

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038912.D
 Acq On : 18 Nov 2023 06:17
 Operator : JC/MD
 Sample : 05404-28
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D3-20231110

Quant Time: Nov 20 00:34:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

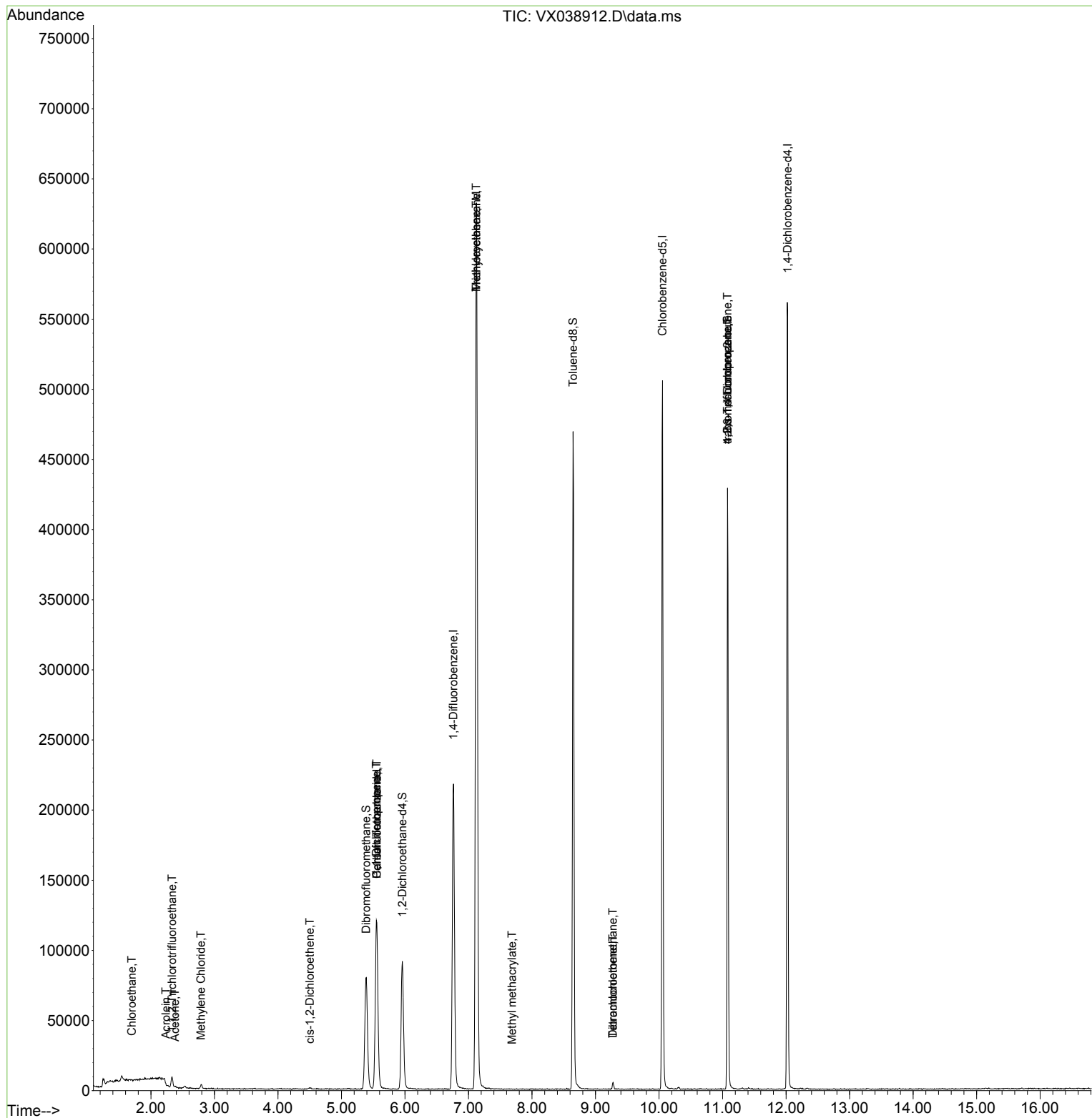
Internal Standards						
1) Pentafluorobenzene	5.556	168	109632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	223566	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86568	49.004	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.000%		
35) Dibromofluoromethane	5.385	113	72295	44.774	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.540%		
50) Toluene-d8	8.647	98	281282	45.532	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.060%#		
62) 4-Bromofluorobenzene	11.079	95	117938	47.691	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.380%		
Target Compounds						Qvalue
6) Chloroethane	1.697	64	192	0.209	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	2789	2.061	ug/l	96
13) Acrolein	2.233	56	60	0.231	ug/l #	14
16) Acetone	2.380	43	1689	1.796	ug/l	94
20) Methylene Chloride	2.788	84	1450	0.855	ug/l	84
27) cis-1,2-Dichloroethene	4.501	96	601	0.342	ug/l	78
36) 1,1-Dichloropropene	5.550	75	10086	4.358	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12165	5.688	ug/l #	15
39) Methylcyclohexane	7.123	83	3251	1.077	ug/l #	1
44) Trichloroethene	7.123	130	239770	143.917	ug/l	97
48) Methyl methacrylate	7.684	41	477	0.204	ug/l #	30
60) Dibromochloromethane	9.275	129	868	0.482	ug/l #	11
64) Tetrachloroethene	9.275	164	801	0.573	ug/l #	84
76) 1,2,3-Trichloropropane	11.079	75	61977	22.223	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	61977	49.294	ug/l #	5

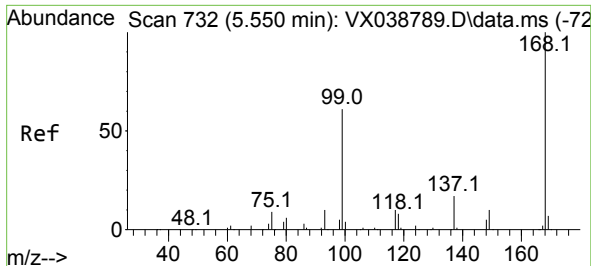
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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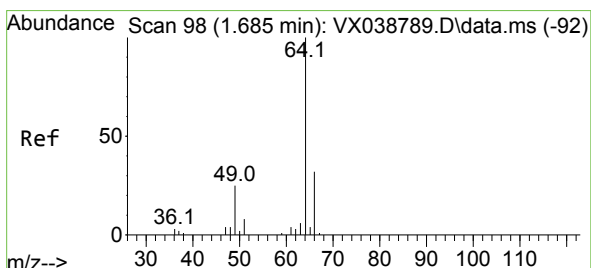
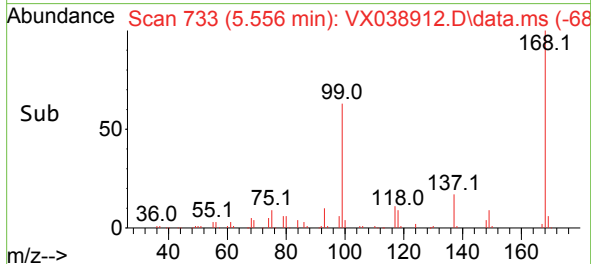
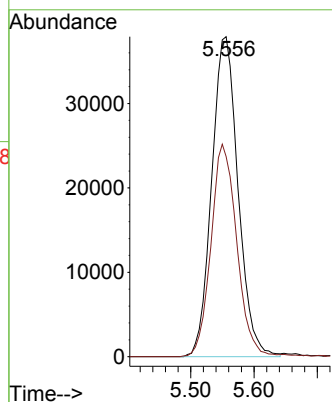
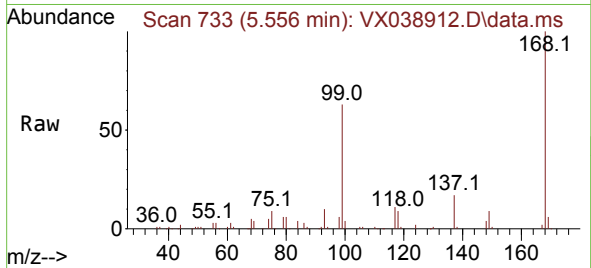




