

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111823\
 Data File : VX038932.D
 Acq On : 18 Nov 2023 16:41
 Operator : JC/MD
 Sample : 05404-31
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20231110

Quant Time: Nov 20 04:37:06 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)

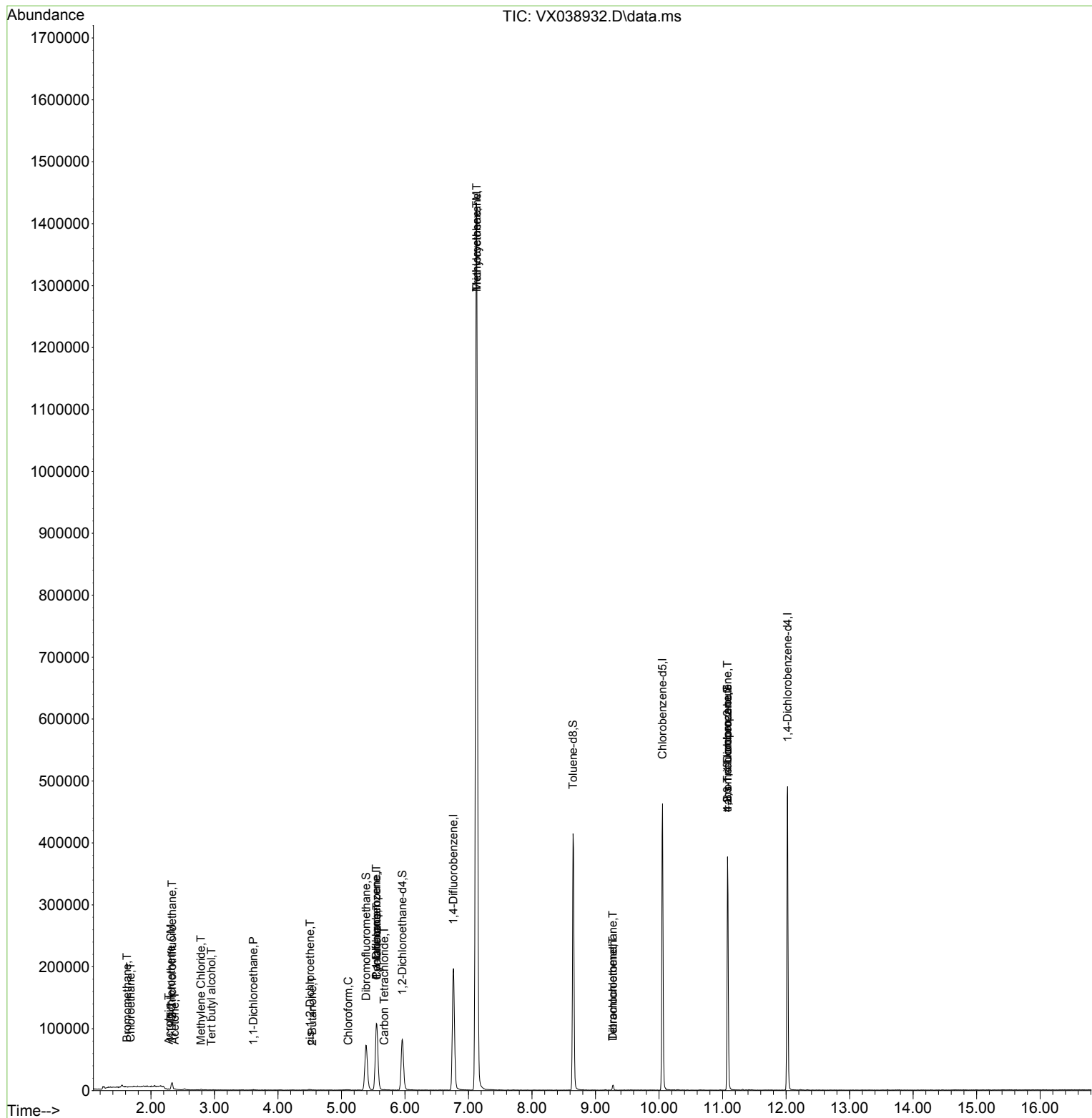
Internal Standards						
1) Pentafluorobenzene	5.550	168	98464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	199429	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78890	49.723	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.440%
35) Dibromofluoromethane	5.385	113	64572	44.832	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.660%
50) Toluene-d8	8.647	98	251042	45.555	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.100%#
62) 4-Bromofluorobenzene	11.079	95	103132	46.751	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.500%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	129	0.216	ug/l #	76
6) Chloroethane	1.678	64	261	0.317	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	4128	3.396	ug/l	97
11) Tert butyl alcohol	2.953	59	146	0.331	ug/l #	78
12) 1,1-Dichloroethene	2.313	96	453	0.369	ug/l #	74
13) Acrolein	2.282	56	80	0.343	ug/l #	1
16) Acetone	2.373	43	1113	1.318	ug/l	100
20) Methylene Chloride	2.788	84	481	0.316	ug/l #	70
24) 1,1-Dichloroethane	3.611	63	862	0.342	ug/l #	81
25) 2-Butanone	4.538	43	329	0.240	ug/l #	51
27) cis-1,2-Dichloroethene	4.507	96	764	0.484	ug/l #	1
30) Chloroform	5.105	83	1161	0.472	ug/l #	81
31) Cyclohexane	5.556	56	2707	1.195	ug/l #	22
36) 1,1-Dichloropropene	5.550	75	8860	4.292	ug/l #	51
38) Carbon Tetrachloride	5.672	117	383	0.201	ug/l #	85
39) Methylcyclohexane	7.129	83	7437	2.762	ug/l #	1
44) Trichloroethene	7.129	130	532695	358.437	ug/l	96
60) Dibromochloromethane	9.275	129	1504	0.936	ug/l #	11
64) Tetrachloroethene	9.275	164	1352	1.085	ug/l #	87
76) 1,2,3-Trichloropropane	11.079	75	55606	23.415	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	55606	51.937	ug/l #	5

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

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Quant Title : SW846 8260
QLast Update : Thu Nov 16 22:59:22 2023
Response via : Initial Calibration

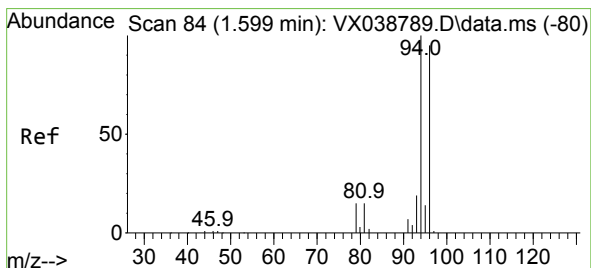
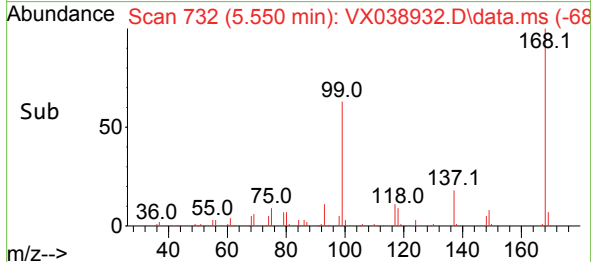
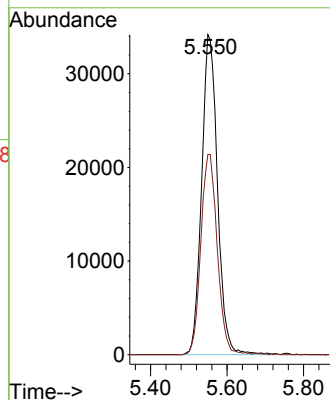
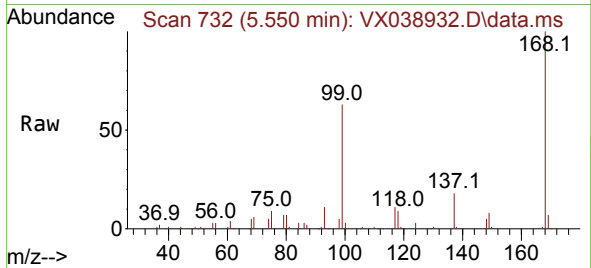




