

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042723\
 Data File : VX035362.D
 Acq On : 28 Apr 2023 03:49
 Operator : JC/MD
 Sample : 02522-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Quant Time: Apr 28 05:43:26 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	241043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	397326	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	361096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	172097	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	143160	49.229	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.460%
35) Dibromofluoromethane	5.385	113	121197	49.698	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.400%
50) Toluene-d8	8.647	98	464413	50.483	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.960%
62) 4-Bromofluorobenzene	11.079	95	177899	51.406	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.820%

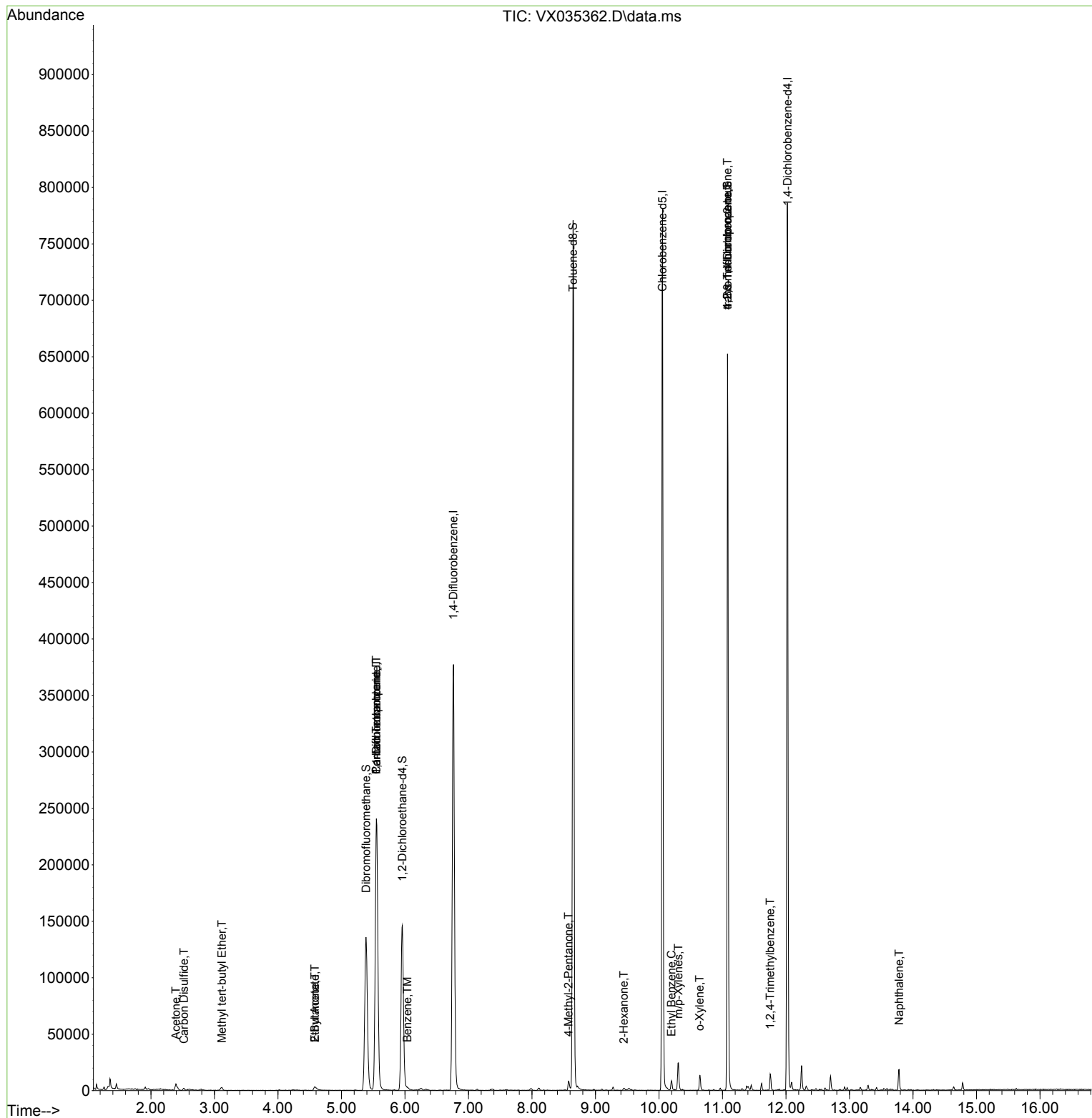
Target Compounds						Qvalue
16) Acetone	2.392	43	6838	5.414	ug/l	97
17) Carbon Disulfide	2.520	76	2291	0.408	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	2170	0.270	ug/l #	68
25) 2-Butanone	4.581	43	7319	3.970	ug/l	96
36) 1,1-Dichloropropene	5.550	75	17749	4.661	ug/l #	51
37) Ethyl Acetate	4.581	43	7319	2.104	ug/l #	70
38) Carbon Tetrachloride	5.550	117	24364	6.740	ug/l #	15
40) Benzene	6.038	78	2239	0.205	ug/l #	63
51) 4-Methyl-2-Pentanone	8.574	43	5288	1.473	ug/l	94
59) 2-Hexanone	9.446	43	1474	0.546	ug/l	97
67) Ethyl Benzene	10.195	91	5636	0.417	ug/l	98
68) m/p-Xylenes	10.305	106	6231	1.202	ug/l	98
69) o-Xylene	10.640	106	3538	0.696	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	86511	25.200	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	86511	81.619	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.750	105	6761	0.634	ug/l	98
95) Naphthalene	13.780	128	13056	1.135	ug/l	98

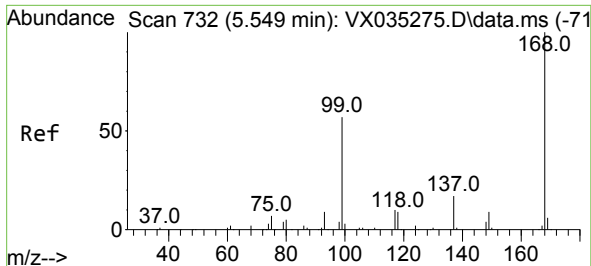
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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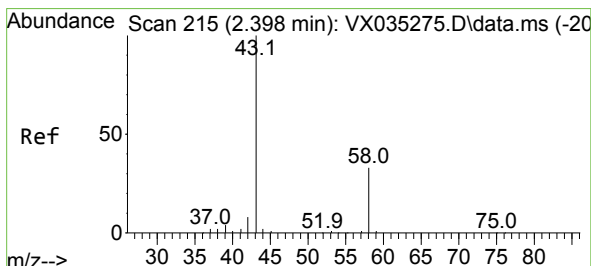
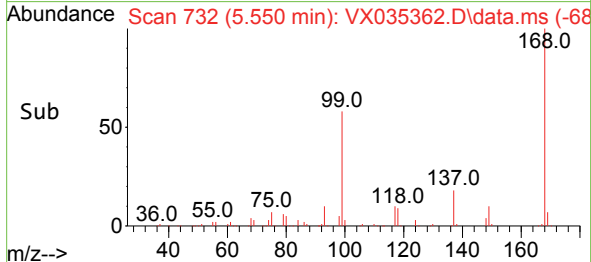
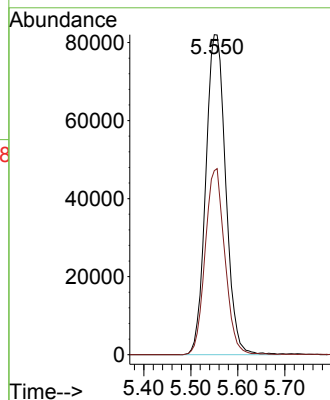
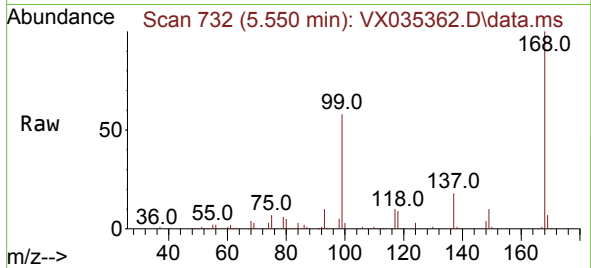




