

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042723\
 Data File : VX035370.D
 Acq On : 28 Apr 2023 06:55
 Operator : JC/MD
 Sample : 02522-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

Quant Time: Apr 28 07:32:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

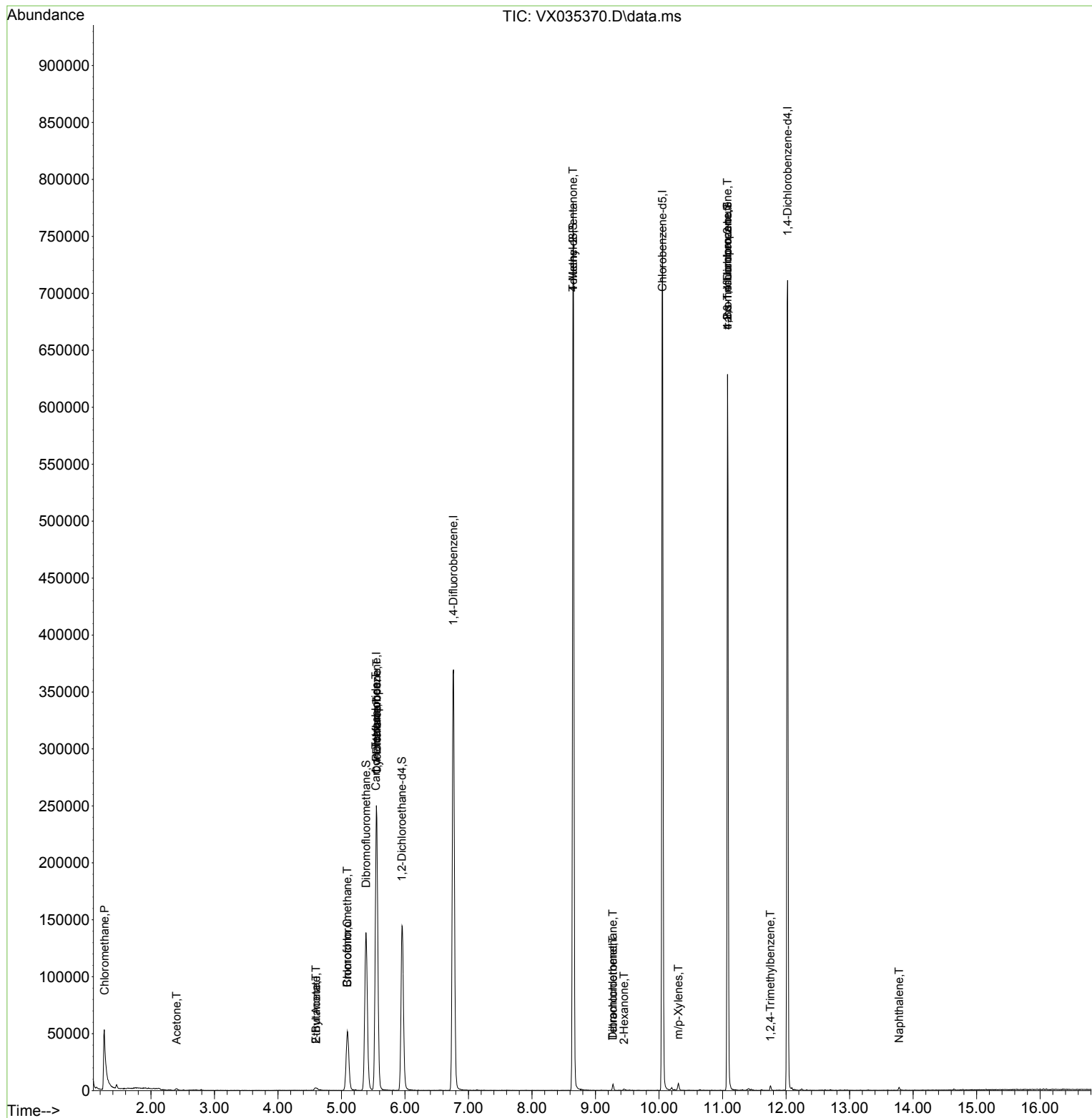
Internal Standards						
1) Pentafluorobenzene	5.550	168	242149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	395377	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	358966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	160440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	143055	48.968	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.940%
35) Dibromofluoromethane	5.385	113	125048	51.530	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.060%
50) Toluene-d8	8.647	98	462906	50.567	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.140%
62) 4-Bromofluorobenzene	11.079	95	171367	49.762	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.520%
Target Compounds						
					Qvalue	
3) Chloromethane	1.270	50	1989	0.853	ug/l #	42
16) Acetone	2.404	43	2277	1.795	ug/l	95
25) 2-Butanone	4.599	43	5927	3.200	ug/l	90
28) Bromochloromethane	5.093	49	4834	2.459	ug/l #	15
30) Chloroform	5.093	83	64917	13.939	ug/l	97
31) Cyclohexane	5.556	56	4497	1.085	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	17301	4.566	ug/l #	52
37) Ethyl Acetate	4.599	43	5927	1.713	ug/l #	70
38) Carbon Tetrachloride	5.544	117	23777	6.610	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1893	0.530	ug/l #	1
59) 2-Hexanone	9.451	43	1222	0.455	ug/l	86
60) Dibromochloromethane	9.275	129	965	0.367	ug/l #	10
64) Tetrachloroethene	9.275	164	1008	0.367	ug/l	94
68) m/p-Xylenes	10.305	106	1654	0.321	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	84508	26.405	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	84508	85.522	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	2166	0.218	ug/l	94
95) Naphthalene	13.780	128	2508	0.234	ug/l #	90

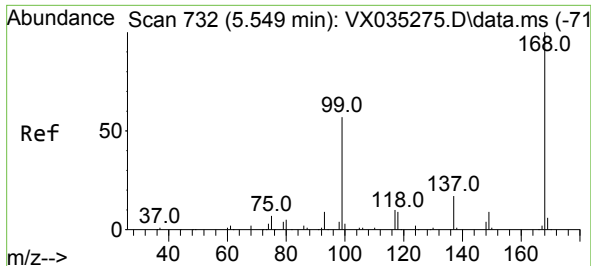
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-8

Quant Time: Apr 28 07:32:59 2023
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Quant Title : SW846 8260
QLast Update : Tue Apr 25 16:31:40 2023
Response via : Initial Calibration

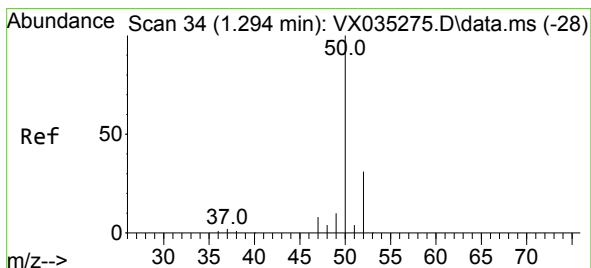
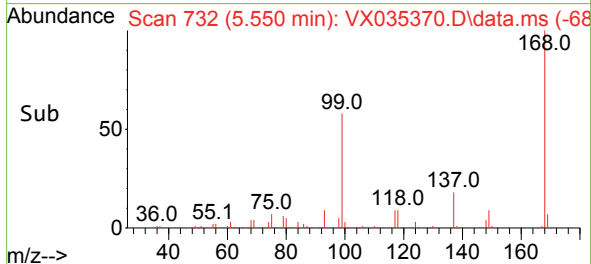
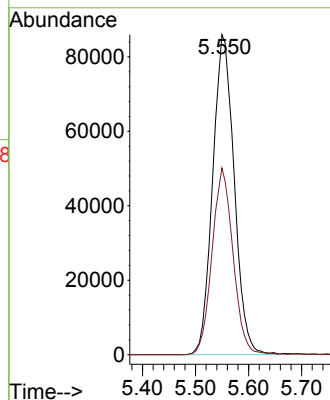
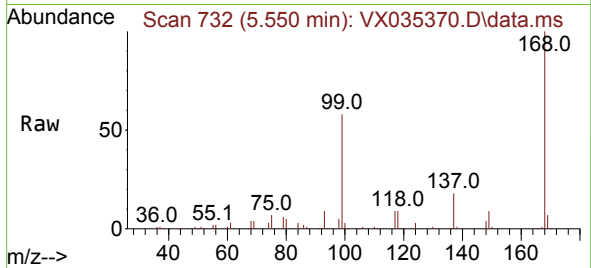




