

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021924\
 Data File : VX040338.D
 Acq On : 19 Feb 2024 18:07
 Operator : JC/MD
 Sample : P1440-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-3

Quant Time: Feb 20 01:19:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

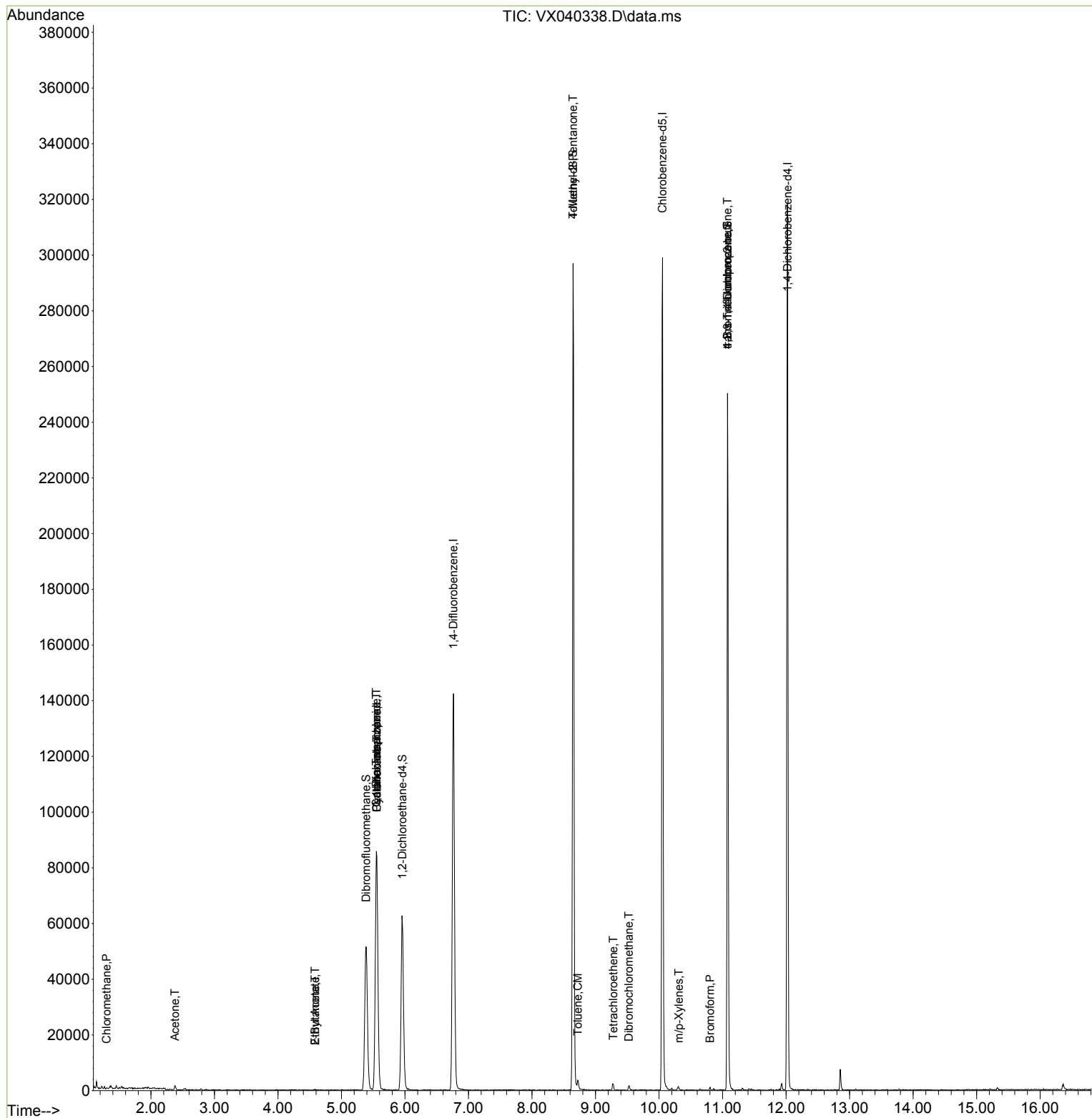
Internal Standards						
1) Pentafluorobenzene	5.556	168	77693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	137947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59906	51.829	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 103.660%		
35) Dibromofluoromethane	5.385	113	45719	47.458	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 94.920%		
50) Toluene-d8	8.647	98	169277	46.974	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 93.940%		
62) 4-Bromofluorobenzene	11.079	95	64404	43.822	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 87.640%		
Target Compounds						
						Qvalue
3) Chloromethane	1.300	50	283	0.313	ug/l #	43
16) Acetone	2.380	43	1440	3.033	ug/l #	88
20) Methylene Chloride	2.794	84	159	Below Cal	#	63
25) 2-Butanone	4.586	43	356	0.480	ug/l #	51
31) Cyclohexane	5.556	56	1846	1.339	ug/l #	30
36) 1,1-Dichloropropene	5.550	75	7181	5.321	ug/l #	50
37) Ethyl Acetate	4.586	43	356	0.237	ug/l #	69
38) Carbon Tetrachloride	5.550	117	8245	6.426	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	917	0.573	ug/l #	1
52) Toluene	8.720	92	1252	0.506	ug/l	92
60) Dibromochloromethane	9.525	129	427	0.398	ug/l	79
64) Tetrachloroethene	9.281	164	359	0.390	ug/l #	63
68) m/p-Xylenes	10.311	106	405	0.220	ug/l	85
71) Bromoform	10.805	173	372	2.470	ug/l #	98
76) 1,2,3-Trichloropropane	11.079	75	35303	26.708	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	35303	73.224	ug/l #	5

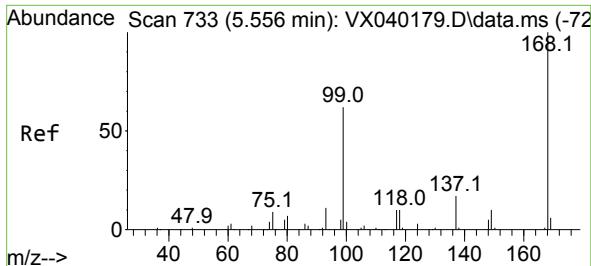
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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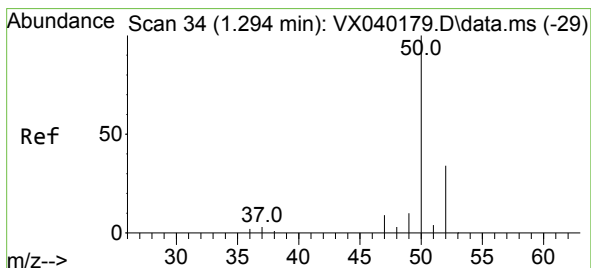
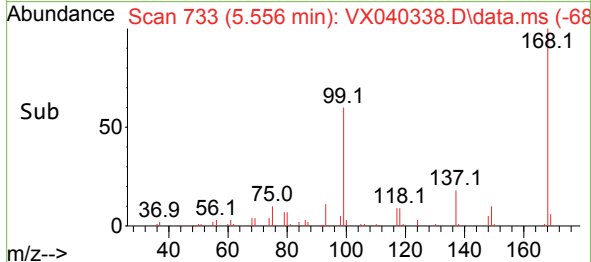
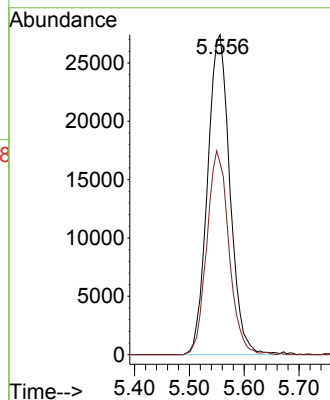
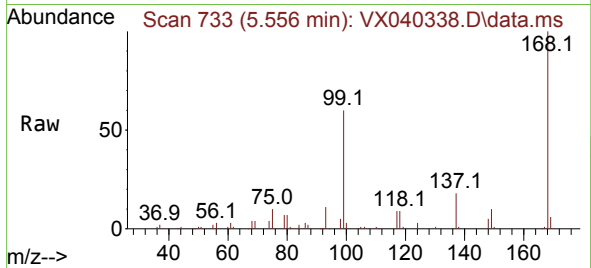




