

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070224\
 Data File : VX042148.D
 Acq On : 02 Jul 2024 18:29
 Operator : JC/MD
 Sample : P3119-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW16D-20240627

Quant Time: Jul 03 03:38:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	145523	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	229382	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102237	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76466	45.568	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.140%
35) Dibromofluoromethane	5.385	113	73674	45.266	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.540%
50) Toluene-d8	8.647	98	261914	45.807	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.620%#
62) 4-Bromofluorobenzene	11.079	95	95613	45.363	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.720%

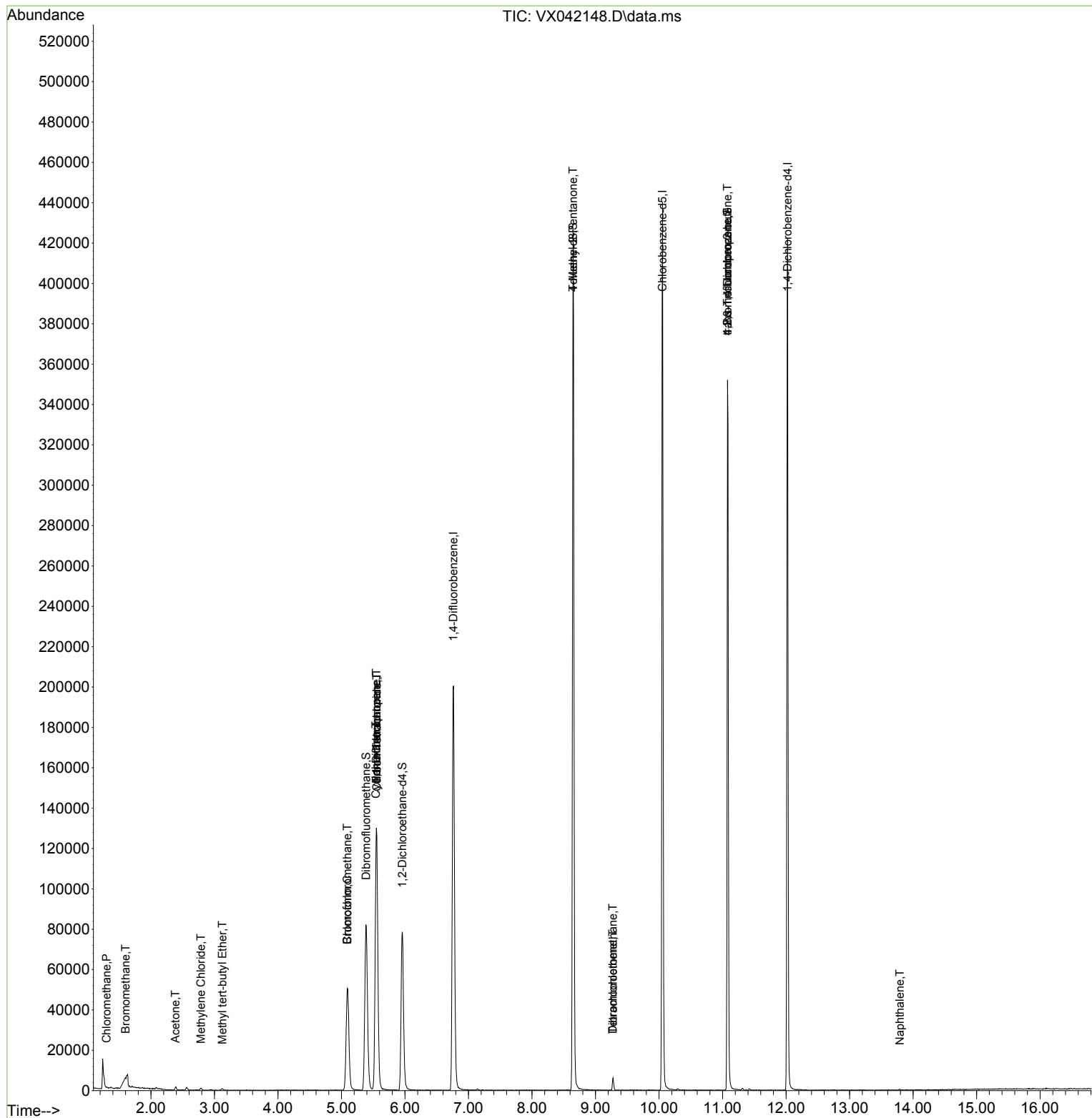
Target Compounds					Qvalue	
3) Chloromethane	1.301	50	279	0.201	ug/l	# 43
5) Bromomethane	1.599	94	151	0.219	ug/l	82
6) Chloroethane	1.666	64	50	Below Cal	#	43
16) Acetone	2.386	43	1837	2.493	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	871	0.210	ug/l	# 84
20) Methylene Chloride	2.788	84	536	0.332	ug/l	# 78
28) Bromochloromethane	5.093	49	4261	4.222	ug/l	# 16
30) Chloroform	5.093	83	65012	26.483	ug/l	98
31) Cyclohexane	5.544	56	1889	0.963	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	8097	4.685	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	12307	6.445	ug/l	# 15
51) 4-Methyl-2-Pentanone	8.647	43	963	0.405	ug/l	# 1
60) Dibromochloromethane	9.275	129	928	0.552	ug/l	# 11
64) Tetrachloroethene	9.275	164	1204	0.748	ug/l	# 78
76) 1,2,3-Trichloropropane	11.079	75	43667	23.527	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	43667	66.815	ug/l	# 5
95) Naphthalene	13.792	128	583	0.826	ug/l	# 69

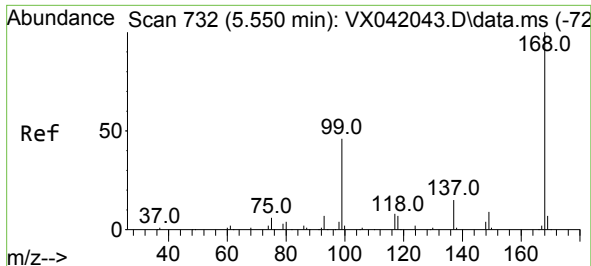
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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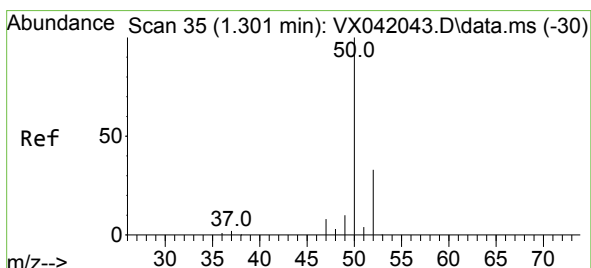
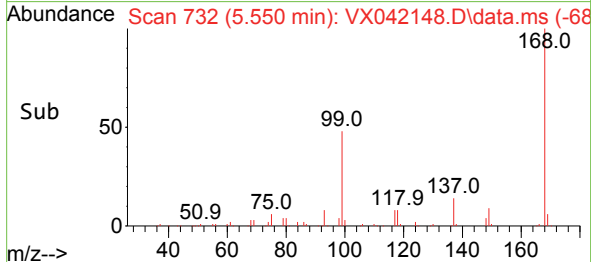
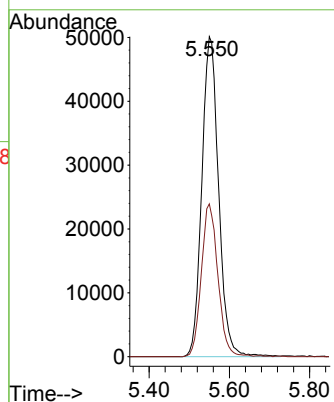
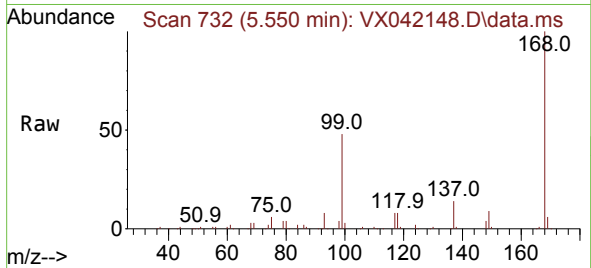