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

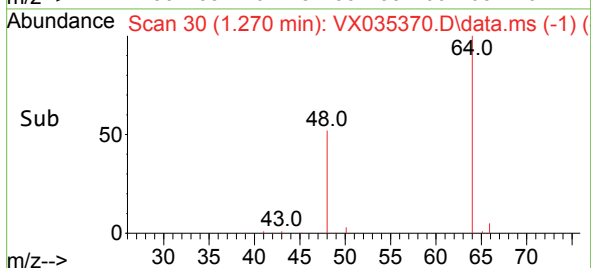
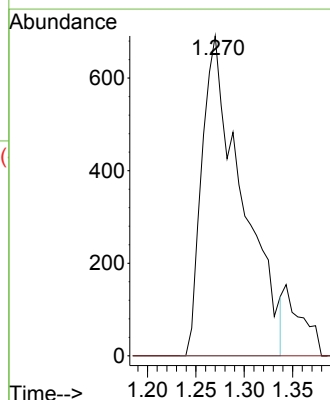
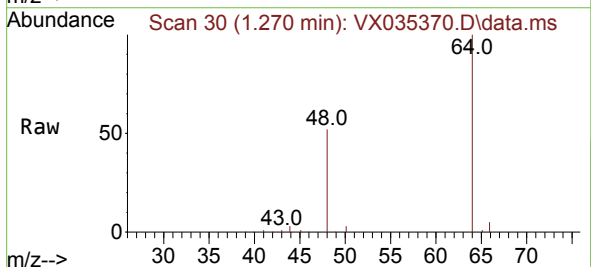
Instrument :
MSVOA_X
ClientSampleId :
MW-8

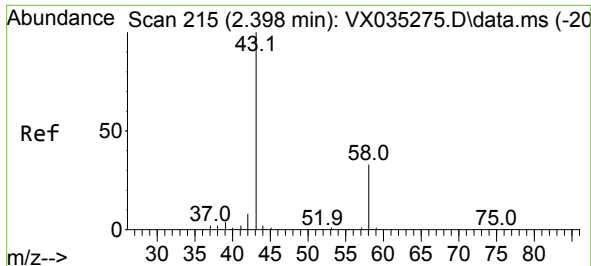
Tgt Ion:168 Resp: 242149
Ion Ratio Lower Upper
168 100
99 58.3 45.7 68.5



#3
Chloromethane
Concen: 0.853 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

Tgt Ion: 50 Resp: 1989
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

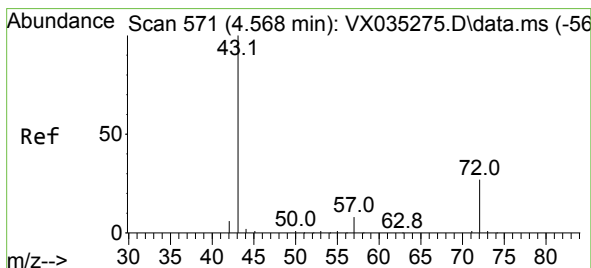
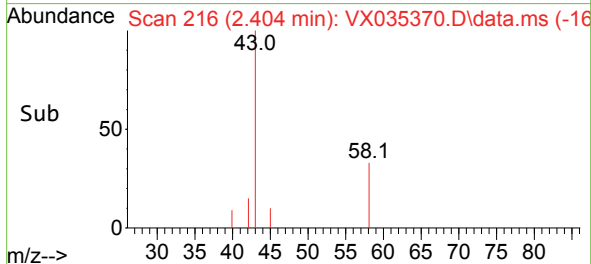
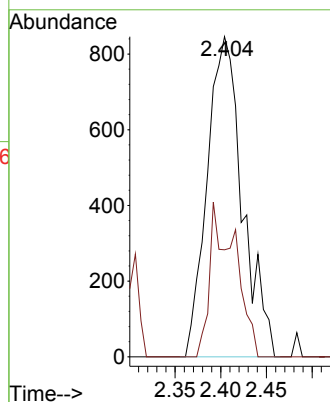
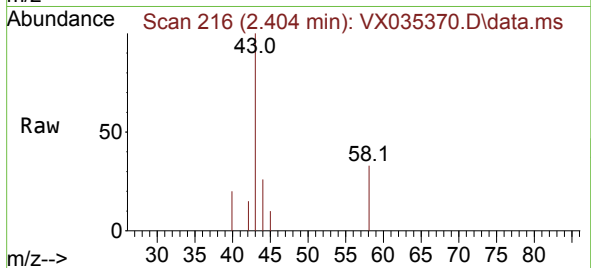




#16
Acetone
Concen: 1.795 ug/l
RT: 2.404 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

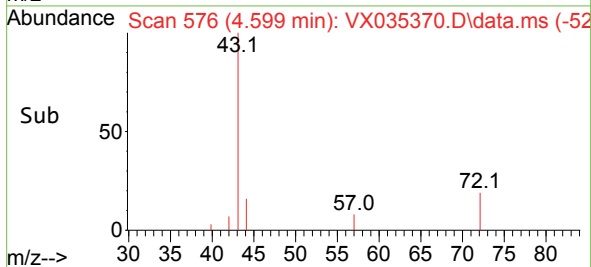
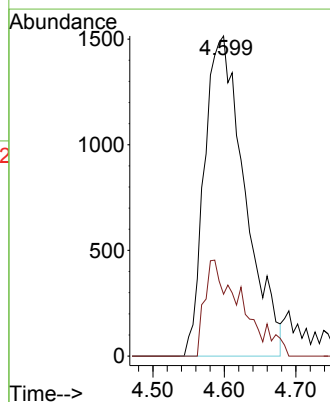
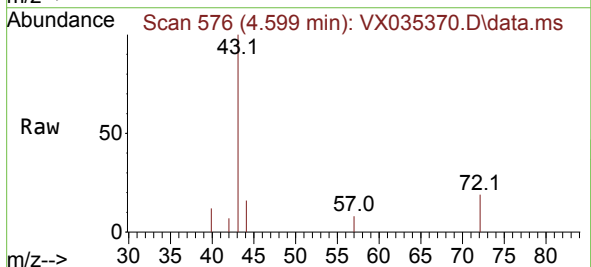
Instrument :
MSVOA_X
ClientSampleId :
MW-8

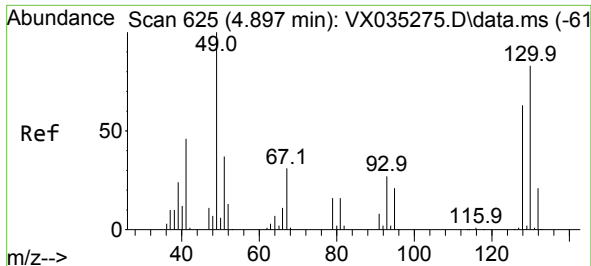
Tgt Ion: 43 Resp: 2277
Ion Ratio Lower Upper
43 100
58 33.5 24.7 37.1



#25
2-Butanone
Concen: 3.200 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.031 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