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

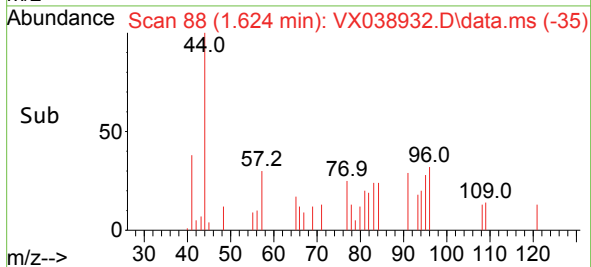
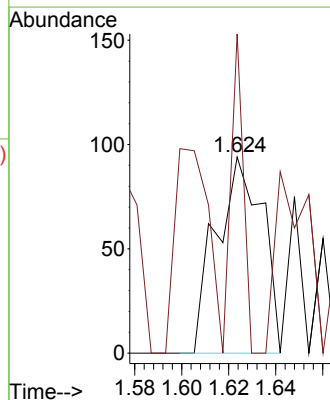
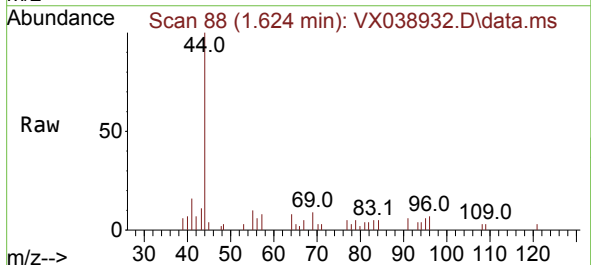
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20231110

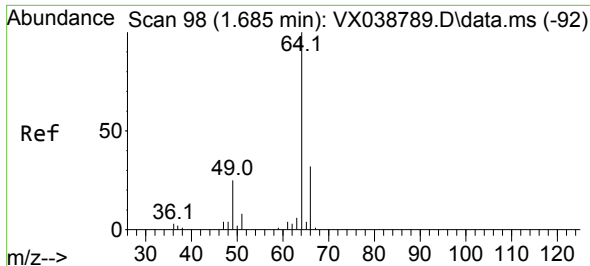
Tgt Ion:168 Resp: 98464
Ion Ratio Lower Upper
168 100
99 62.6 56.6 85.0



#5
Bromomethane
Concen: 0.216 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

Tgt Ion: 94 Resp: 129
Ion Ratio Lower Upper
94 100
96 70.2 74.6 111.8#

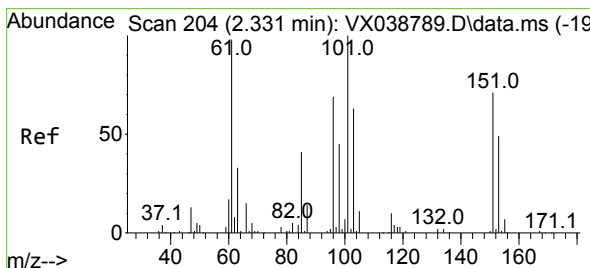
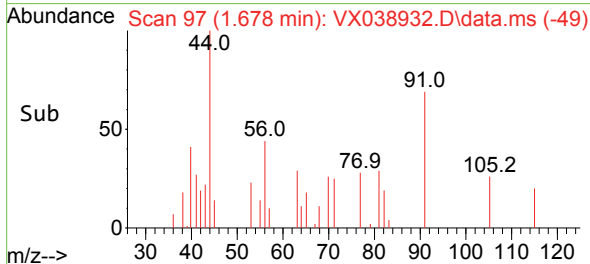
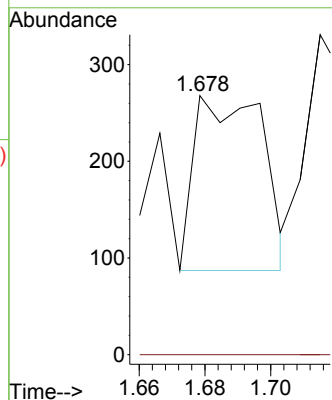
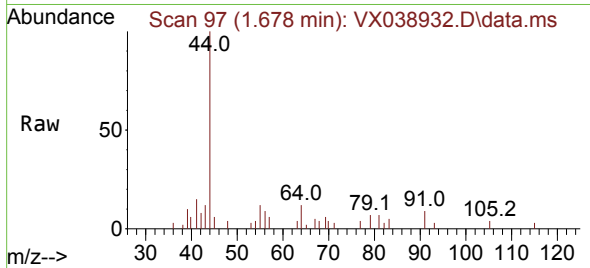




#6
Chloroethane
Concen: 0.317 ug/l
RT: 1.678 min Scan# 91
Delta R.T. -0.007 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

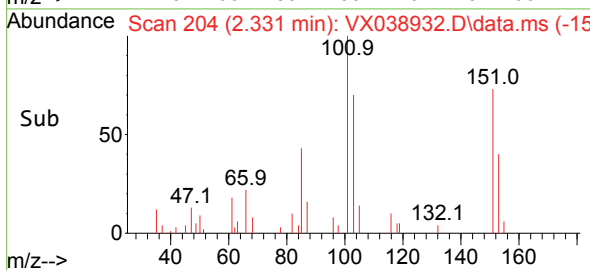
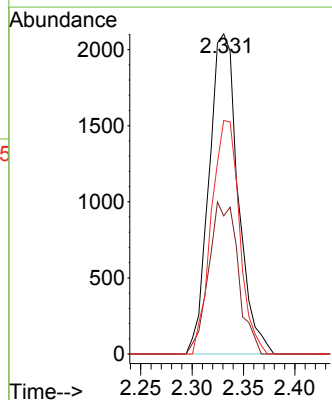
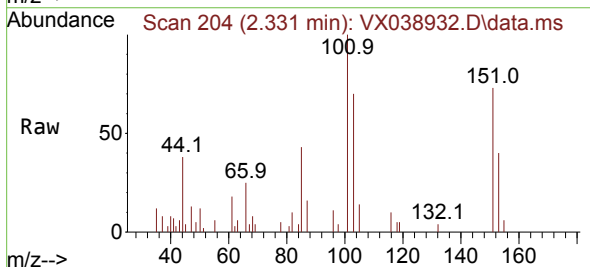
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20231110

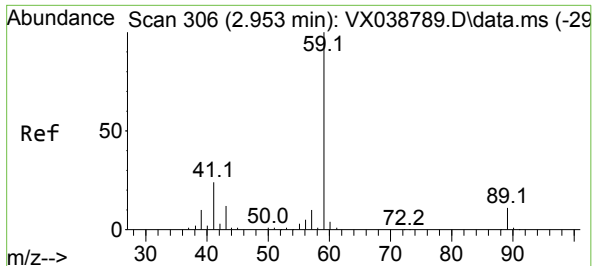
Tgt Ion: 64 Resp: 261
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.396 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

Tgt Ion: 101 Resp: 4128
Ion Ratio Lower Upper
101 100
85 48.0 37.0 55.6
151 70.5 58.6 87.8

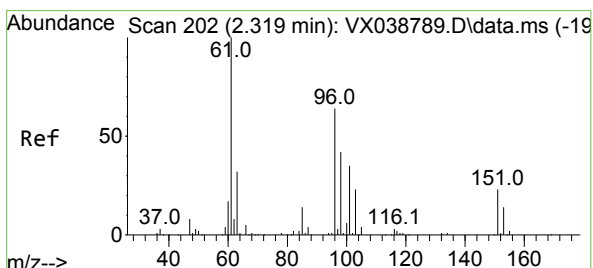
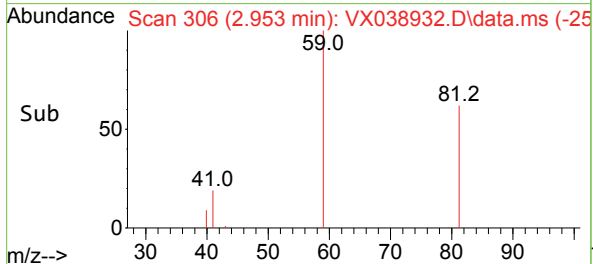
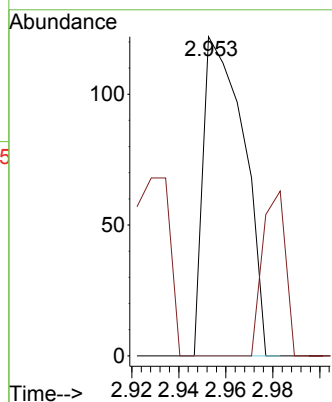
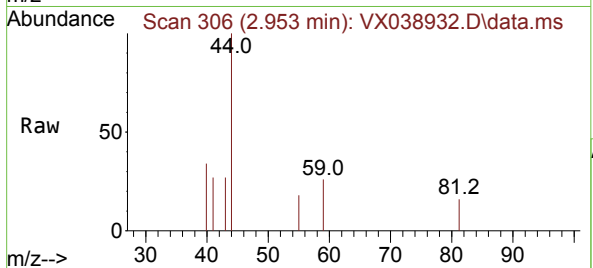




#11
Tert butyl alcohol
Concen: 0.331 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