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038912.D
Acq: 18 Nov 2023 06:17

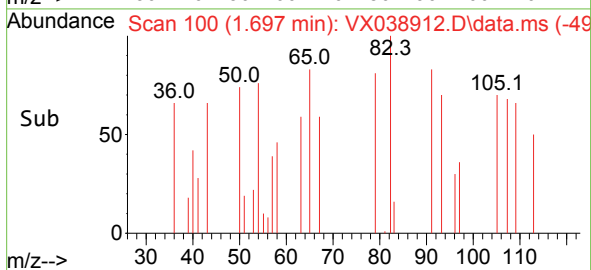
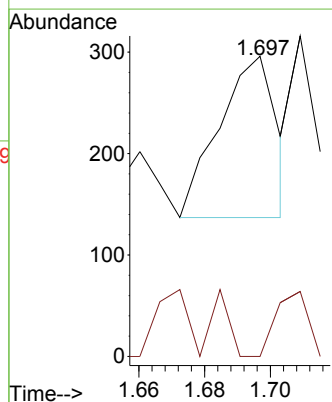
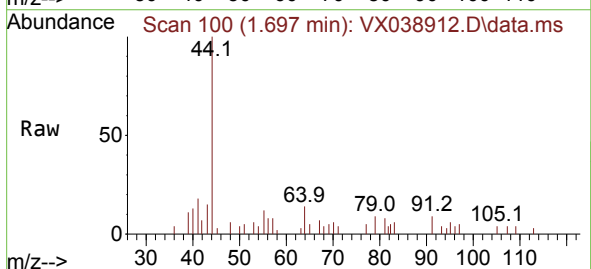
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20231110

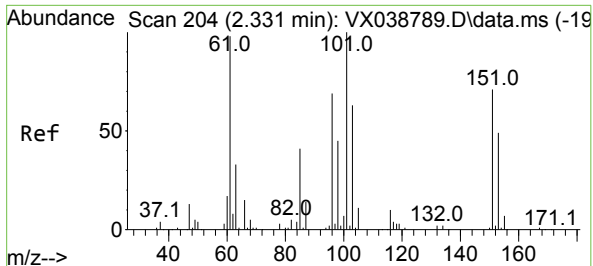
Tgt Ion:168 Resp: 109632
Ion Ratio Lower Upper
168 100
99 62.6 56.6 85.0



#6
Chloroethane
Concen: 0.209 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX038912.D
Acq: 18 Nov 2023 06:17

Tgt Ion: 64 Resp: 192
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

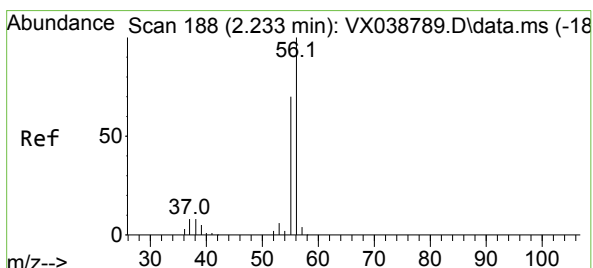
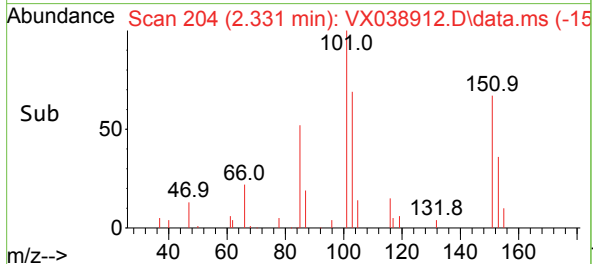
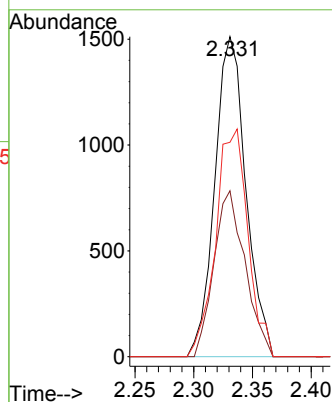
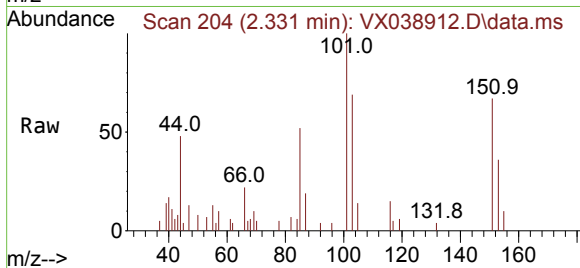




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.061 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038912.D
Acq: 18 Nov 2023 06:17

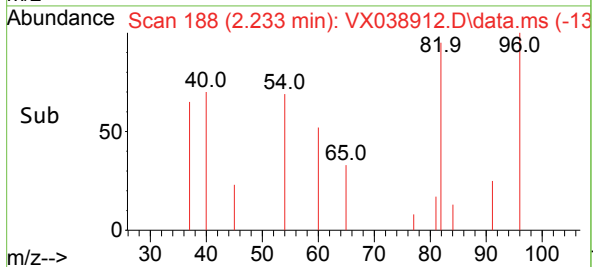
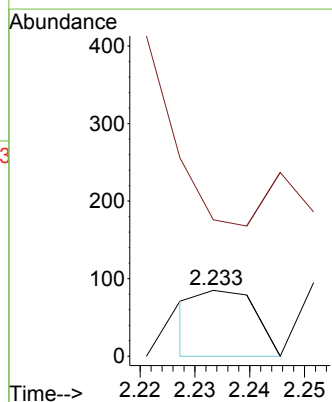
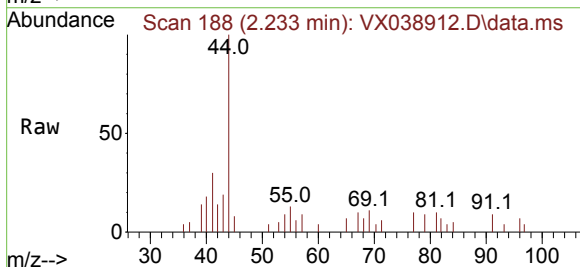
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20231110