Tgt Ion: 43 Resp: 5927
Ion Ratio Lower Upper
43 100
72 19.3 19.3 28.9

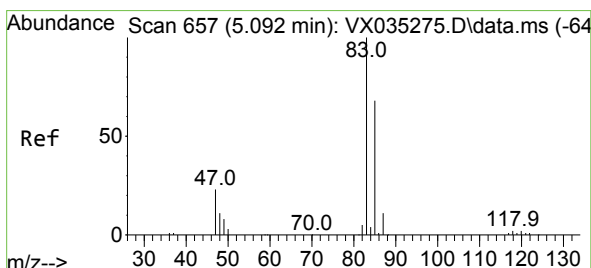
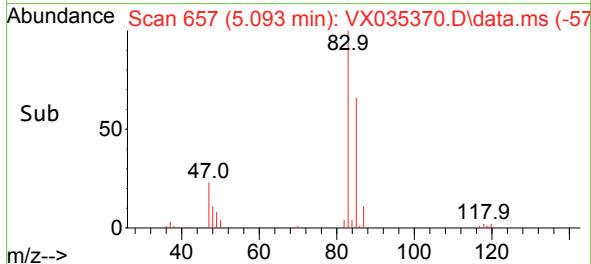
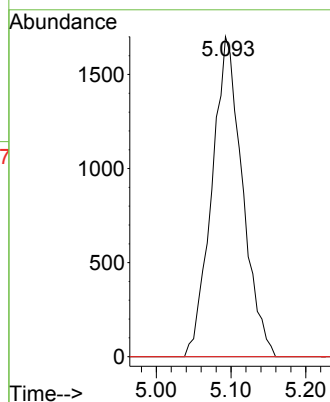
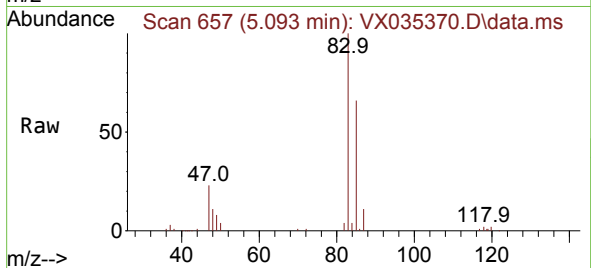




#28
Bromochloromethane
Concen: 2.459 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.196 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

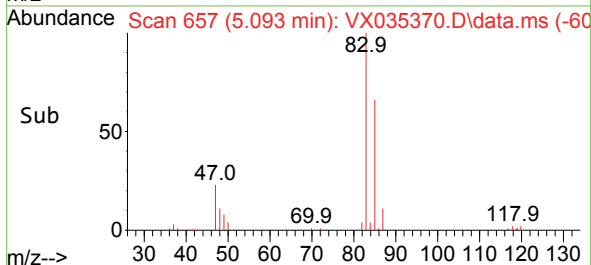
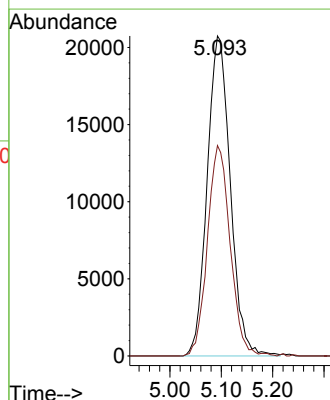
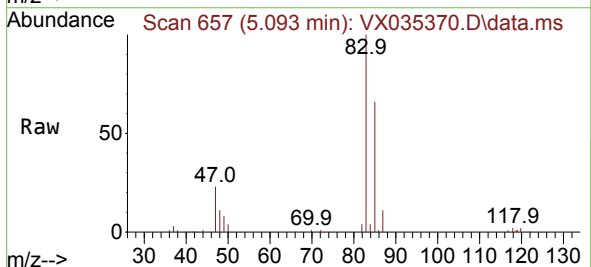
Instrument :
MSVOA_X
ClientSampleId :
MW-8

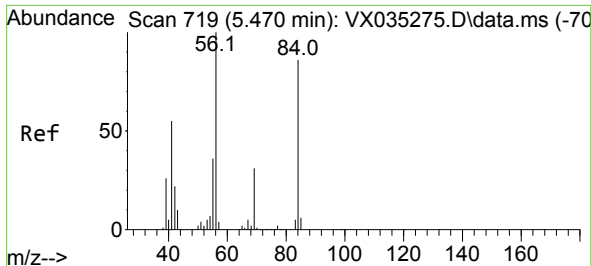
Tgt Ion: 49 Resp: 4834
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 58.2 87.2#



#30
Chloroform
Concen: 13.939 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.001 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

Tgt Ion: 83 Resp: 64917
Ion Ratio Lower Upper
83 100
85 65.7 50.6 76.0

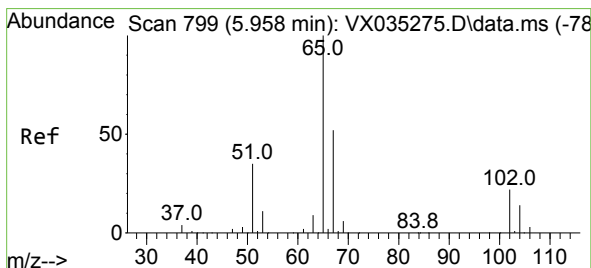
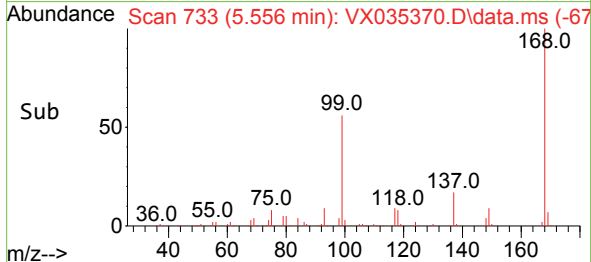
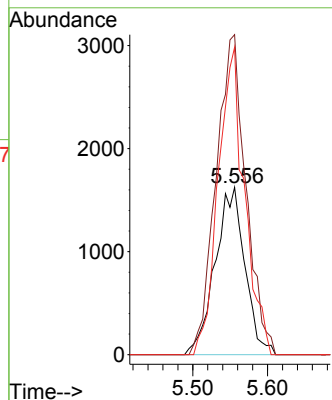
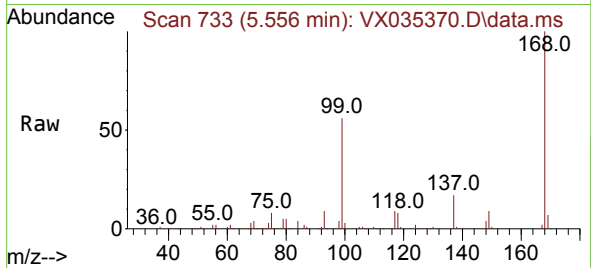




#31
Cyclohexane
Concen: 1.085 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

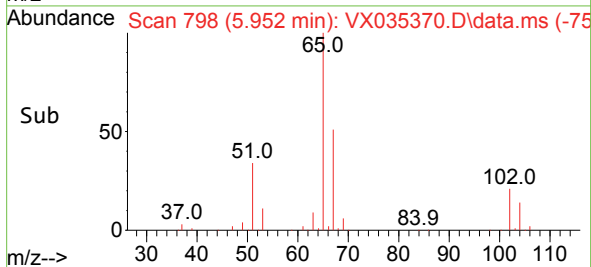
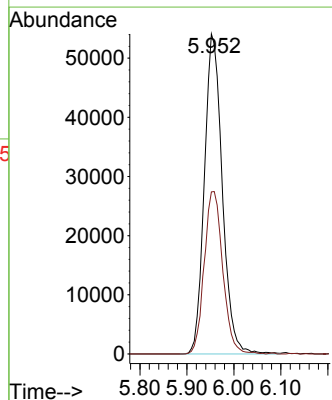
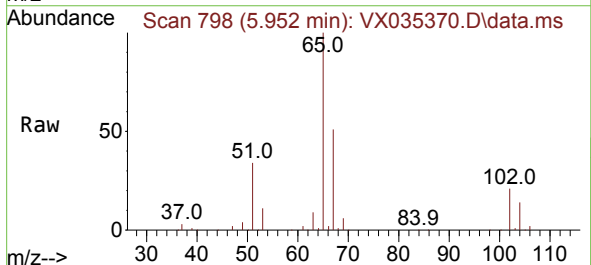
Instrument :
MSVOA_X
ClientSampleId :
MW-8