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042148.D
Acq: 02 Jul 2024 18:29

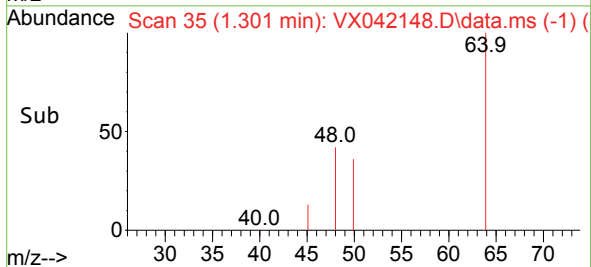
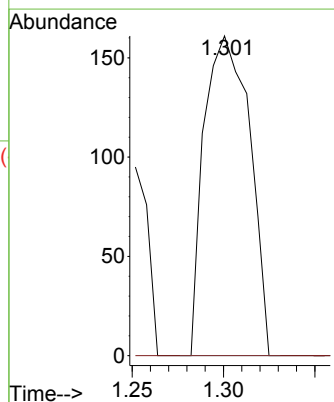
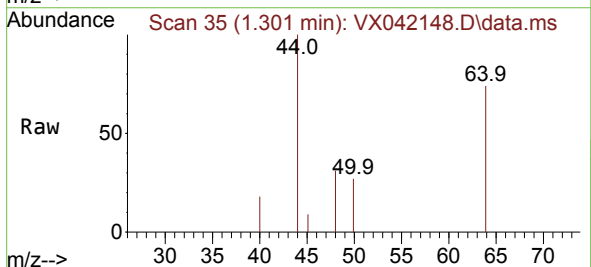
Instrument :
MSVOA_X
ClientSampleId :
MW16D-20240627

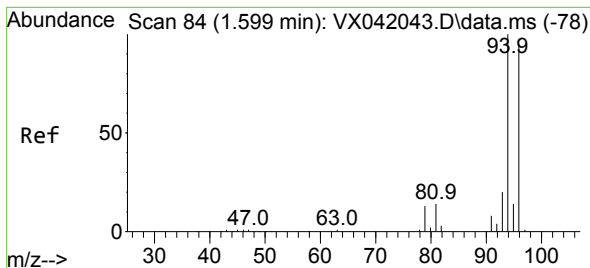
Tgt Ion:168 Resp: 145523
Ion Ratio Lower Upper
168 100
99 47.7 56.6 85.0#



#3
Chloromethane
Concen: 0.201 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX042148.D
Acq: 02 Jul 2024 18:29

Tgt Ion: 50 Resp: 279
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#





#5

Bromomethane

Concen: 0.219 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX042148.D

Acq: 02 Jul 2024 18:29

Instrument :

MSVOA_X

ClientSampleId :

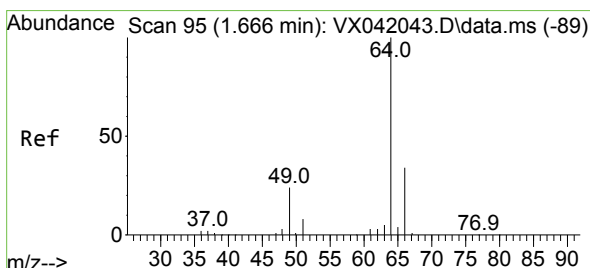
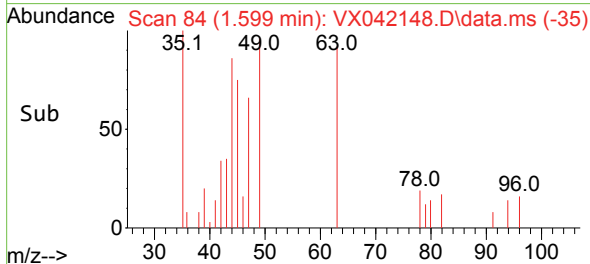
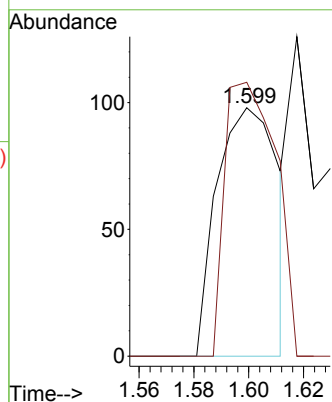
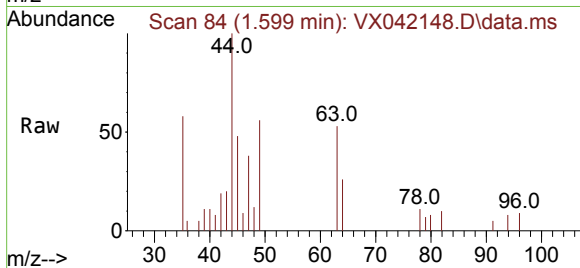
MW16D-20240627

Tgt Ion: 94 Resp: 151

Ion Ratio Lower Upper

94 100

96 110.2 74.6 111.8



#6

Chloroethane

Concen: Below Cal

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX042148.D

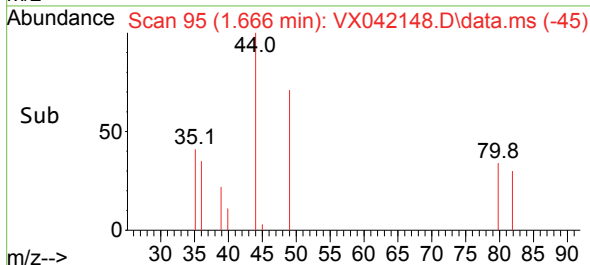
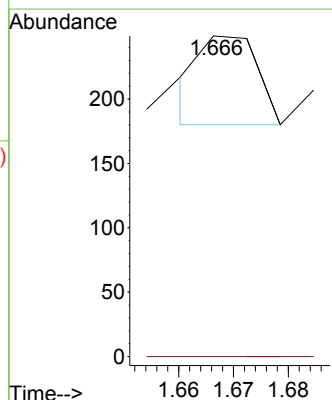
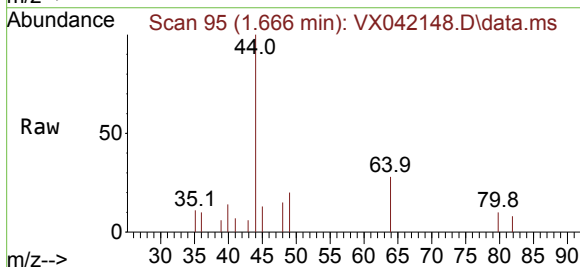
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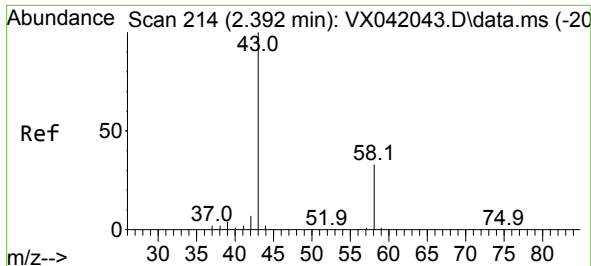
Tgt Ion: 64 Resp: 50

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#





#16

Acetone

Concen: 2.493 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.012 min

Lab File: VX042148.D

Acq: 02 Jul 2024 18:29

Instrument :

MSVOA_X

ClientSampleId :