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035362.D
Acq: 28 Apr 2023 03:49

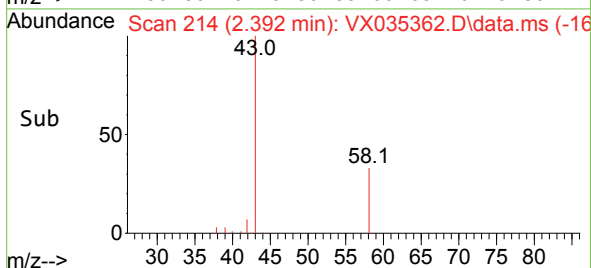
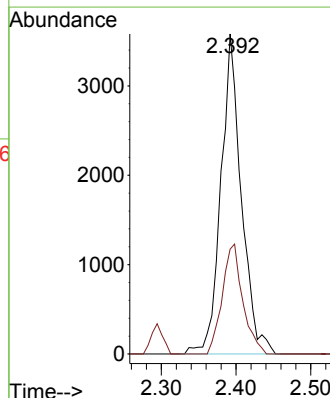
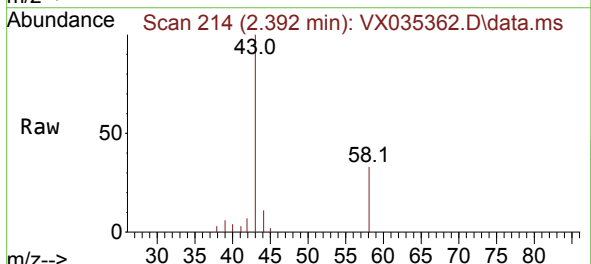
Instrument :
MSVOA_X
ClientSampleId :
MW-5

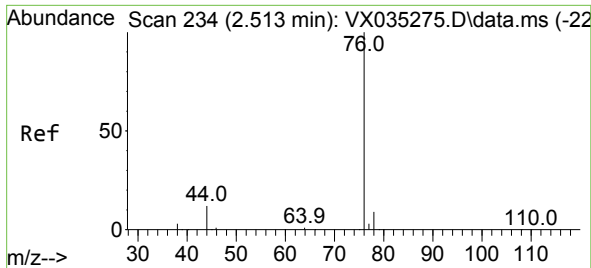
Tgt Ion:168 Resp: 241043
Ion Ratio Lower Upper
168 100
99 57.5 45.7 68.5



#16
Acetone
Concen: 5.414 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX035362.D
Acq: 28 Apr 2023 03:49

Tgt Ion: 43 Resp: 6838
Ion Ratio Lower Upper
43 100
58 32.8 24.7 37.1





#17

Carbon Disulfide

Concen: 0.408 ug/l

RT: 2.520 min Scan# 21

Delta R.T. 0.007 min

Lab File: VX035362.D

Acq: 28 Apr 2023 03:49

Instrument :

MSVOA_X

ClientSampleId :

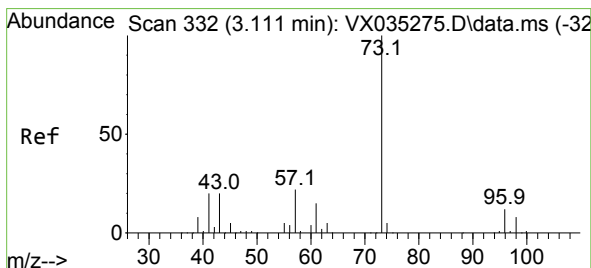
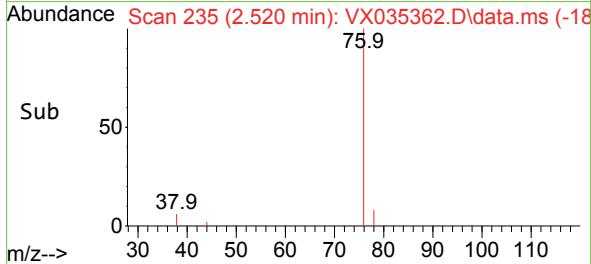
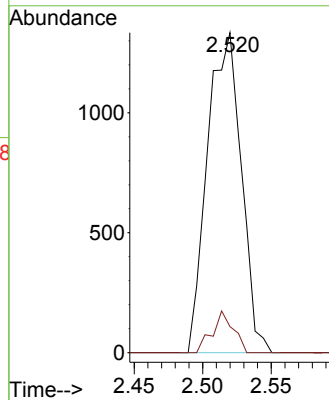
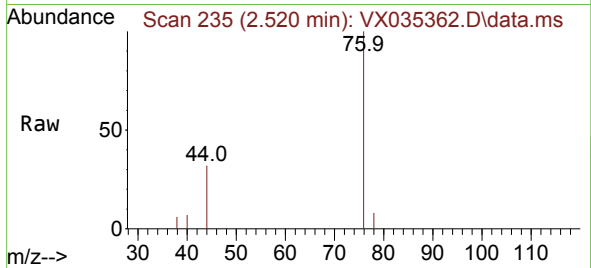
MW-5

Tgt Ion: 76 Resp: 2291

Ion Ratio Lower Upper

76 100

78 8.2 7.2 10.8



#19

Methyl tert-butyl Ether

Concen: 0.270 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.006 min

Lab File: VX035362.D

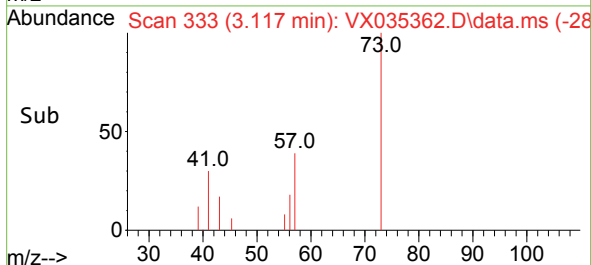
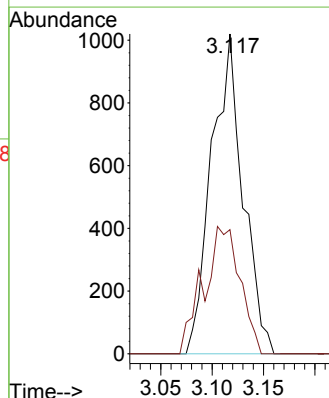
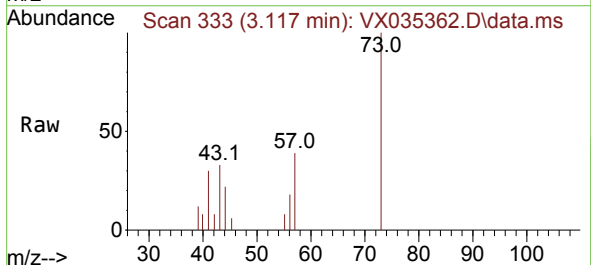
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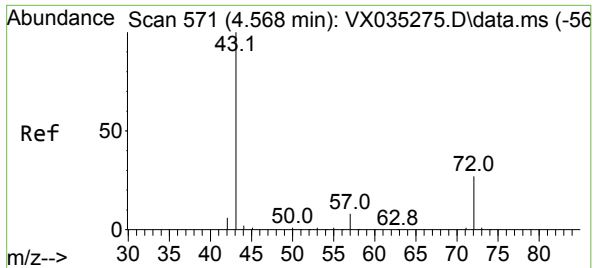
Tgt Ion: 73 Resp: 2170