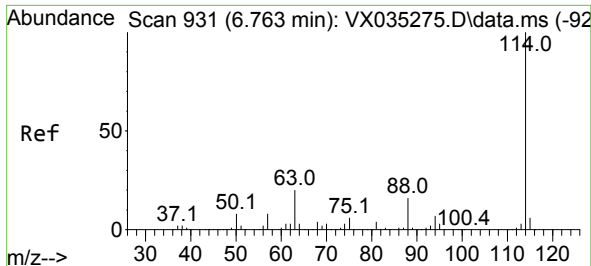
Tgt Ion: 56 Resp: 4497
Ion Ratio Lower Upper
56 100
69 191.3 23.7 35.5#
84 183.7 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 48.968 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

Tgt Ion: 65 Resp: 143055
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.0

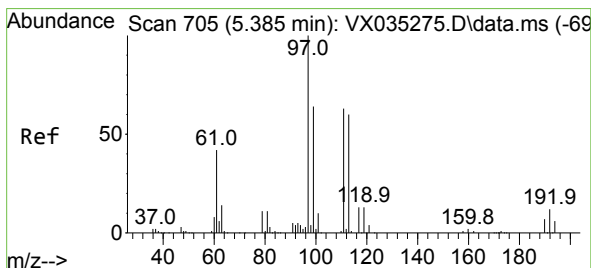
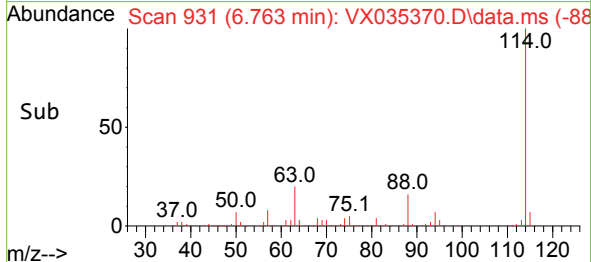
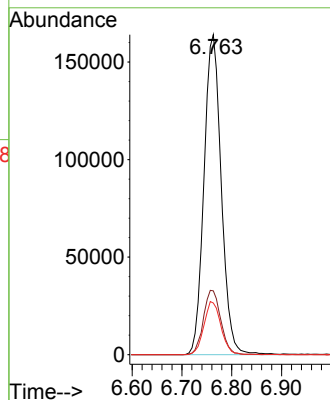
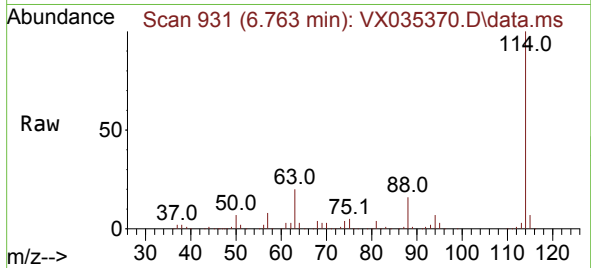




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

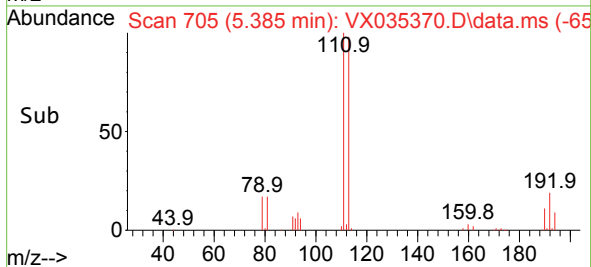
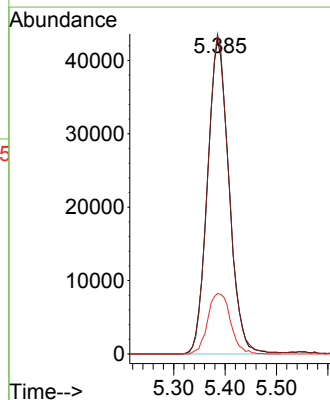
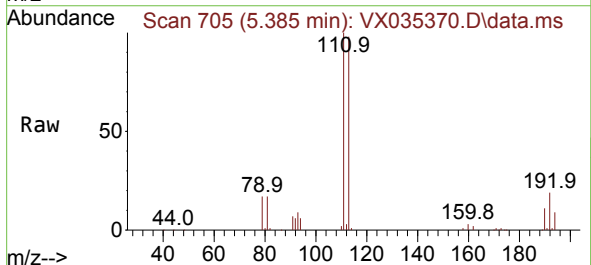
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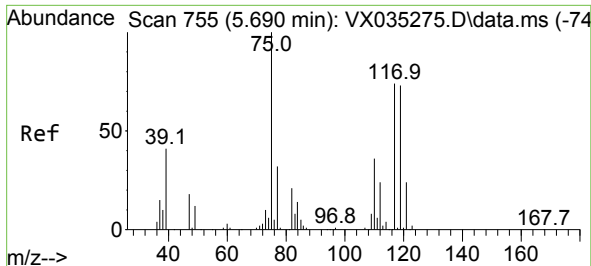
Tgt Ion:114 Resp: 395377
Ion Ratio Lower Upper
114 100
63 19.9 0.0 42.2
88 16.1 0.0 33.2



#35
Dibromofluoromethane
Concen: 51.530 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

Tgt Ion:113 Resp: 125048
Ion Ratio Lower Upper
113 100
111 100.3 83.7 125.5
192 20.3 15.4 23.2

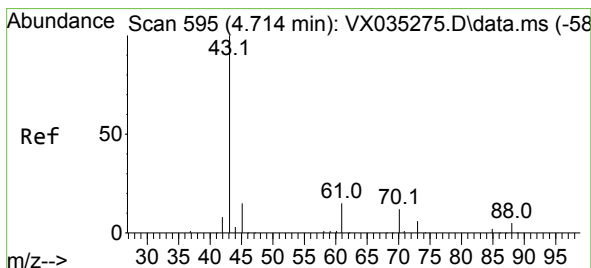
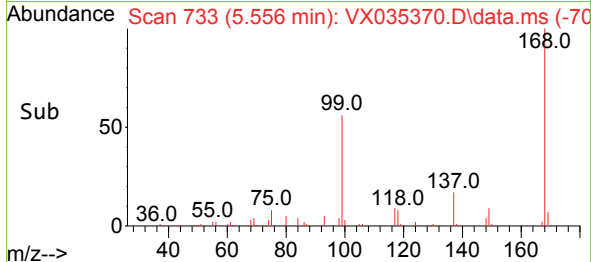
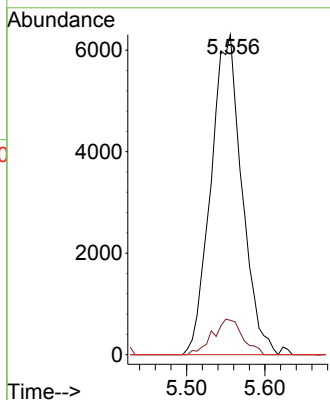
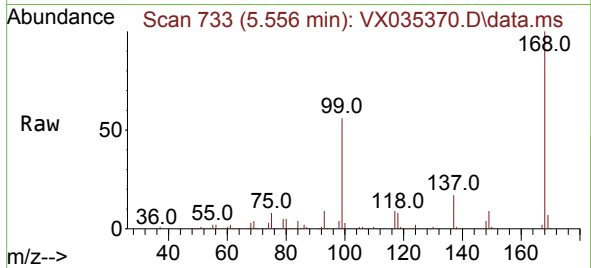




#36
1,1-Dichloropropene
Concen: 4.566 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