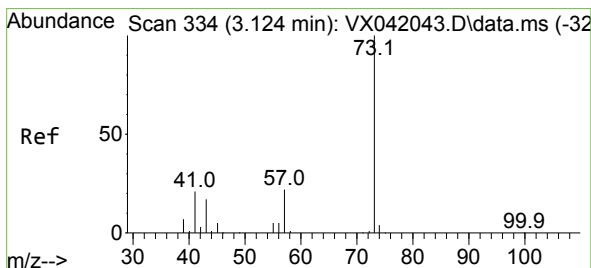
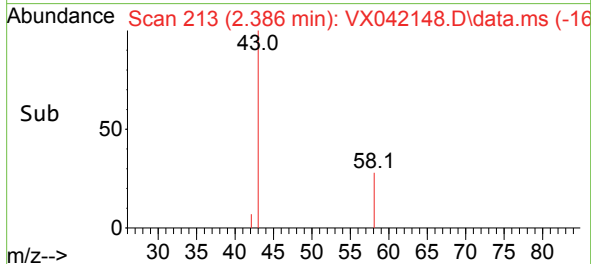
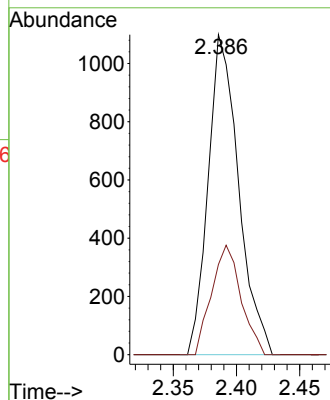
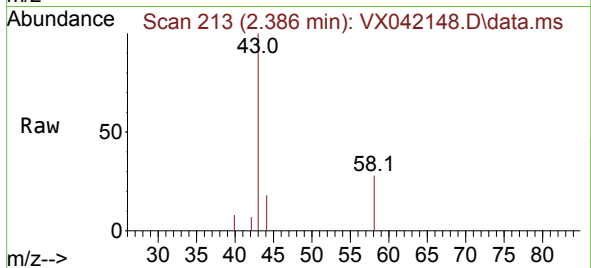
MW16D-20240627

Tgt Ion: 43 Resp: 1837

Ion Ratio Lower Upper

43 100

58 28.2 21.9 32.9



#19

Methyl tert-butyl Ether

Concen: 0.210 ug/l

RT: 3.123 min Scan# 334

Delta R.T. 0.000 min

Lab File: VX042148.D

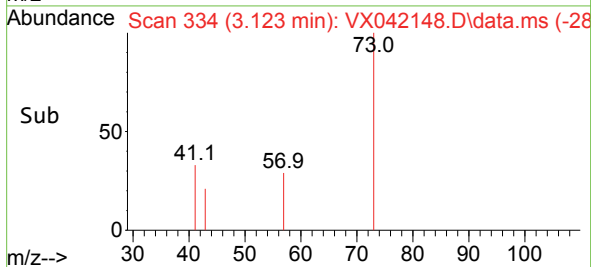
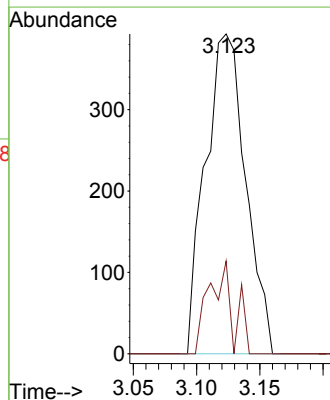
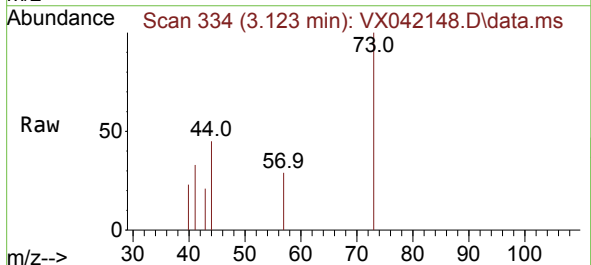
Acq: 02 Jul 2024 18:29

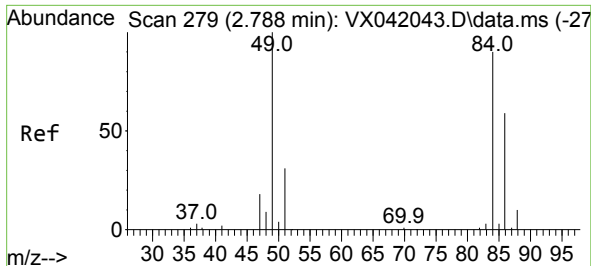
Tgt Ion: 73 Resp: 871

Ion Ratio Lower Upper

73 100

57 29.0 17.3 25.9#

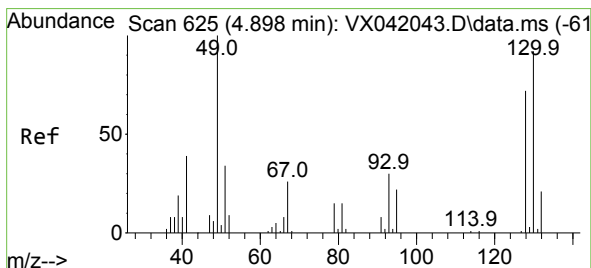
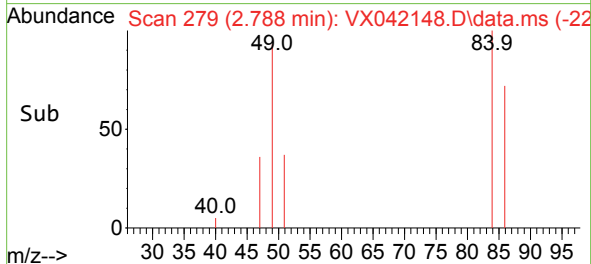
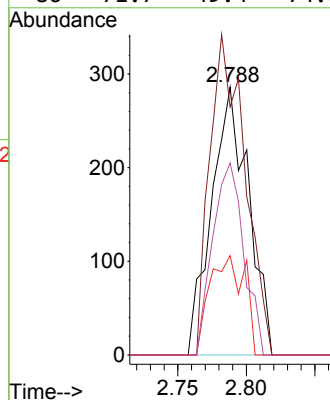
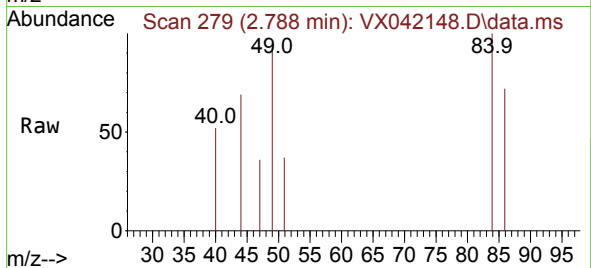




#20
Methylene Chloride
Concen: 0.332 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042148.D
Acq: 02 Jul 2024 18:29

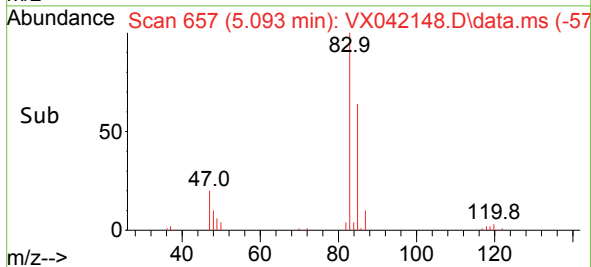
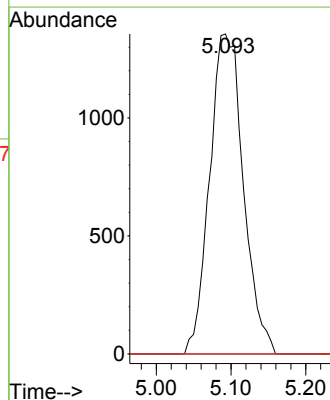
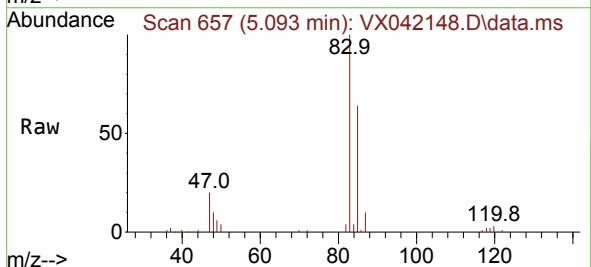
Instrument :
MSVOA_X
ClientSampleId :
MW16D-20240627