Ion Ratio Lower Upper

73 100

57 38.8 18.5 27.7#

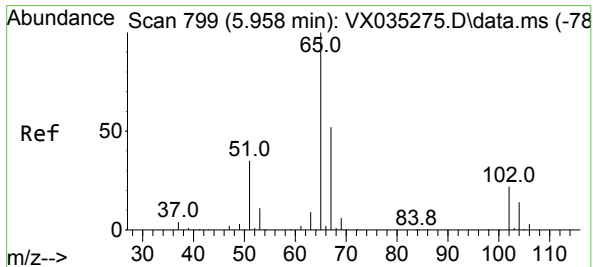
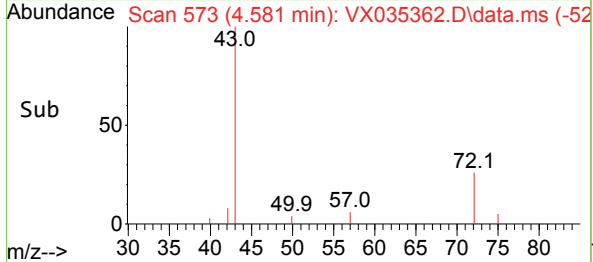
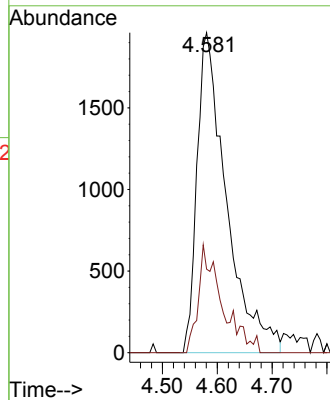
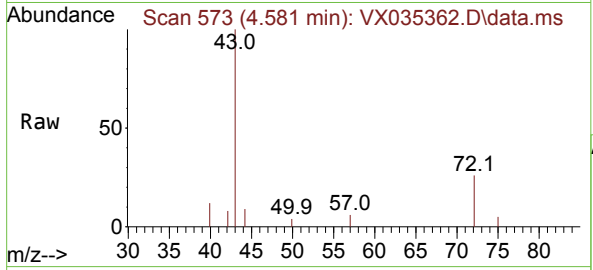




#25
2-Butanone
Concen: 3.970 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.013 min
Lab File: VX035362.D
Acq: 28 Apr 2023 03:49

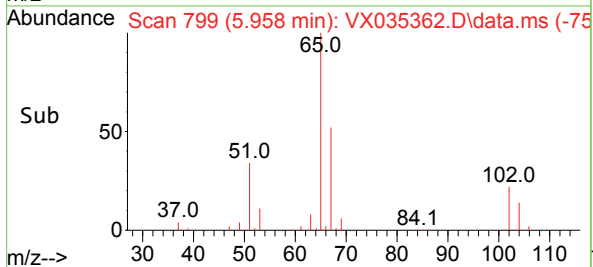
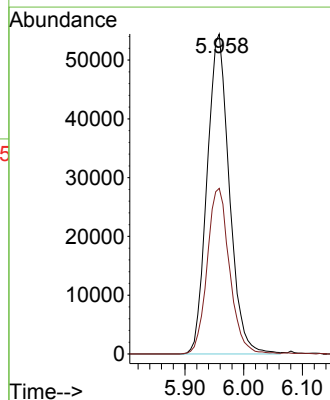
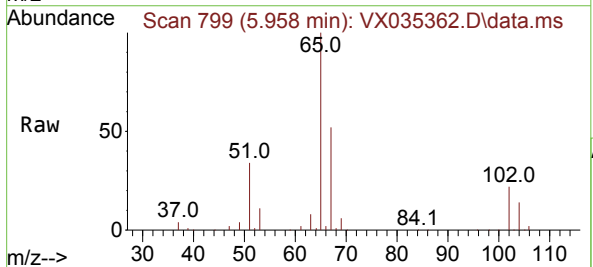
Instrument :
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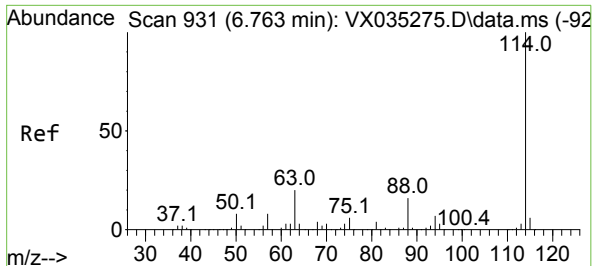
Tgt Ion: 43 Resp: 7319
Ion Ratio Lower Upper
43 100
72 26.1 19.3 28.9



#33
1,2-Dichloroethane-d4
Concen: 49.229 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX035362.D
Acq: 28 Apr 2023 03:49

Tgt Ion: 65 Resp: 143160
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.0

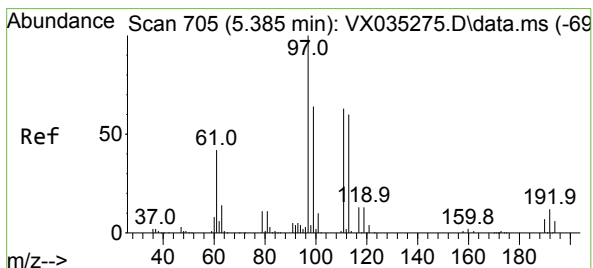
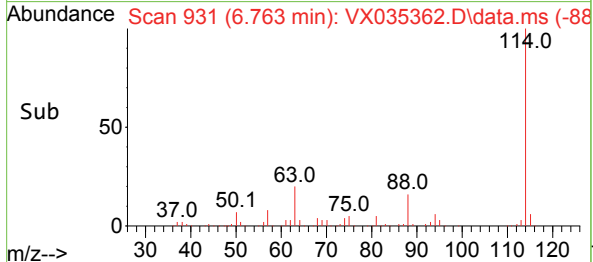
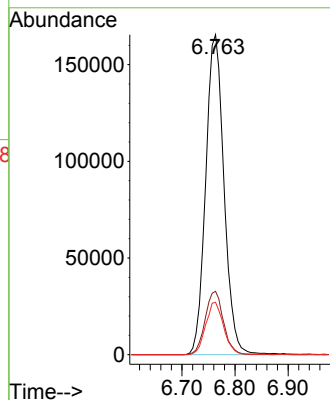
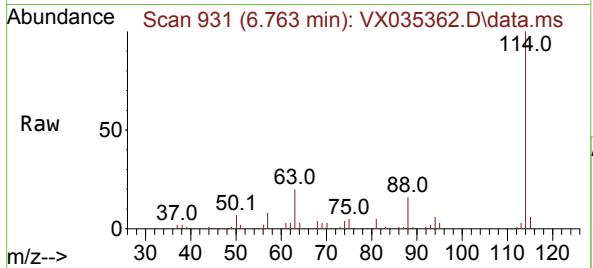




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX035362.D
Acq: 28 Apr 2023 03:49

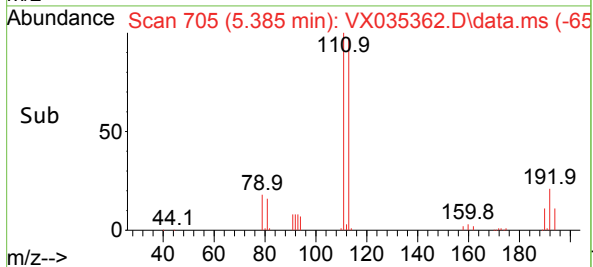
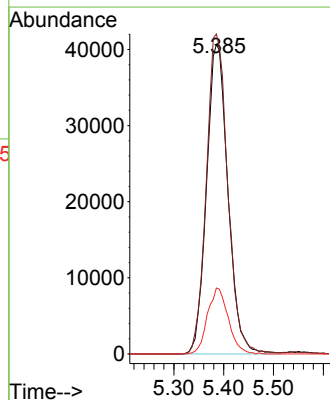
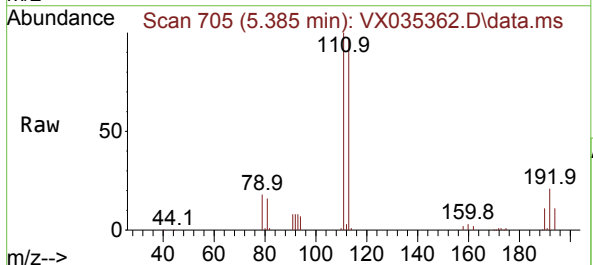
Instrument :
MSVOA_X
ClientSampleId :
MW-5