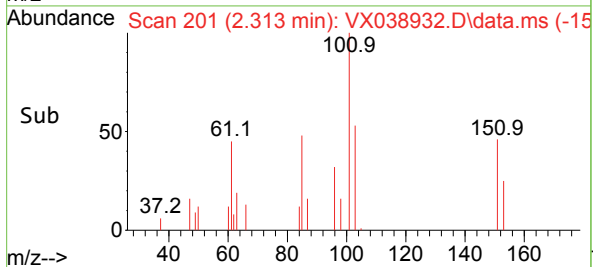
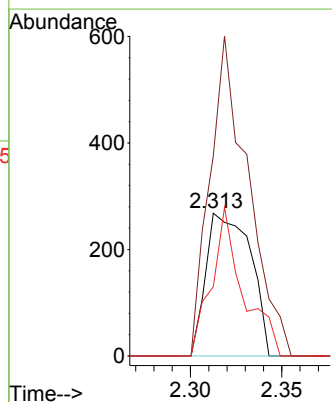
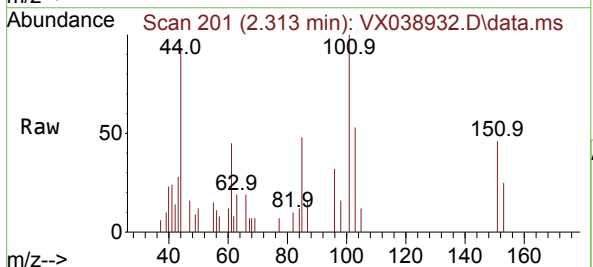
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20231110

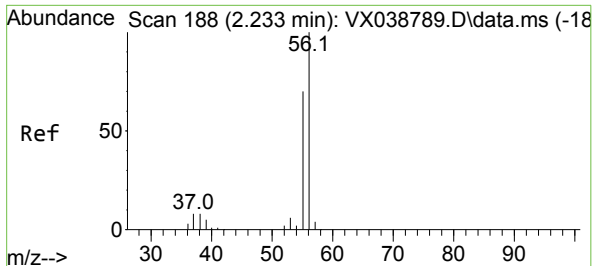
Tgt Ion: 59 Resp: 146
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 0.369 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

Tgt Ion: 96 Resp: 453
Ion Ratio Lower Upper
96 100
61 140.3 144.6 216.8#
98 48.5 50.4 75.6#

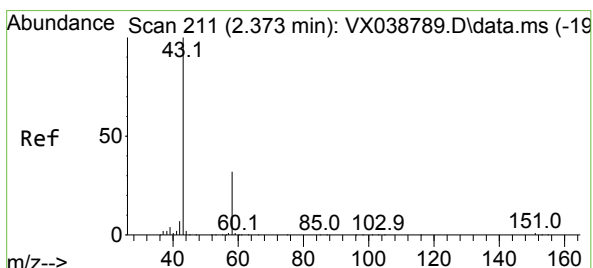
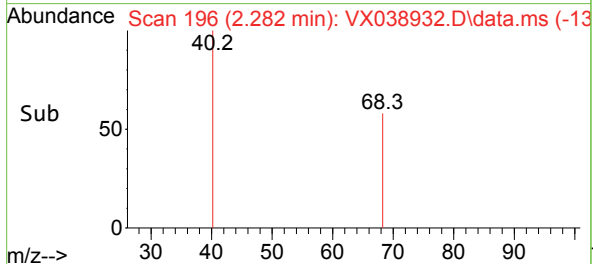
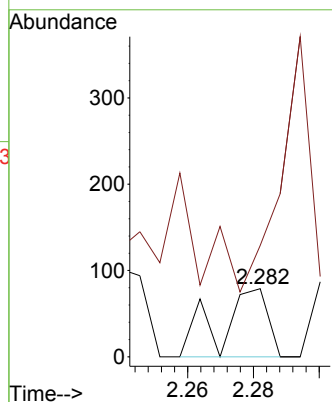
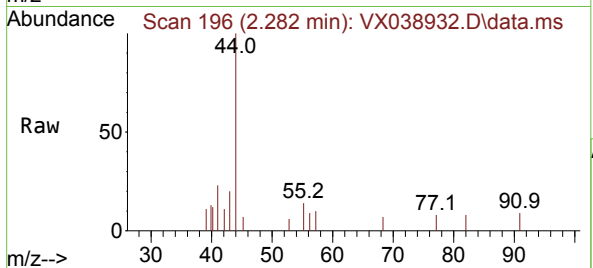




#13
Acrolein
Concen: 0.343 ug/l
RT: 2.282 min Scan# 196
Delta R.T. 0.049 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

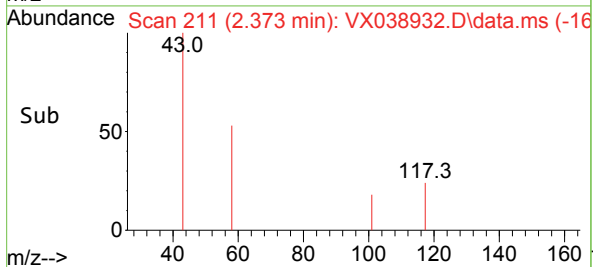
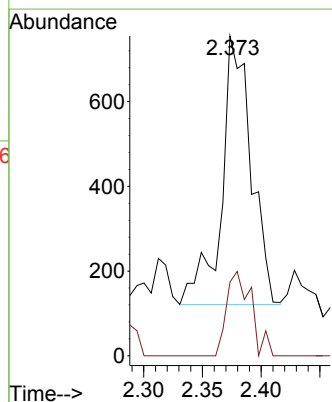
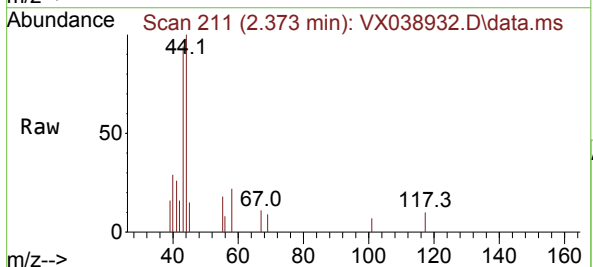
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20231110

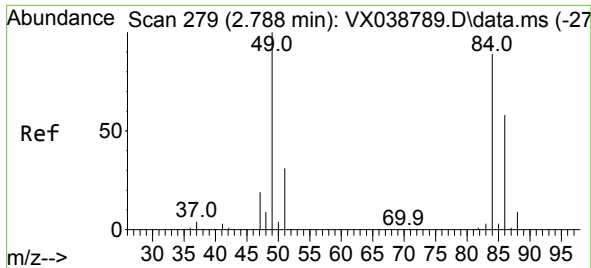
Tgt Ion: 56 Resp: 80
Ion Ratio Lower Upper
56 100
55 440.0 57.1 85.7#



#16
Acetone
Concen: 1.318 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

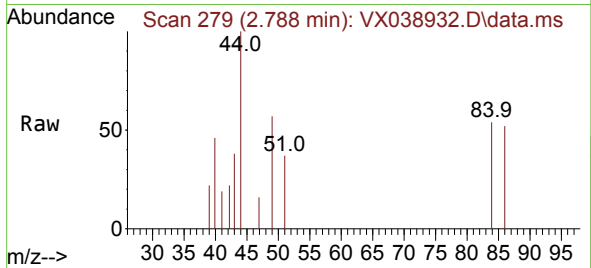
Tgt Ion: 43 Resp: 1113
Ion Ratio Lower Upper
43 100
58 27.4 21.9 32.9





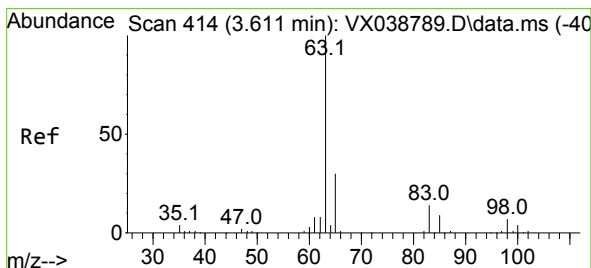
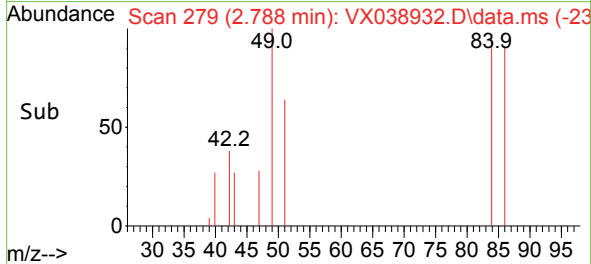
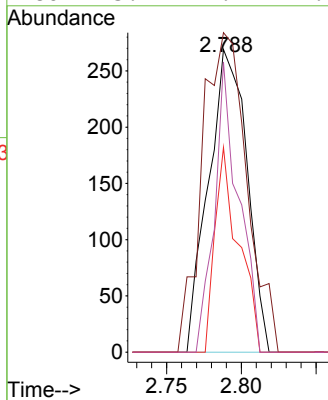
#20
Methylene Chloride
Concen: 0.316 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20231110