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040338.D
Acq: 19 Feb 2024 18:07

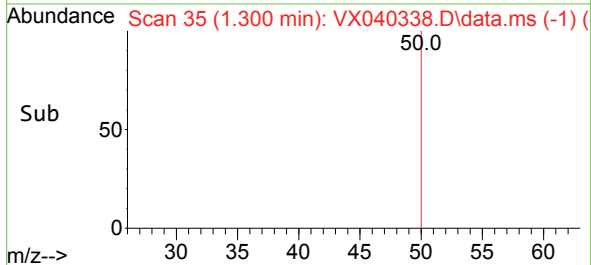
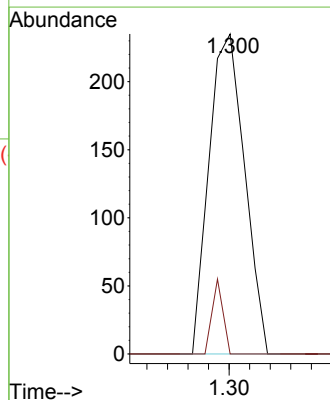
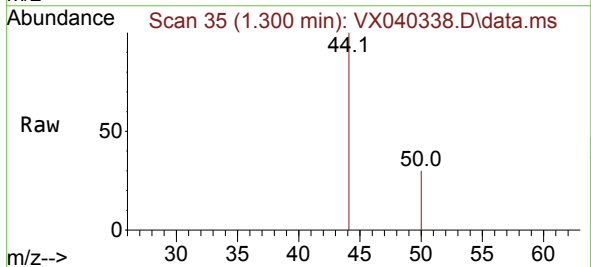
Instrument :
MSVOA_X
ClientSampleId :
TW-3

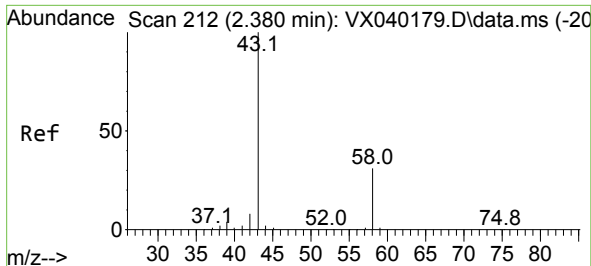
Tgt Ion:168 Resp: 77693
Ion Ratio Lower Upper
168 100
99 59.9 56.6 85.0



#3
Chloromethane
Concen: 0.313 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX040338.D
Acq: 19 Feb 2024 18:07

Tgt Ion: 50 Resp: 283
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#





#16

Acetone

Concen: 3.033 ug/l

RT: 2.380 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX040338.D

Acq: 19 Feb 2024 18:07

Instrument :

MSVOA_X

ClientSampleId :

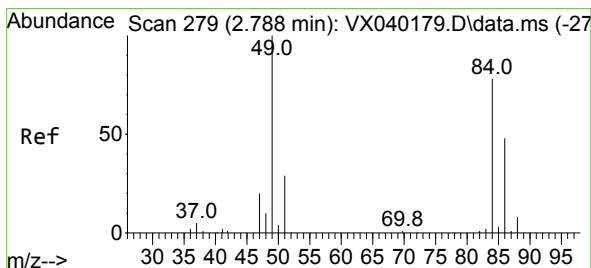
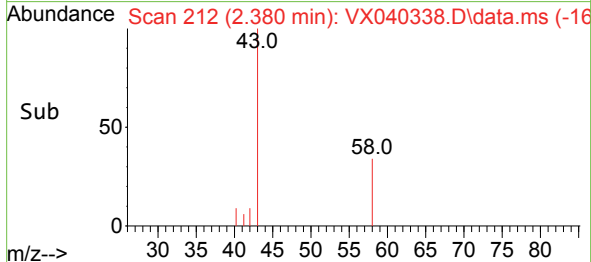
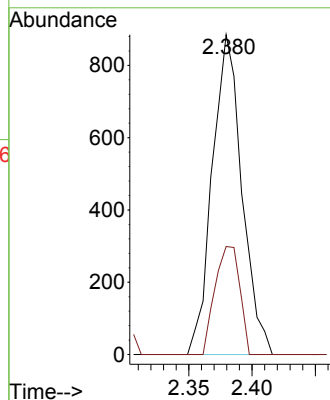
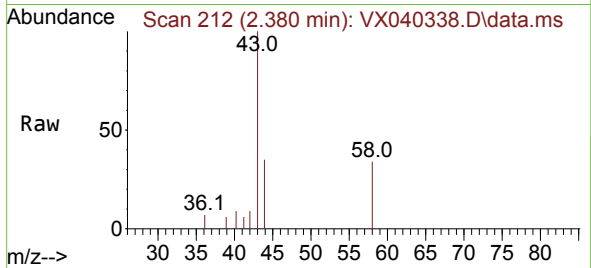
TW-3

Tgt Ion: 43 Resp: 1440

Ion Ratio Lower Upper

43 100

58 33.8 21.9 32.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX040338.D

Acq: 19 Feb 2024 18:07

Tgt Ion: 84 Resp: 159

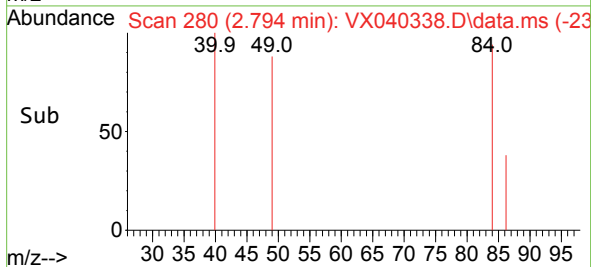
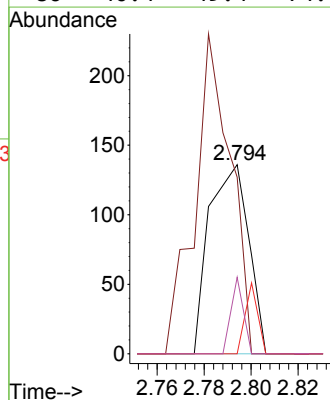
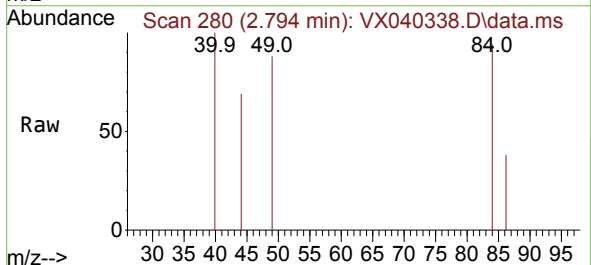
Ion Ratio Lower Upper