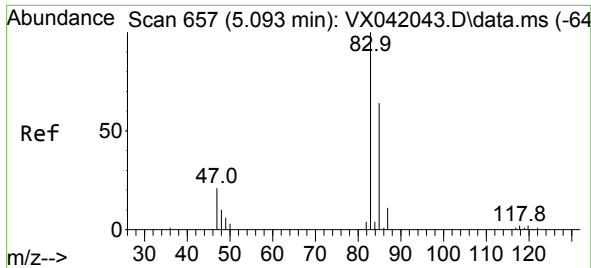
Tgt Ion: 84	Resp: 536
Ion Ratio	Lower Upper
84 100	
49 92.7	103.6 155.4#
51 37.1	33.8 50.6
86 71.7	49.4 74.0



#28
Bromochloromethane
Concen: 4.222 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.189 min
Lab File: VX042148.D
Acq: 02 Jul 2024 18:29

Tgt Ion: 49	Resp: 4261
Ion Ratio	Lower Upper
49 100	
129 0.0	0.0 3.8
130 0.0	57.5 86.3#

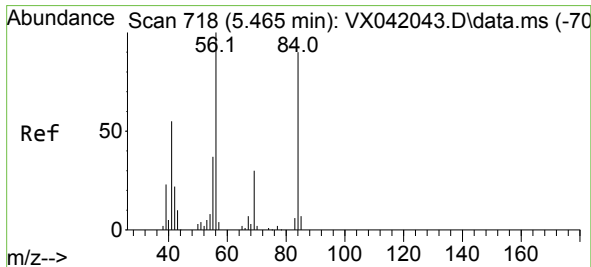
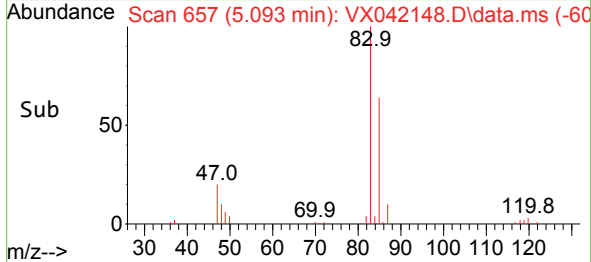
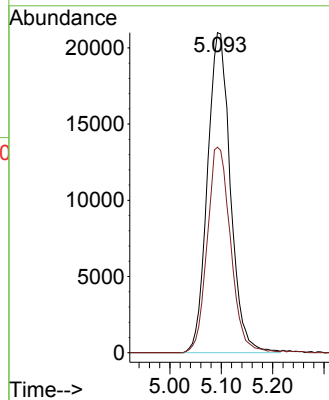
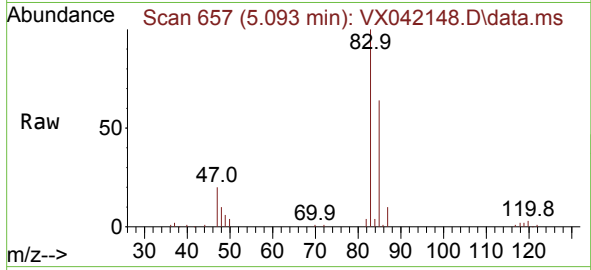




#30
Chloroform
Concen: 26.483 ug/l
RT: 5.093 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX042148.D
Acq: 02 Jul 2024 18:29

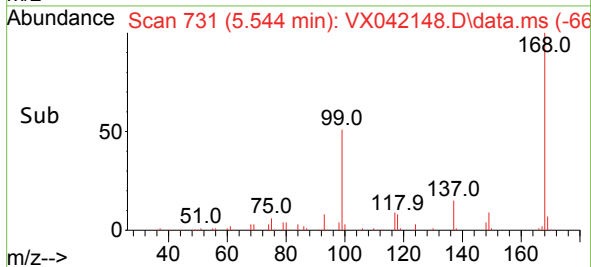
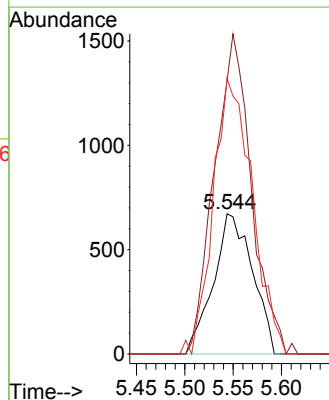
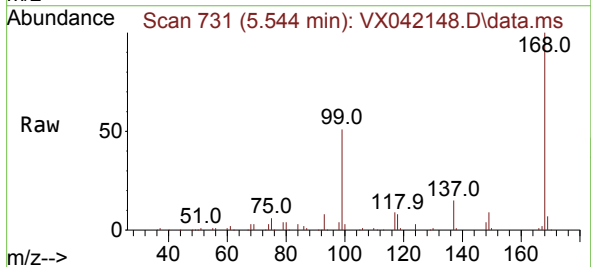
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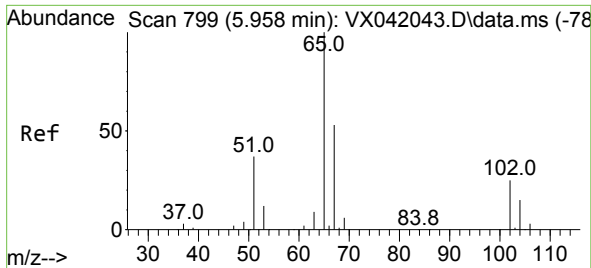
Tgt Ion: 83 Resp: 65012
Ion Ratio Lower Upper
83 100
85 64.2 50.3 75.5



#31
Cyclohexane
Concen: 0.963 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX042148.D
Acq: 02 Jul 2024 18:29

Tgt Ion: 56 Resp: 1889
Ion Ratio Lower Upper
56 100
69 195.1 23.4 35.2#
84 196.6 65.9 98.9#

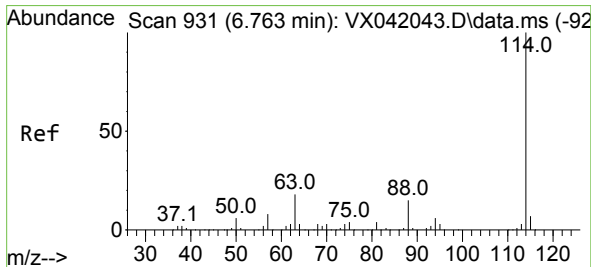
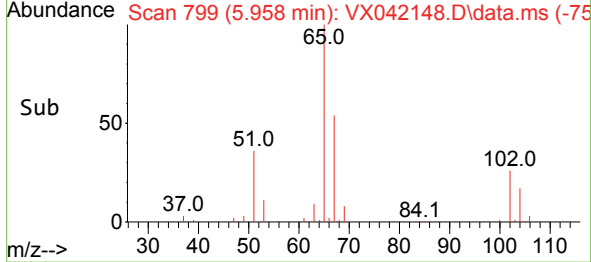
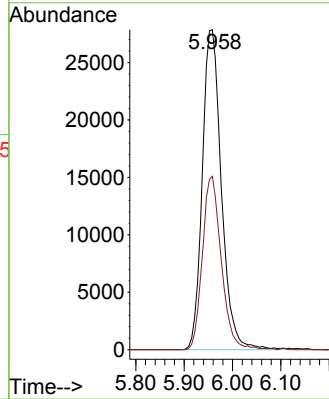
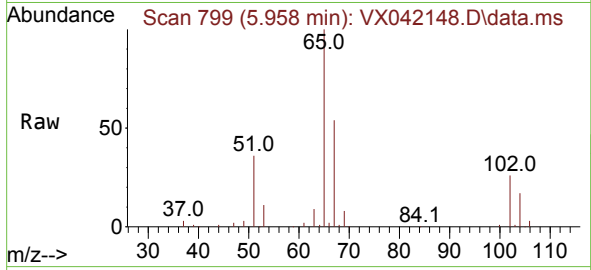