Tgt Ion: 84 Resp: 481

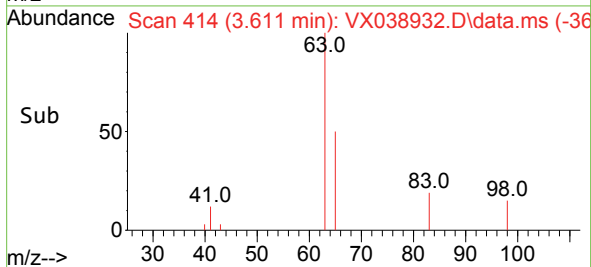
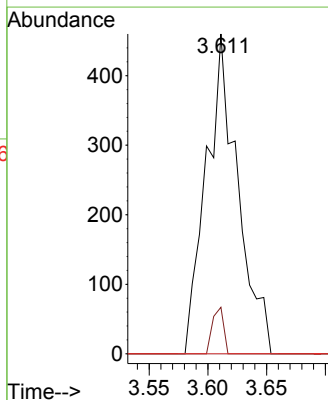
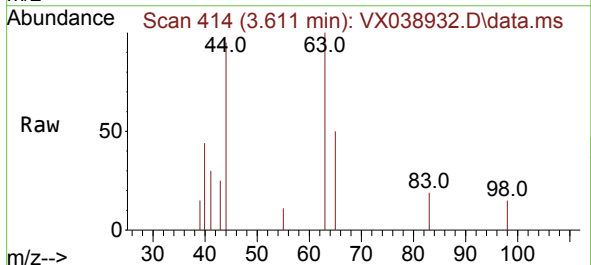
Ion	Ratio	Lower	Upper
84	100		
49	105.6	103.6	155.4
51	67.7	33.8	50.6#
86	95.9	49.4	74.0#

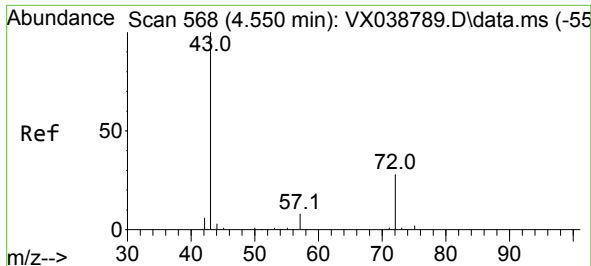


#24
1,1-Dichloroethane
Concen: 0.342 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

Tgt Ion: 63 Resp: 862

Ion	Ratio	Lower	Upper
63	100		
98	14.6	3.3	9.8#
100	0.0	2.1	6.5#





#25

2-Butanone

Concen: 0.240 ug/l

RT: 4.538 min Scan# 50

Delta R.T. -0.012 min

Lab File: VX038932.D

Acq: 18 Nov 2023 16:41

Instrument :

MSVOA_X

ClientSampleId :

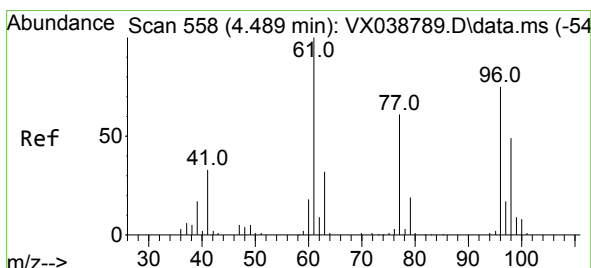
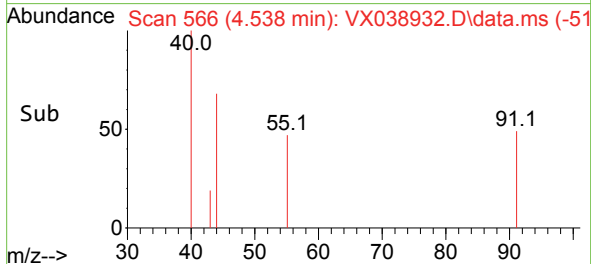
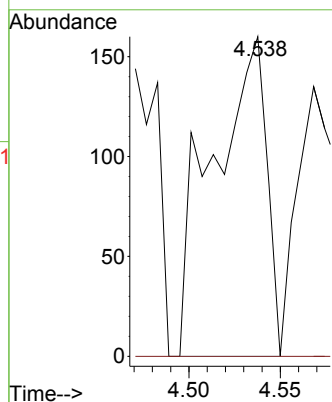
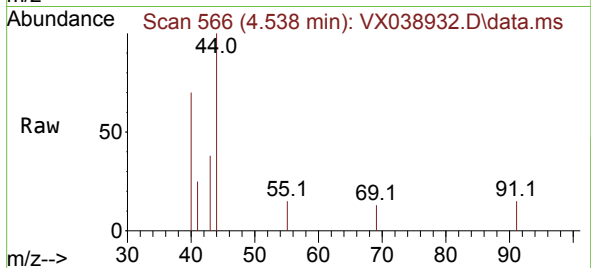
RE103D2-20231110

Tgt Ion: 43 Resp: 329

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#27

cis-1,2-Dichloroethene

Concen: 0.484 ug/l

RT: 4.507 min Scan# 561

Delta R.T. 0.018 min

Lab File: VX038932.D

Acq: 18 Nov 2023 16:41

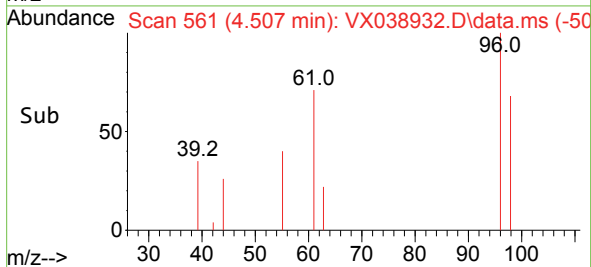
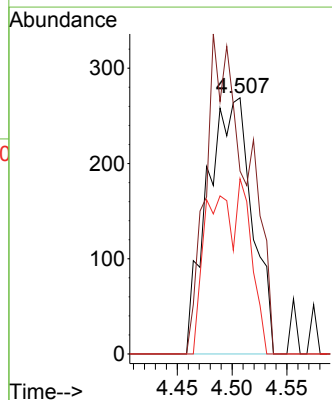
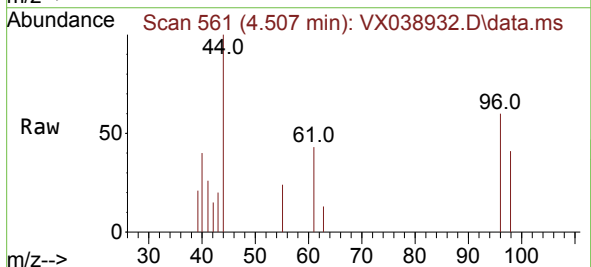
Tgt Ion: 96 Resp: 764

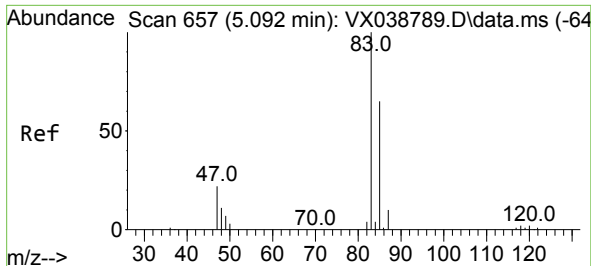
Ion Ratio Lower Upper

96 100

61 0.0 0.0 312.2

98 0.0 0.0 129.0

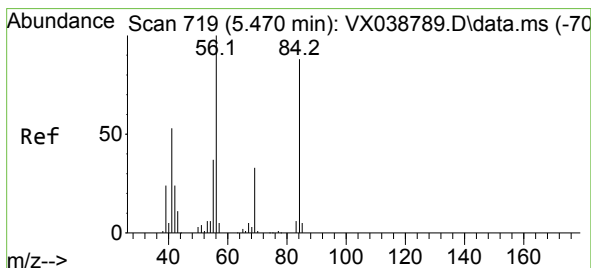
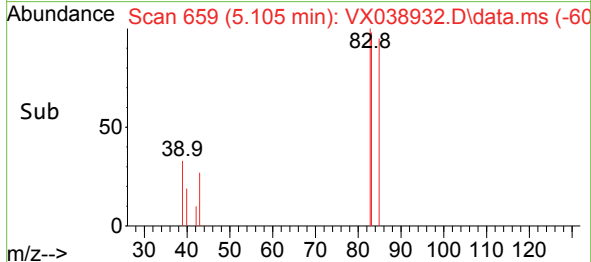
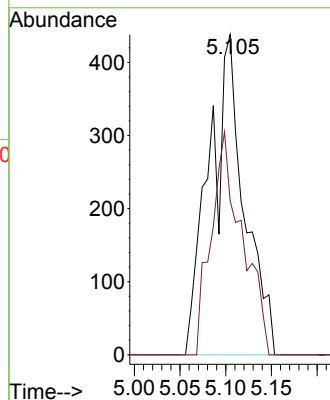
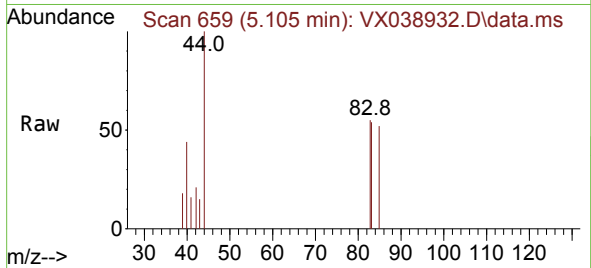