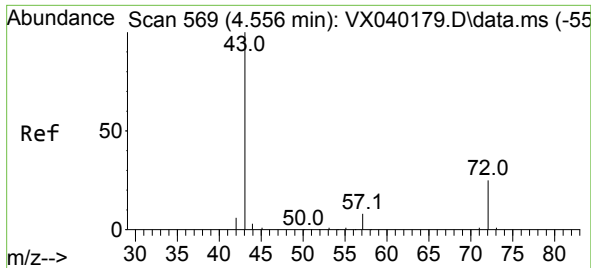
84 100

49 93.4 103.6 155.4#

51 0.0 33.8 50.6#

86 40.4 49.4 74.0#

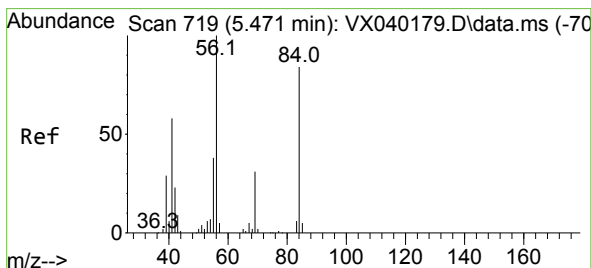
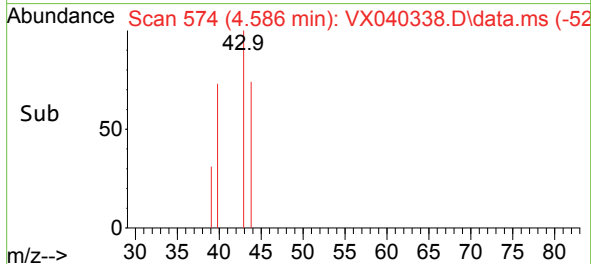
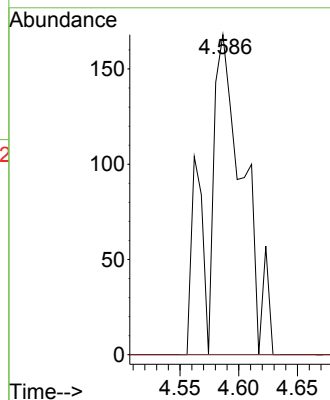
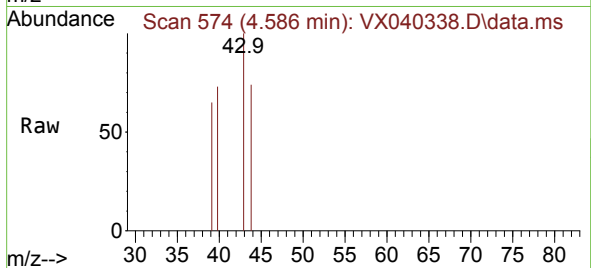




#25
2-Butanone
Concen: 0.480 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX040338.D
Acq: 19 Feb 2024 18:07

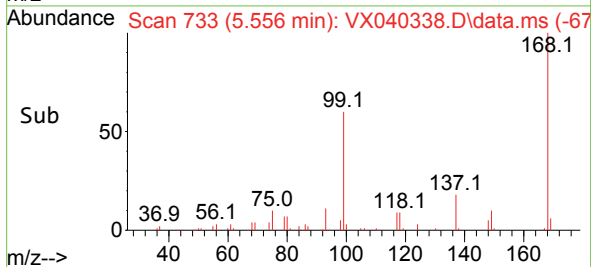
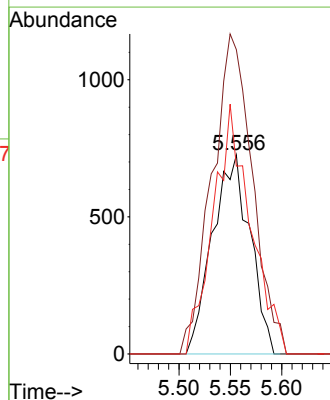
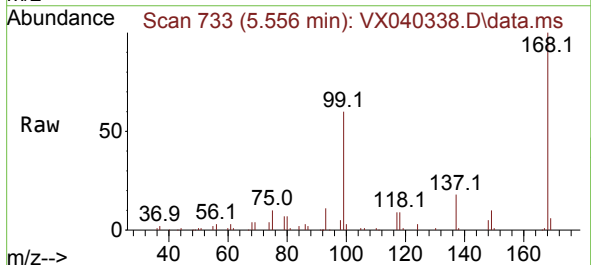
Instrument :
MSVOA_X
ClientSampleId :
TW-3

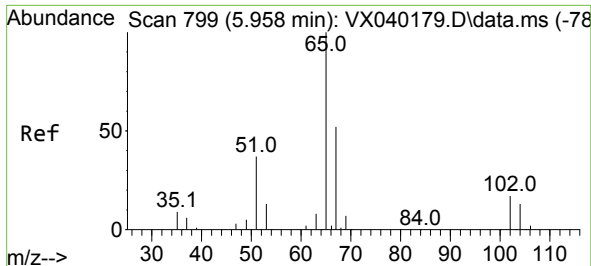
Tgt Ion: 43 Resp: 356
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#31
Cyclohexane
Concen: 1.339 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX040338.D
Acq: 19 Feb 2024 18:07

Tgt Ion: 56 Resp: 1846
Ion Ratio Lower Upper
56 100
69 152.9 23.4 35.2#
84 94.4 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 51.829 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX040338.D

Acq: 19 Feb 2024 18:07

Instrument :

MSVOA_X

ClientSampleId :

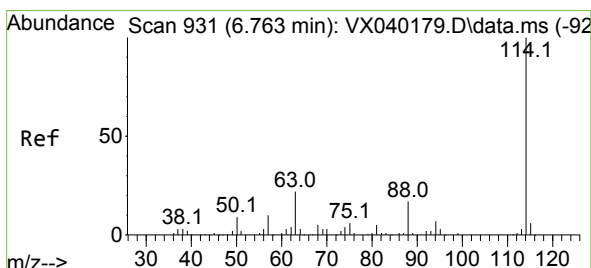
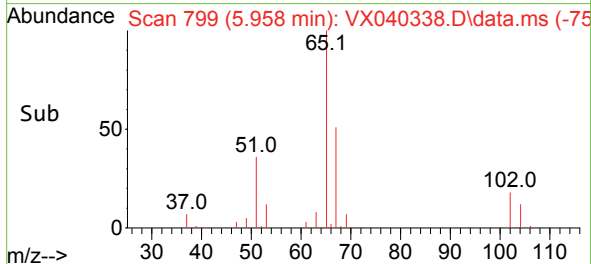
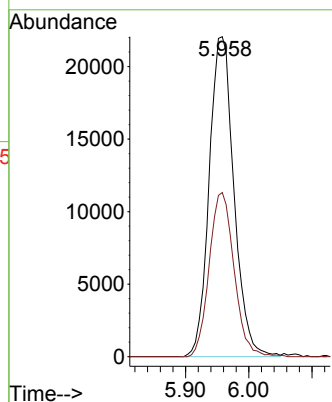
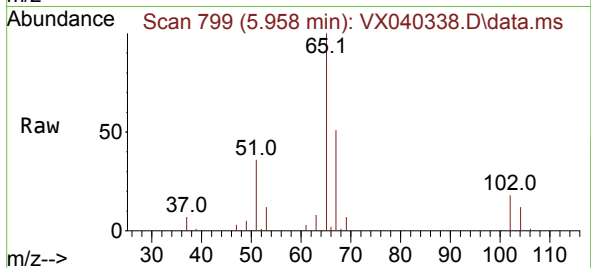
TW-3

