

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022124\
 Data File : VX040388.D
 Acq On : 21 Feb 2024 17:45
 Operator : JC/MD
 Sample : P1532-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D1-20240216

Quant Time: Feb 22 01:12:00 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. QIon		Response	Conc	Units	Dev(Min)

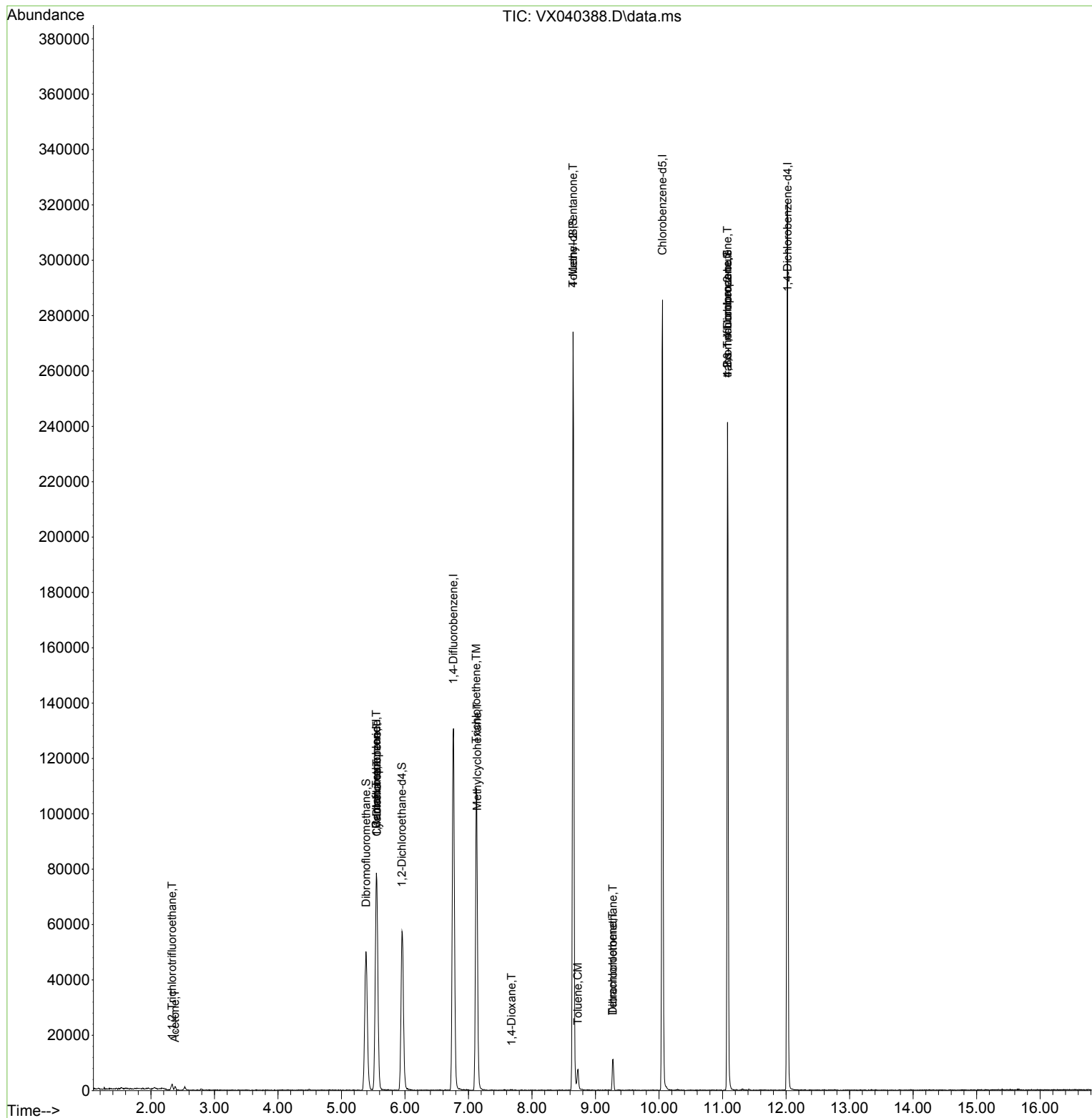
Internal Standards						
1) Pentafluorobenzene	5.550	168	69613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	129633	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57155	55.188	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.380%
35) Dibromofluoromethane	5.385	113	42487	46.932	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.860%
50) Toluene-d8	8.647	98	156775	46.295	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.600%
62) 4-Bromofluorobenzene	11.079	95	62762	45.443	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.880%
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.331	101	833	1.128	ug/l	94
16) Acetone	2.380	43	1253	2.946	ug/l #	86
20) Methylene Chloride	2.782	84	166	Below Cal	#	24
31) Cyclohexane	5.556	56	2125	1.720	ug/l #	13
36) 1,1-Dichloropropene	5.556	75	6521	5.142	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7314	6.066	ug/l #	18
39) Methylcyclohexane	7.135	83	593	0.402	ug/l #	4
44) Trichloroethene	7.123	130	38894	39.760	ug/l	99
49) 1,4-Dioxane	7.677	88	285	11.623	ug/l #	33
51) 4-Methyl-2-Pentanone	8.647	43	874	0.581	ug/l #	1
52) Toluene	8.720	92	2835	1.220	ug/l	94
60) Dibromochloromethane	9.275	129	2167	2.147	ug/l #	11
64) Tetrachloroethene	9.269	164	1916	2.221	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	35116	27.210	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	35116	74.534	ug/l #	5

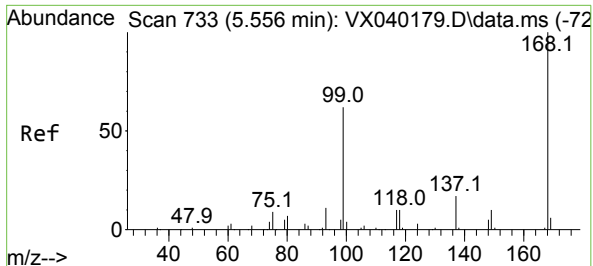
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

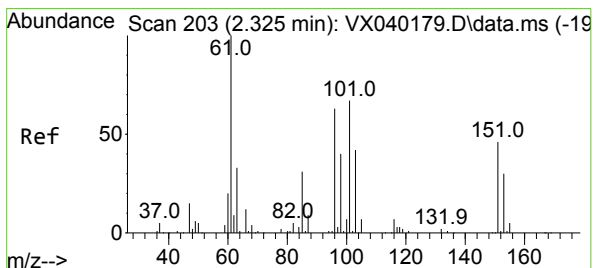
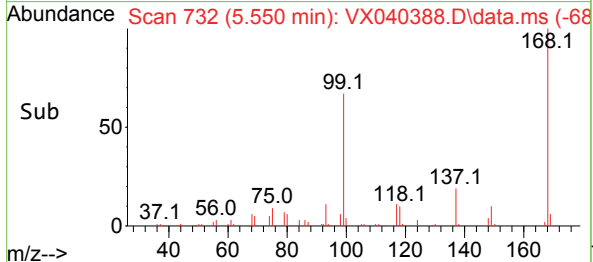
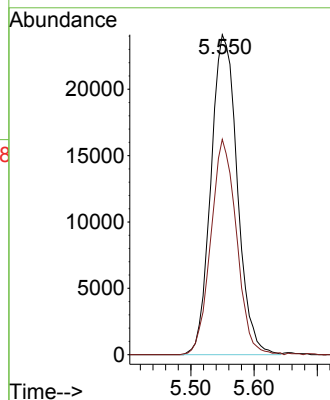
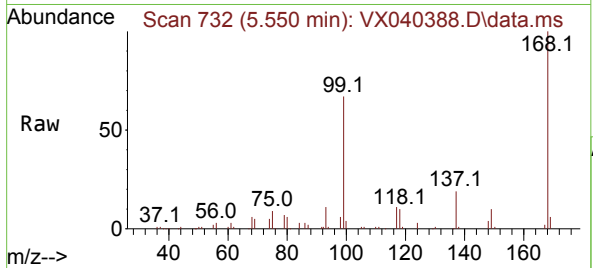