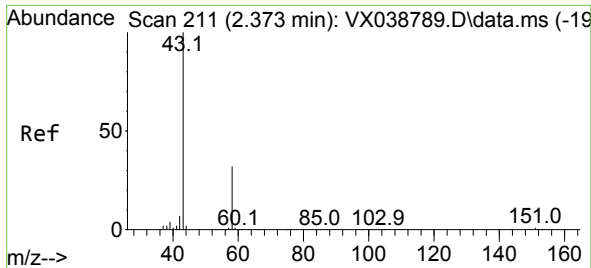
Tgt Ion:101 Resp: 2789
Ion Ratio Lower Upper
101 100
85 52.0 37.0 55.6
151 73.6 58.6 87.8



#13
Acrolein
Concen: 0.231 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX038912.D
Acq: 18 Nov 2023 06:17

Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

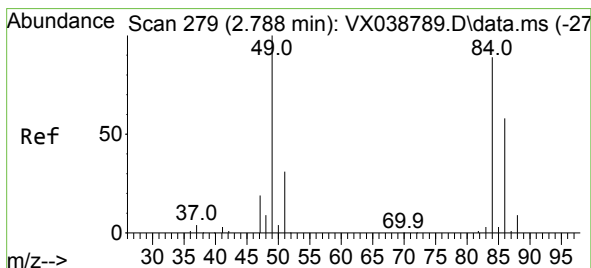
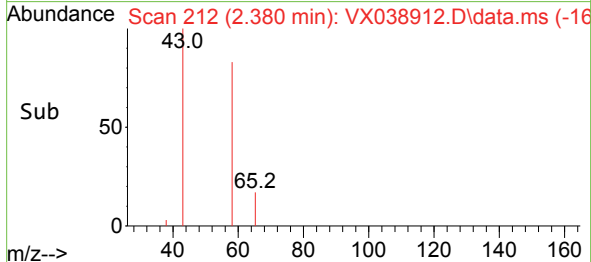
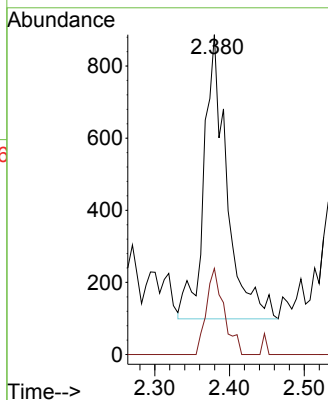
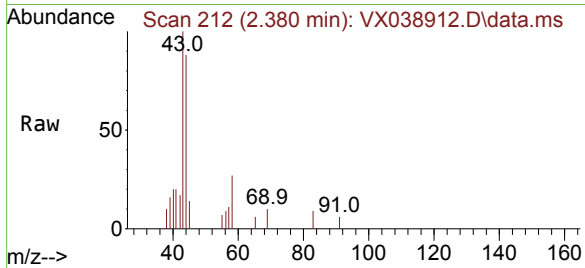




#16
Acetone
Concen: 1.796 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX038912.D
Acq: 18 Nov 2023 06:17

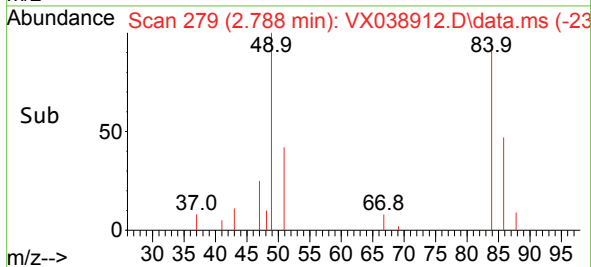
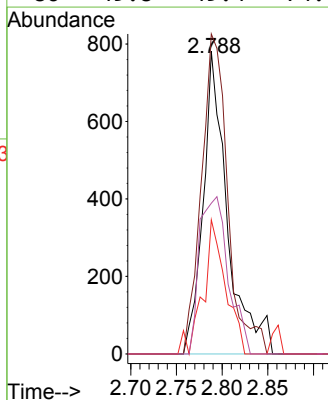
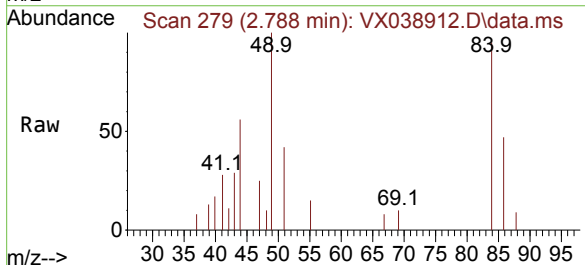
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20231110

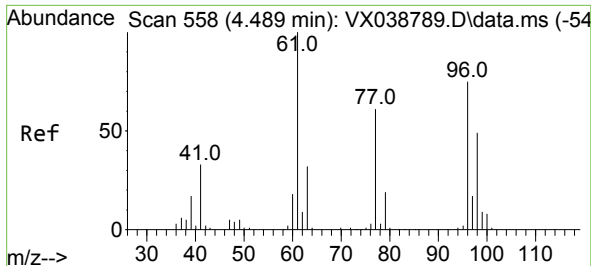
Tgt Ion: 43 Resp: 1689
Ion Ratio Lower Upper
43 100
58 30.3 21.9 32.9



#20
Methylene Chloride
Concen: 0.855 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038912.D
Acq: 18 Nov 2023 06:17

Tgt Ion: 84 Resp: 1450
Ion Ratio Lower Upper
84 100
49 105.8 103.6 155.4
51 44.3 33.8 50.6
86 49.8 49.4 74.0





#27

cis-1,2-Dichloroethene

Concen: 0.342 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX038912.D

Acq: 18 Nov 2023 06:17

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20231110

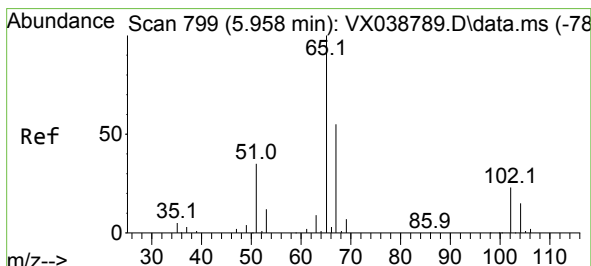
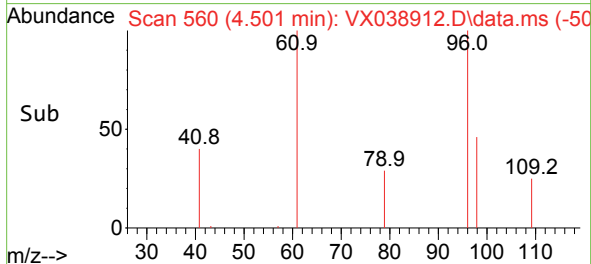
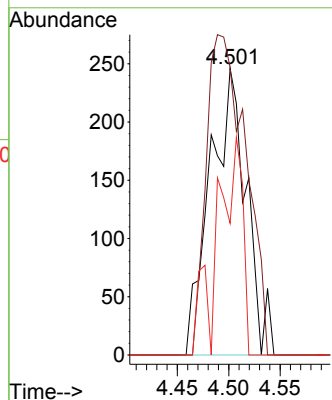
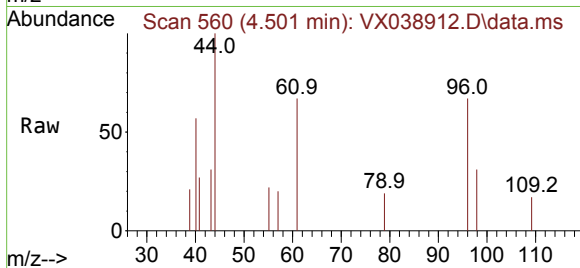
Tgt Ion: 96 Resp: 601