Tgt Ion: 65 Resp: 59906

Ion Ratio Lower Upper

65 100

67 51.6 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: VX040338.D

Acq: 19 Feb 2024 18:07

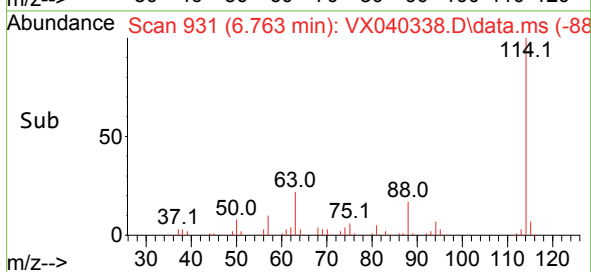
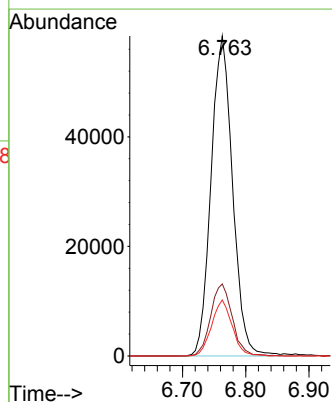
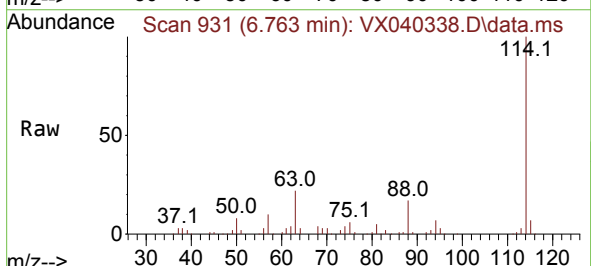
Tgt Ion: 114 Resp: 137947

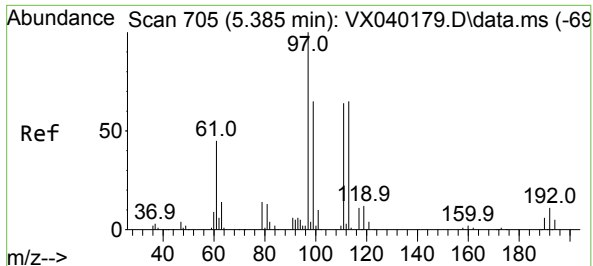
Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.0

88 17.5 0.0 36.6

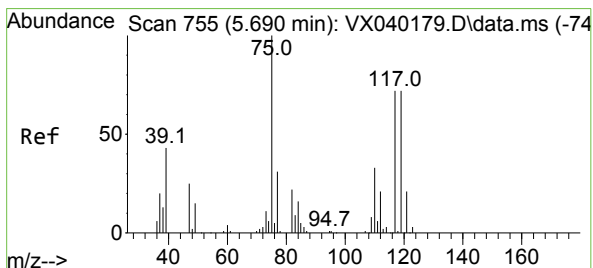
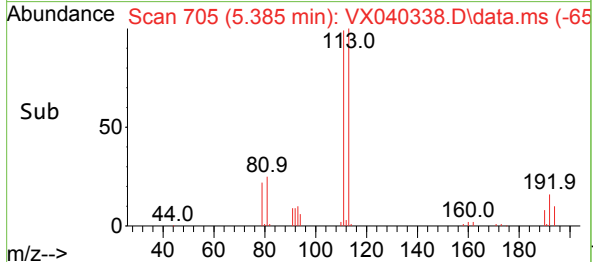
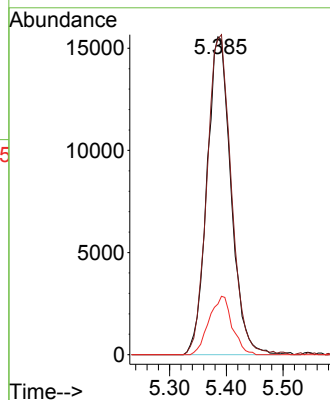
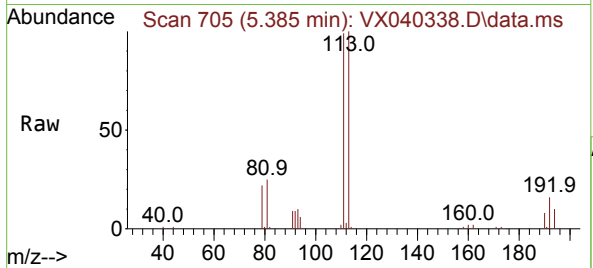




#35
Dibromofluoromethane
Concen: 47.458 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040338.D
Acq: 19 Feb 2024 18:07

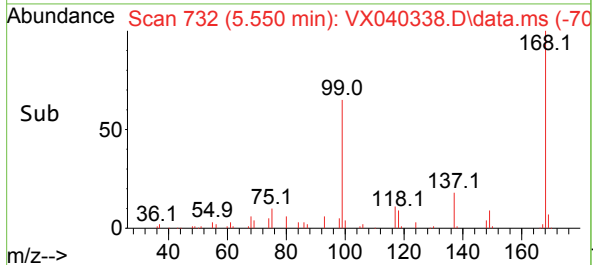
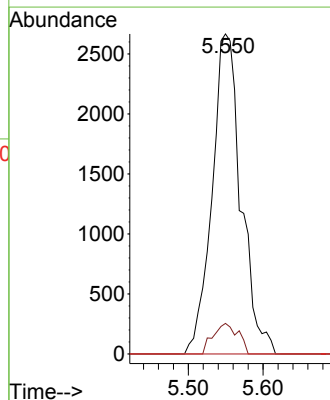
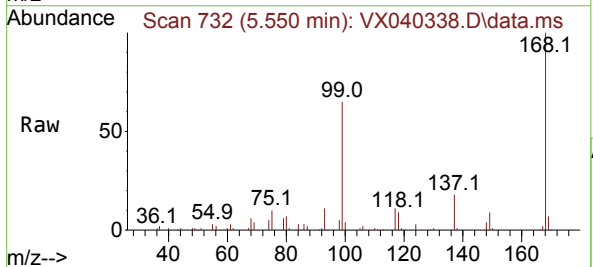
Instrument :
MSVOA_X
ClientSampleId :
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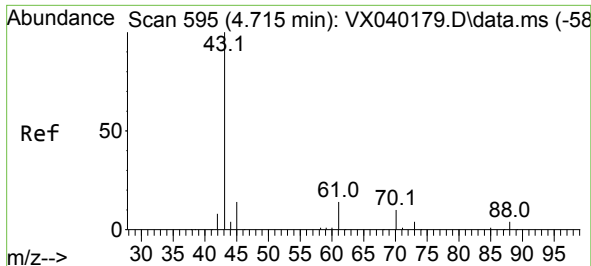
Tgt Ion:	113	Resp:	45719
Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.9	124.3
192	17.7	13.3	19.9



#36
1,1-Dichloropropene
Concen: 5.321 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX040338.D
Acq: 19 Feb 2024 18:07

Tgt Ion:	75	Resp:	7181
Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.0	50.9#
77	0.0	24.7	37.1#