#30
Chloroform
Concen: 0.472 ug/l
RT: 5.105 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

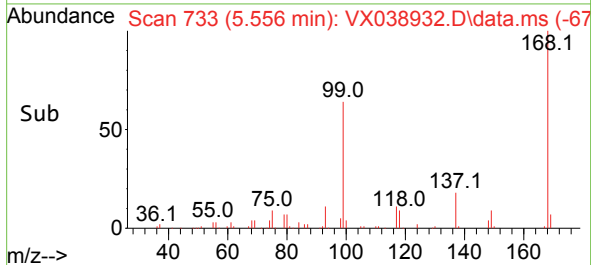
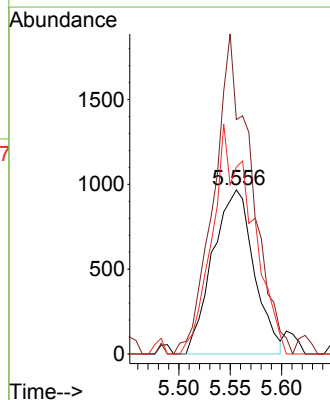
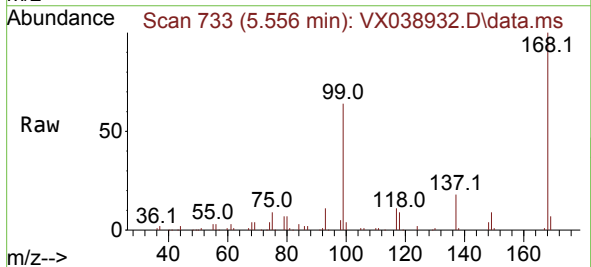
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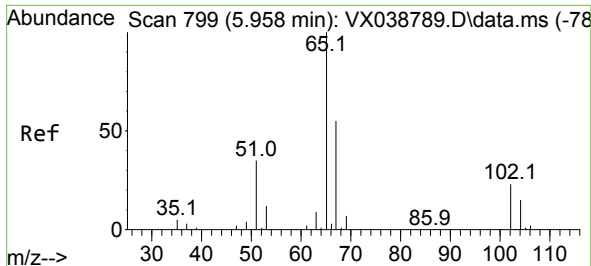
Tgt Ion: 83 Resp: 1161
Ion Ratio Lower Upper
83 100
85 48.2 50.3 75.5#



#31
Cyclohexane
Concen: 1.195 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

Tgt Ion: 56 Resp: 2707
Ion Ratio Lower Upper
56 100
69 136.3 23.4 35.2#
84 114.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.723 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038932.D

Acq: 18 Nov 2023 16:41

Instrument :

MSVOA_X

ClientSampleId :

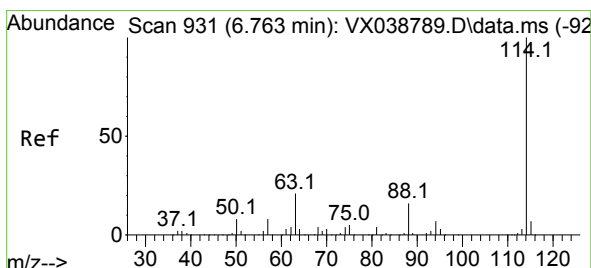
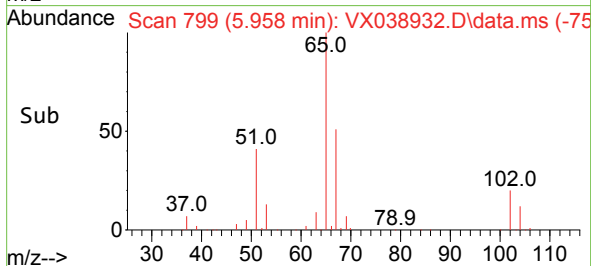
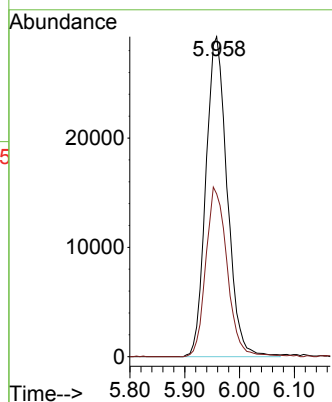
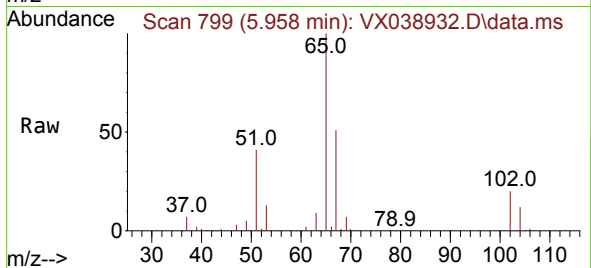
RE103D2-20231110

Tgt Ion: 65 Resp: 78890

Ion Ratio Lower Upper

65 100

67 53.2 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: VX038932.D

Acq: 18 Nov 2023 16:41

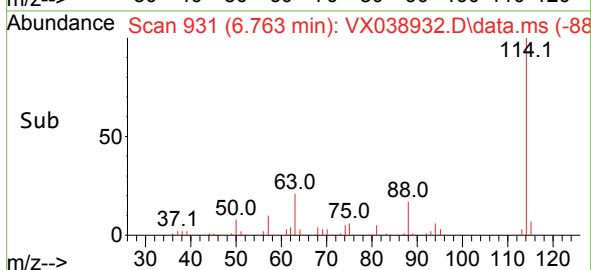
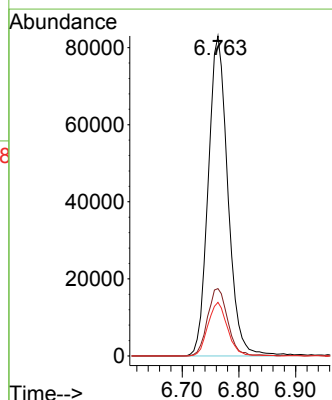
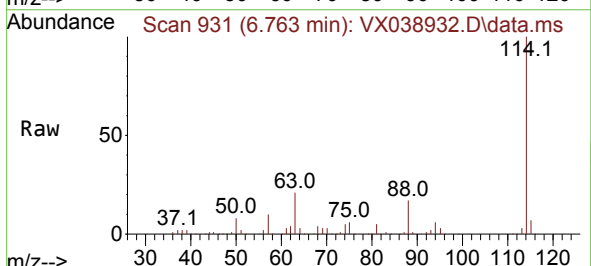
Tgt Ion: 114 Resp: 199429

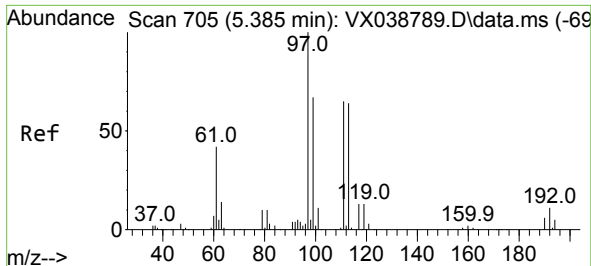
Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.0