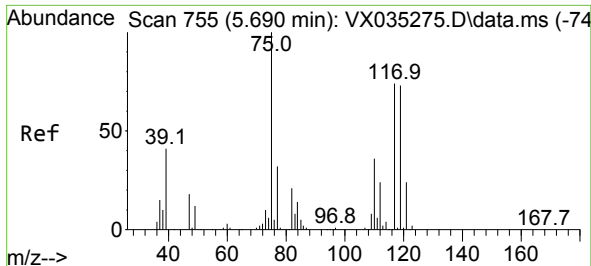
Tgt Ion:114 Resp: 397326
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.2
88 16.4 0.0 33.2



#35
Dibromofluoromethane
Concen: 49.698 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035362.D
Acq: 28 Apr 2023 03:49

Tgt Ion:113 Resp: 121197
Ion Ratio Lower Upper
113 100
111 103.8 83.7 125.5
192 20.7 15.4 23.2

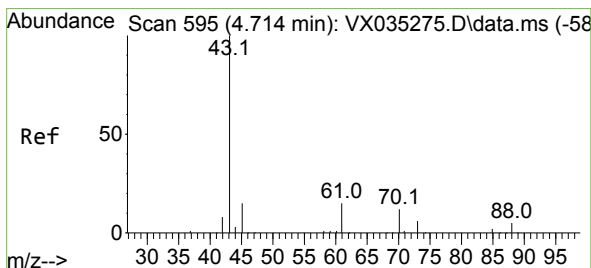
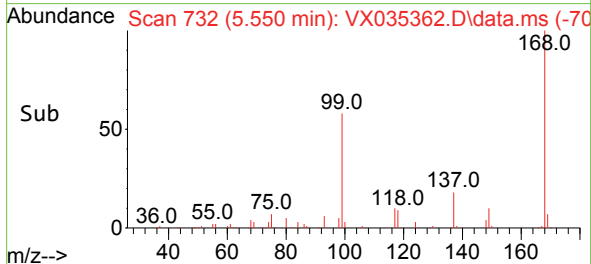
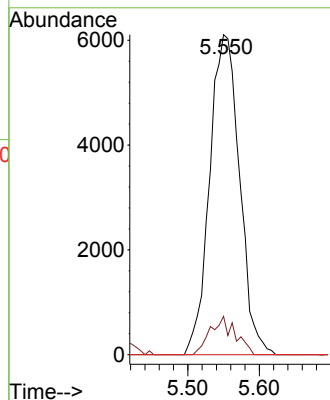
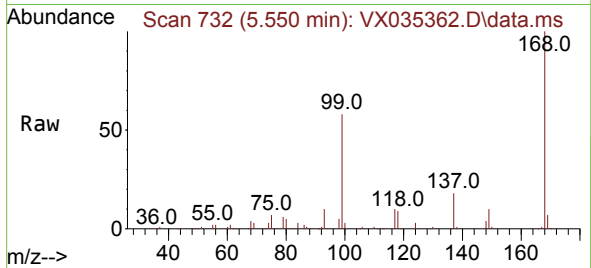




#36
1,1-Dichloropropene
Concen: 4.661 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX035362.D
Acq: 28 Apr 2023 03:49

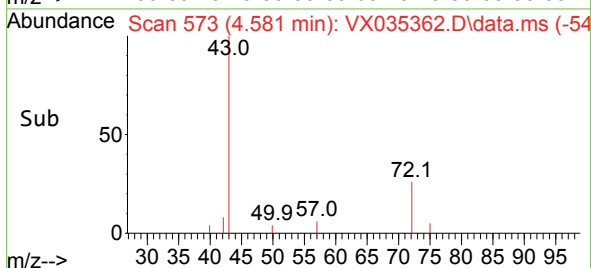
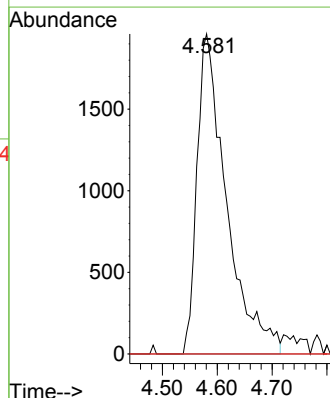
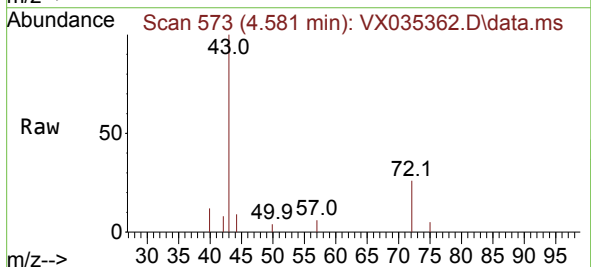
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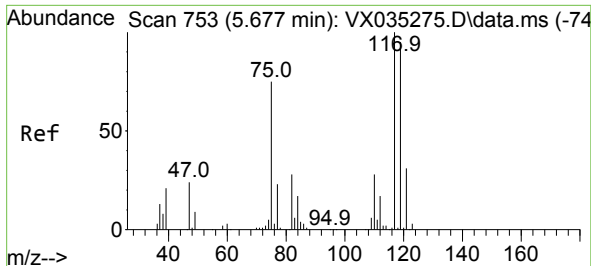
Tgt Ion: 75 Resp: 17749
Ion Ratio Lower Upper
75 100
110 10.0 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 2.104 ug/l
RT: 4.581 min Scan# 573
Delta R.T. -0.133 min
Lab File: VX035362.D
Acq: 28 Apr 2023 03:49

Tgt Ion: 43 Resp: 7319
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 8.2 12.4#

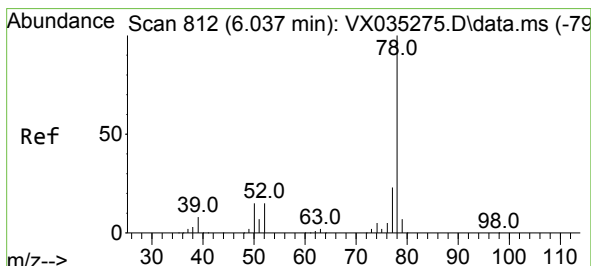
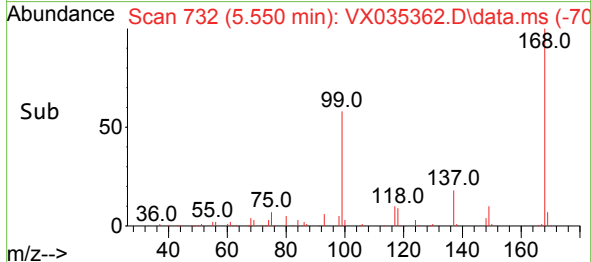
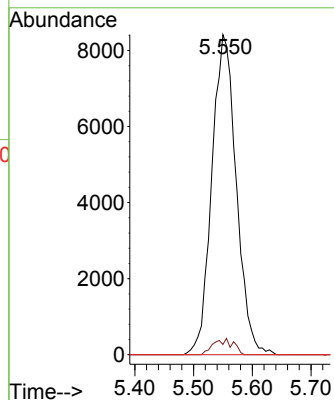
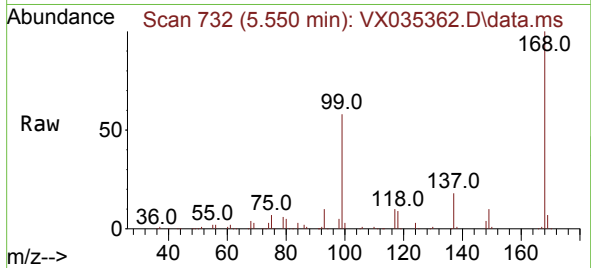