#37

Ethyl Acetate

Concen: 0.237 ug/l

RT: 4.586 min Scan# 51

Delta R.T. -0.134 min

Lab File: VX040338.D

Acq: 19 Feb 2024 18:07

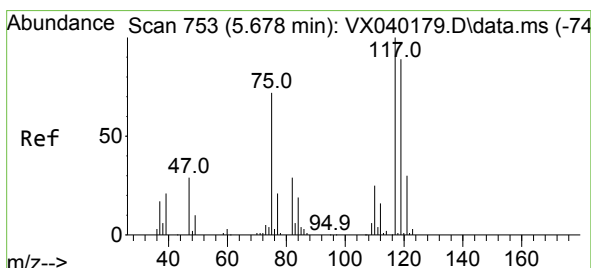
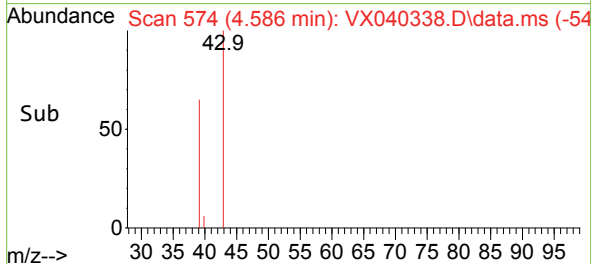
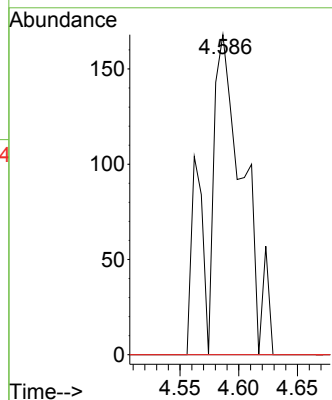
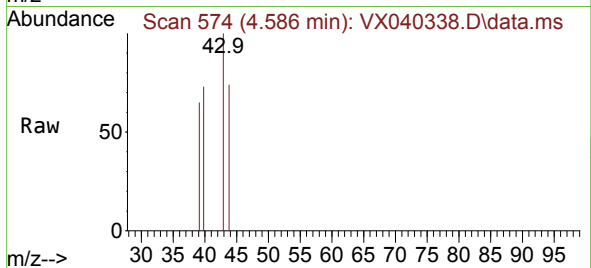
Instrument :

MSVOA_X

ClientSampleId :

TW-3

Tgt Ion:	43	Resp:	356
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 6.426 ug/l

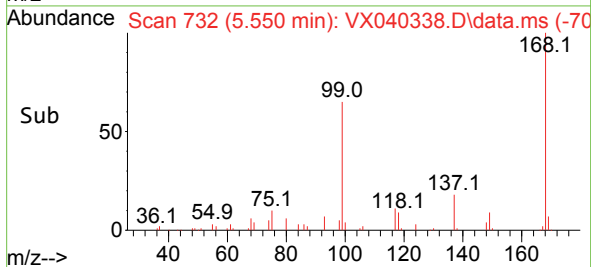
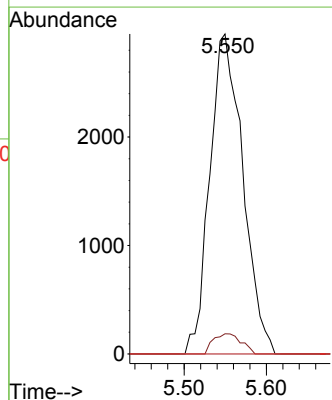
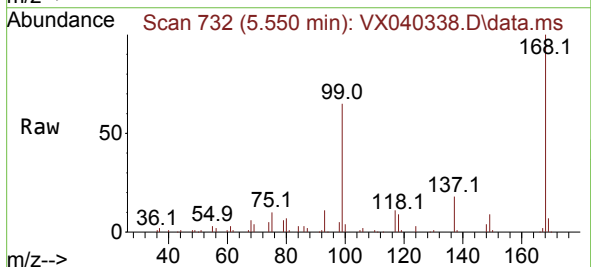
RT: 5.550 min Scan# 732

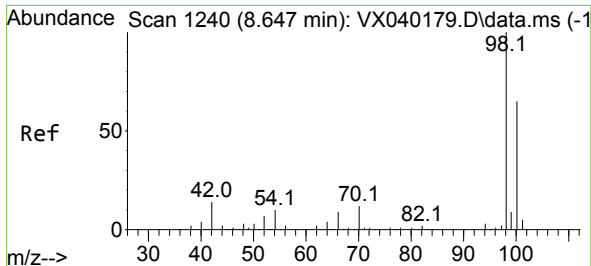
Delta R.T. -0.122 min

Lab File: VX040338.D

Acq: 19 Feb 2024 18:07

Tgt Ion:	117	Resp:	8245
Ion	Ratio	Lower	Upper
117	100		
119	6.3	78.2	117.2#
121	0.0	24.4	36.6#

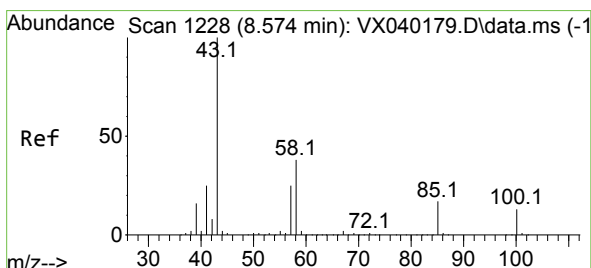
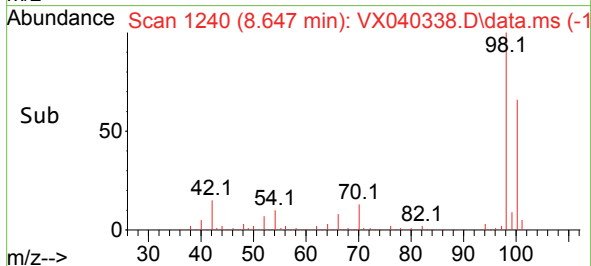
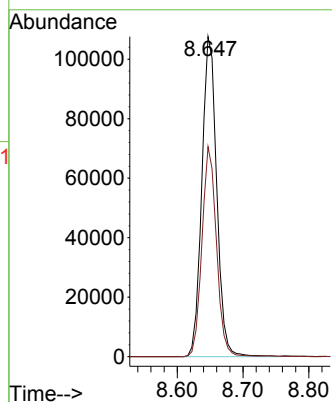
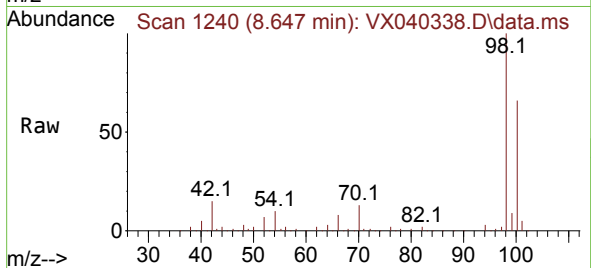




#50
Toluene-d8
Concen: 46.974 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040338.D
Acq: 19 Feb 2024 18:07

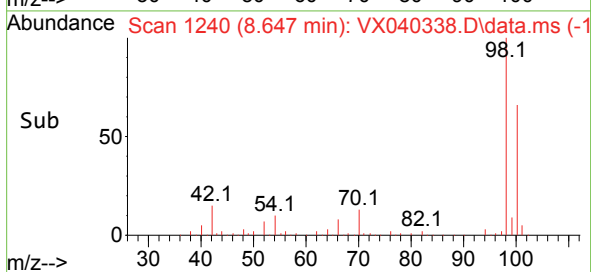
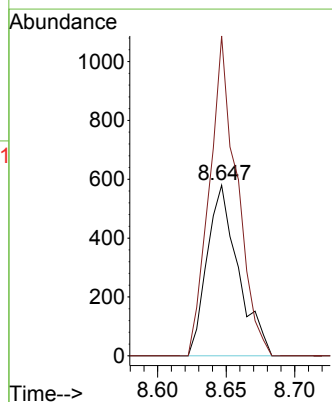
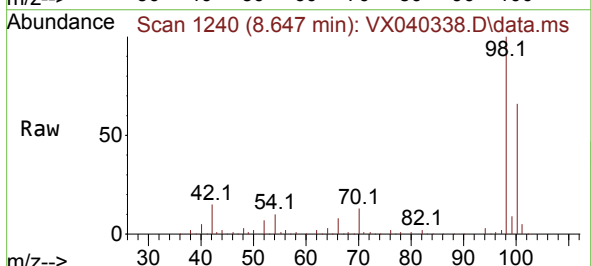
Instrument :
MSVOA_X
ClientSampleId :
TW-3