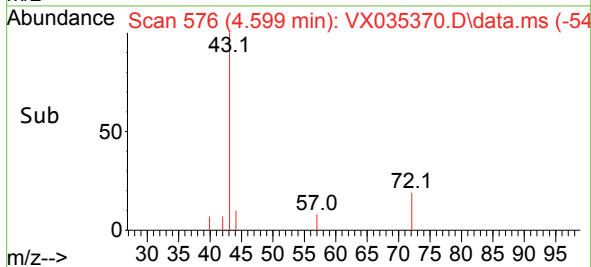
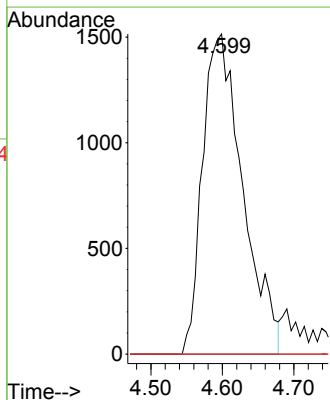
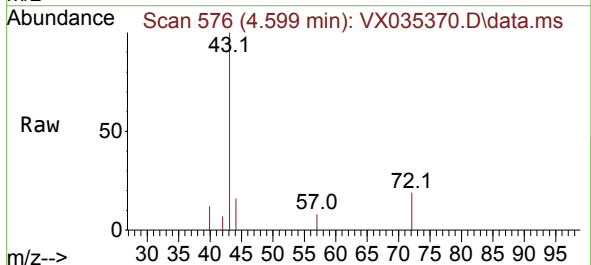
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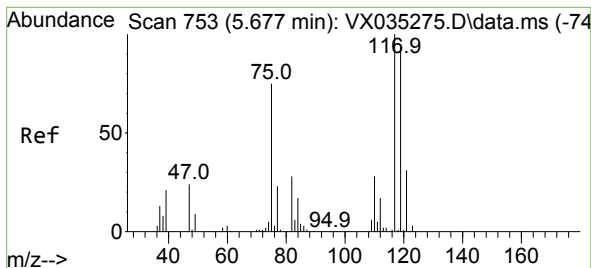
Tgt Ion: 75 Resp: 17301
Ion Ratio Lower Upper
75 100
110 10.8 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 1.713 ug/l
RT: 4.599 min Scan# 576
Delta R.T. -0.115 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

Tgt Ion: 43 Resp: 5927
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 8.2 12.4#





#38

Carbon Tetrachloride

Concen: 6.610 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.133 min

Lab File: VX035370.D

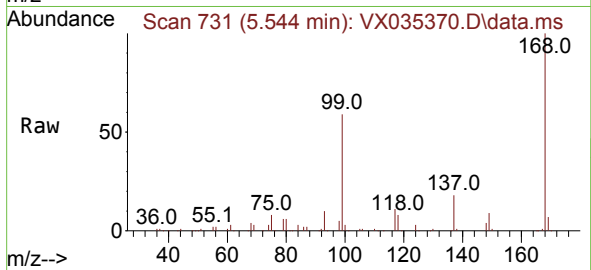
Acq: 28 Apr 2023 06:55

Instrument :

MSVOA_X

ClientSampleId :

MW-8



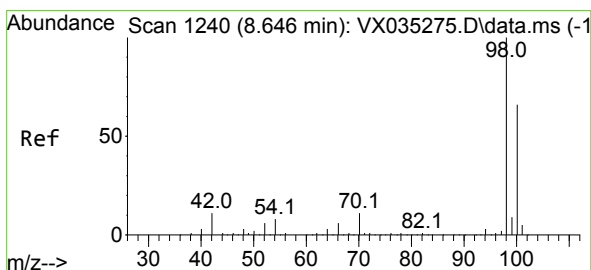
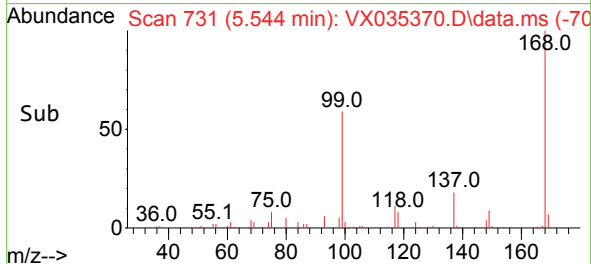
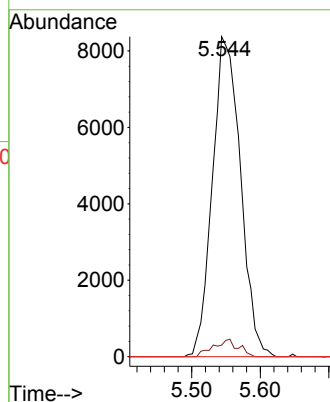
Tgt Ion:117 Resp: 23777

Ion Ratio Lower Upper

117 100

119 3.6 76.6 114.8#

121 0.0 23.8 35.6#



#50

Toluene-d8

Concen: 50.567 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX035370.D

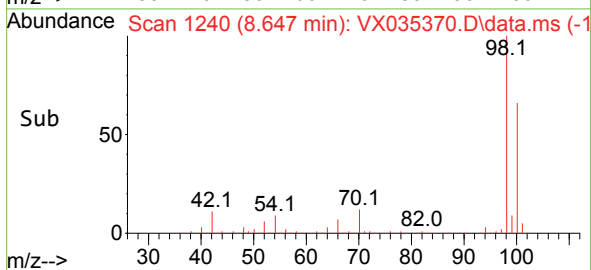
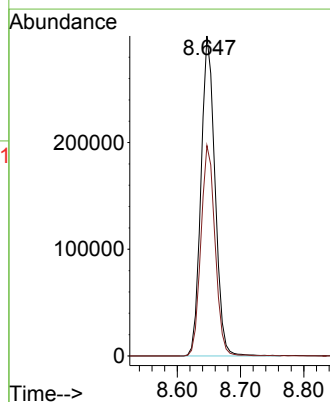
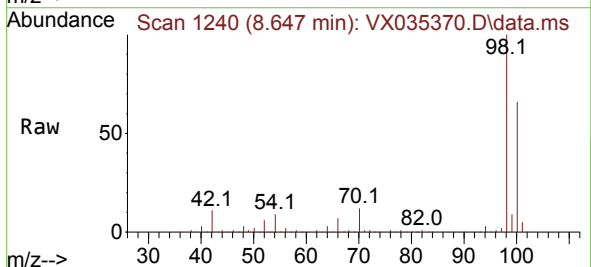
Acq: 28 Apr 2023 06:55

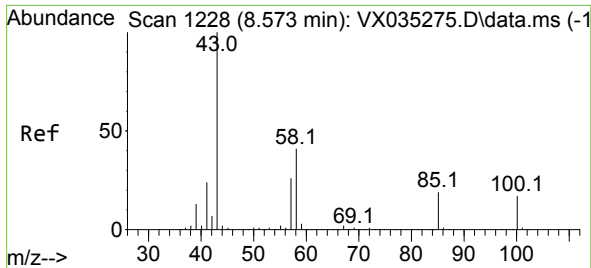
Tgt Ion: 98 Resp: 462906

Ion Ratio Lower Upper

98 100

100 66.4 52.5 78.7

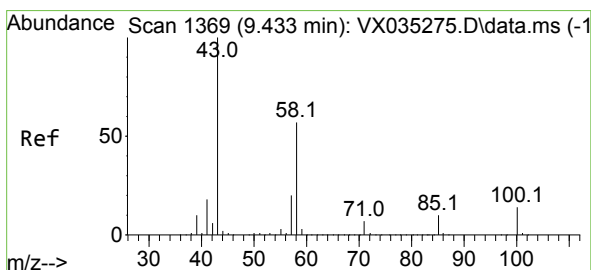
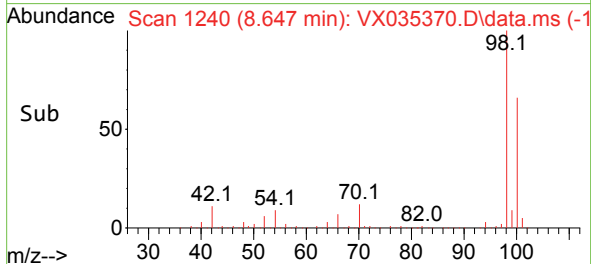
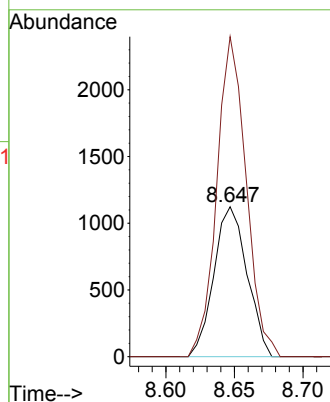
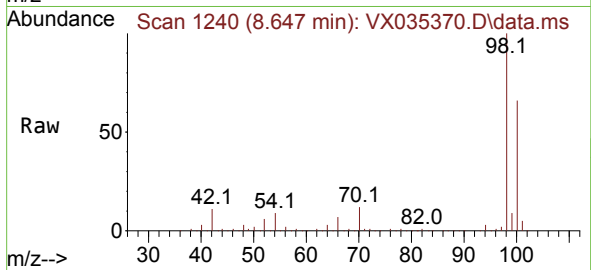




