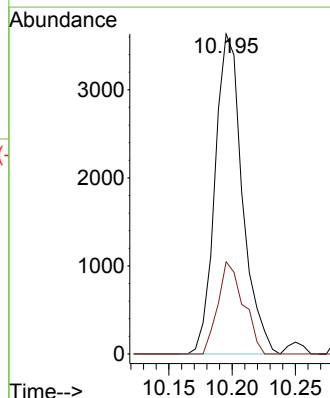
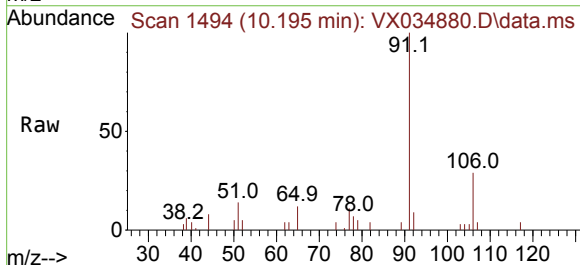
Instrument :
MSVOA_X
ClientSampleId :
MW-8

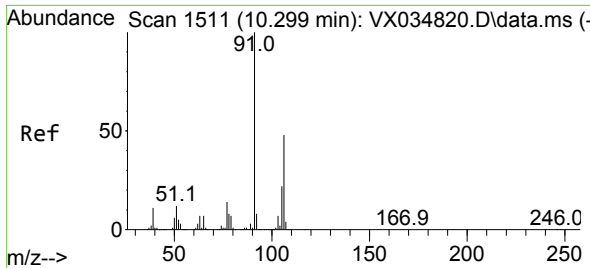
Tgt Ion:117 Resp: 331031
Ion Ratio Lower Upper
117 100
82 58.1 45.0 67.4
119 32.6 26.0 39.0



#67
Ethyl Benzene
Concen: 0.438 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

Tgt Ion: 91 Resp: 5459
Ion Ratio Lower Upper
91 100
106 28.8 25.6 38.4

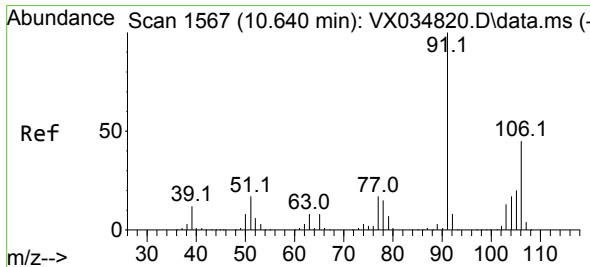
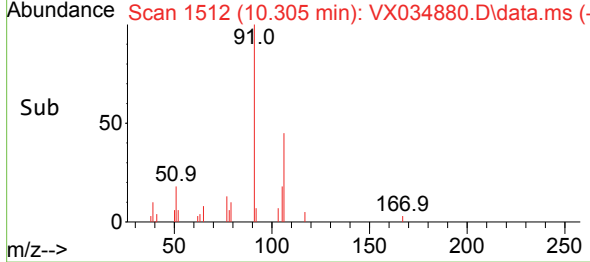
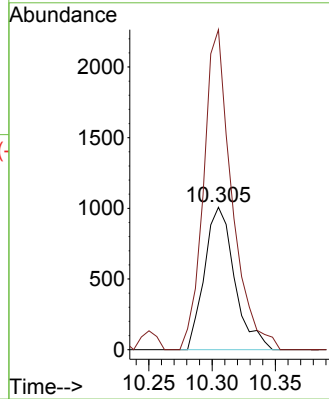
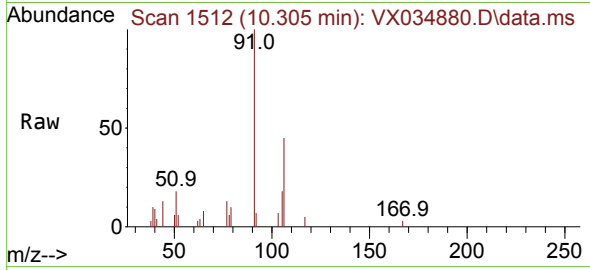