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040388.D
Acq: 21 Feb 2024 17:45

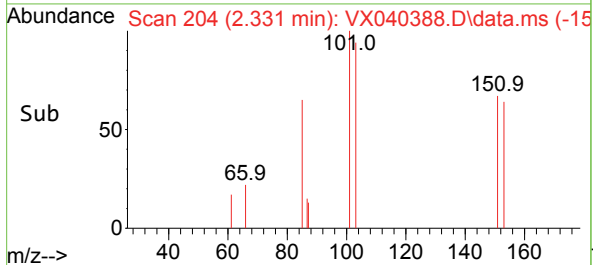
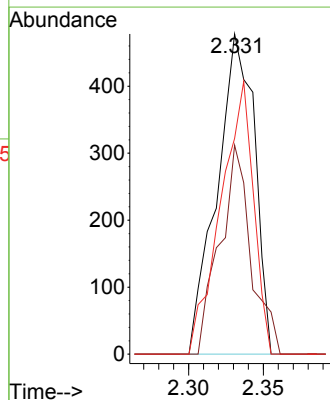
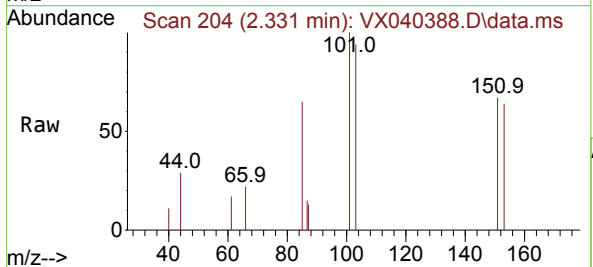
Instrument :
MSVOA_X
ClientSampleId :
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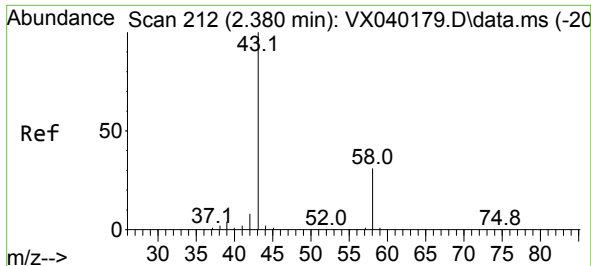
Tgt Ion:168 Resp: 69613
Ion Ratio Lower Upper
168 100
99 67.3 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.128 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX040388.D
Acq: 21 Feb 2024 17:45

Tgt Ion:101 Resp: 833
Ion Ratio Lower Upper
101 100
85 54.5 37.0 55.6
151 74.3 58.6 87.8

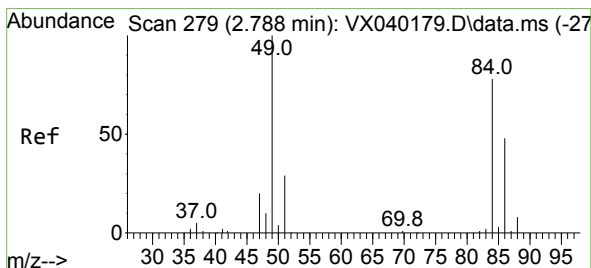
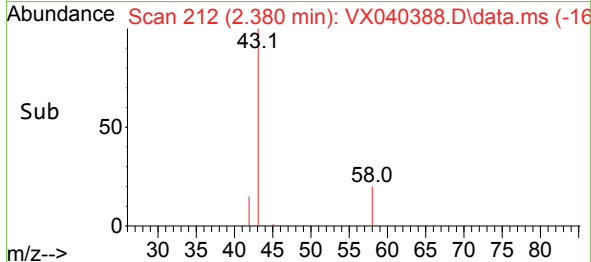
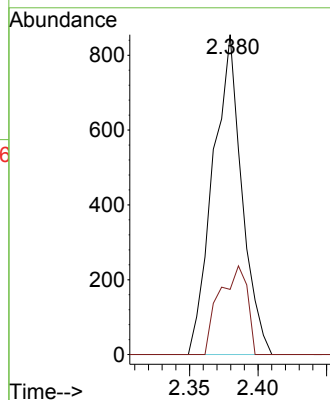
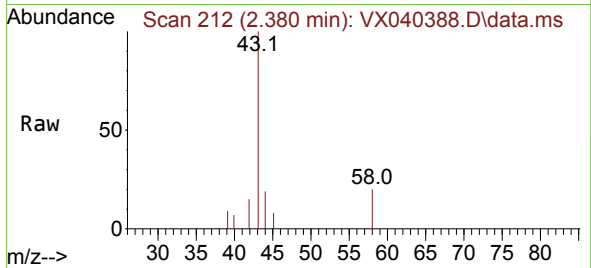




#16
Acetone
Concen: 2.946 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040388.D
Acq: 21 Feb 2024 17:45

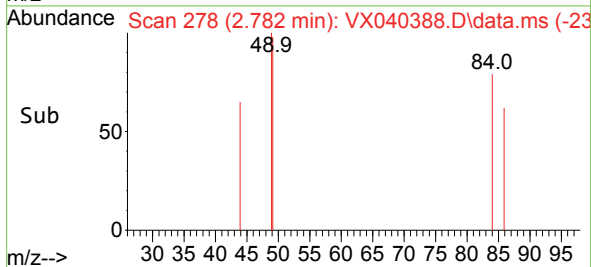
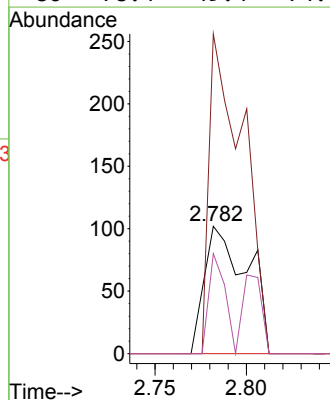
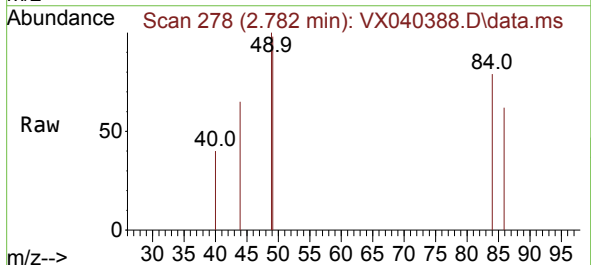
Instrument :
MSVOA_X
ClientSampleId :
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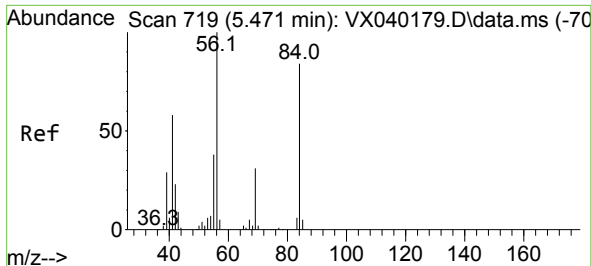
Tgt Ion: 43 Resp: 1253
Ion Ratio Lower Upper
43 100
58 20.4 21.9 32.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX040388.D
Acq: 21 Feb 2024 17:45