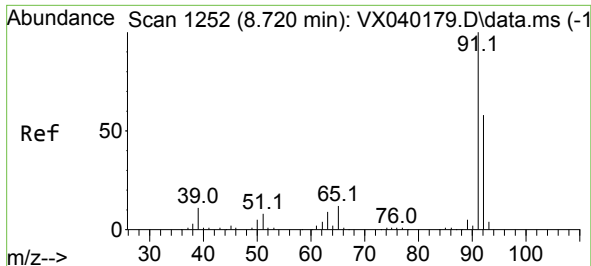
Tgt Ion: 98 Resp: 169277
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.573 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX040338.D
Acq: 19 Feb 2024 18:07

Tgt Ion: 43 Resp: 917
Ion Ratio Lower Upper
43 100
58 166.0 30.4 45.6#

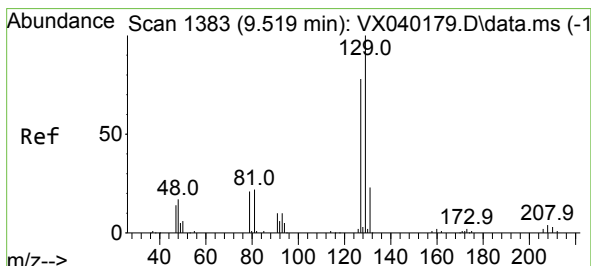
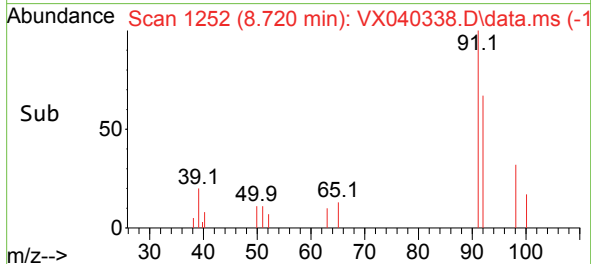
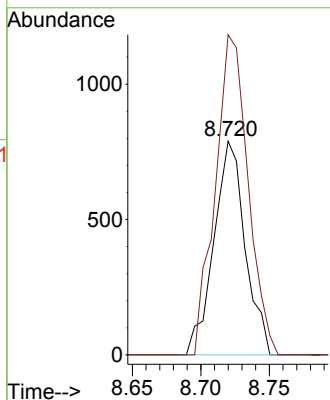
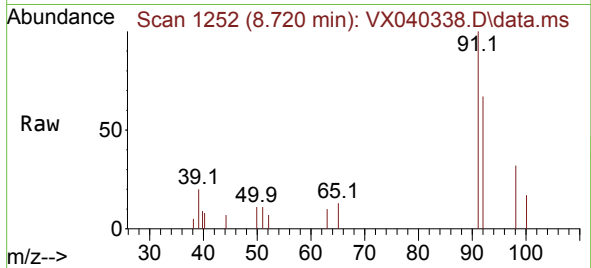




#52
Toluene
Concen: 0.506 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX040338.D
Acq: 19 Feb 2024 18:07

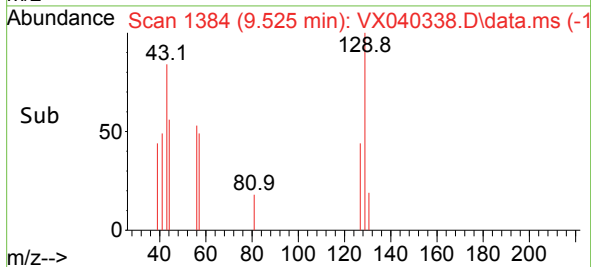
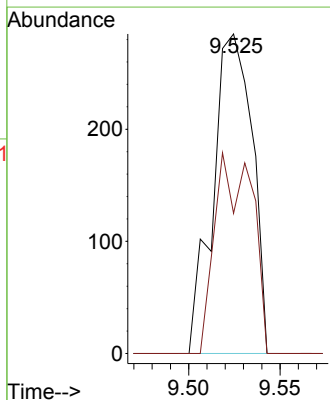
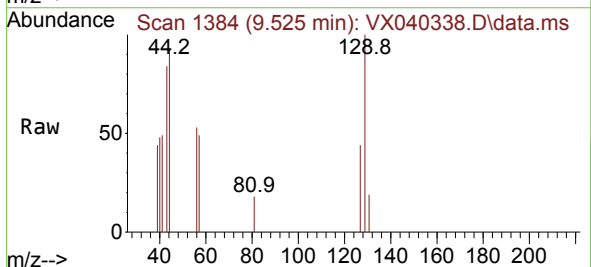
Instrument :
MSVOA_X
ClientSampleId :
TW-3

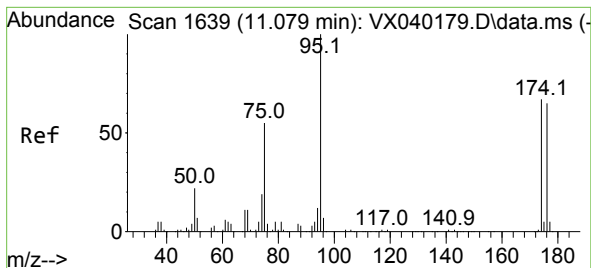
Tgt Ion: 92 Resp: 1252
Ion Ratio Lower Upper
92 100
91 157.1 134.2 201.2



#60
Dibromochloromethane
Concen: 0.398 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX040338.D
Acq: 19 Feb 2024 18:07

Tgt Ion: 129 Resp: 427
Ion Ratio Lower Upper
129 100
127 59.7 38.8 116.4

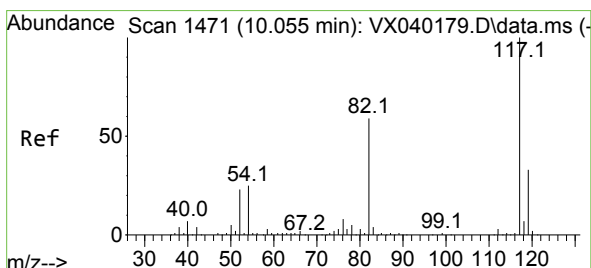
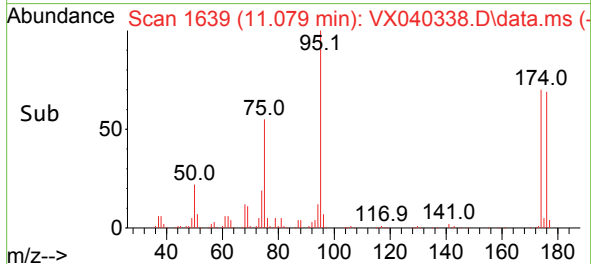
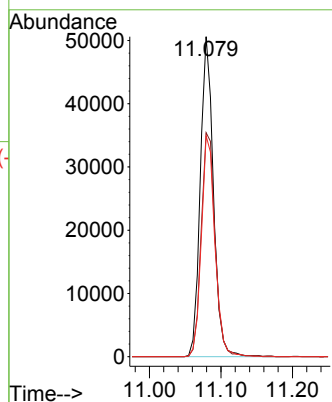
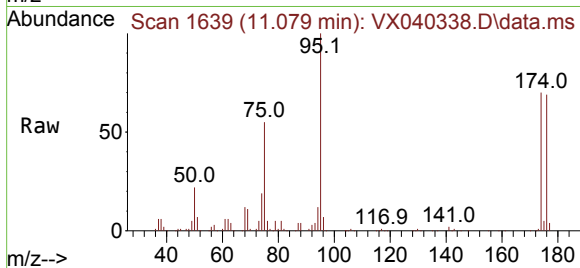