#68
m/p-Xylenes
Concen: 0.350 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

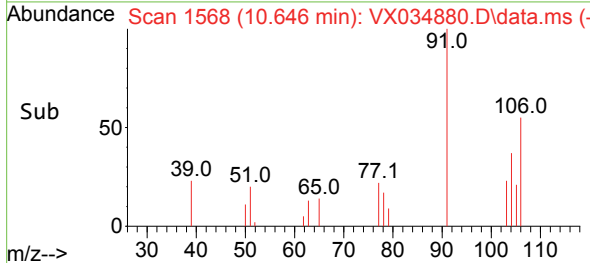
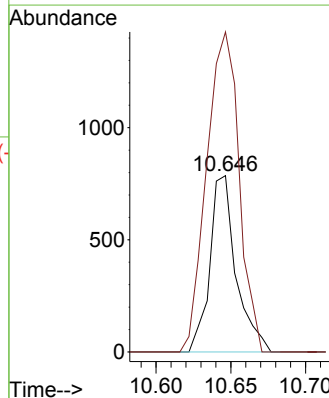
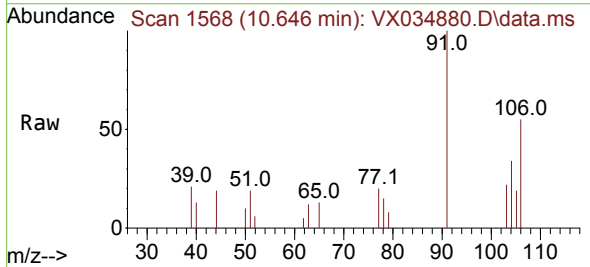
Instrument :
MSVOA_X
ClientSampleId :
MW-8

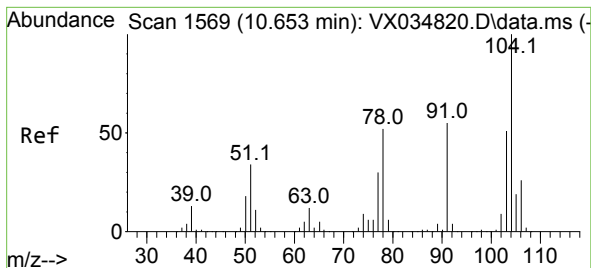
Tgt Ion:106 Resp: 1666
Ion Ratio Lower Upper
106 100
91 211.6 164.0 246.0



#69
o-Xylene
Concen: 0.205 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

Tgt Ion:106 Resp: 957
Ion Ratio Lower Upper
106 100
91 225.2 108.5 325.3





#70

Styrene

Concen: 0.355 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX034880.D

Acq: 31 Mar 2023 15:58

Instrument :

MSVOA_X

ClientSampleId :

MW-8

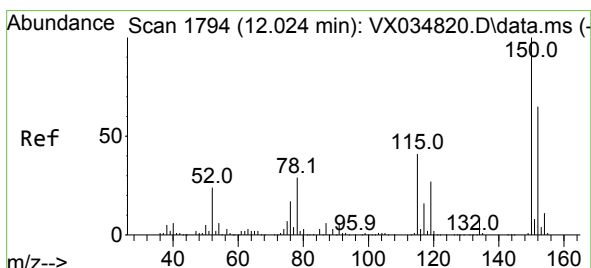
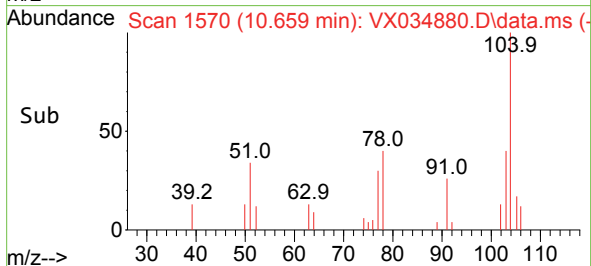
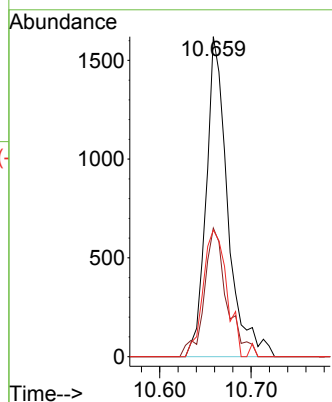
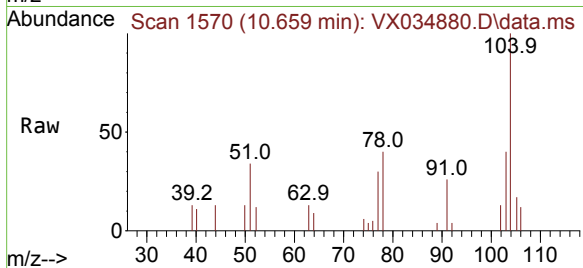
Tgt Ion:104 Resp: 2648