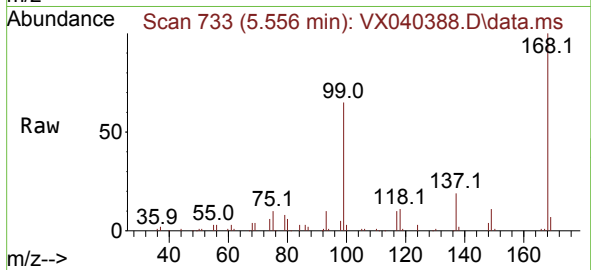
Tgt Ion: 84 Resp: 166
Ion Ratio Lower Upper
84 100
49 251.0 103.6 155.4#
51 0.0 33.8 50.6#
86 78.4 49.4 74.0#



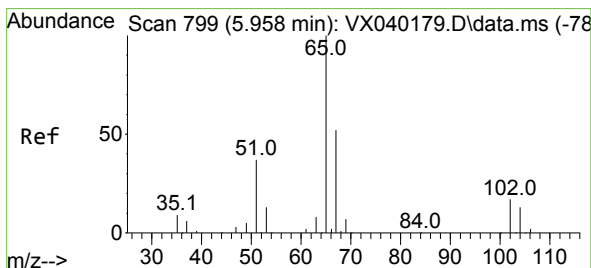
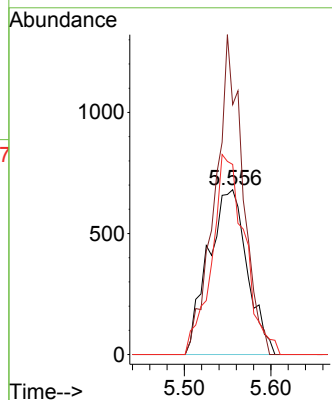
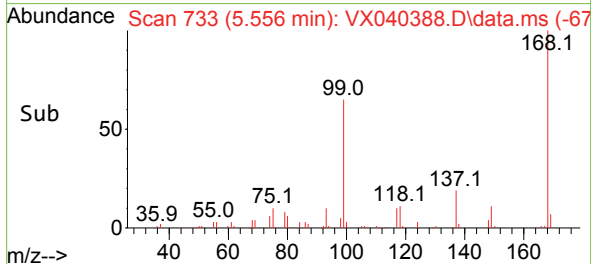


#31
Cyclohexane
Concen: 1.720 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX040388.D
Acq: 21 Feb 2024 17:45

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20240216

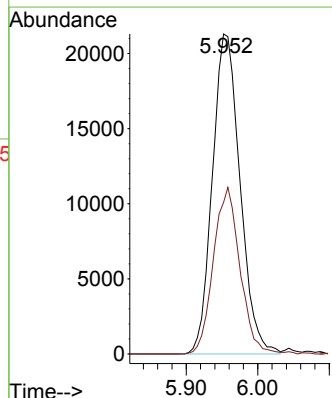
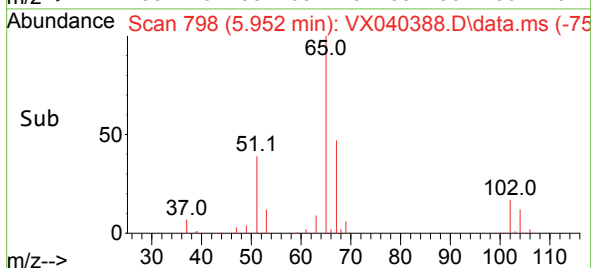
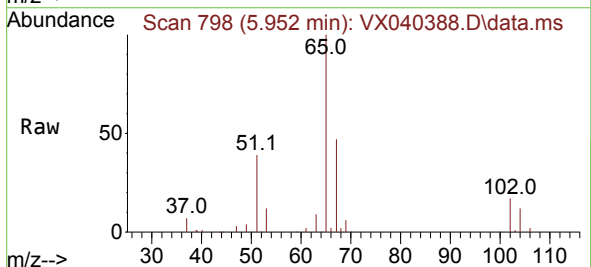


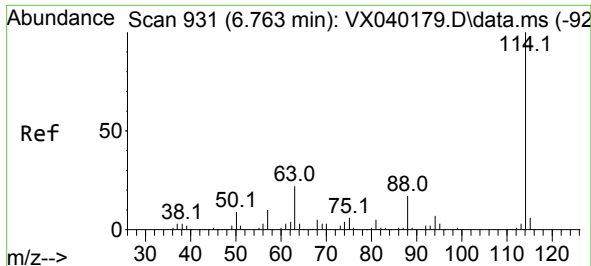
Tgt Ion: 56 Resp: 2125
Ion Ratio Lower Upper
56 100
69 151.5 23.4 35.2#
84 115.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 55.188 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX040388.D
Acq: 21 Feb 2024 17:45

Tgt Ion: 65 Resp: 57155
Ion Ratio Lower Upper
65 100
67 50.1 0.0 100.2

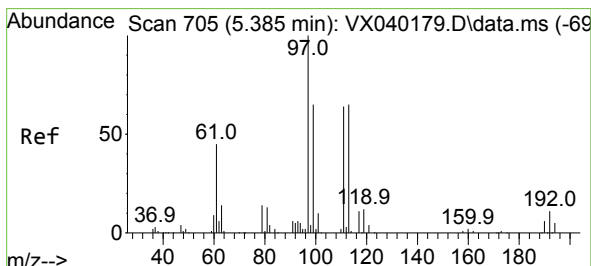
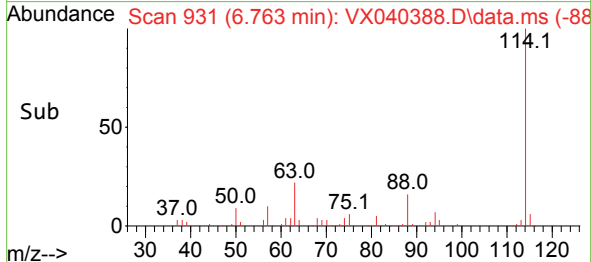
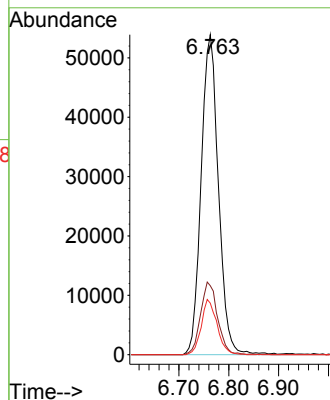
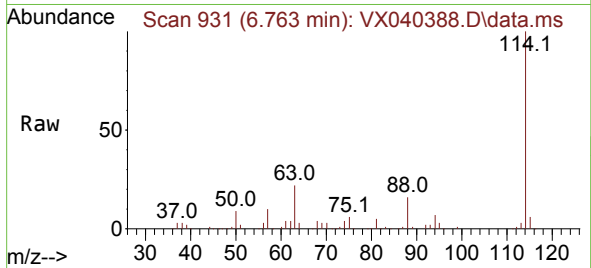