Ion Ratio Lower Upper

96 100

61 122.1 0.0 312.2

98 53.7 0.0 129.0



#33

1,2-Dichloroethane-d4

Concen: 49.004 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038912.D

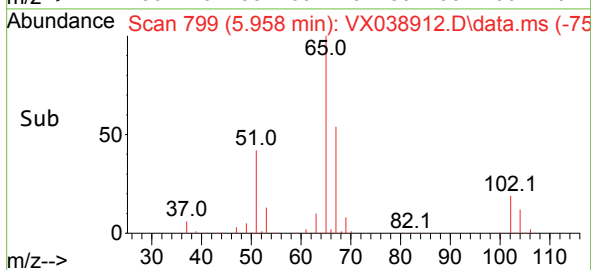
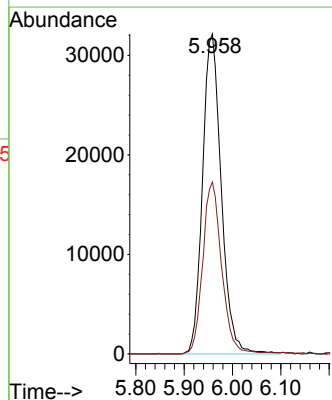
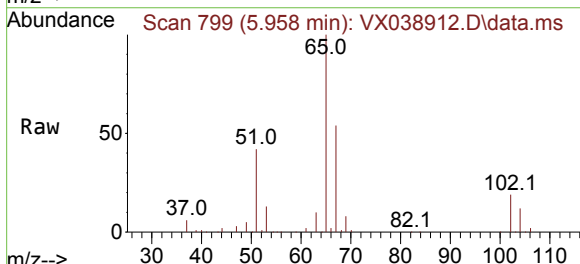
Acq: 18 Nov 2023 06:17

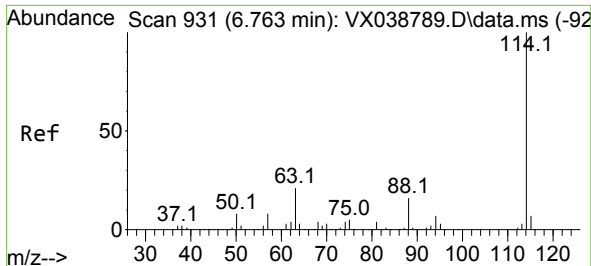
Tgt Ion: 65 Resp: 86568

Ion Ratio Lower Upper

65 100

67 54.0 0.0 100.2

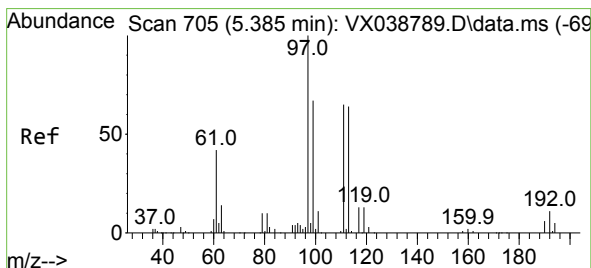
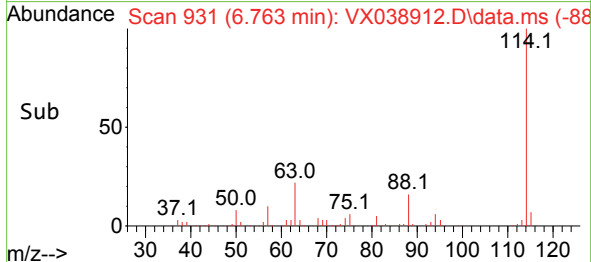
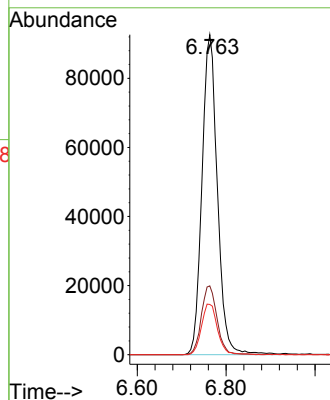
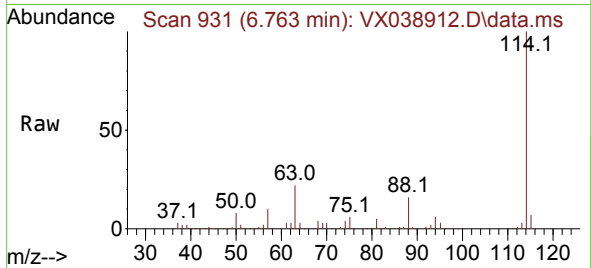




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX038912.D
Acq: 18 Nov 2023 06:17

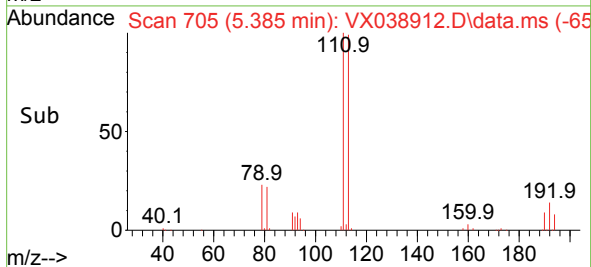
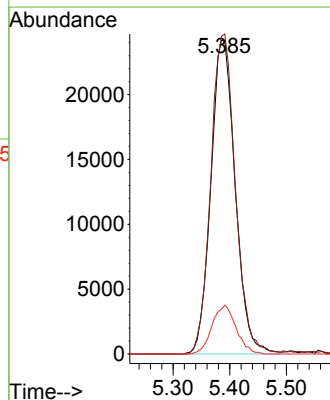
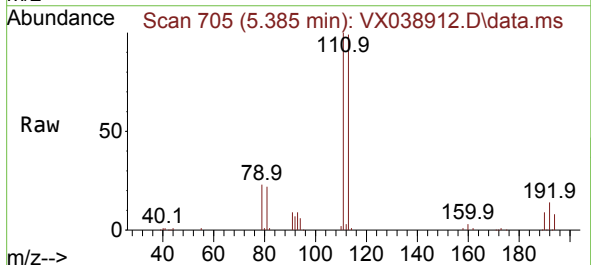
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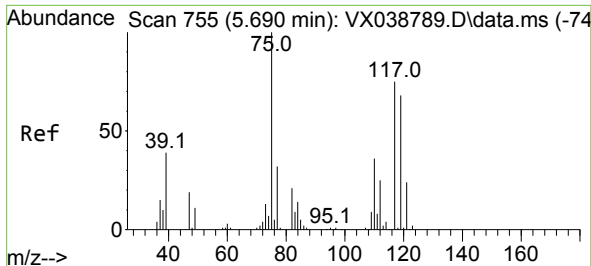
Tgt Ion:114 Resp: 223566
Ion Ratio Lower Upper
114 100
63 21.5 0.0 45.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.774 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038912.D
Acq: 18 Nov 2023 06:17