#62
4-Bromofluorobenzene
Concen: 43.822 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040338.D
Acq: 19 Feb 2024 18:07

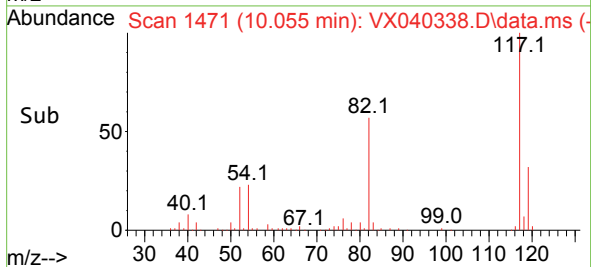
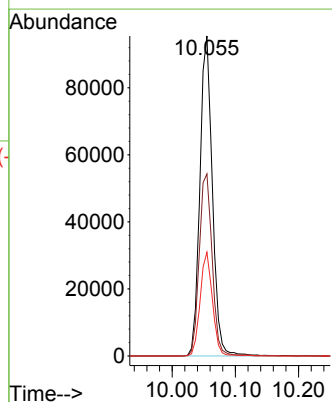
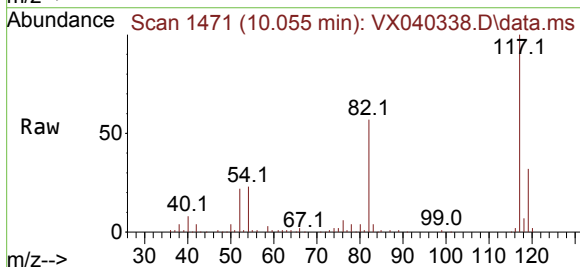
Instrument :
MSVOA_X
ClientSampleId :
TW-3

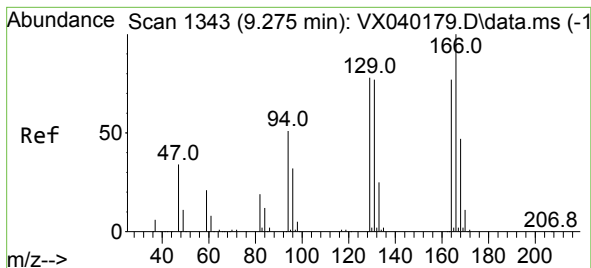
Tgt Ion: 95 Resp: 64404
Ion Ratio Lower Upper
95 100
174 74.4 0.0 135.6
176 71.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040338.D
Acq: 19 Feb 2024 18:07

Tgt Ion: 117 Resp: 131272
Ion Ratio Lower Upper
117 100
82 56.9 46.2 69.4
119 32.4 25.5 38.3





#64

Tetrachloroethene

Concen: 0.390 ug/l

RT: 9.281 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX040338.D

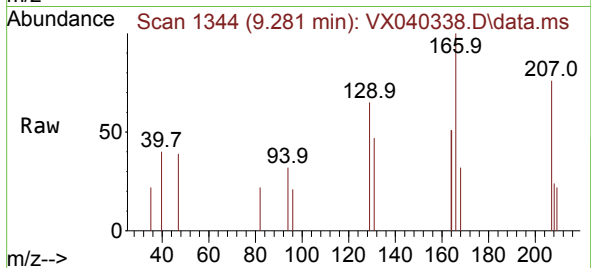
Acq: 19 Feb 2024 18:07

Instrument :

MSVOA_X

ClientSampleId :

TW-3



Tgt Ion:164 Resp: 359

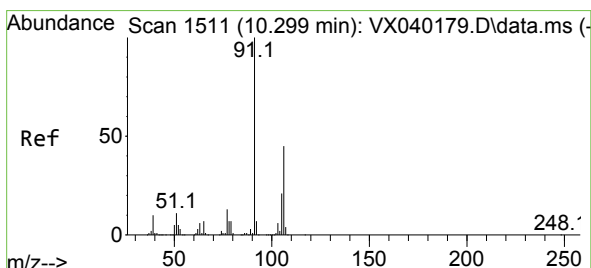
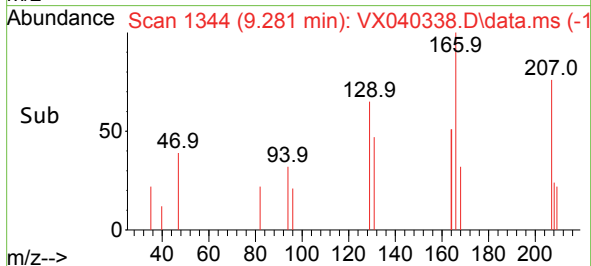
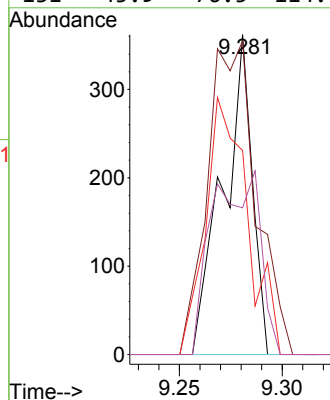
Ion Ratio Lower Upper

164 100

166 98.1 102.7 154.1#

129 63.8 80.4 120.6#

131 45.9 76.5 114.7#



#68

m/p-Xylenes

Concen: 0.220 ug/l

RT: 10.311 min Scan# 1513

Delta R.T. 0.012 min

Lab File: VX040338.D

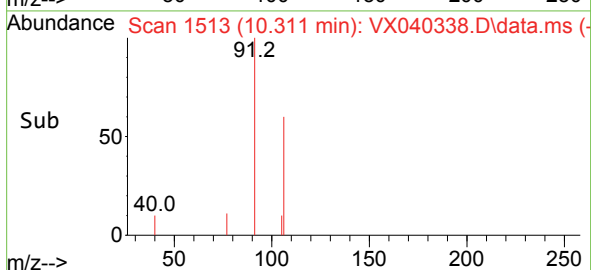
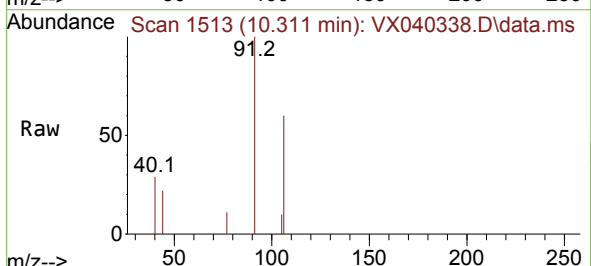
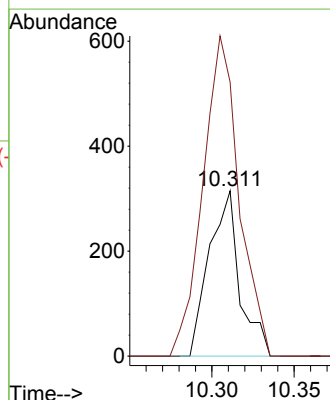
Acq: 19 Feb 2024 18:07