#33
1,2-Dichloroethane-d4
Concen: 45.568 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042148.D
Acq: 02 Jul 2024 18:29

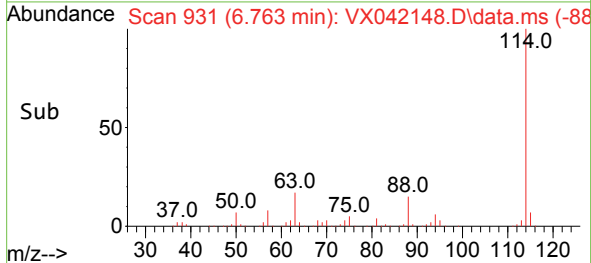
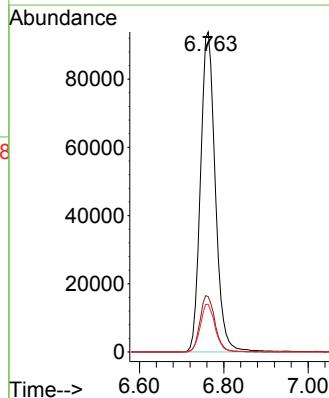
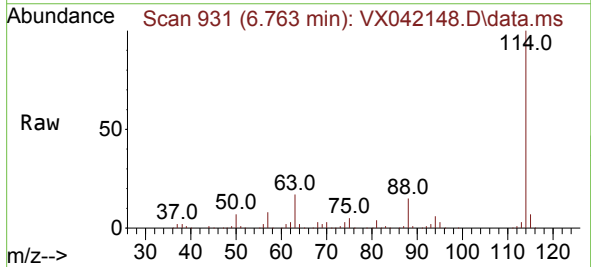
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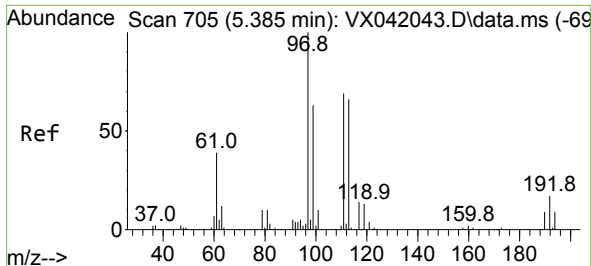
Tgt Ion: 65 Resp: 76466
Ion Ratio Lower Upper
65 100
67 53.6 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX042148.D
Acq: 02 Jul 2024 18:29

Tgt Ion: 114 Resp: 229382
Ion Ratio Lower Upper
114 100
63 17.3 0.0 45.0
88 14.9 0.0 36.6

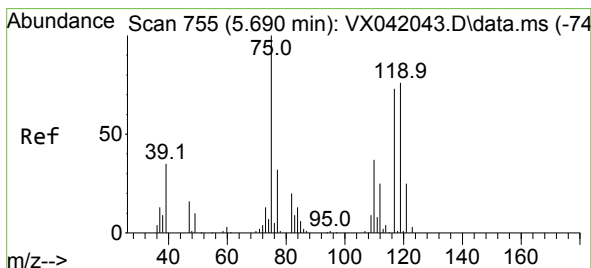
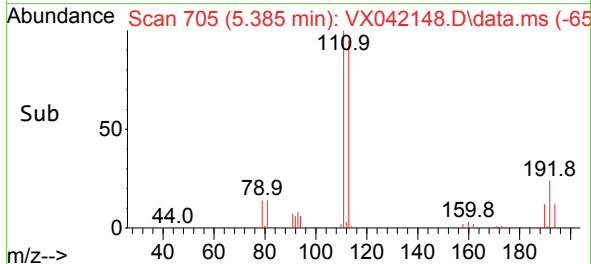
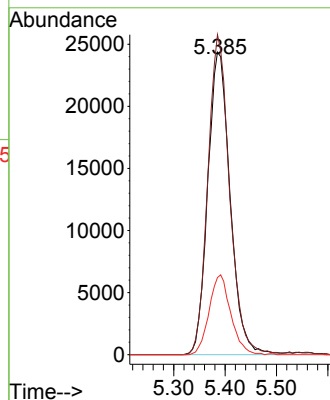
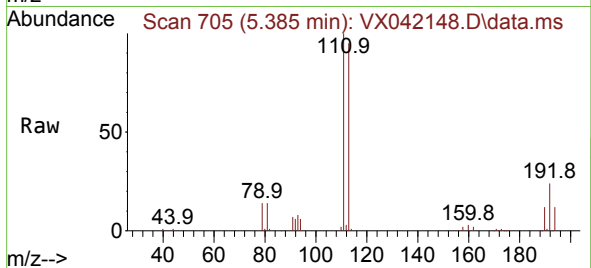




#35
Dibromofluoromethane
Concen: 45.266 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042148.D
Acq: 02 Jul 2024 18:29

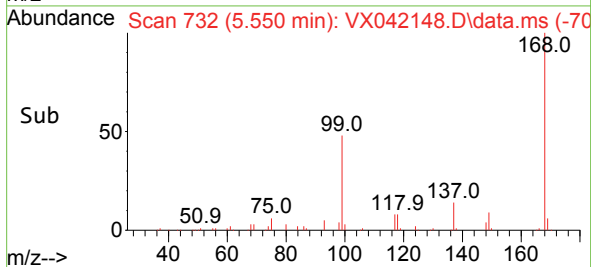
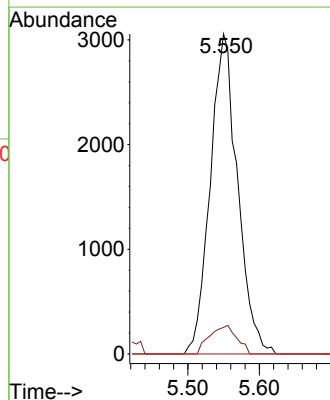
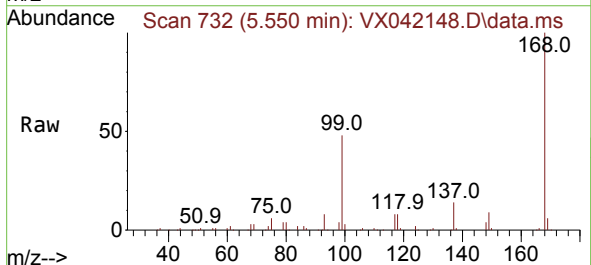
Instrument :
MSVOA_X
ClientSampleId :
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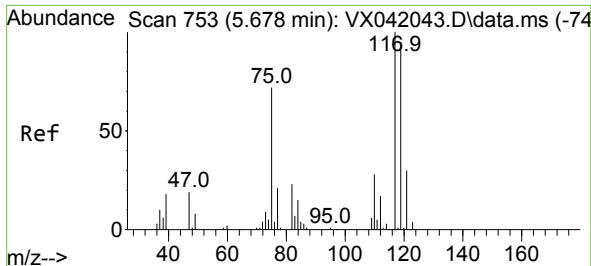
Tgt Ion:113 Resp: 73674
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 25.5 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.685 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX042148.D
Acq: 02 Jul 2024 18:29

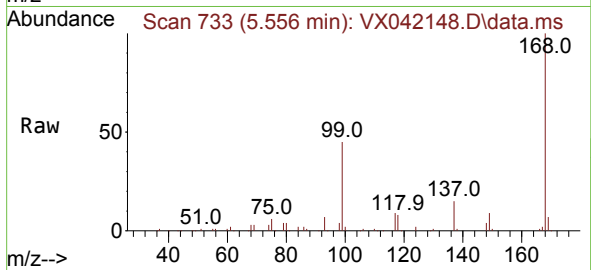
Tgt Ion: 75 Resp: 8097
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