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX040388.D
Acq: 21 Feb 2024 17:45

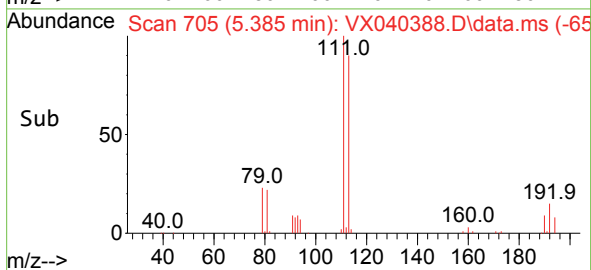
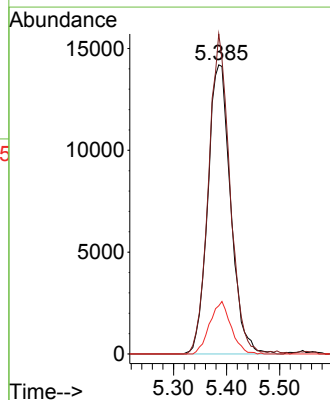
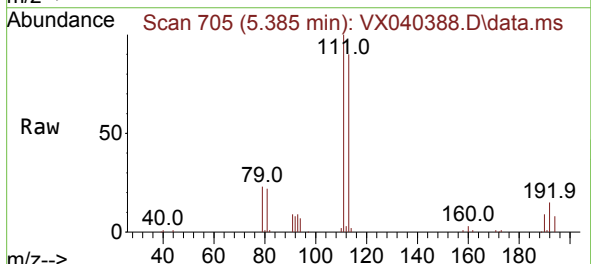
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20240216

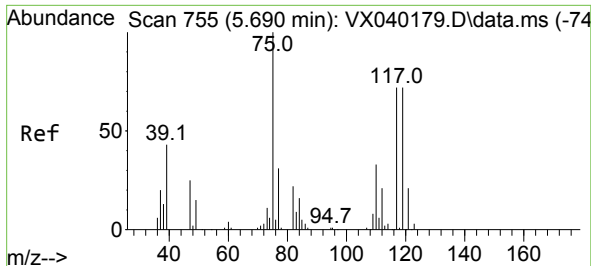
Tgt Ion:114 Resp: 129633
Ion Ratio Lower Upper
114 100
63 21.5 0.0 45.0
88 16.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.932 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040388.D
Acq: 21 Feb 2024 17:45

Tgt Ion:113 Resp: 42487
Ion Ratio Lower Upper
113 100
111 103.6 82.9 124.3
192 16.9 13.3 19.9

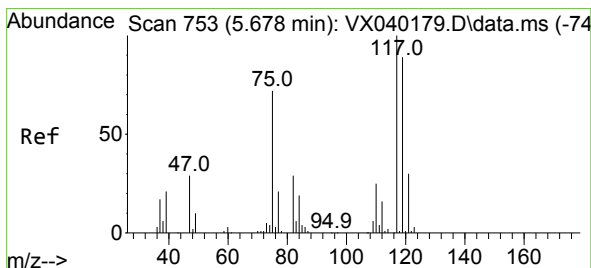
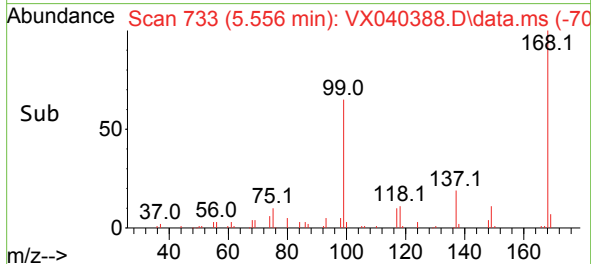
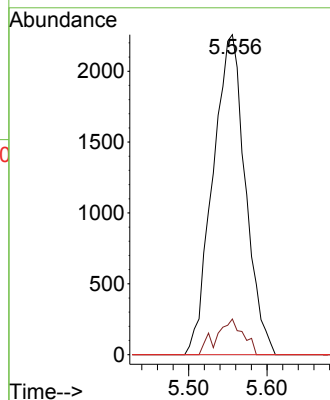
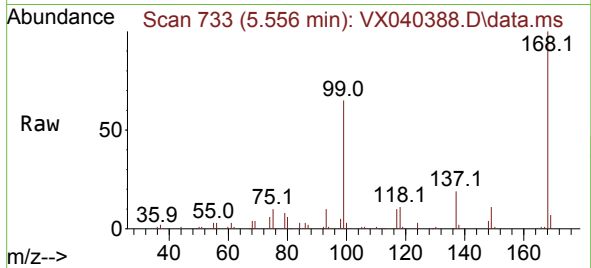




#36
1,1-Dichloropropene
Concen: 5.142 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX040388.D
Acq: 21 Feb 2024 17:45

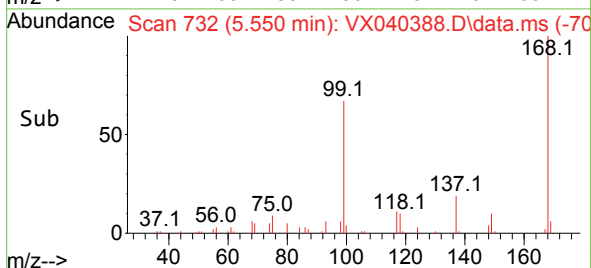
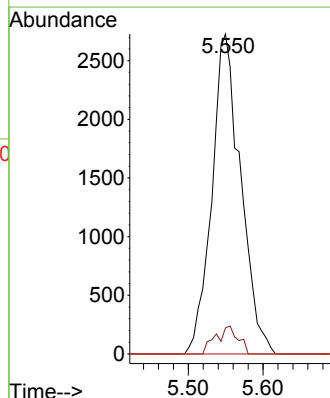
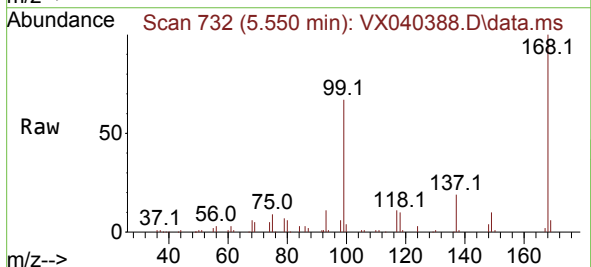
Instrument :
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ClientSampleId :
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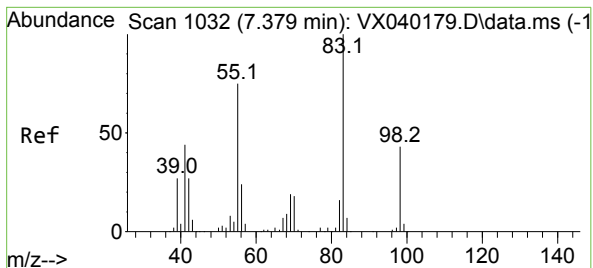
Tgt Ion: 75 Resp: 6521
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.066 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX040388.D
Acq: 21 Feb 2024 17:45