#38
Carbon Tetrachloride
Concen: 6.740 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX035362.D
Acq: 28 Apr 2023 03:49

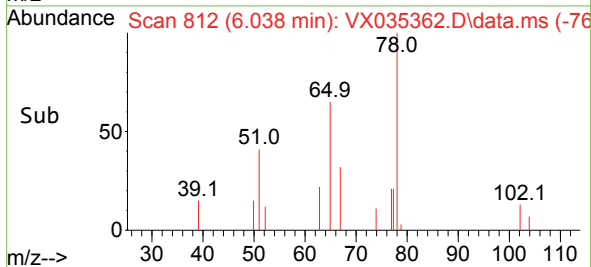
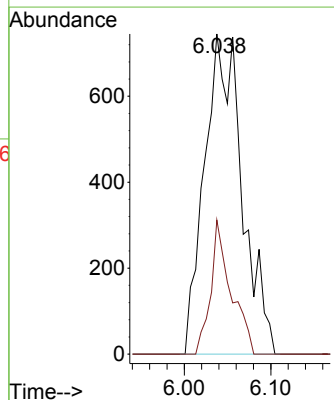
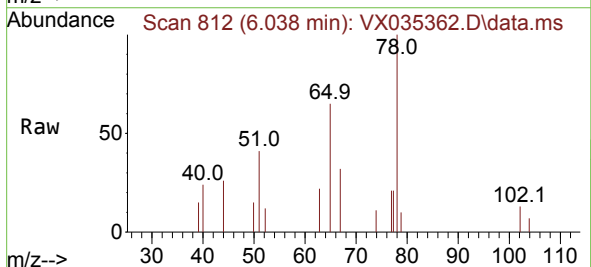
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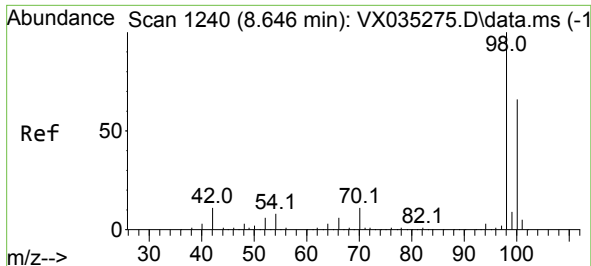
Tgt Ion:117 Resp: 24364
Ion Ratio Lower Upper
117 100
119 3.2 76.6 114.8#
121 0.0 23.8 35.6#



#40
Benzene
Concen: 0.205 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.001 min
Lab File: VX035362.D
Acq: 28 Apr 2023 03:49

Tgt Ion: 78 Resp: 2239
Ion Ratio Lower Upper
78 100
77 41.9 19.0 28.4#

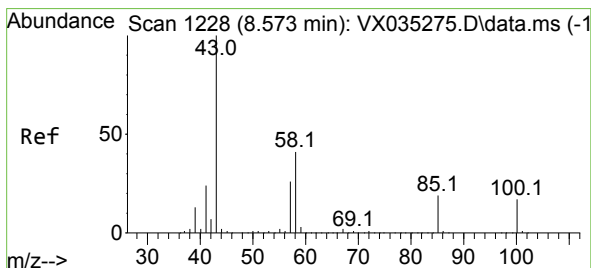
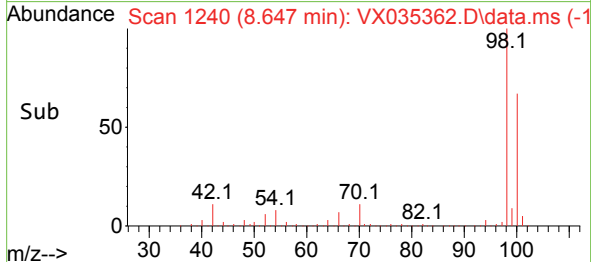
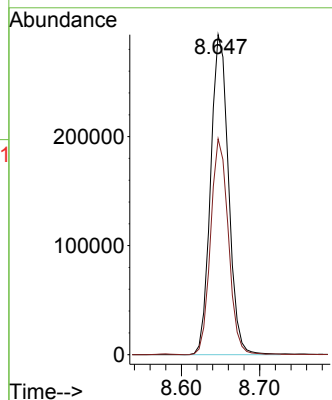
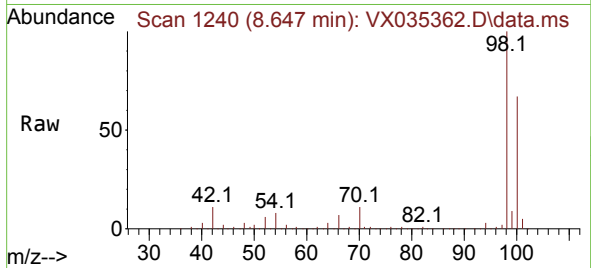




#50
Toluene-d8
Concen: 50.483 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX035362.D
Acq: 28 Apr 2023 03:49

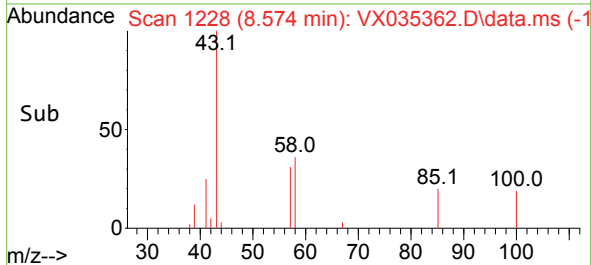
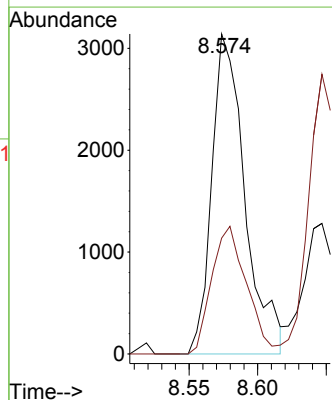
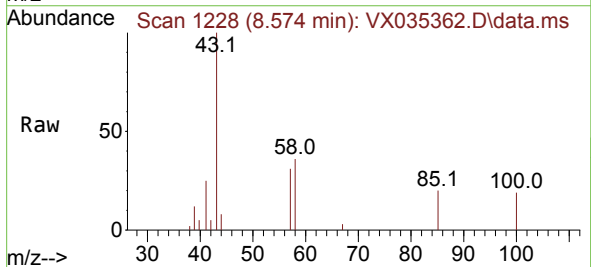
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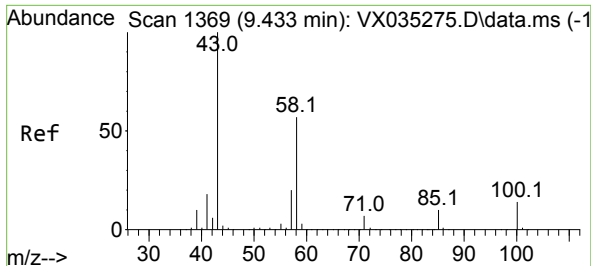
Tgt Ion: 98 Resp: 464413
Ion Ratio Lower Upper
98 100
100 67.1 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.473 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX035362.D
Acq: 28 Apr 2023 03:49

Tgt Ion: 43 Resp: 5288
Ion Ratio Lower Upper
43 100
58 41.7 30.6 46.0





#59

2-Hexanone

Concen: 0.546 ug/l

RT: 9.446 min Scan# 1371

Delta R.T. 0.013 min

Lab File: VX035362.D

Acq: 28 Apr 2023 03:49

Instrument :

MSVOA_X

ClientSampleId :