Ion Ratio Lower Upper

104 100

78 42.3 43.4 65.2#

103 43.2 44.2 66.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX034880.D

Acq: 31 Mar 2023 15:58

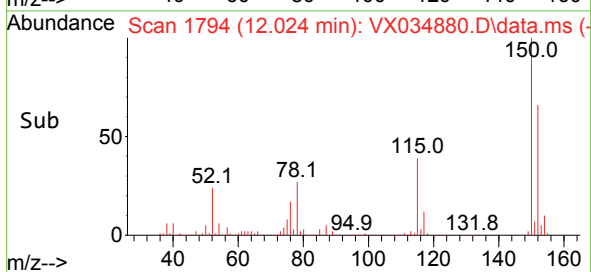
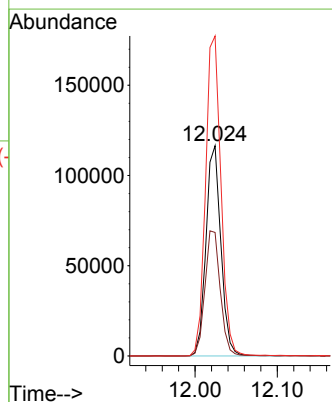
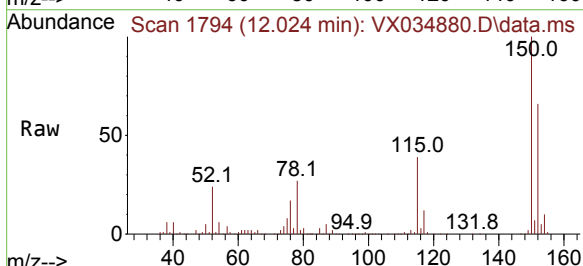
Tgt Ion:152 Resp: 146898