#51
4-Methyl-2-Pentanone
Concen: 0.530 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.074 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

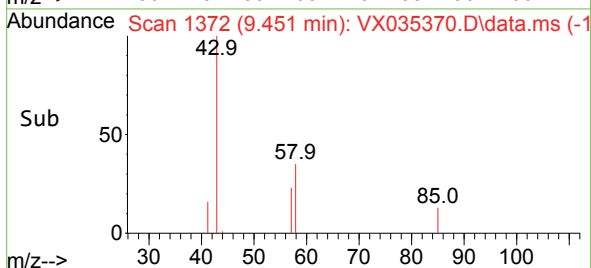
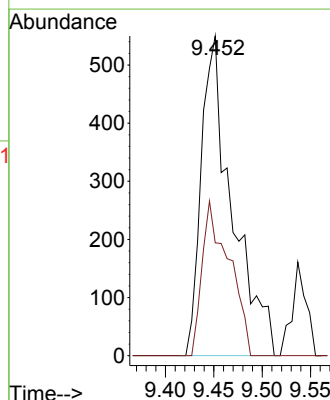
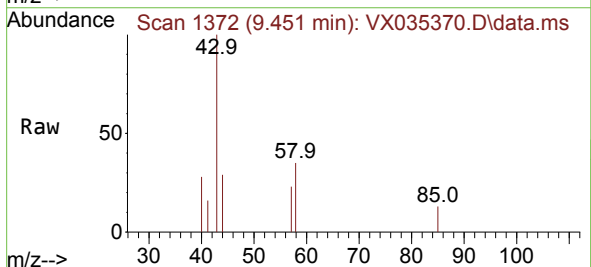
Instrument :
MSVOA_X
ClientSampleId :
MW-8

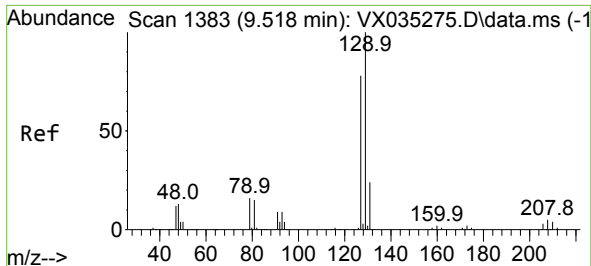
Tgt Ion: 43 Resp: 1893
Ion Ratio Lower Upper
43 100
58 188.9 30.6 46.0#



#59
2-Hexanone
Concen: 0.455 ug/l
RT: 9.451 min Scan# 1372
Delta R.T. 0.018 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

Tgt Ion: 43 Resp: 1222
Ion Ratio Lower Upper
43 100
58 42.4 26.3 78.9

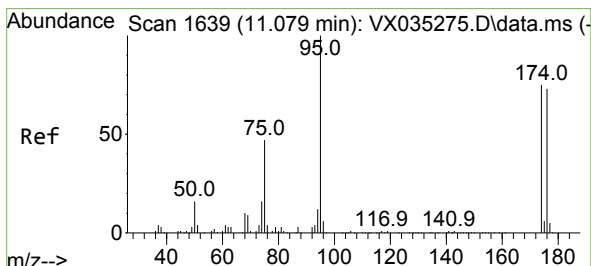
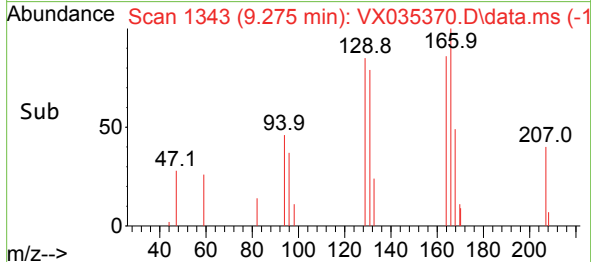
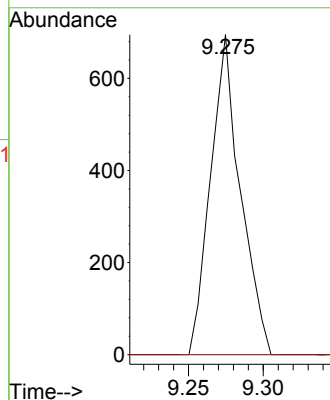
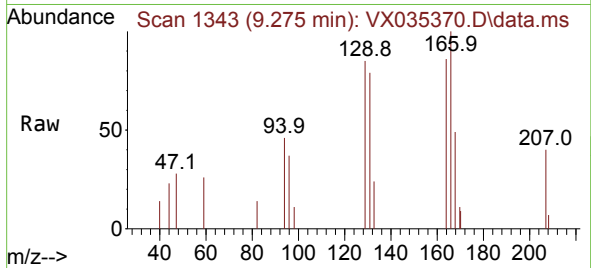




#60
Dibromochloromethane
Concen: 0.367 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.243 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

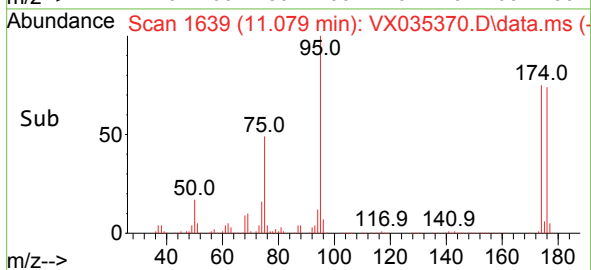
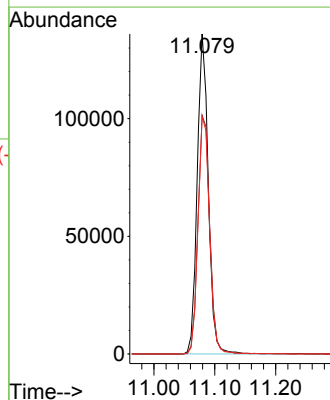
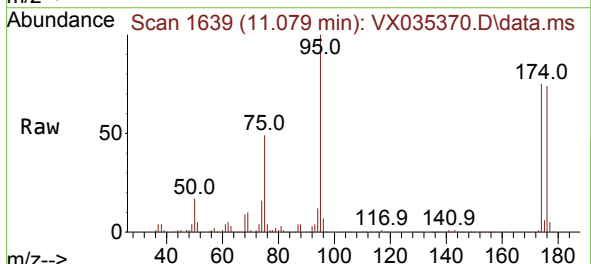
Instrument :
MSVOA_X
ClientSampleId :
MW-8

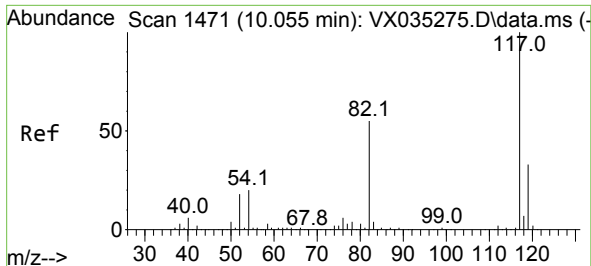
Tgt Ion:129 Resp: 965
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 49.762 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

Tgt Ion: 95 Resp: 171367
Ion Ratio Lower Upper
95 100
174 79.1 0.0 147.4
176 77.0 0.0 140.6