Tgt Ion: 117 Resp: 7314
Ion Ratio Lower Upper
117 100
119 8.1 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.402 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.244 min

Lab File: VX040388.D

Acq: 21 Feb 2024 17:45

Instrument :

MSVOA_X

ClientSampleId :

RE104D1-20240216

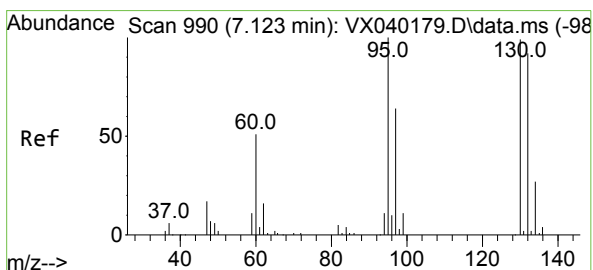
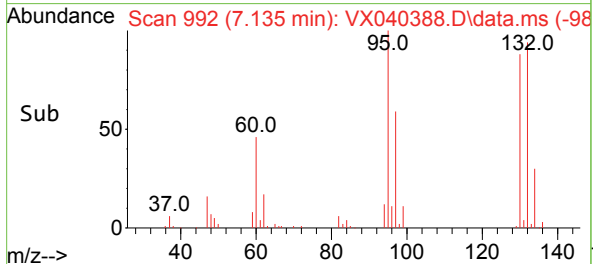
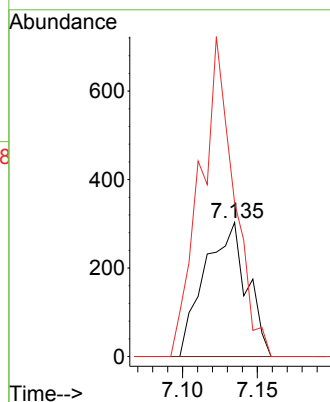
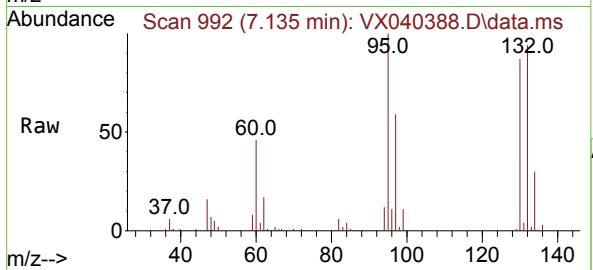
Tgt Ion: 83 Resp: 593

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 114.9 36.7 55.1#



#44

Trichloroethene

Concen: 39.760 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.006 min

Lab File: VX040388.D

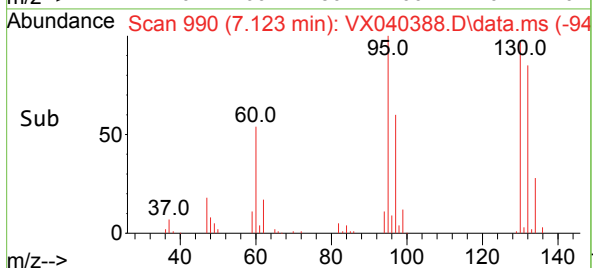
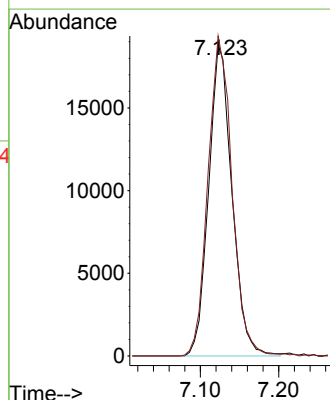
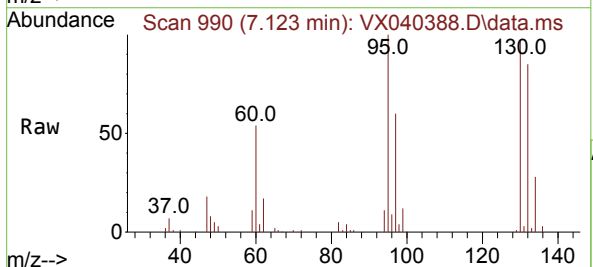
Acq: 21 Feb 2024 17:45

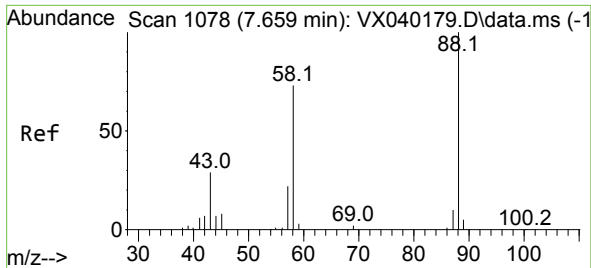
Tgt Ion:130 Resp: 38894

Ion Ratio Lower Upper

130 100

95 102.9 0.0 204.4

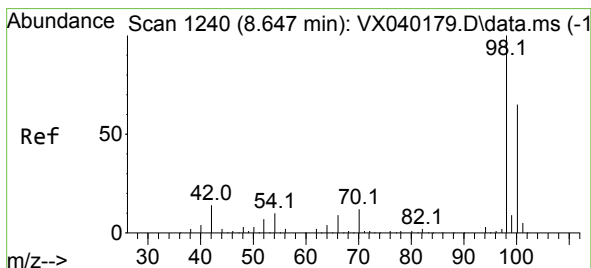
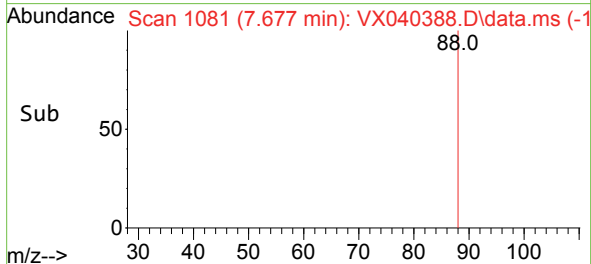
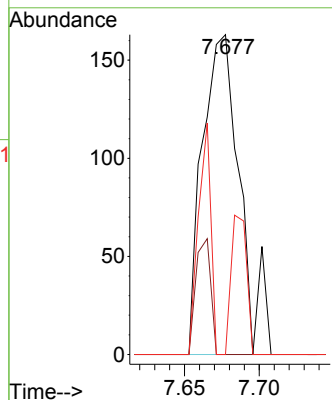
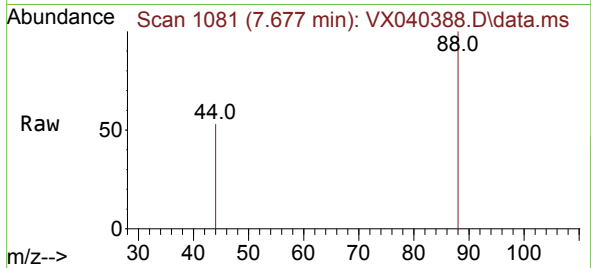