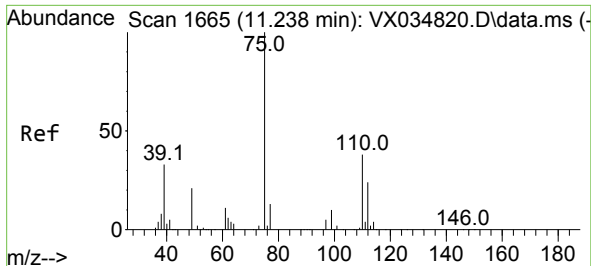
Ion Ratio Lower Upper

152 100

115 61.2 45.0 135.0

150 156.8 0.0 352.4

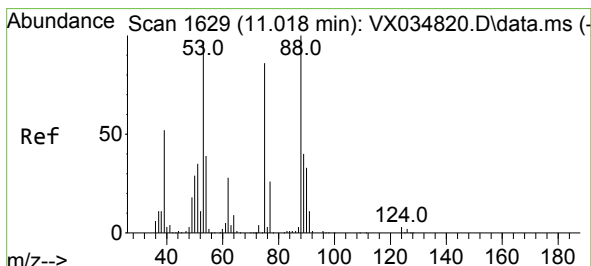
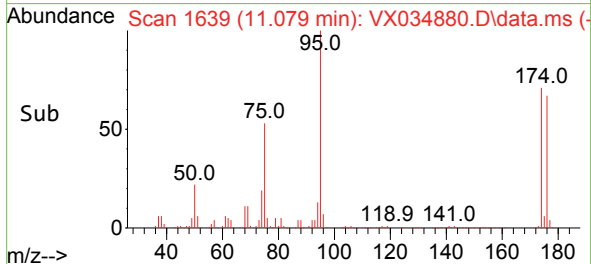
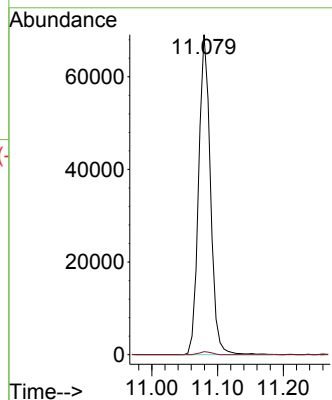
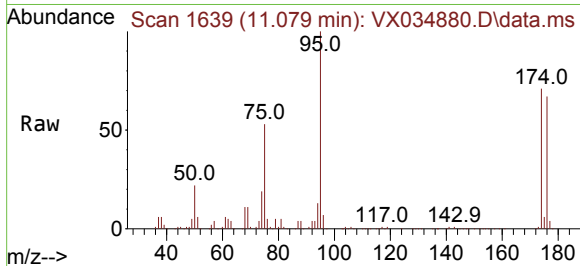




#76
1,2,3-Trichloropropane
Concen: 29.152 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

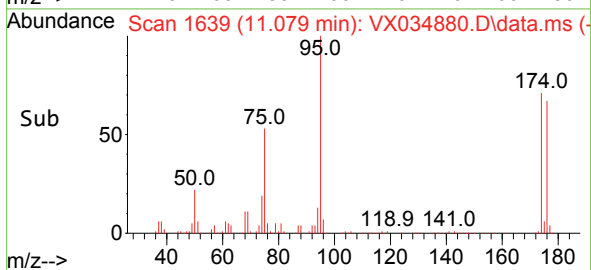
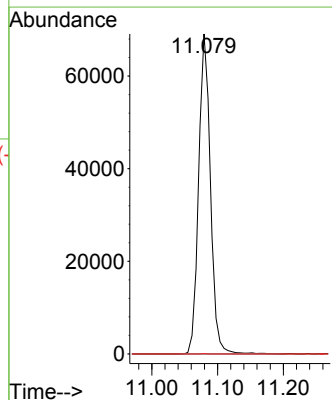
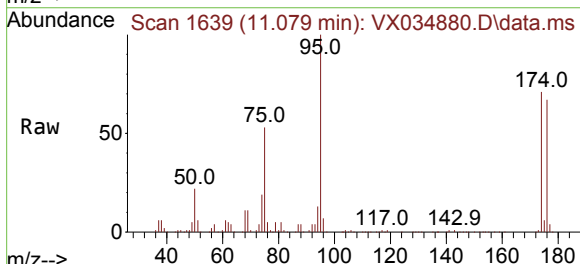
Instrument :
MSVOA_X
ClientSampleId :
MW-8

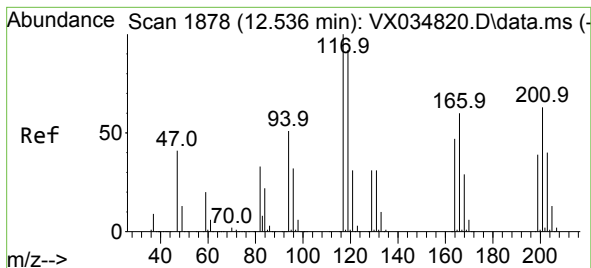
Tgt Ion: 75 Resp: 86288
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.368 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034880.D
Acq: 31 Mar 2023 15:58

Tgt Ion: 75 Resp: 86288
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#





#90

Hexachloroethane

Concen: 0.282 ug/l

RT: 12.695 min Scan# 11

Delta R.T. 0.159 min

Lab File: VX034880.D

Acq: 31 Mar 2023 15:58

Instrument :

MSVOA_X

ClientSampleId :

MW-8

Tgt Ion:117 Resp: 375

Ion Ratio Lower Upper

117 100

201 0.0 34.4 103.1#