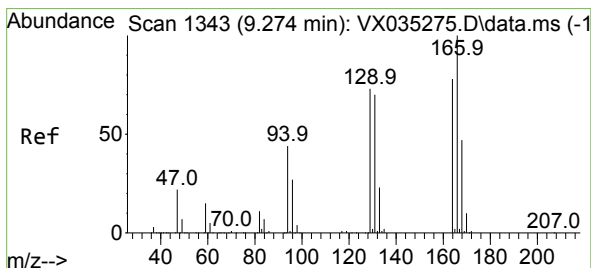
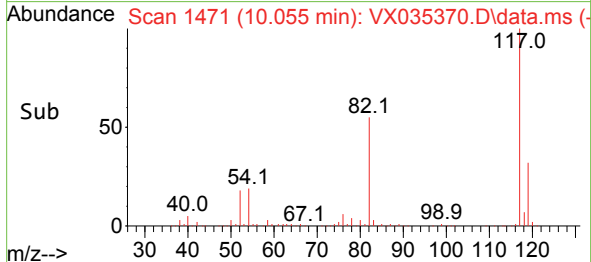
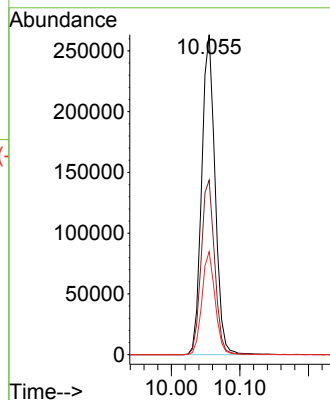
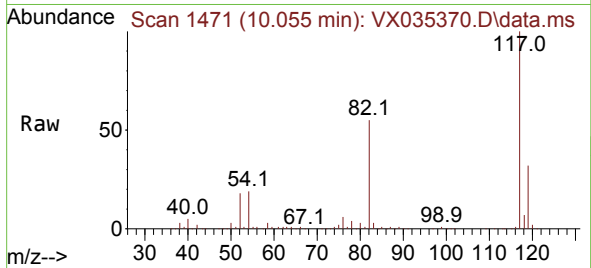




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

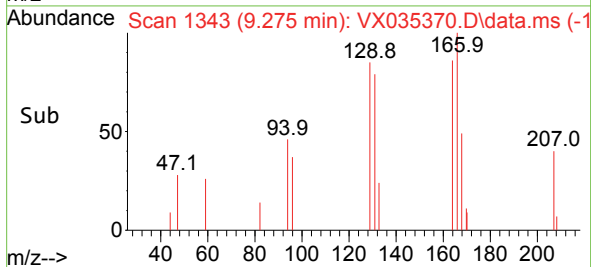
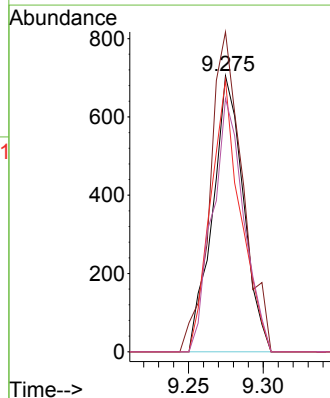
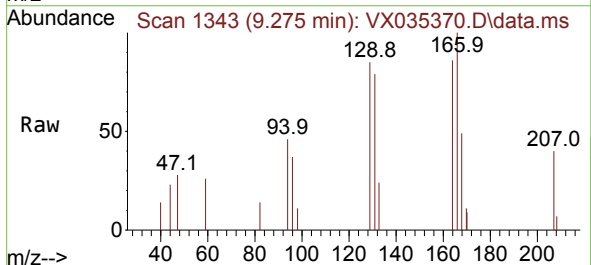
Instrument :
MSVOA_X
ClientSampleId :
MW-8

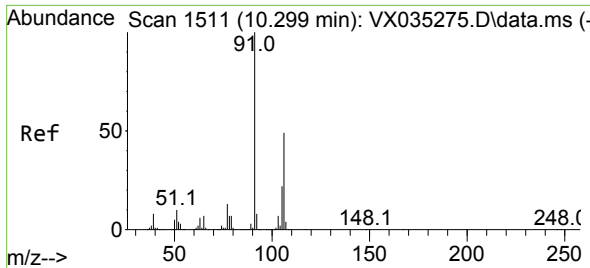
Tgt Ion:117 Resp: 358966
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.4
119 32.2 26.0 39.0



#64
Tetrachloroethene
Concen: 0.367 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.001 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

Tgt Ion:164 Resp: 1008
Ion Ratio Lower Upper
164 100
166 115.9 102.7 154.1
129 98.6 75.6 113.4
131 91.8 73.7 110.5

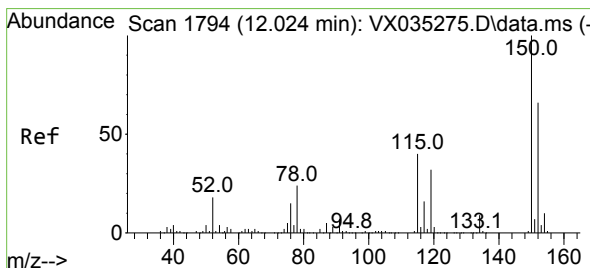
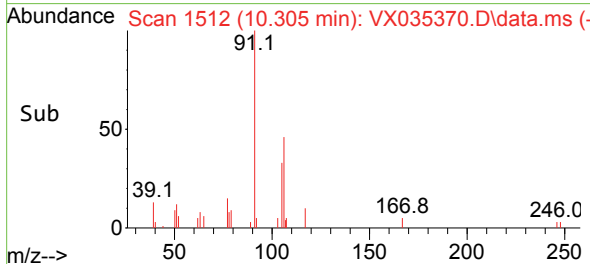
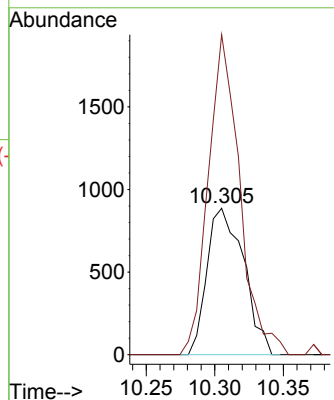
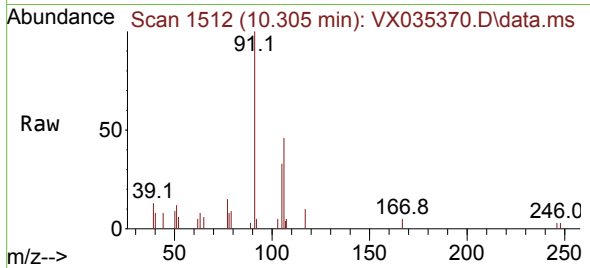




#68
m/p-Xylenes
Concen: 0.321 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

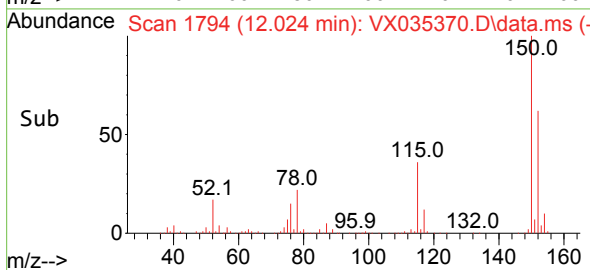
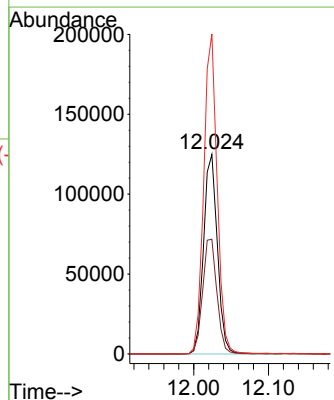
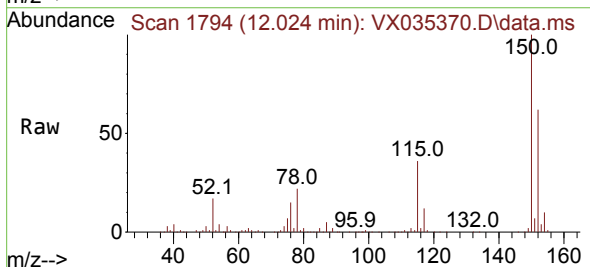
Instrument :
MSVOA_X
ClientSampleId :
MW-8