#49
1,4-Dioxane
Concen: 11.623 ug/l
RT: 7.677 min Scan# 1078
Delta R.T. 0.018 min
Lab File: VX040388.D
Acq: 21 Feb 2024 17:45

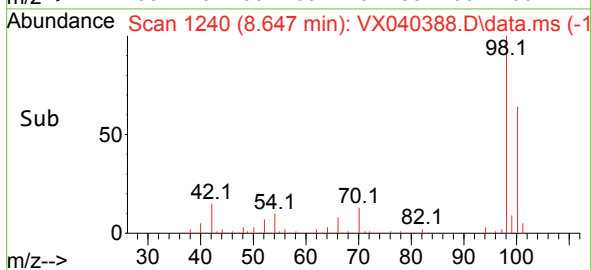
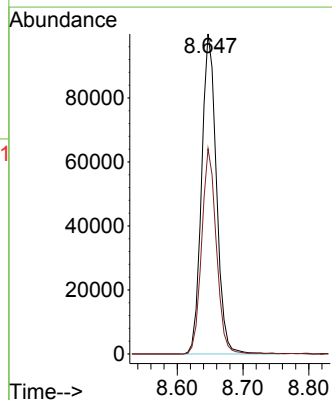
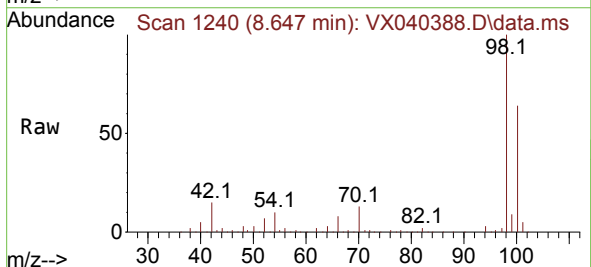
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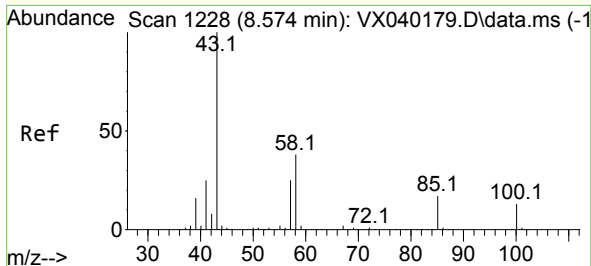
Tgt Ion: 88 Resp: 285
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 17.9 60.1 90.1#



#50
Toluene-d8
Concen: 46.295 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040388.D
Acq: 21 Feb 2024 17:45

Tgt Ion: 98 Resp: 156775
Ion Ratio Lower Upper
98 100
100 63.4 53.1 79.7

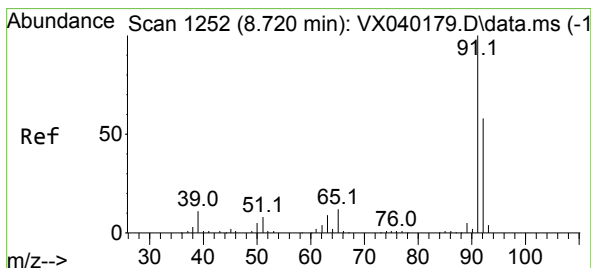
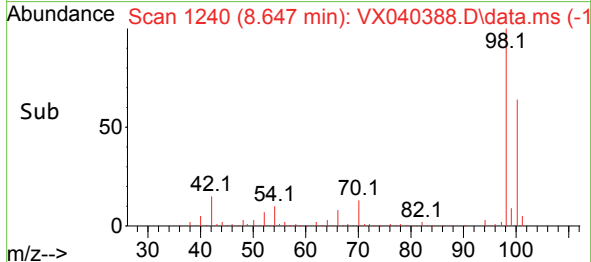
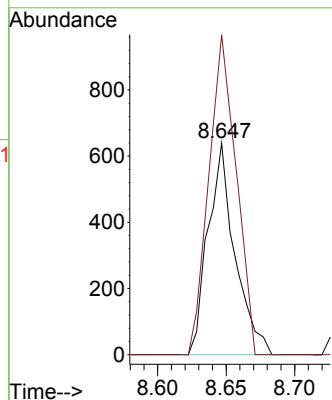
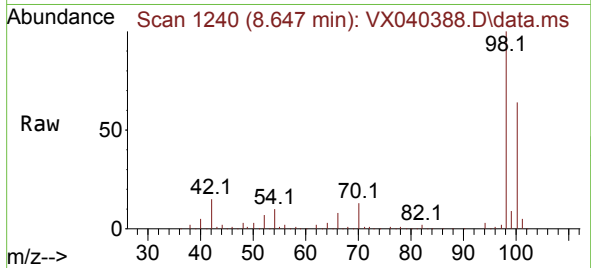




#51
4-Methyl-2-Pentanone
Concen: 0.581 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX040388.D
Acq: 21 Feb 2024 17:45

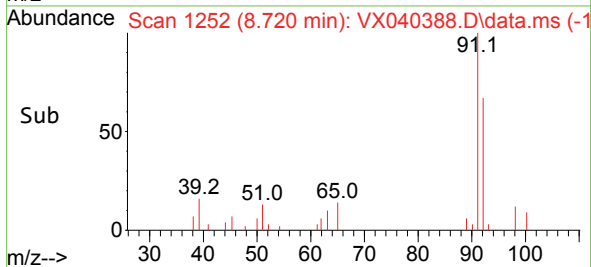
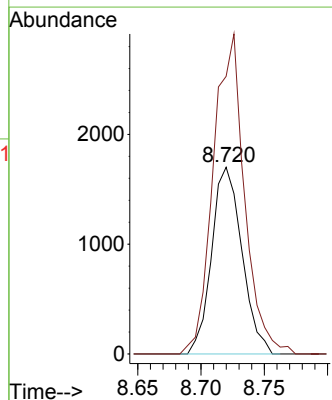
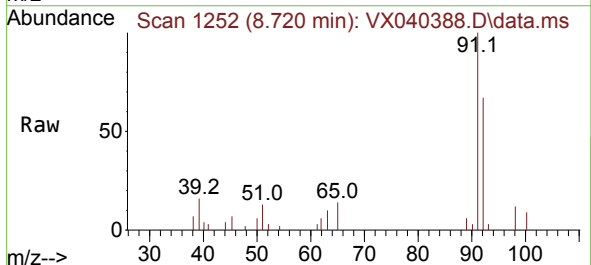
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20240216

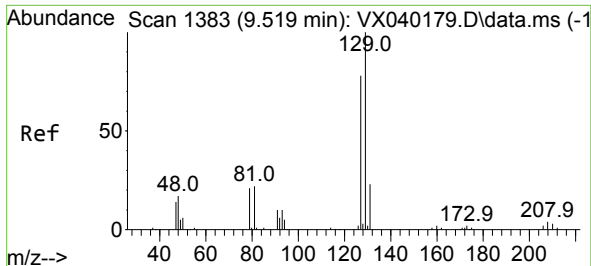
Tgt Ion: 43 Resp: 874
Ion Ratio Lower Upper
43 100
58 153.8 30.4 45.6#