88 16.8 0.0 36.6

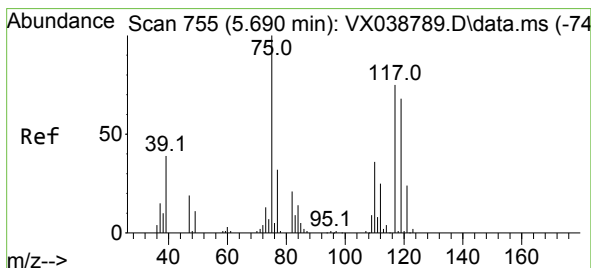
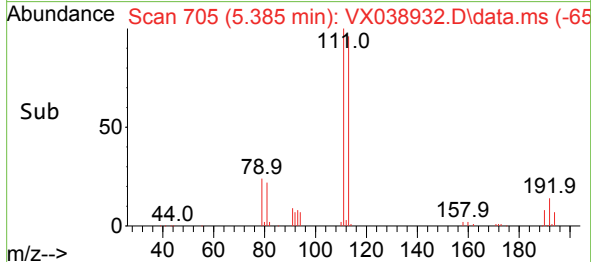
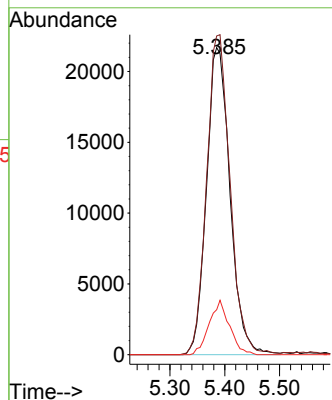
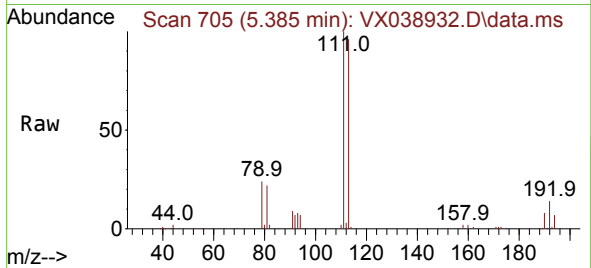




#35
Dibromofluoromethane
Concen: 44.832 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

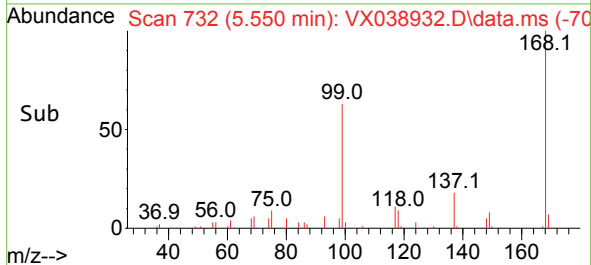
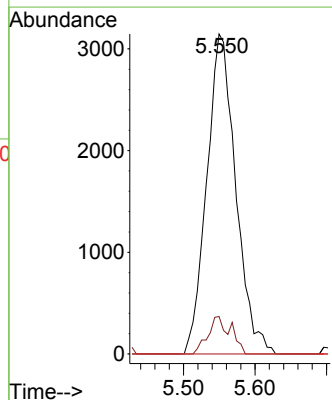
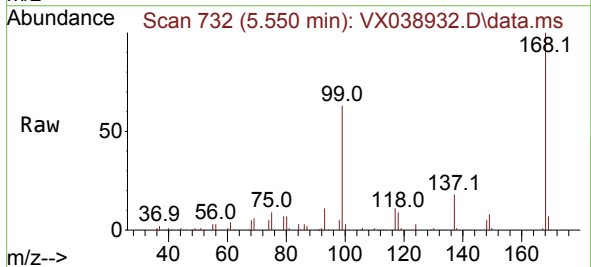
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20231110

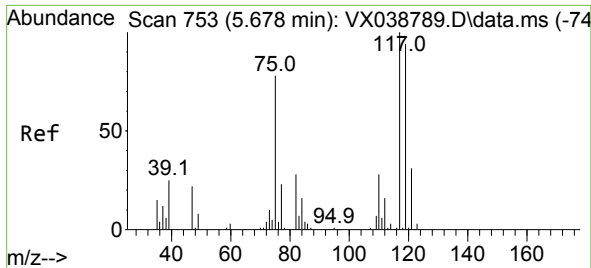
Tgt Ion:113 Resp: 64572
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 15.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.292 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

Tgt Ion: 75 Resp: 8860
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#

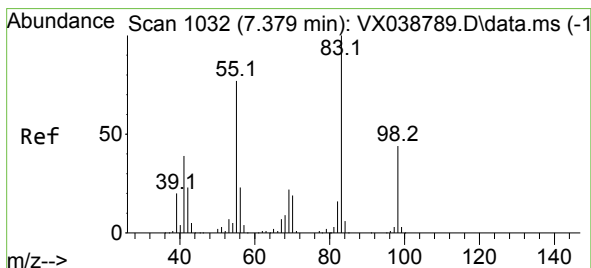
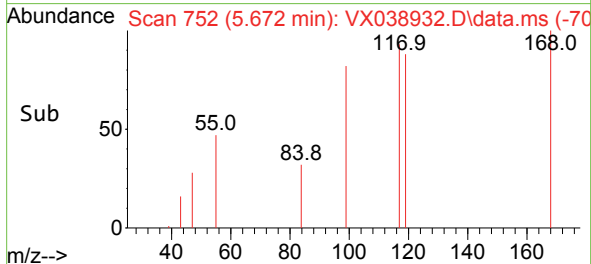
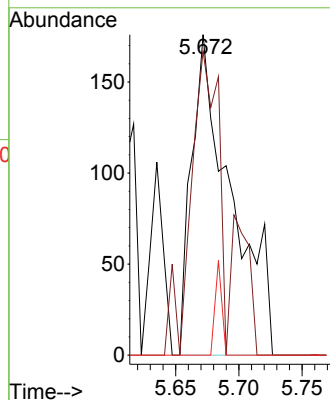
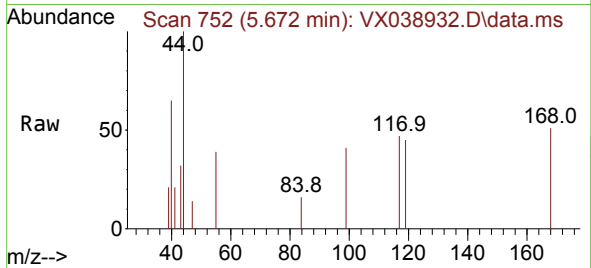




#38
Carbon Tetrachloride
Concen: 0.201 ug/l
RT: 5.672 min Scan# 711
Delta R.T. -0.006 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

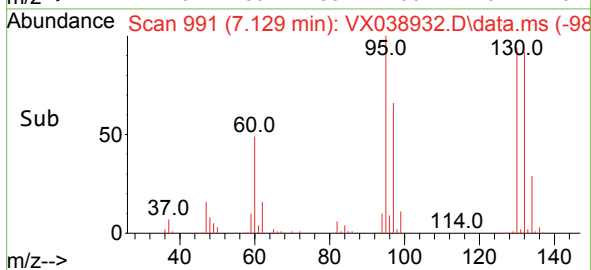
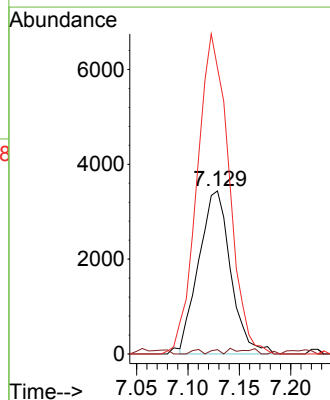
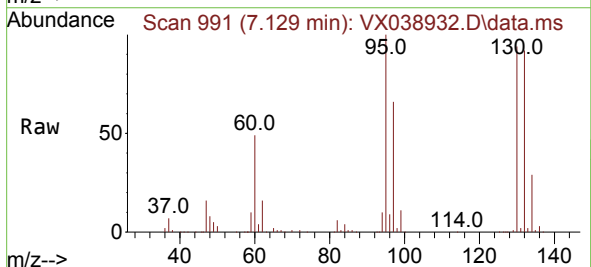
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20231110

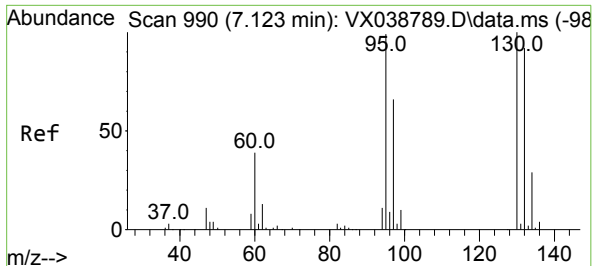
Tgt Ion:117 Resp: 383
Ion Ratio Lower Upper
117 100
119 94.9 78.2 117.2
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 2.762 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

Tgt Ion: 83 Resp: 7437
Ion Ratio Lower Upper
83 100
55 2.6 64.6 97.0#
98 175.5 36.7 55.1#