Tgt Ion:113 Resp: 72295
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 15.3 13.3 19.9

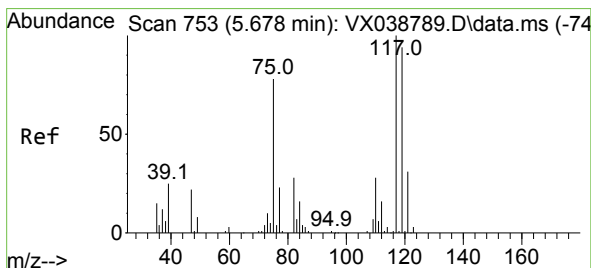
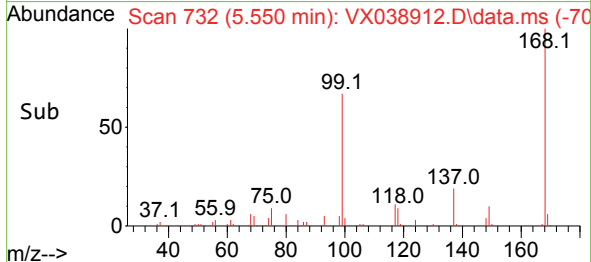
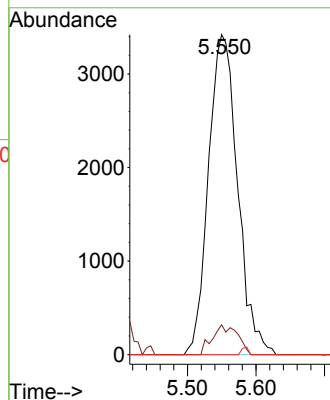
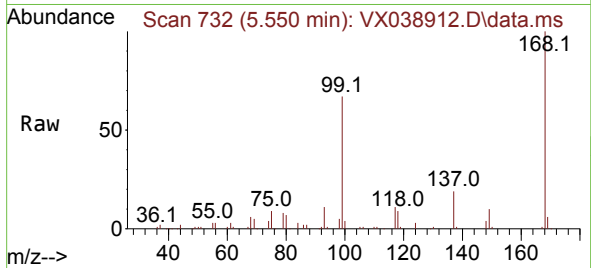




#36
1,1-Dichloropropene
Concen: 4.358 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX038912.D
Acq: 18 Nov 2023 06:17

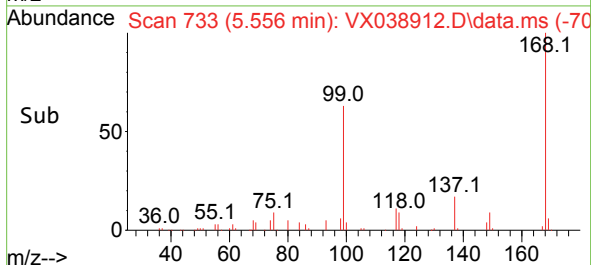
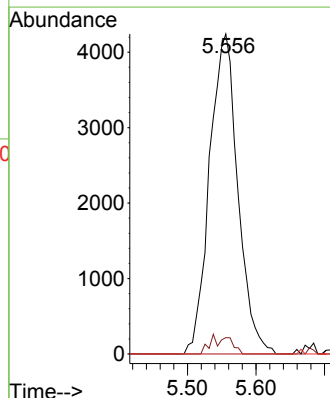
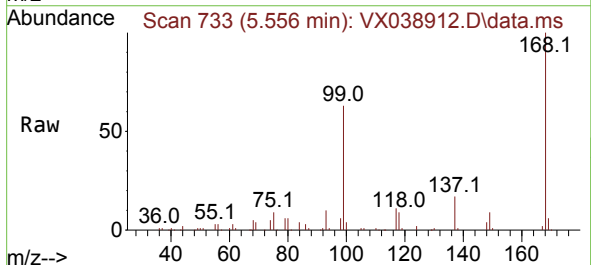
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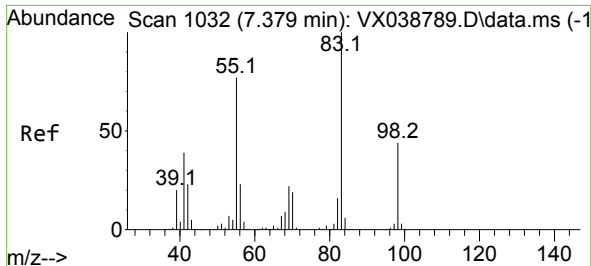
Tgt Ion: 75 Resp: 10086
Ion Ratio Lower Upper
75 100
110 8.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.688 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX038912.D
Acq: 18 Nov 2023 06:17

Tgt Ion: 117 Resp: 12165
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.2#
121 0.0 24.4 36.6#

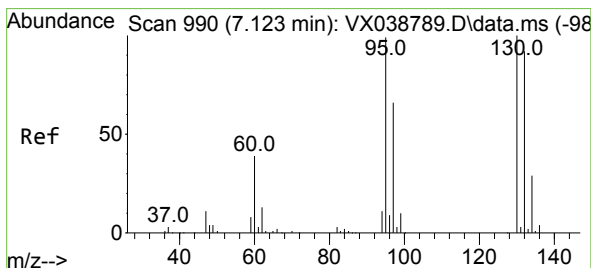
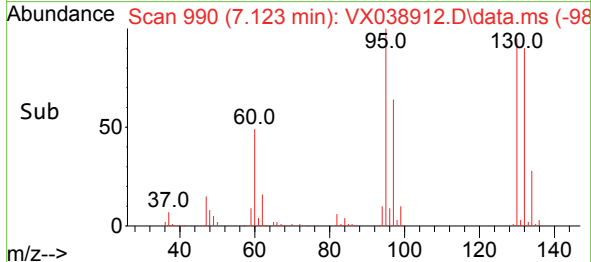
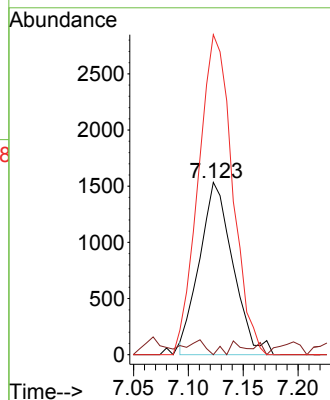
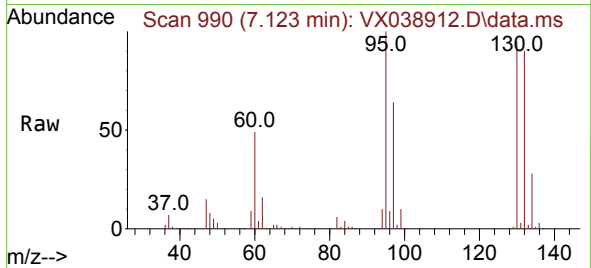