#52
Toluene
Concen: 1.220 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX040388.D
Acq: 21 Feb 2024 17:45

Tgt Ion: 92 Resp: 2835
Ion Ratio Lower Upper
92 100
91 176.5 134.2 201.2

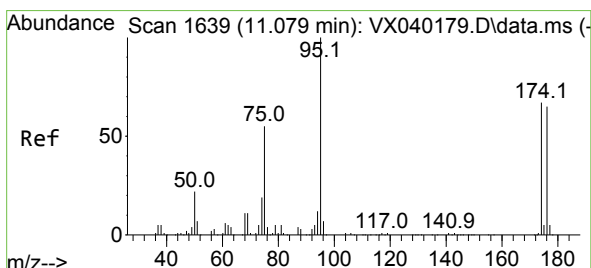
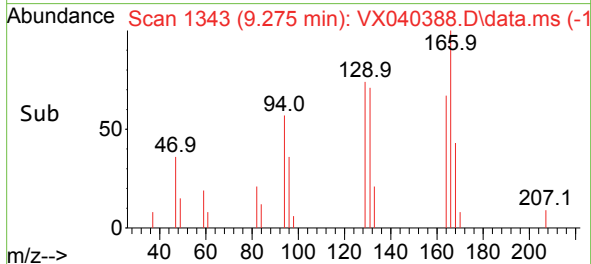
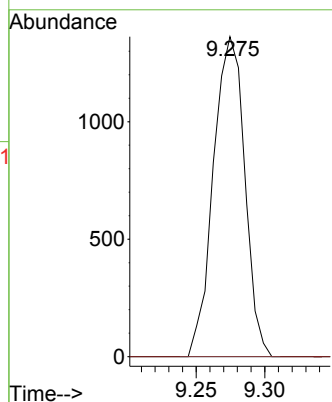
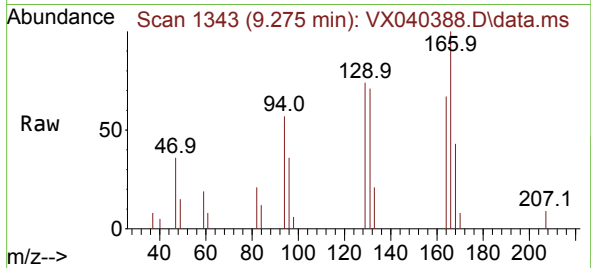




#60
Dibromochloromethane
Concen: 2.147 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX040388.D
Acq: 21 Feb 2024 17:45

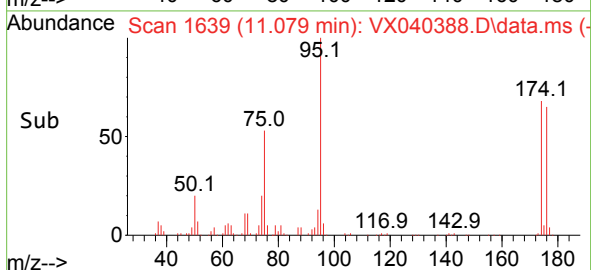
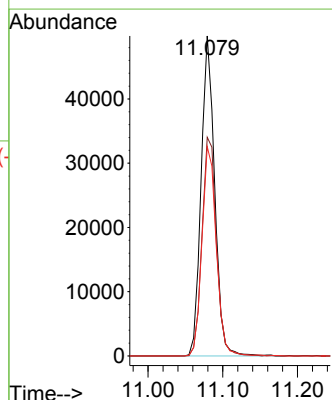
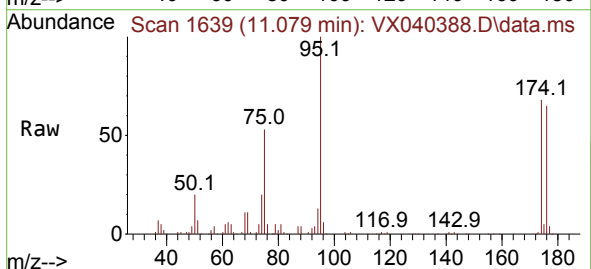
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20240216

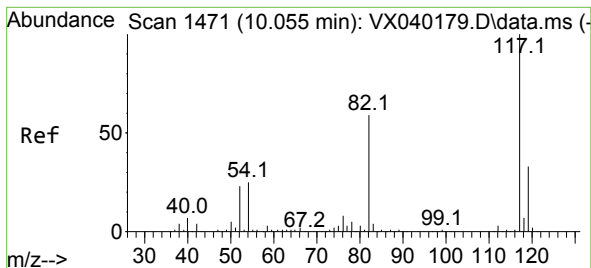
Tgt Ion:129 Resp: 2167
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.443 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040388.D
Acq: 21 Feb 2024 17:45

Tgt Ion: 95 Resp: 62762
Ion Ratio Lower Upper
95 100
174 72.3 0.0 135.6
176 69.2 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: VX040388.D

Acq: 21 Feb 2024 17:45

Instrument :

MSVOA_X

ClientSampleId :

RE104D1-20240216

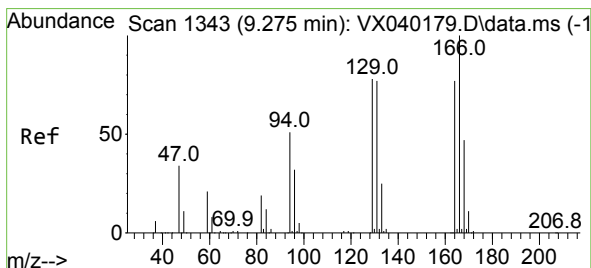
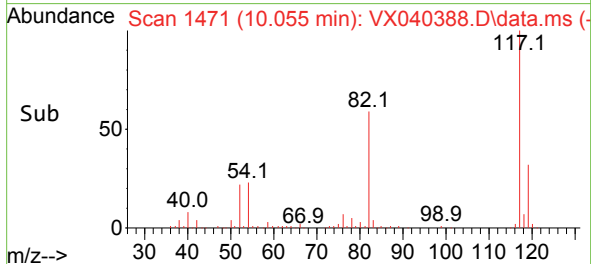
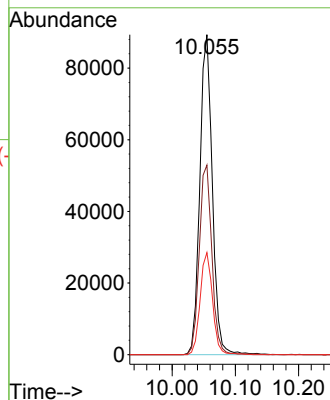
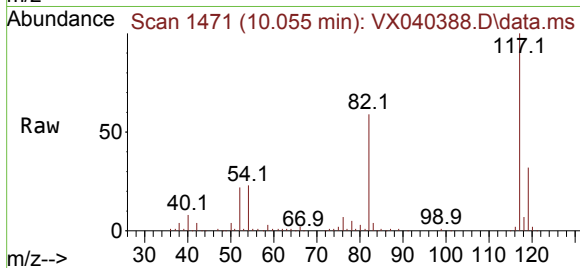
Tgt Ion:117 Resp: 123107