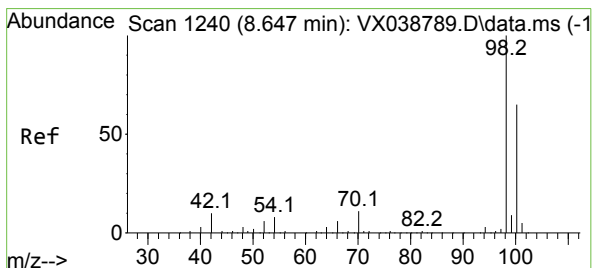
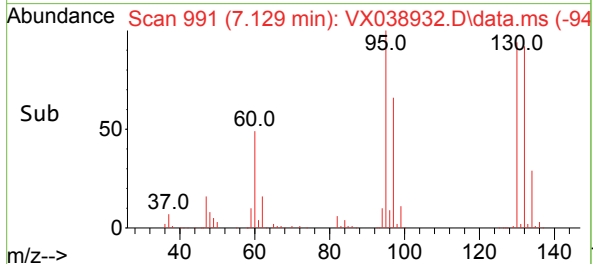
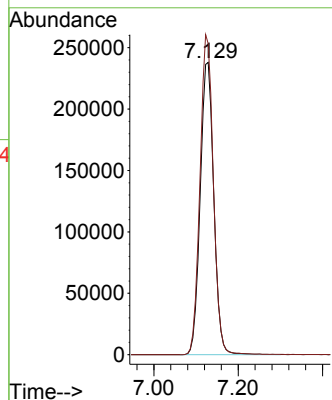
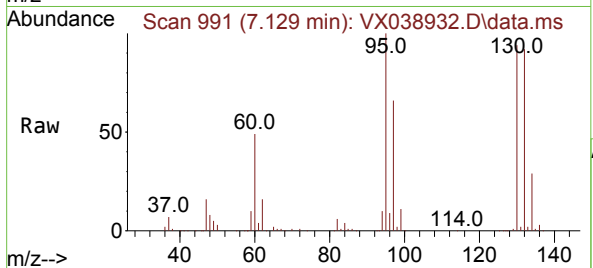




#44
Trichloroethene
Concen: 358.437 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

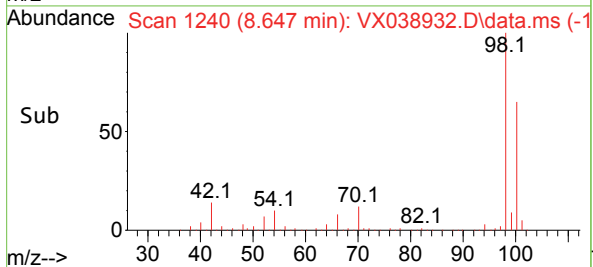
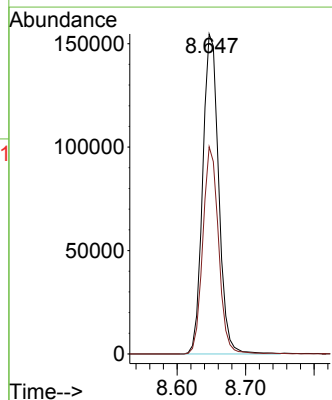
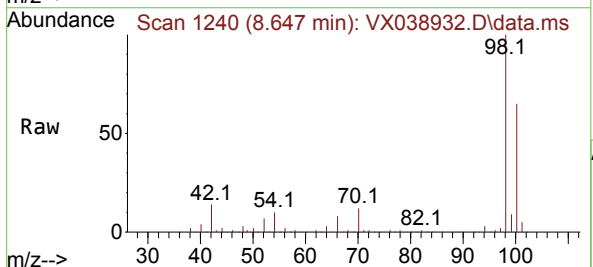
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20231110

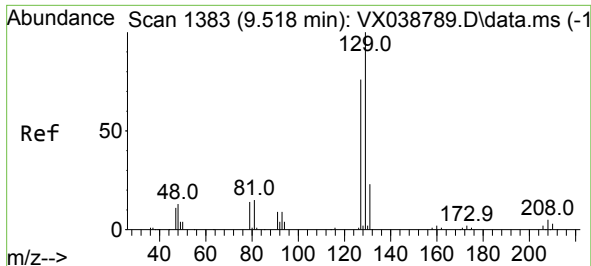
Tgt Ion:130 Resp: 532695
Ion Ratio Lower Upper
130 100
95 106.5 0.0 204.4



#50
Toluene-d8
Concen: 45.555 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

Tgt Ion: 98 Resp: 251042
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7

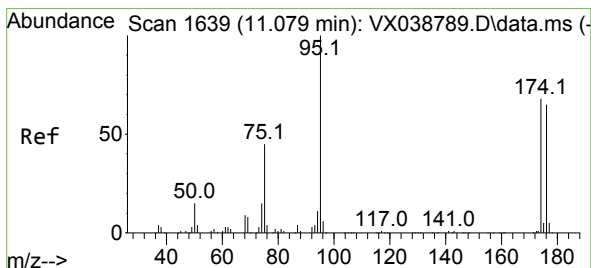
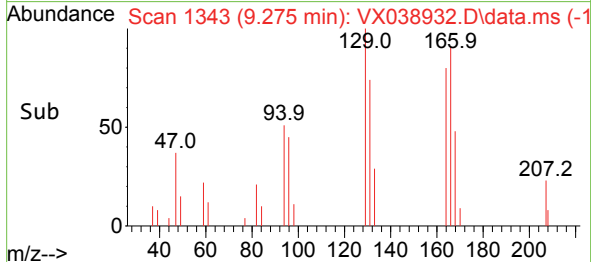
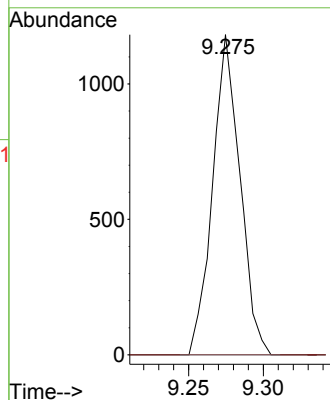
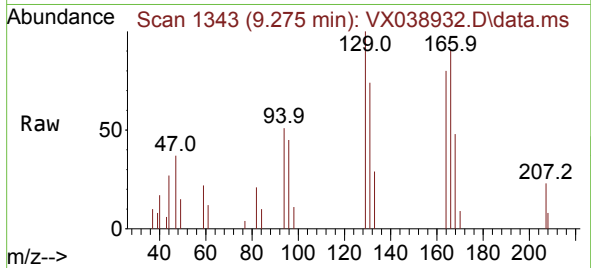




#60
Dibromochloromethane
Concen: 0.936 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

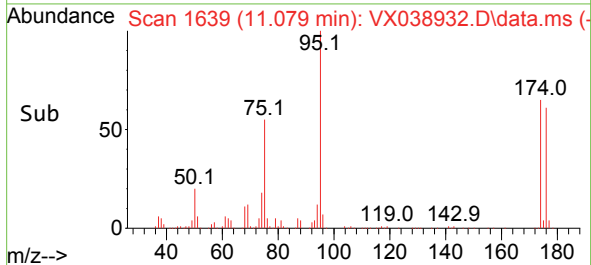
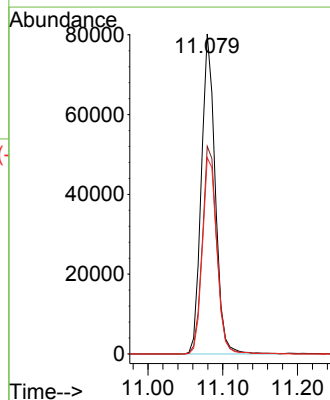
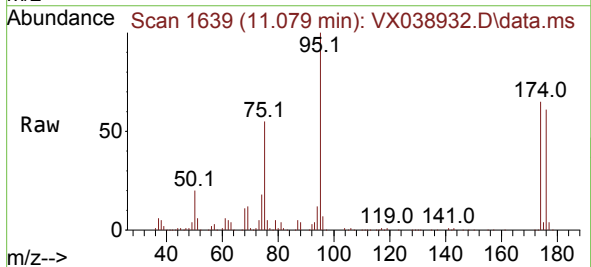
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20231110

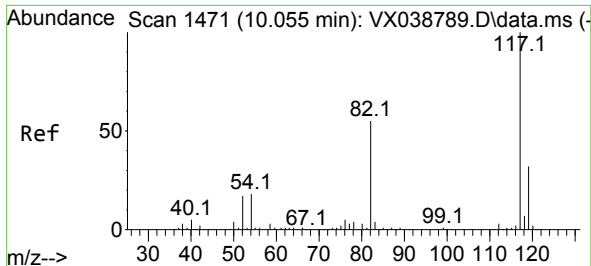
Tgt Ion:129 Resp: 1504
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 46.751 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

Tgt Ion: 95 Resp: 103132
Ion Ratio Lower Upper
95 100
174 68.2 0.0 135.6
176 64.2 0.0 131.0