#39
Methylcyclohexane
Concen: 1.077 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX038912.D
Acq: 18 Nov 2023 06:17

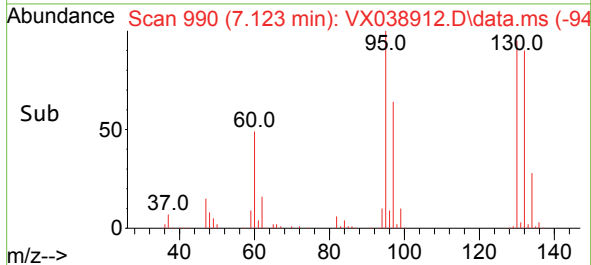
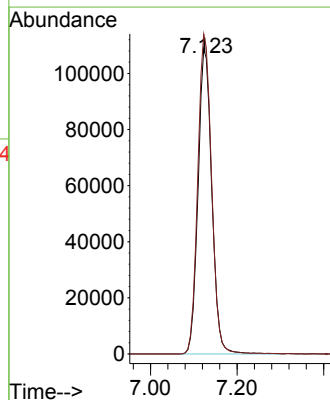
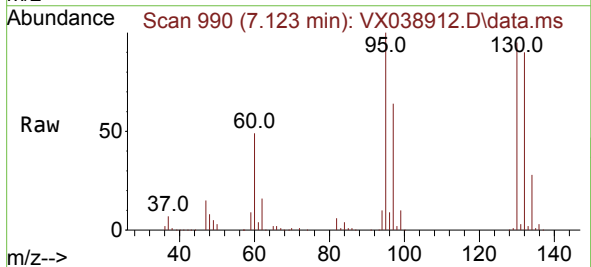
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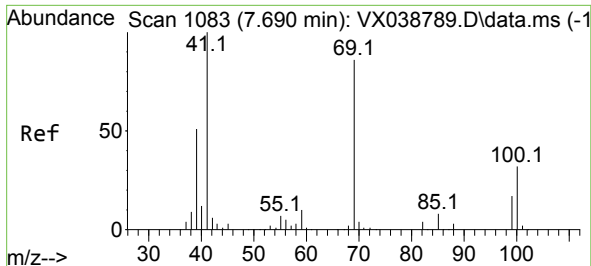
Tgt Ion: 83 Resp: 3251
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 178.4 36.7 55.1#



#44
Trichloroethene
Concen: 143.917 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX038912.D
Acq: 18 Nov 2023 06:17

Tgt Ion:130 Resp: 239770
Ion Ratio Lower Upper
130 100
95 104.9 0.0 204.4

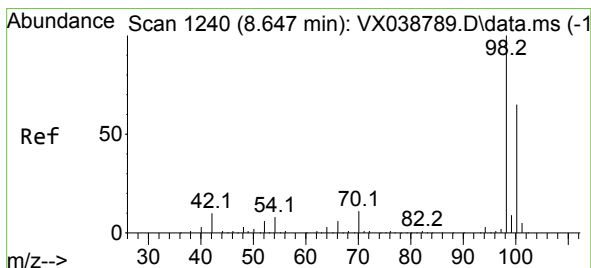
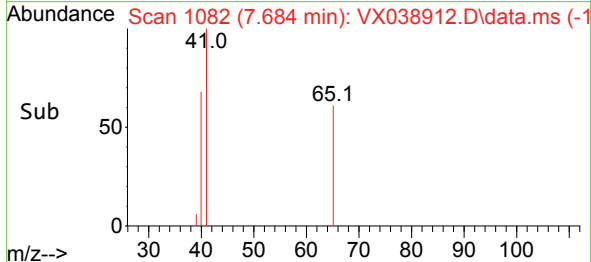
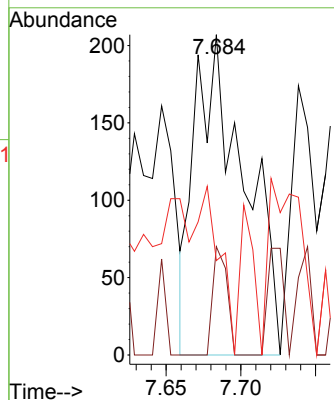
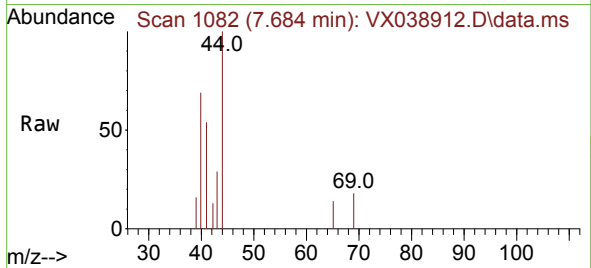




#48
Methyl methacrylate
Concen: 0.204 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. -0.006 min
Lab File: VX038912.D
Acq: 18 Nov 2023 06:17

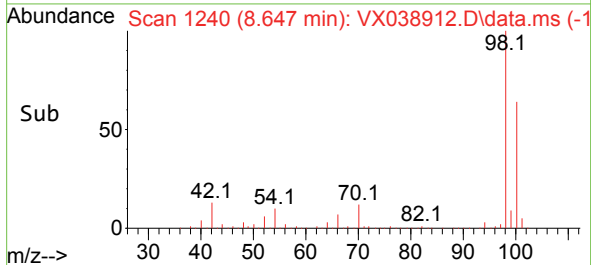
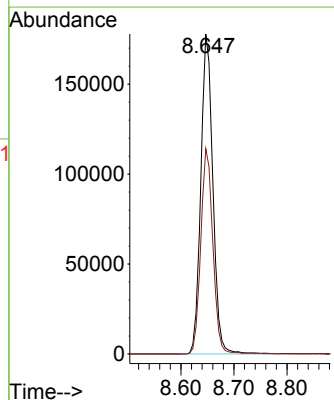
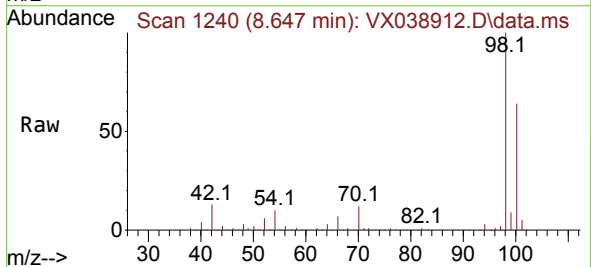
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20231110

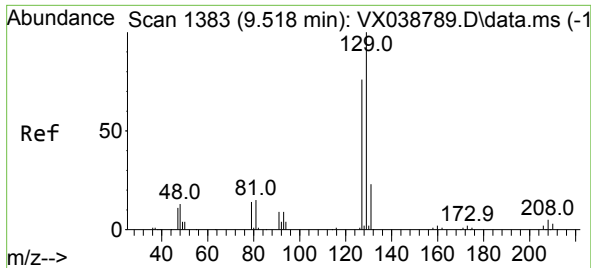
Tgt Ion: 41 Resp: 477
Ion Ratio Lower Upper
41 100
69 9.6 59.2 88.8#
39 12.6 47.7 71.5#