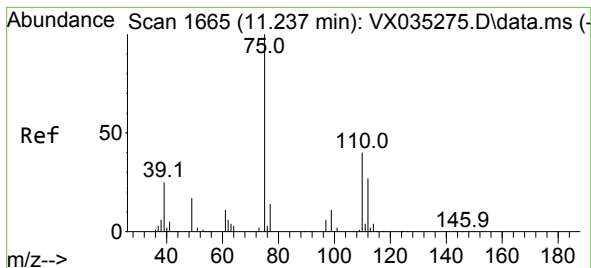
Tgt Ion:106 Resp: 1654
Ion Ratio Lower Upper
106 100
91 187.1 164.0 246.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035370.D
Acq: 28 Apr 2023 06:55

Tgt Ion:152 Resp: 160440
Ion Ratio Lower Upper
152 100
115 59.4 45.0 135.0
150 155.7 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 26.405 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX035370.D

Acq: 28 Apr 2023 06:55

Instrument :

MSVOA_X

ClientSampleId :

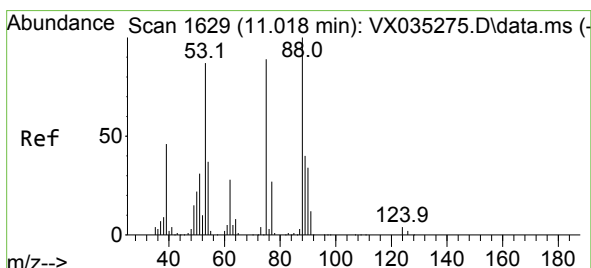
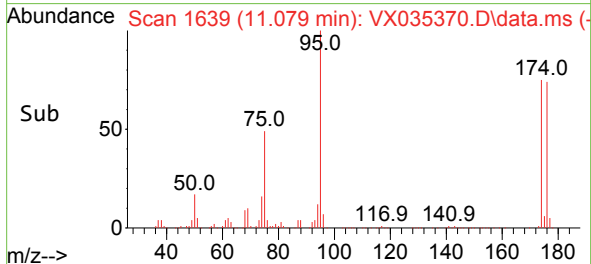
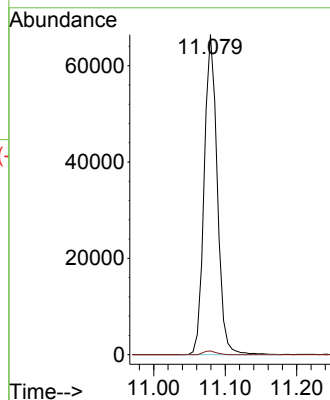
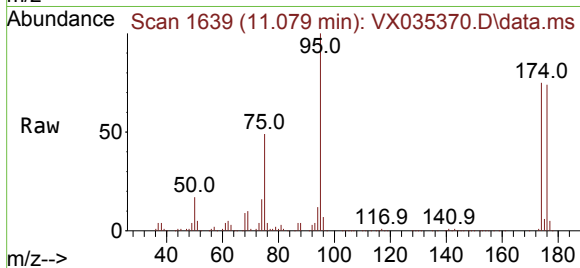
MW-8

Tgt Ion: 75 Resp: 84508

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 85.522 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX035370.D

Acq: 28 Apr 2023 06:55

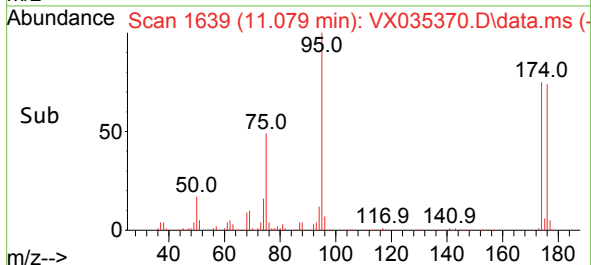
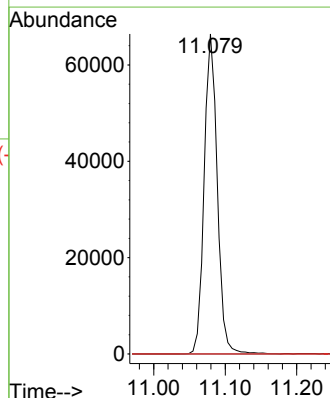
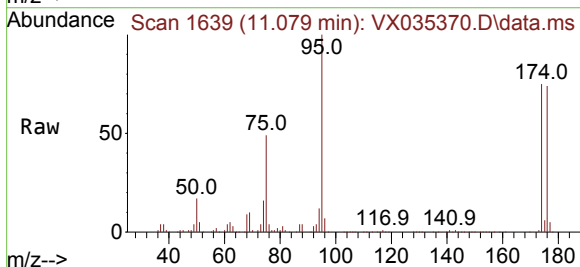
Tgt Ion: 75 Resp: 84508

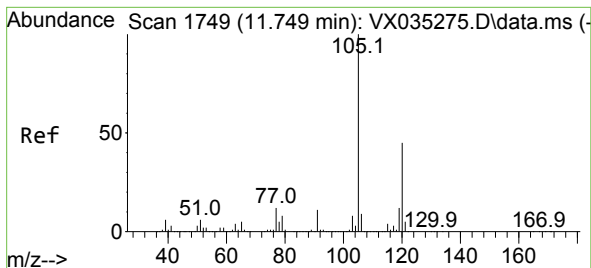
Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.218 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.007 min

Lab File: VX035370.D

Acq: 28 Apr 2023 06:55

Instrument :

MSVOA_X

ClientSampleId :

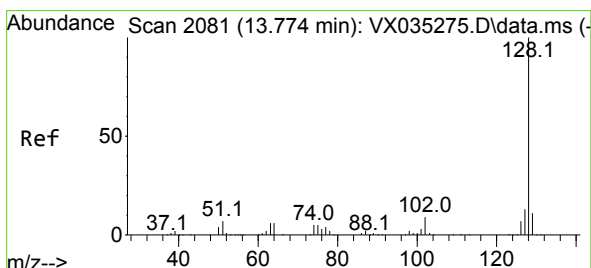
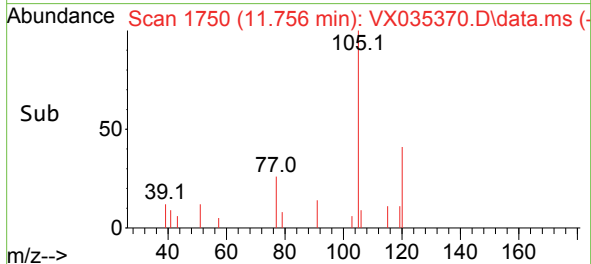
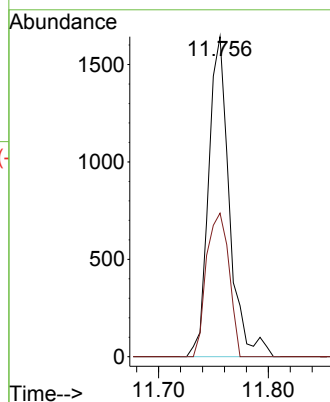
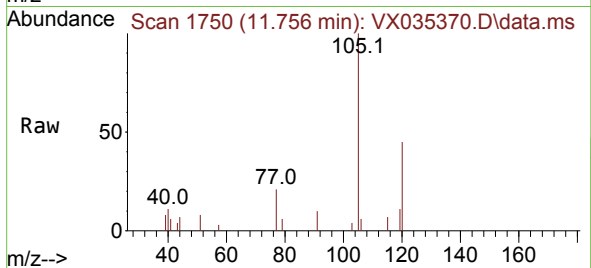
MW-8

Tgt Ion:105 Resp: 2166

Ion Ratio Lower Upper

105 100

120 48.7 22.4 67.0



#95

Naphthalene

Concen: 0.234 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX035370.D

Acq: 28 Apr 2023 06:55

Tgt Ion:128 Resp: 2508

Ion Ratio Lower Upper

128 100

127 7.1 10.2 15.4#

129 9.1 8.6 13.0