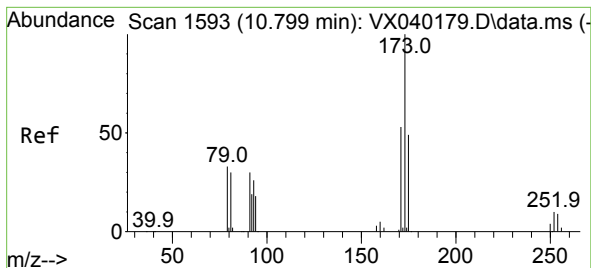
Tgt Ion:106 Resp: 405

Ion Ratio Lower Upper

106 100

91 230.4 165.5 248.3





#71

Bromoform

Concen: 2.470 ug/l

RT: 10.805 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040338.D

Acq: 19 Feb 2024 18:07

Instrument :

MSVOA_X

ClientSampleId :

TW-3

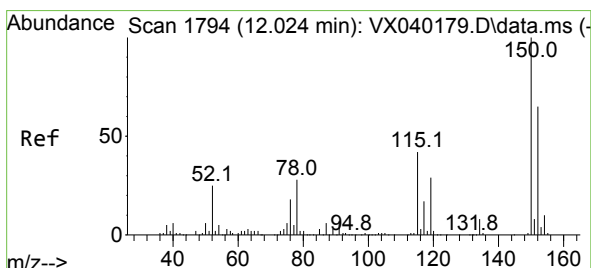
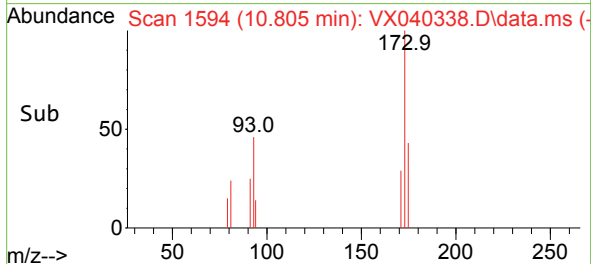
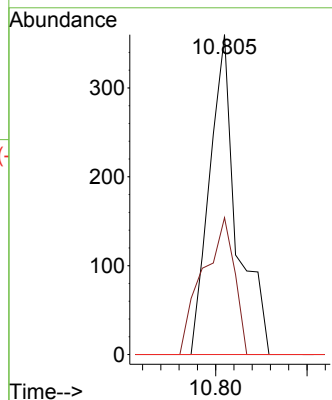
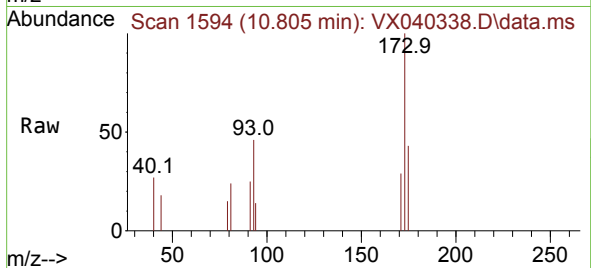
Tgt Ion:173 Resp: 372

Ion Ratio Lower Upper

173 100

175 49.7 24.1 72.4

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX040338.D

Acq: 19 Feb 2024 18:07

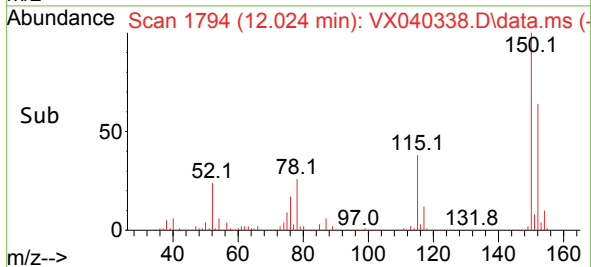
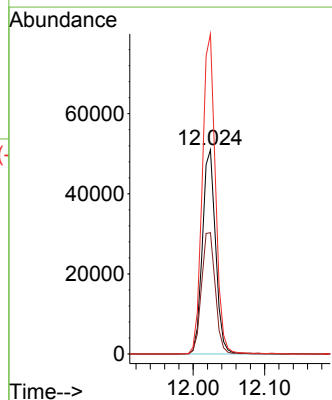
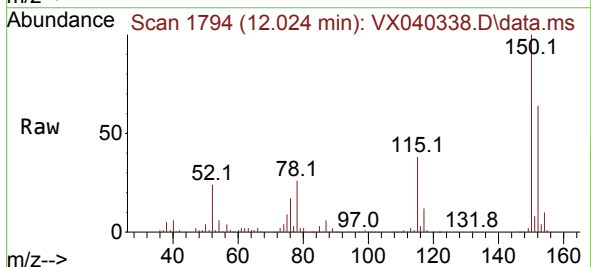
Tgt Ion:152 Resp: 65274

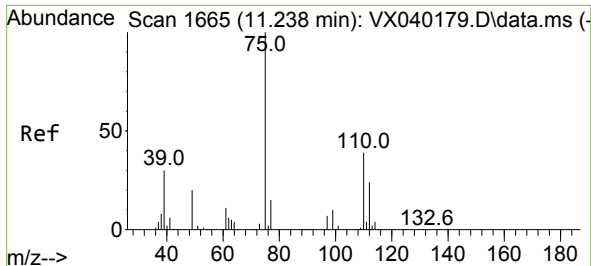
Ion Ratio Lower Upper

152 100

115 61.9 43.3 129.9

150 156.7 0.0 345.0

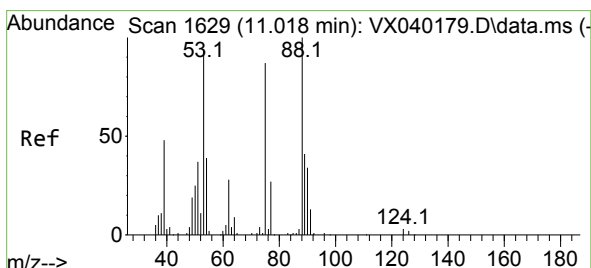
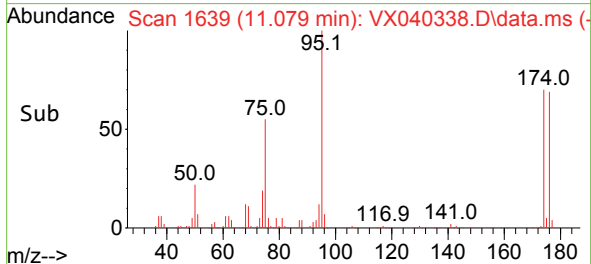
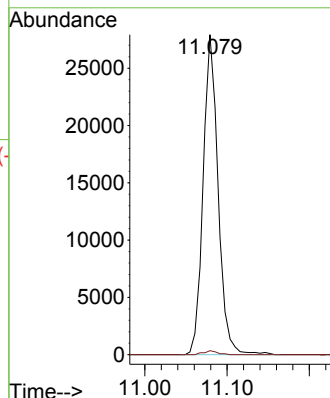
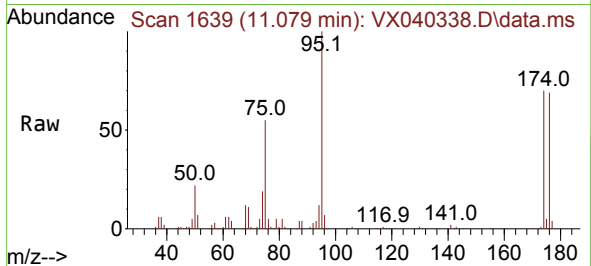




#76
1,2,3-Trichloropropane
Concen: 26.708 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040338.D
Acq: 19 Feb 2024 18:07

Instrument :
MSVOA_X
ClientSampleId :
TW-3

Tgt Ion: 75 Resp: 35303
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.224 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040338.D
Acq: 19 Feb 2024 18:07

Tgt Ion: 75 Resp: 35303
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#