#50
Toluene-d8
Concen: 45.532 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038912.D
Acq: 18 Nov 2023 06:17

Tgt Ion: 98 Resp: 281282
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7

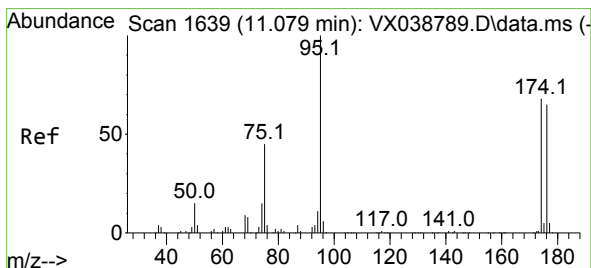
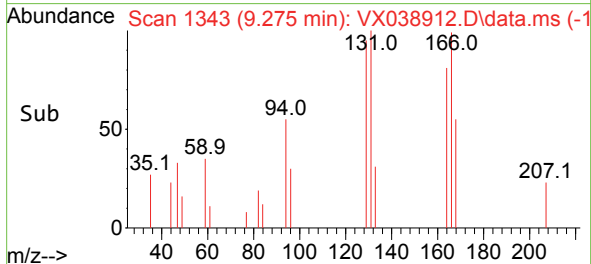
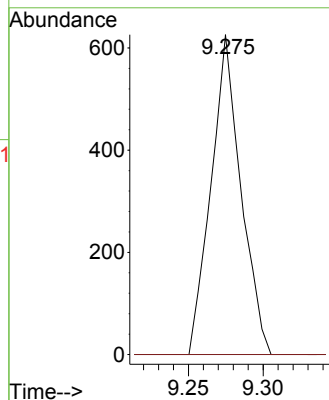
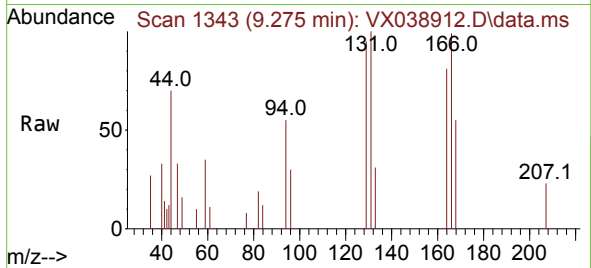




#60
Dibromochloromethane
Concen: 0.482 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX038912.D
Acq: 18 Nov 2023 06:17

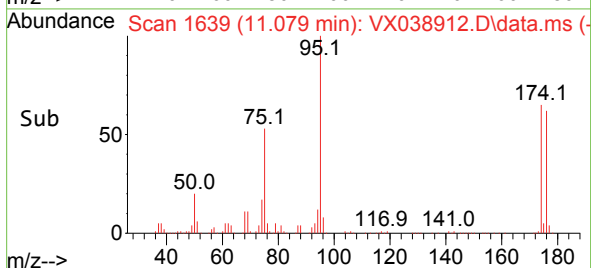
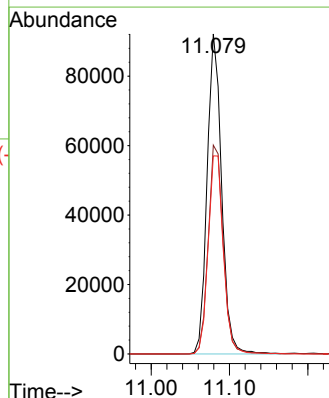
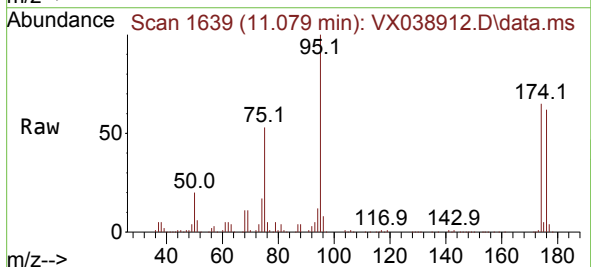
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20231110

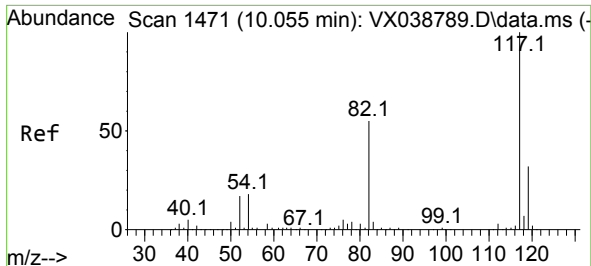
Tgt Ion:129 Resp: 868
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 47.691 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038912.D
Acq: 18 Nov 2023 06:17

Tgt Ion: 95 Resp: 117938
Ion Ratio Lower Upper
95 100
174 67.7 0.0 135.6
176 65.1 0.0 131.0

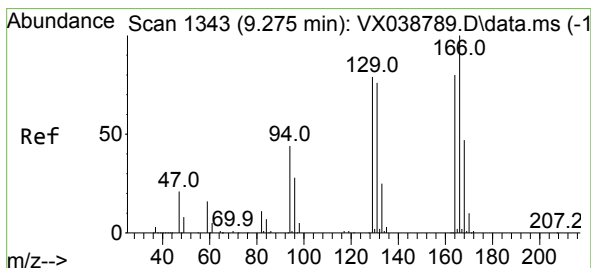
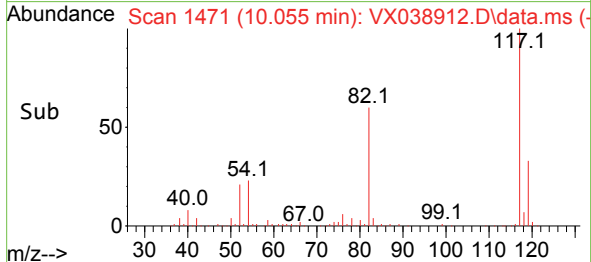
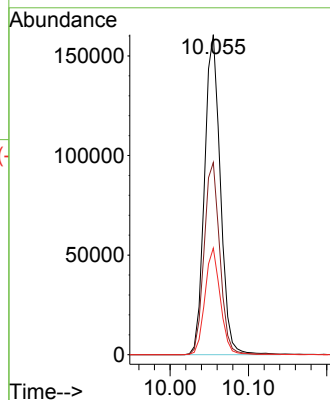
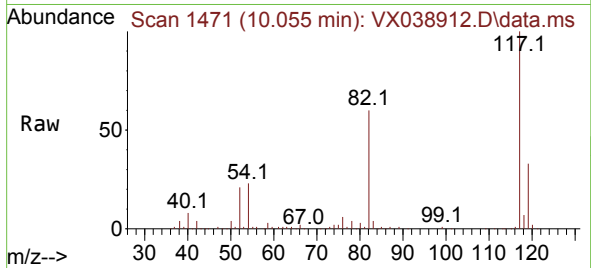




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038912.D
Acq: 18 Nov 2023 06:17