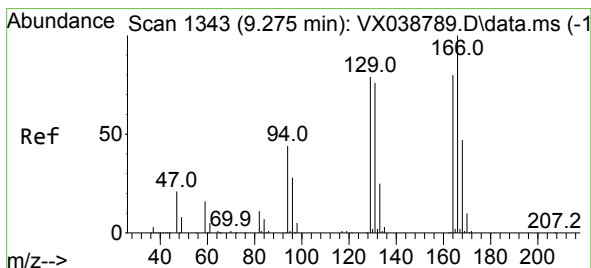
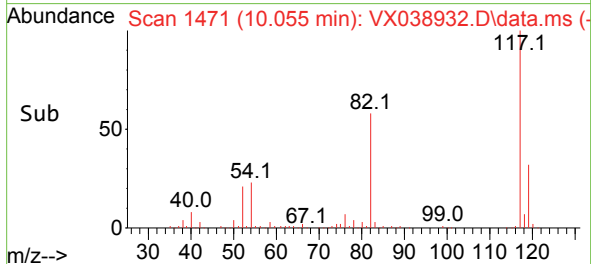
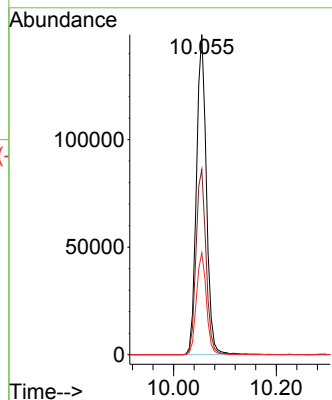
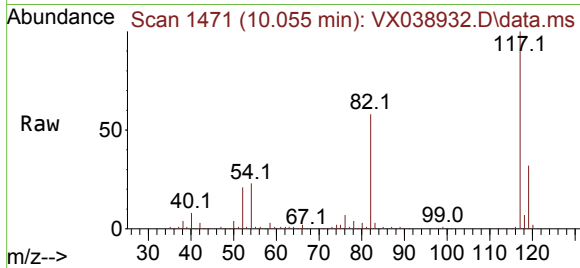




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

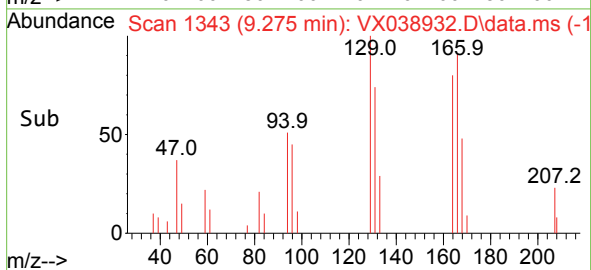
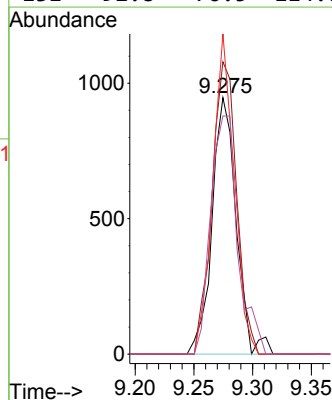
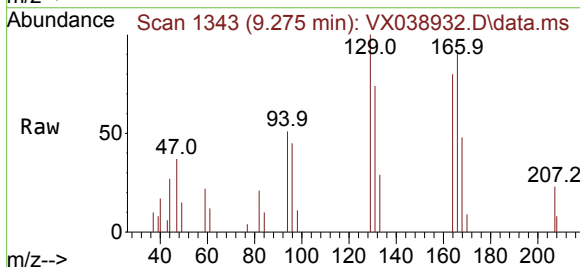
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20231110

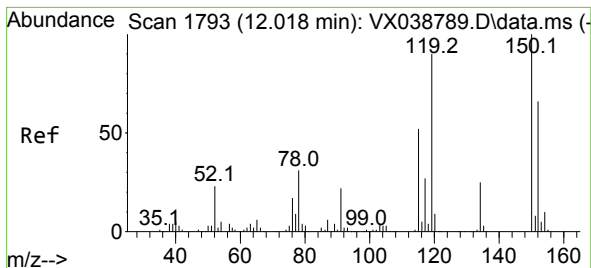
Tgt Ion:117 Resp: 200443
Ion Ratio Lower Upper
117 100
82 57.9 46.2 69.4
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 1.085 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX038932.D
Acq: 18 Nov 2023 16:41

Tgt Ion:164 Resp: 1352
Ion Ratio Lower Upper
164 100
166 113.9 102.7 154.1
129 124.8 80.4 120.6#
131 92.8 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX038932.D

Acq: 18 Nov 2023 16:41

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20231110

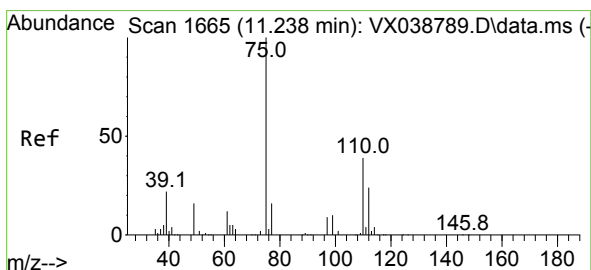
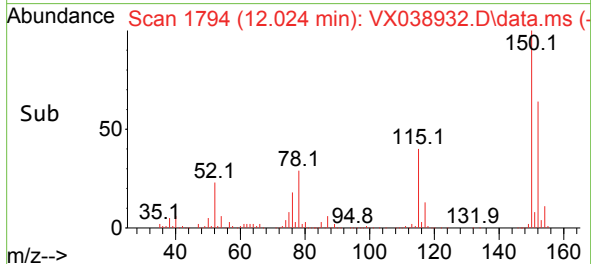
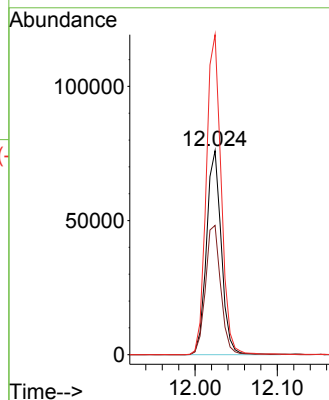
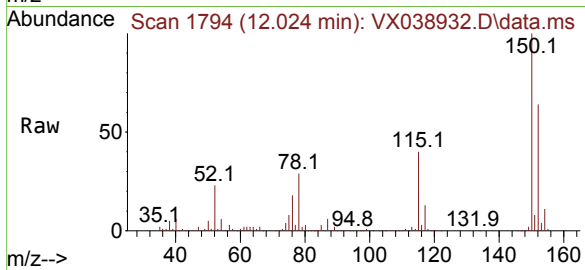
Tgt Ion:152 Resp: 95183

Ion Ratio Lower Upper

152 100

115 65.3 43.3 129.9

150 157.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.415 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038932.D

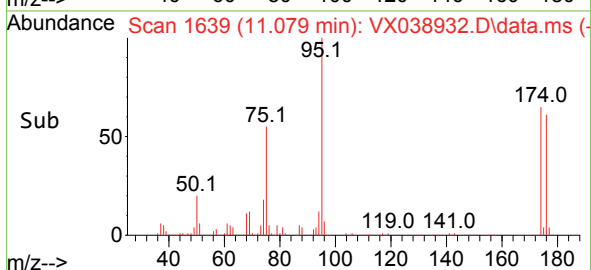
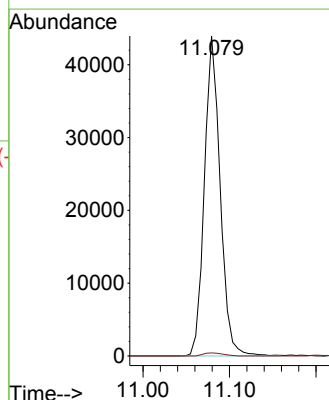
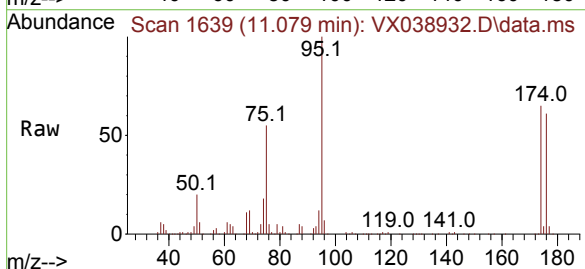
Acq: 18 Nov 2023 16:41

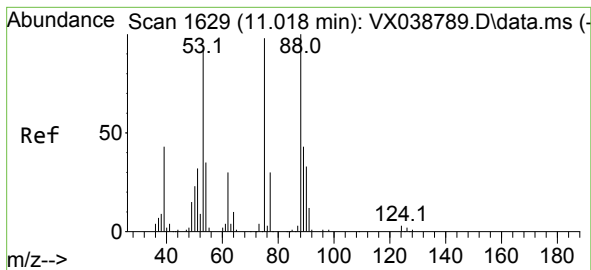
Tgt Ion: 75 Resp: 55606

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.937 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038932.D
 Acq: 18 Nov 2023 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20231110

Tgt Ion: 75 Resp: 55606
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