Ion Ratio Lower Upper

117 100

82 59.3 46.2 69.4

119 31.9 25.5 38.3



#64

Tetrachloroethene

Concen: 2.221 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VX040388.D

Acq: 21 Feb 2024 17:45

Tgt Ion:164 Resp: 1916

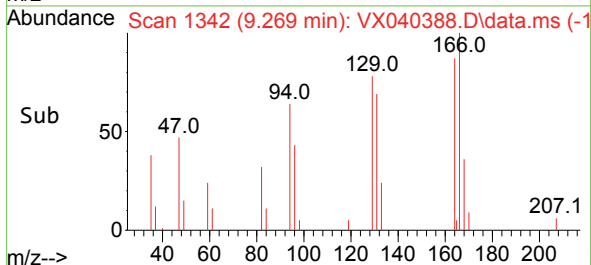
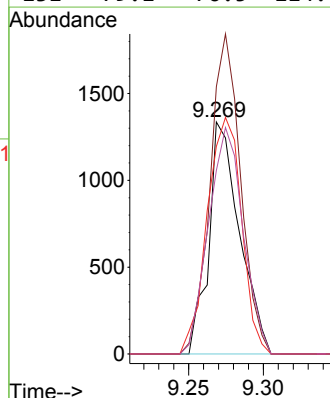
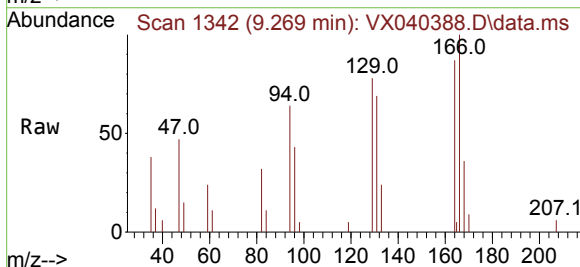
Ion Ratio Lower Upper

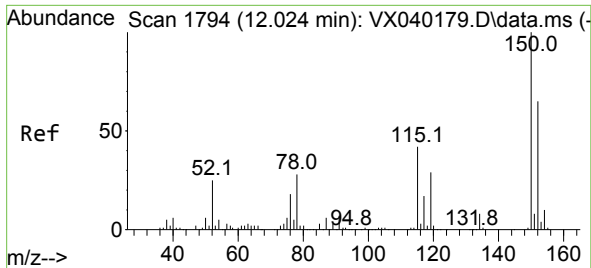
164 100

166 115.2 102.7 154.1

129 89.4 80.4 120.6

131 79.1 76.5 114.7

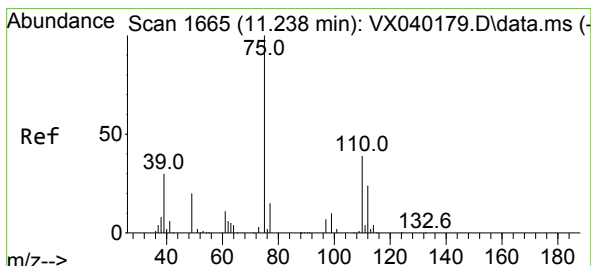
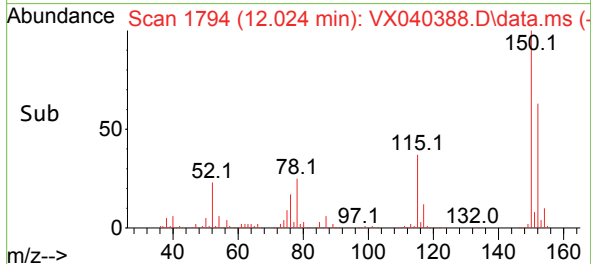
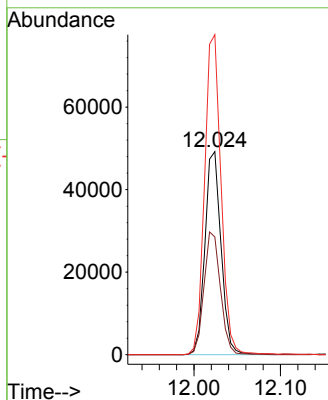
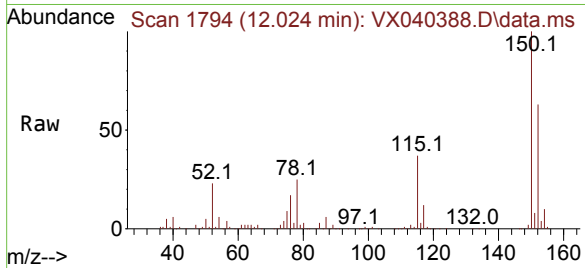




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX040388.D
 Acq: 21 Feb 2024 17:45

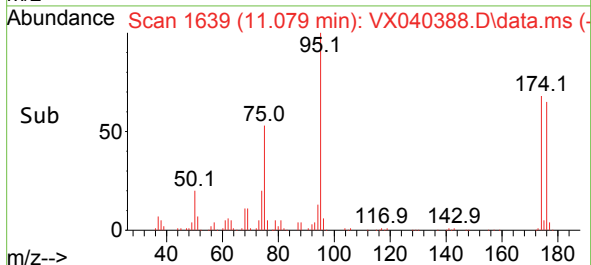
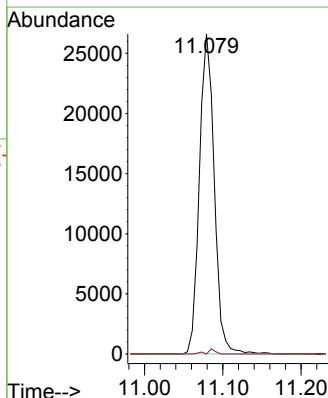
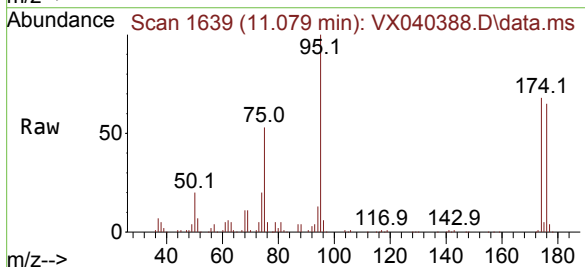
Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D1-20240216

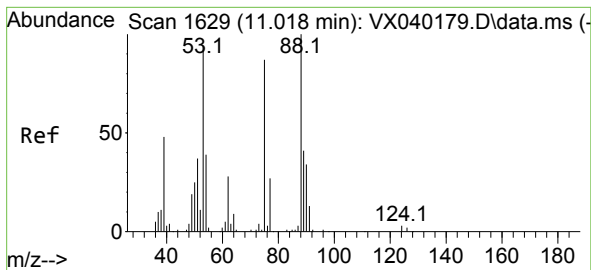
Tgt Ion:152 Resp: 63730
 Ion Ratio Lower Upper
 152 100
 115 61.6 43.3 129.9
 150 160.8 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 27.210 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX040388.D
 Acq: 21 Feb 2024 17:45

Tgt Ion: 75 Resp: 35116
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.534 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040388.D
 Acq: 21 Feb 2024 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D1-20240216

Tgt Ion: 75 Resp: 35116
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