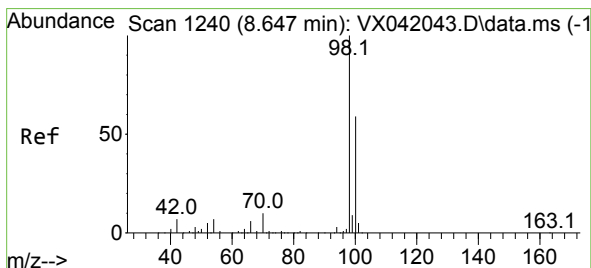
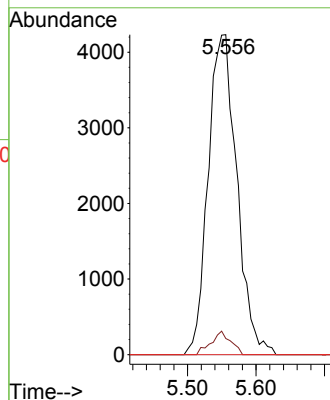
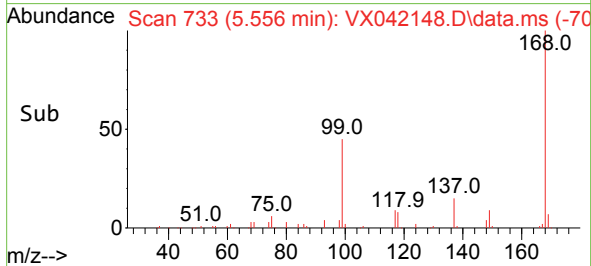


#38
Carbon Tetrachloride
Concen: 6.445 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX042148.D
Acq: 02 Jul 2024 18:29

Instrument :
MSVOA_X
ClientSampleId :
MW16D-20240627

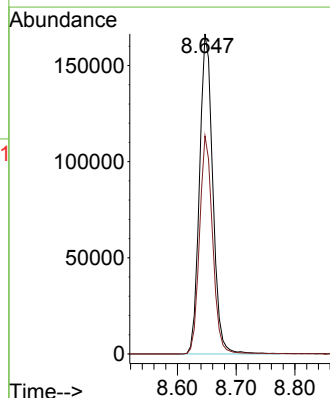
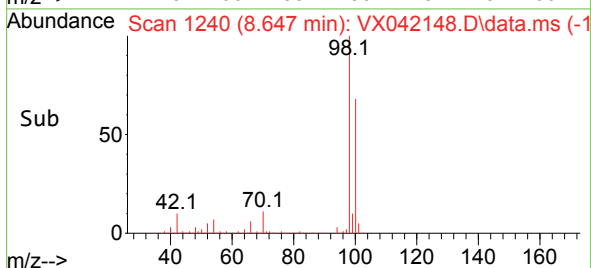
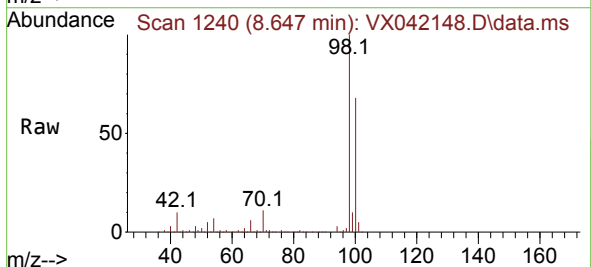


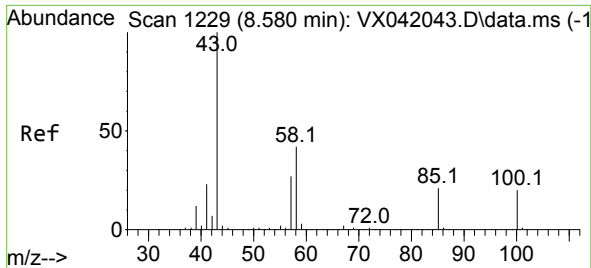
Tgt Ion:117 Resp: 12307
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 45.807 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042148.D
Acq: 02 Jul 2024 18:29

Tgt Ion: 98 Resp: 261914
Ion Ratio Lower Upper
98 100
100 67.2 53.1 79.7

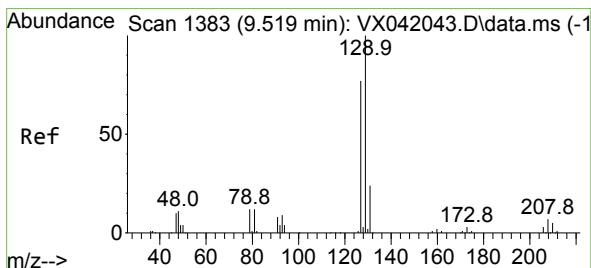
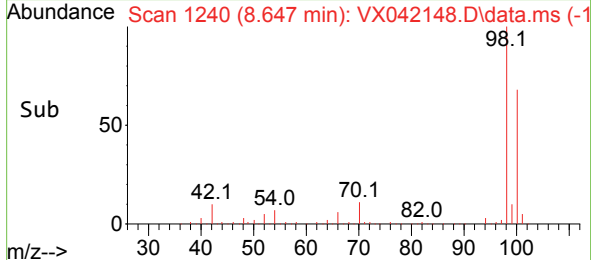
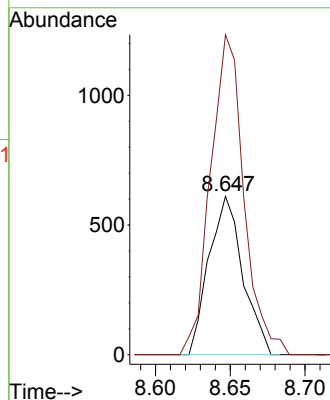
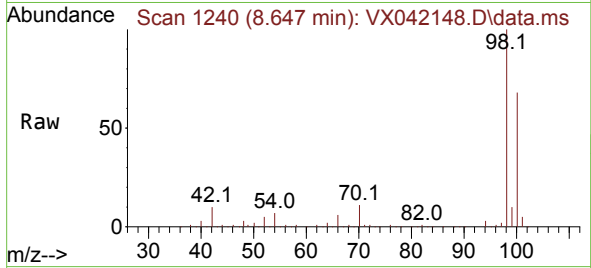




#51
4-Methyl-2-Pentanone
Concen: 0.405 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX042148.D
Acq: 02 Jul 2024 18:29

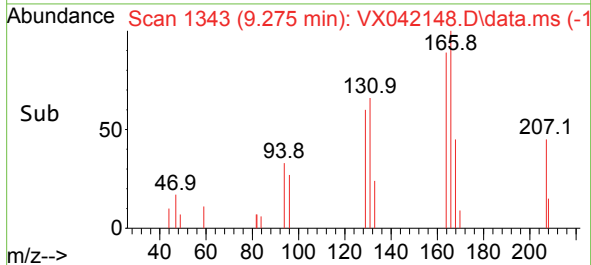
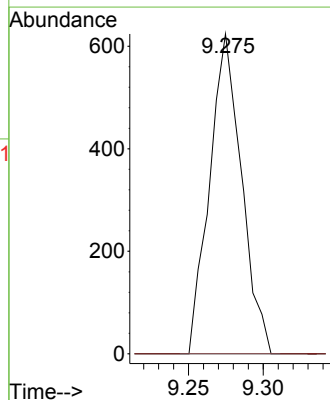
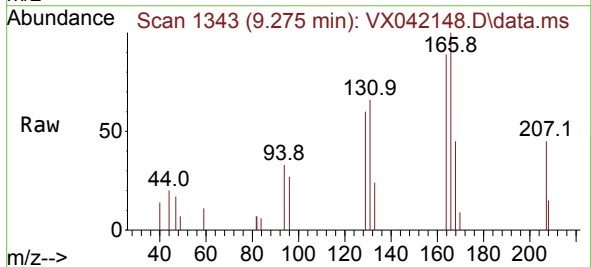
Instrument :
MSVOA_X
ClientSampleId :
MW16D-20240627