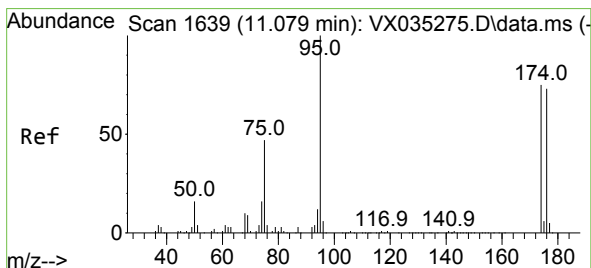
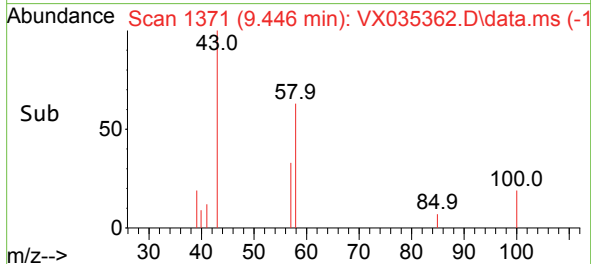
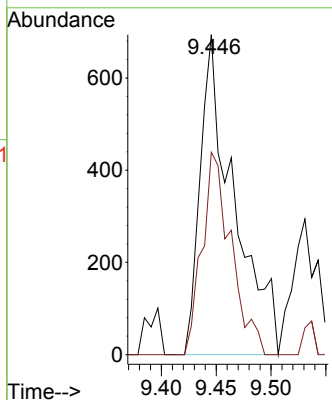
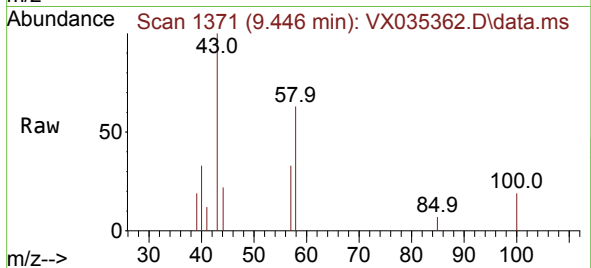
MW-5

Tgt Ion: 43 Resp: 1474

Ion Ratio Lower Upper

43 100

58 54.8 26.3 78.9



#62

4-Bromofluorobenzene

Concen: 51.406 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX035362.D

Acq: 28 Apr 2023 03:49

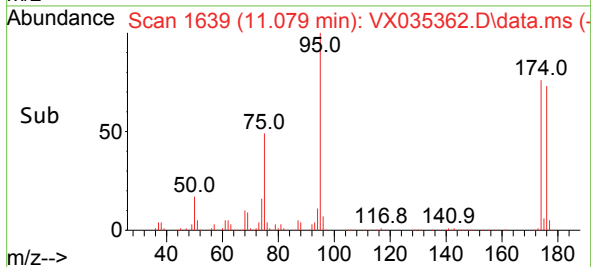
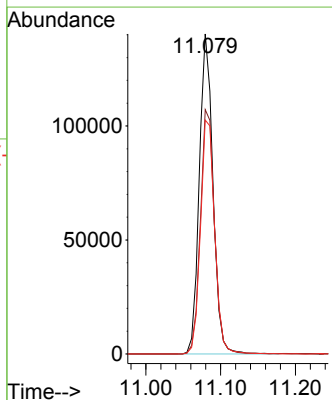
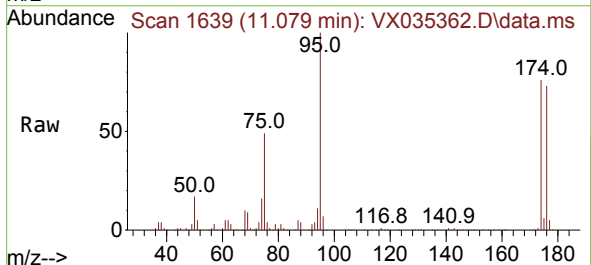
Tgt Ion: 95 Resp: 177899

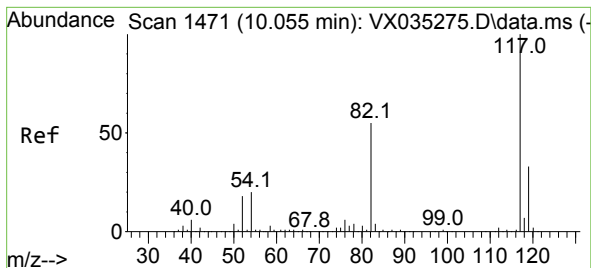
Ion Ratio Lower Upper

95 100

174 79.0 0.0 147.4

176 76.3 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: VX035362.D

Acq: 28 Apr 2023 03:49

Instrument :

MSVOA_X

ClientSampleId :

MW-5

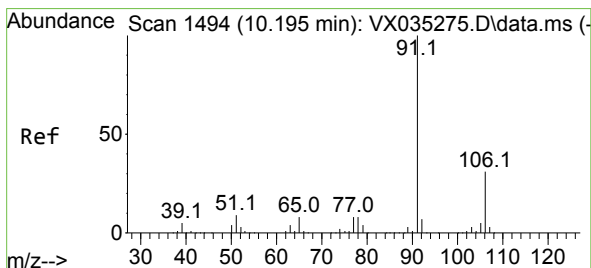
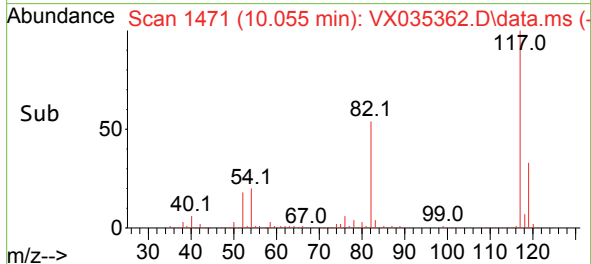
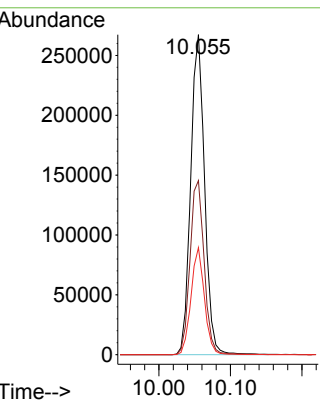
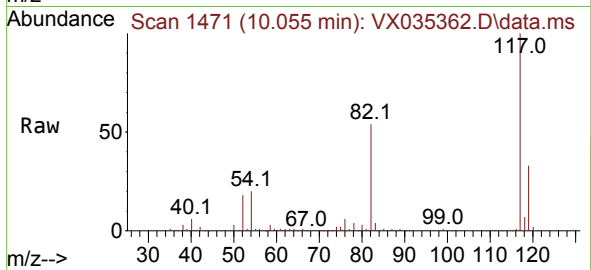
Tgt Ion:117 Resp: 361096

Ion Ratio Lower Upper

117 100

82 54.4 45.0 67.4

119 33.5 26.0 39.0



#67

Ethyl Benzene

Concen: 0.417 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX035362.D

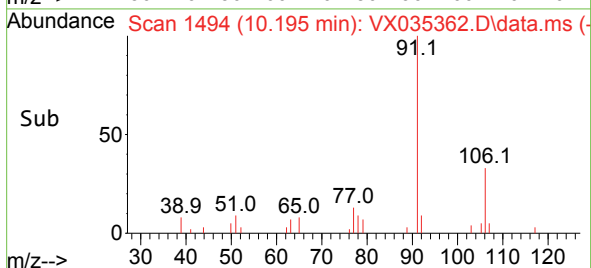
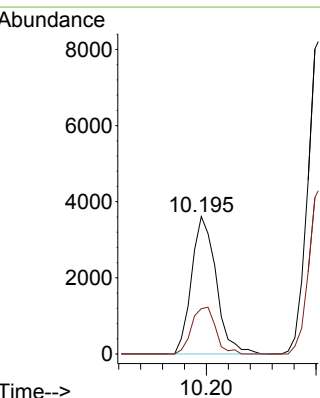
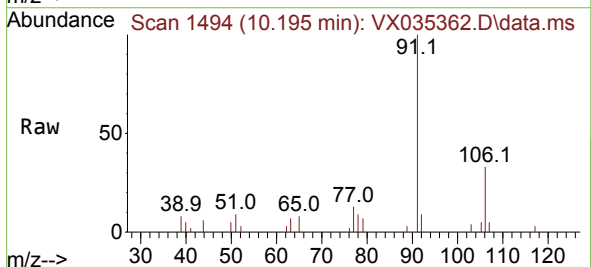
Acq: 28 Apr 2023 03:49