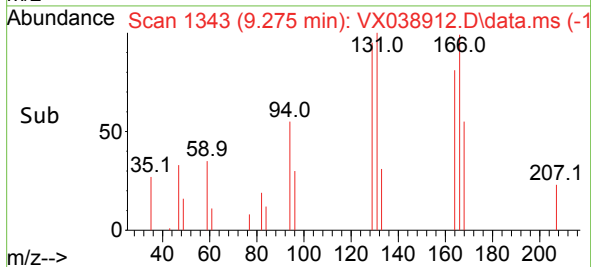
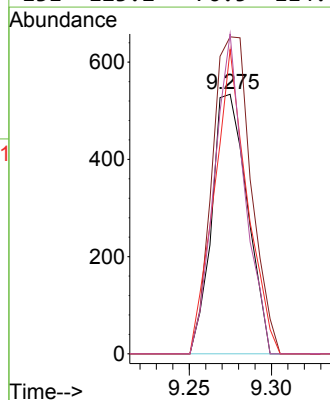
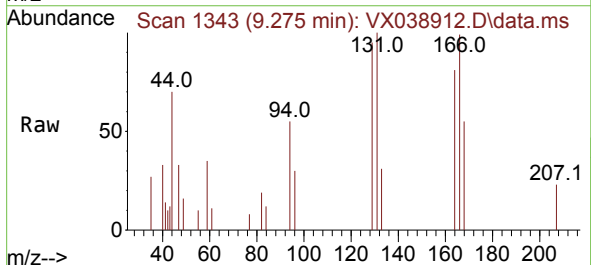
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20231110

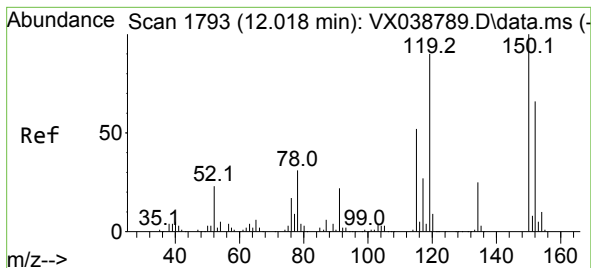
Tgt Ion:117 Resp: 225036
Ion Ratio Lower Upper
117 100
82 60.1 46.2 69.4
119 33.3 25.5 38.3



#64
Tetrachloroethene
Concen: 0.573 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX038912.D
Acq: 18 Nov 2023 06:17

Tgt Ion:164 Resp: 801
Ion Ratio Lower Upper
164 100
166 122.1 102.7 154.1
129 117.2 80.4 120.6
131 123.2 76.5 114.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX038912.D

Acq: 18 Nov 2023 06:17

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20231110

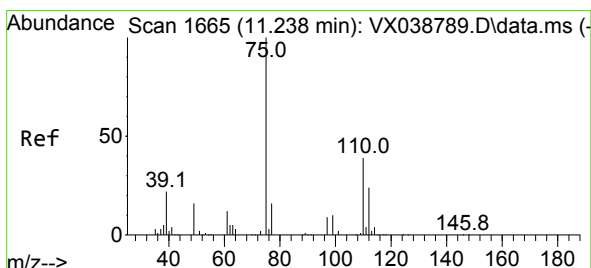
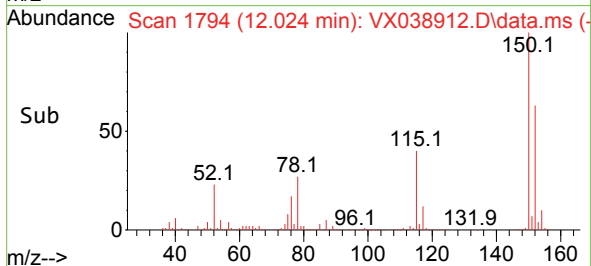
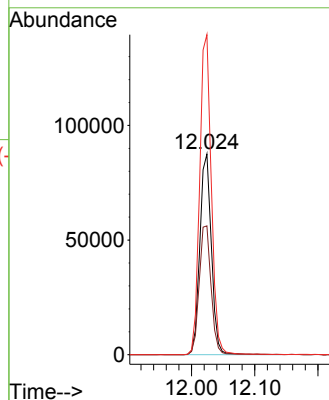
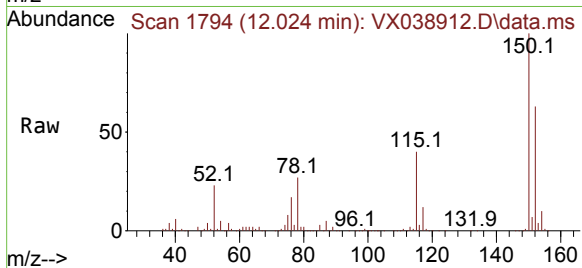
Tgt Ion:152 Resp: 111777

Ion Ratio Lower Upper

152 100

115 66.2 43.3 129.9

150 160.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.223 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038912.D

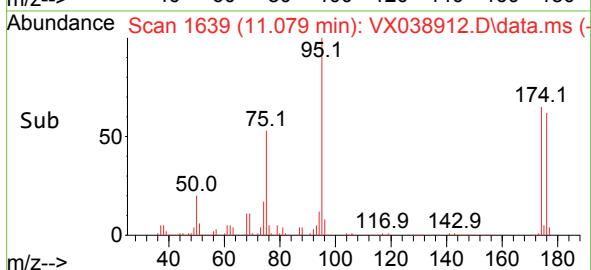
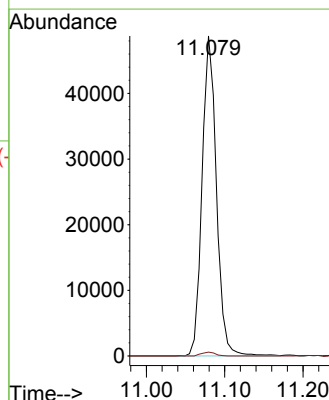
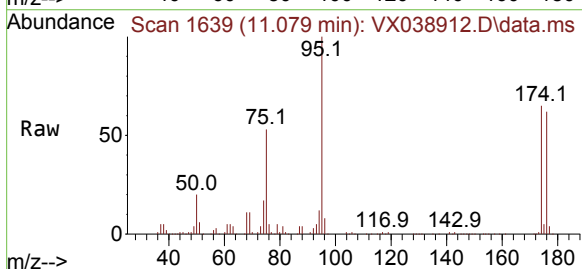
Acq: 18 Nov 2023 06:17

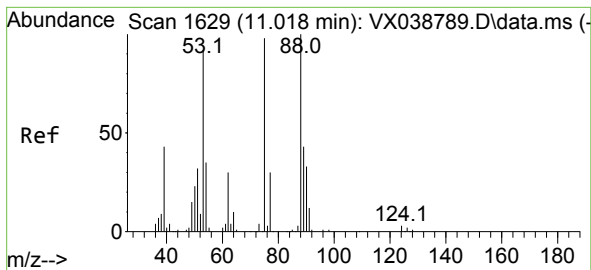
Tgt Ion: 75 Resp: 61977

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.294 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038912.D
 Acq: 18 Nov 2023 06:17

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D3-20231110

Tgt Ion: 75 Resp: 61977
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.1 36.9 55.3#