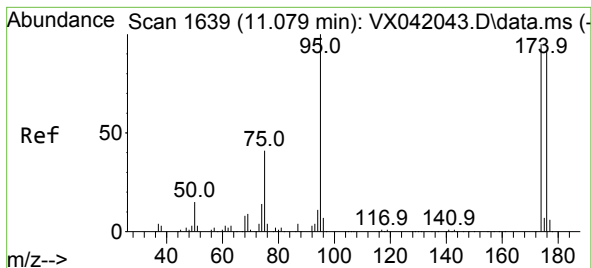
Tgt Ion: 43 Resp: 963
Ion Ratio Lower Upper
43 100
58 199.0 30.4 45.6#



#60
Dibromochloromethane
Concen: 0.552 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX042148.D
Acq: 02 Jul 2024 18:29

Tgt Ion: 129 Resp: 928
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#





#62

4-Bromofluorobenzene

Concen: 45.363 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX042148.D

Acq: 02 Jul 2024 18:29

Instrument :

MSVOA_X

ClientSampleId :

MW16D-20240627

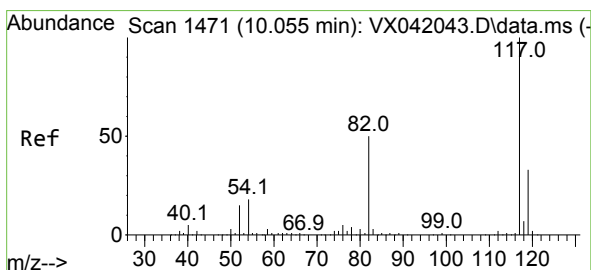
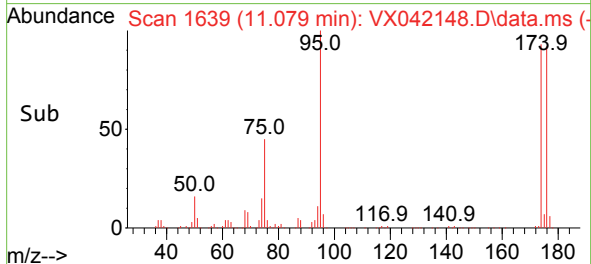
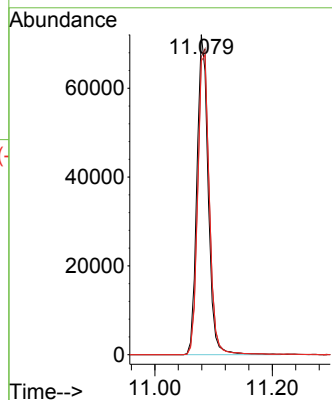
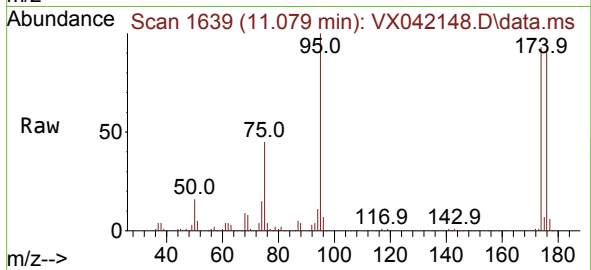
Tgt Ion: 95 Resp: 95613

Ion Ratio Lower Upper

95 100

174 98.6 0.0 135.6

176 96.8 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX042148.D

Acq: 02 Jul 2024 18:29

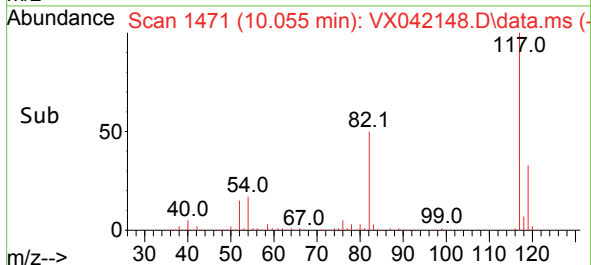
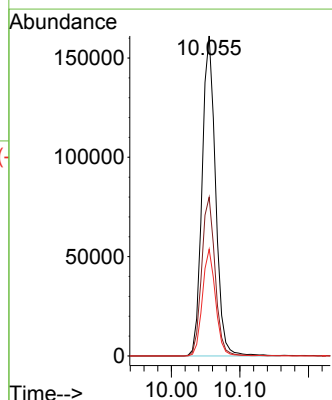
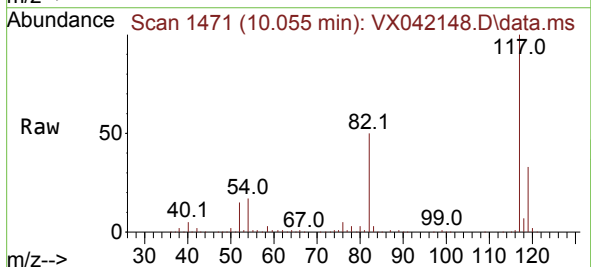
Tgt Ion: 117 Resp: 221148

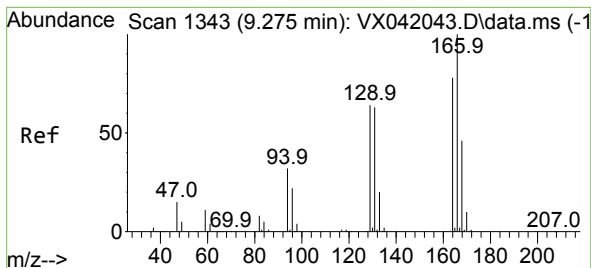
Ion Ratio Lower Upper

117 100

82 49.6 46.2 69.4

119 33.4 25.5 38.3





#64

Tetrachloroethene

Concen: 0.748 ug/l

RT: 9.275 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX042148.D

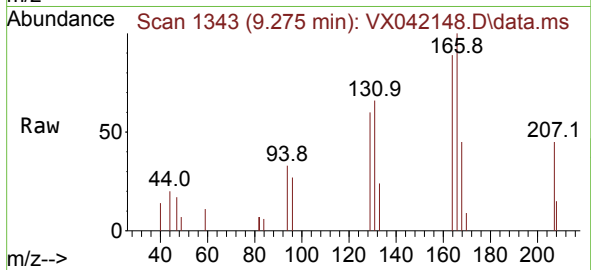
Acq: 02 Jul 2024 18:29

Instrument :

MSVOA_X

ClientSampleId :

MW16D-20240627



Tgt Ion:164 Resp: 1204

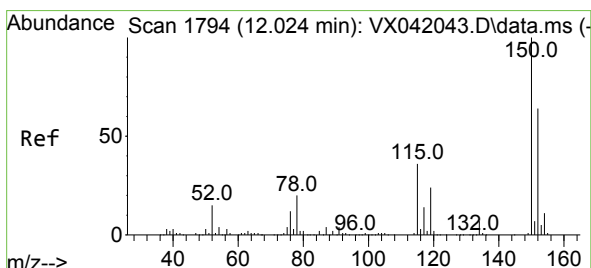
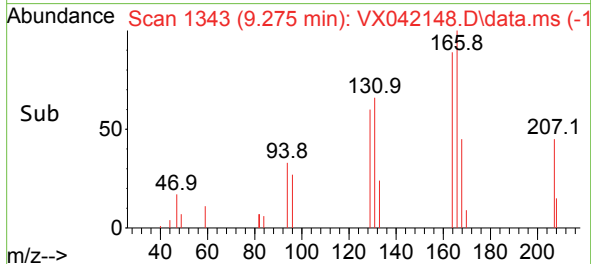
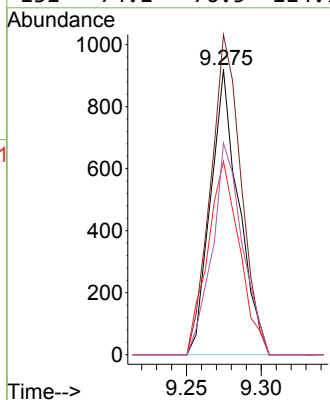
Ion Ratio Lower Upper