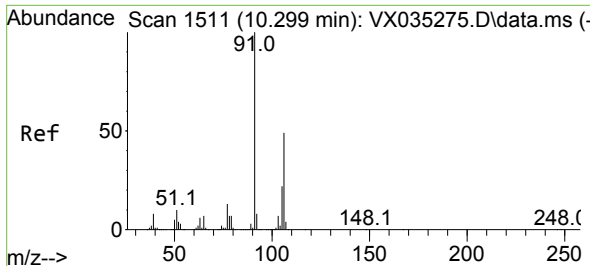
Tgt Ion: 91 Resp: 5636

Ion Ratio Lower Upper

91 100

106 33.0 25.6 38.4

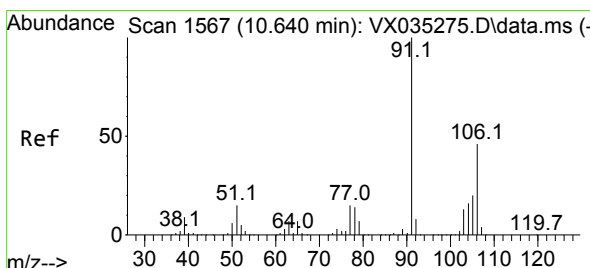
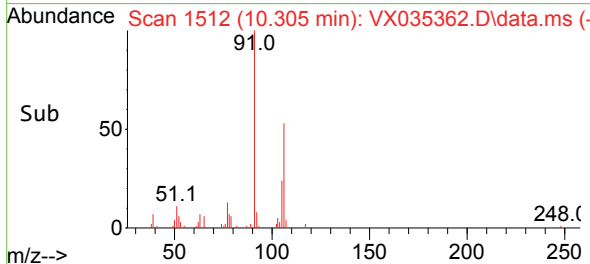
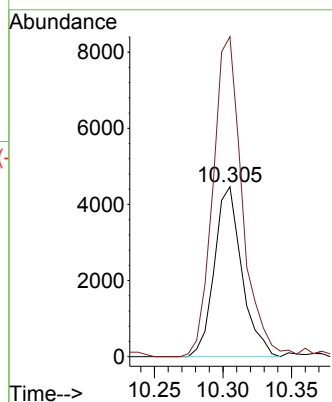
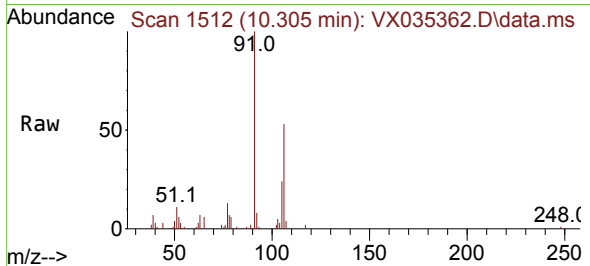




#68
m/p-Xylenes
Concen: 1.202 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX035362.D
Acq: 28 Apr 2023 03:49

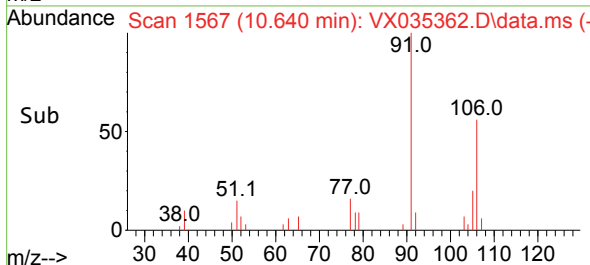
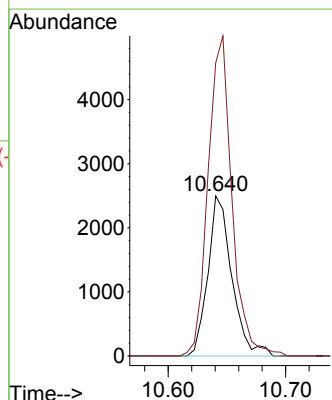
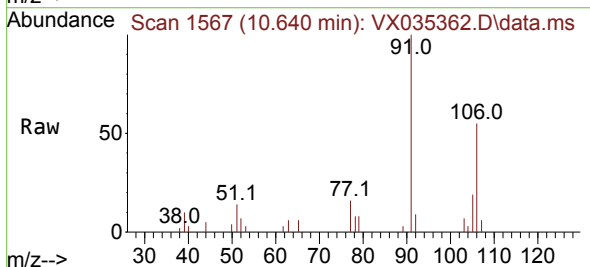
Instrument :
MSVOA_X
ClientSampleId :
MW-5

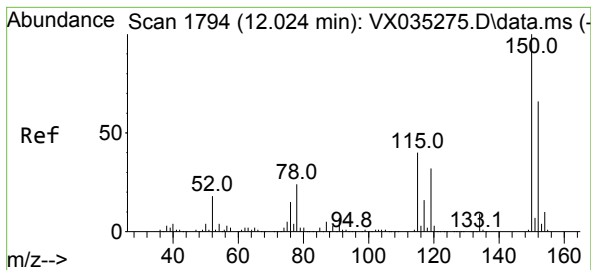
Tgt Ion:106 Resp: 6231
Ion Ratio Lower Upper
106 100
91 201.2 164.0 246.0



#69
o-Xylene
Concen: 0.696 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX035362.D
Acq: 28 Apr 2023 03:49

Tgt Ion:106 Resp: 3538
Ion Ratio Lower Upper
106 100
91 198.8 108.5 325.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035362.D

Acq: 28 Apr 2023 03:49

Instrument :

MSVOA_X

ClientSampleId :

MW-5

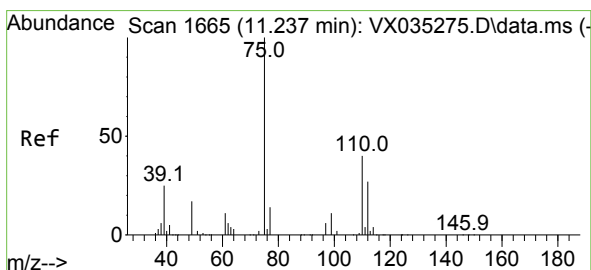
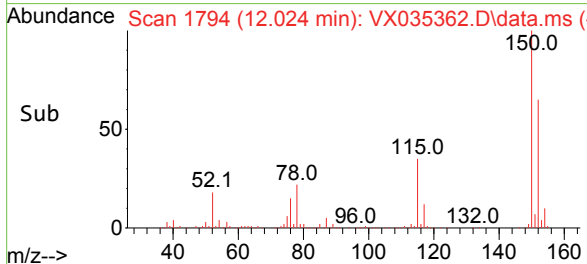
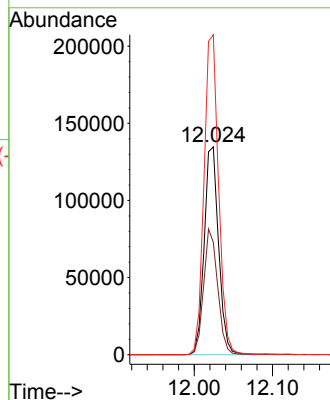
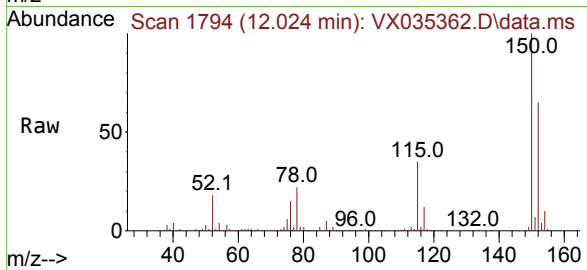
Tgt Ion:152 Resp: 172097

Ion Ratio Lower Upper

152 100

115 59.1 45.0 135.0

150 155.5 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 25.200 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX035362.D

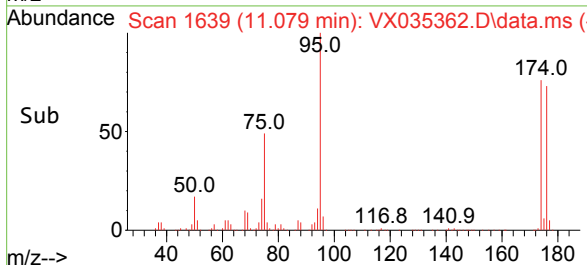
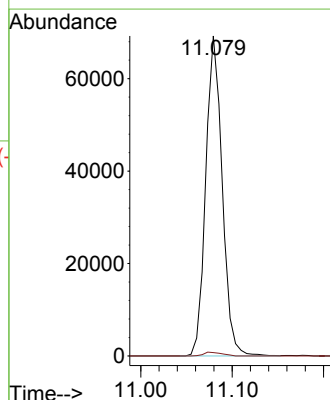
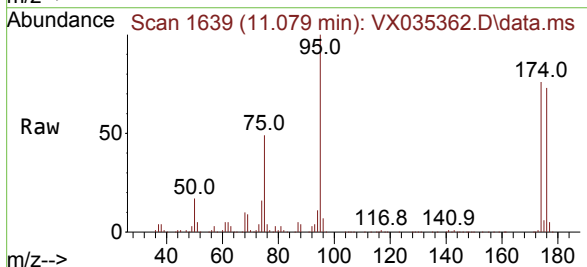
Acq: 28 Apr 2023 03:49

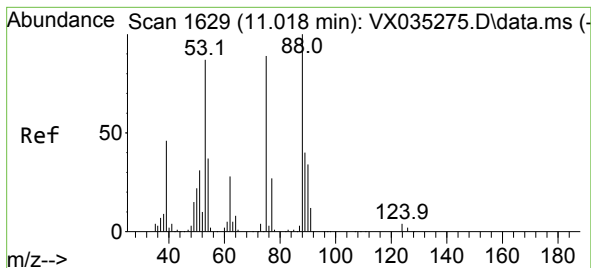
Tgt Ion: 75 Resp: 86511

Ion Ratio Lower Upper

75 100

77 1.3 21.6 64.8#

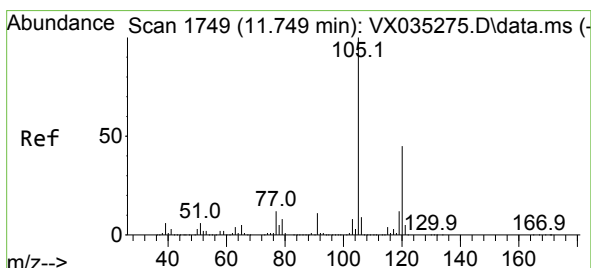
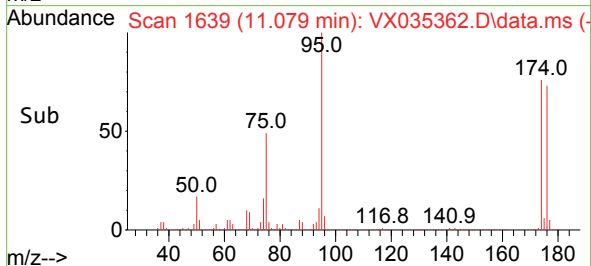
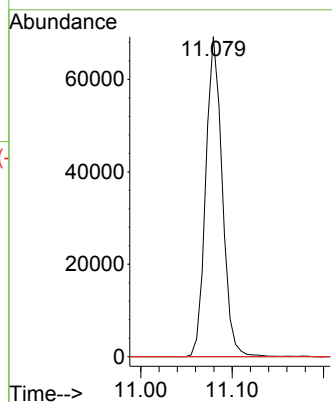
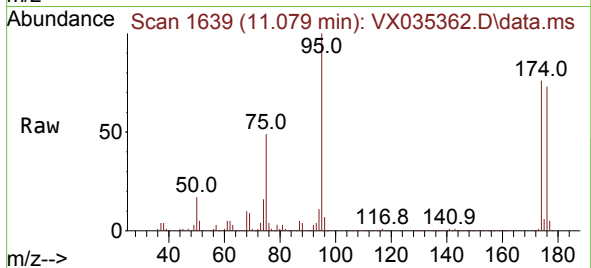




#81
trans-1,4-Dichloro-2-butene
Concen: 81.619 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035362.D
Acq: 28 Apr 2023 03:49

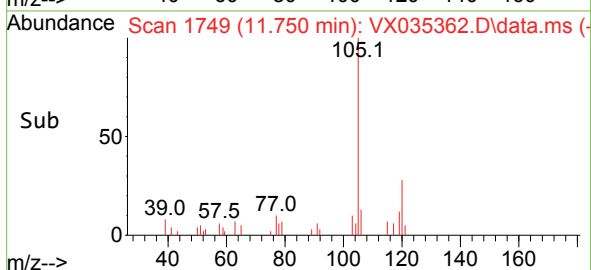
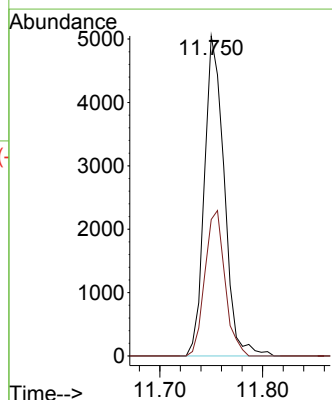
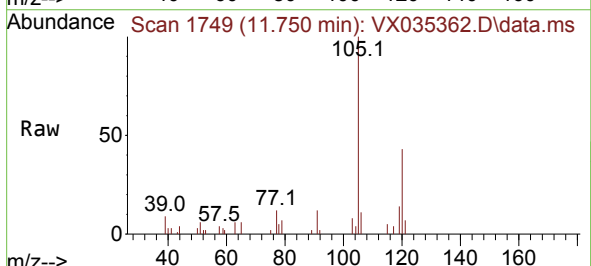
Instrument :
MSVOA_X
ClientSampleId :
MW-5

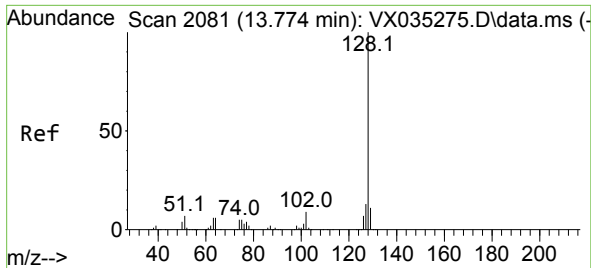
Tgt Ion: 75 Resp: 86511
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.634 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.001 min
Lab File: VX035362.D
Acq: 28 Apr 2023 03:49

Tgt Ion: 105 Resp: 6761
Ion Ratio Lower Upper
105 100
120 46.1 22.4 67.0





#95

Naphthalene

Concen: 1.135 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX035362.D

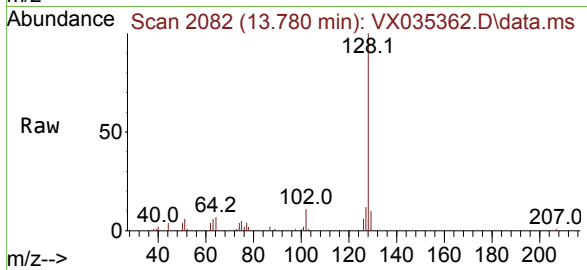
Acq: 28 Apr 2023 03:49

Instrument :

MSVOA_X

ClientSampleId :

MW-5



Tgt Ion:128 Resp: 13056

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.4

129 11.2 8.6 13.0