164 100

166 112.2 102.7 154.1

129 67.8 80.4 120.6#

131 74.1 76.5 114.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX042148.D

Acq: 02 Jul 2024 18:29

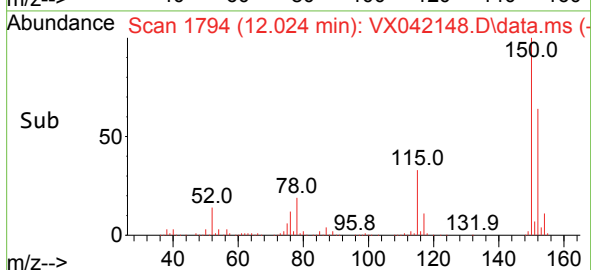
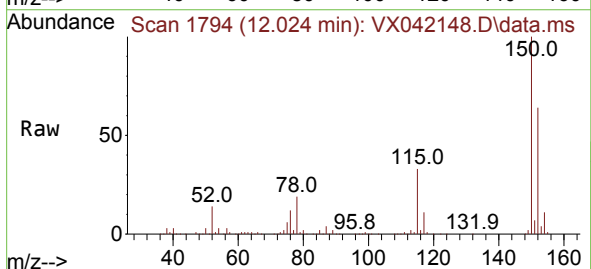
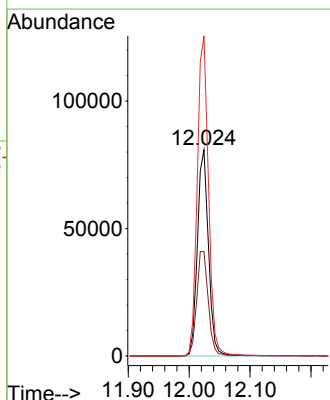
Tgt Ion:152 Resp: 102237

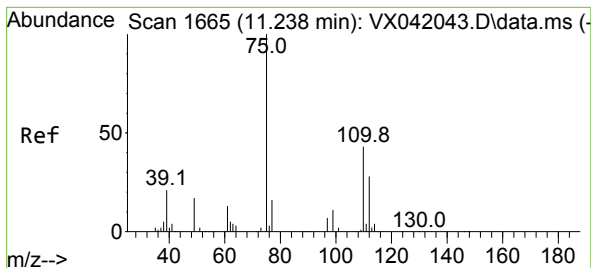
Ion Ratio Lower Upper

152 100

115 53.0 43.3 129.9

150 157.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.527 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042148.D

Acq: 02 Jul 2024 18:29

Instrument :

MSVOA_X

ClientSampleId :

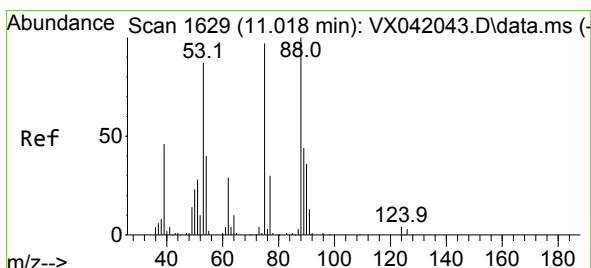
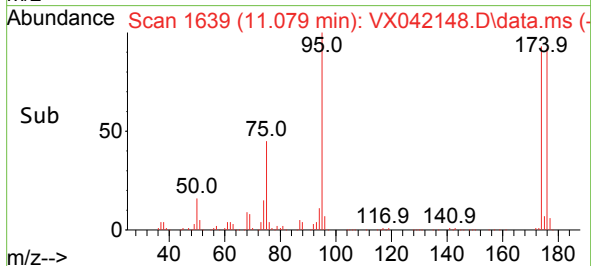
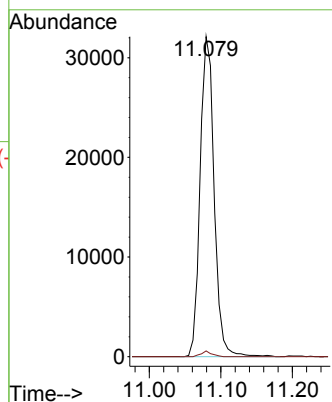
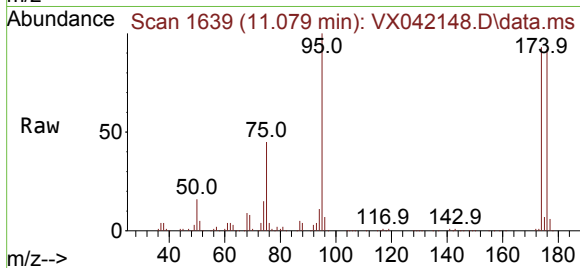
MW16D-20240627

Tgt Ion: 75 Resp: 43667

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.815 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042148.D

Acq: 02 Jul 2024 18:29

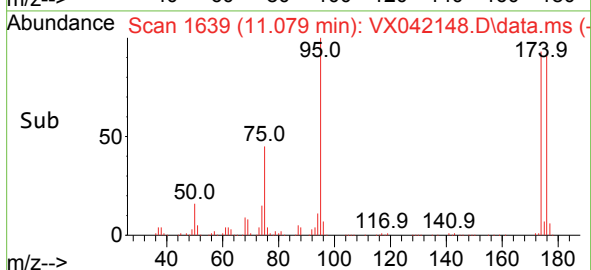
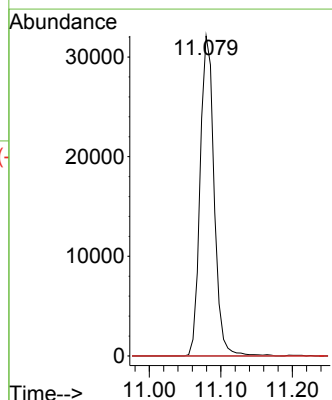
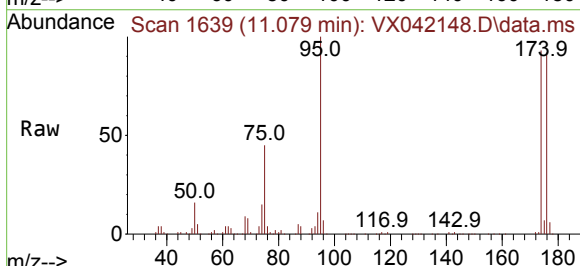
Tgt Ion: 75 Resp: 43667

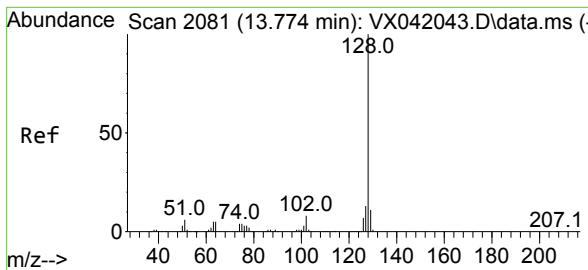
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

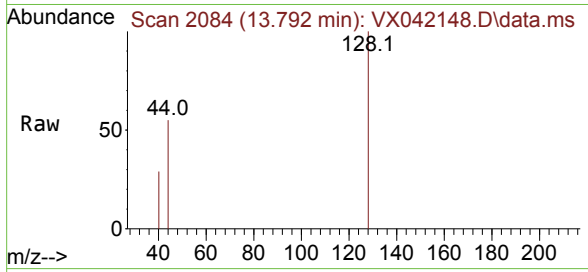
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 0.826 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.018 min
Lab File: VX042148.D
Acq: 02 Jul 2024 18:29

Instrument :
MSVOA_X
ClientSampleId :
MW16D-20240627



Tgt Ion:	128	Resp:	583
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

