

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082323\
 Data File : VX037182.D
 Acq On : 23 Aug 2023 14:41
 Operator : JC/MD
 Sample : 04025-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D1-20230814RE

Quant Time: Aug 24 05:32:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

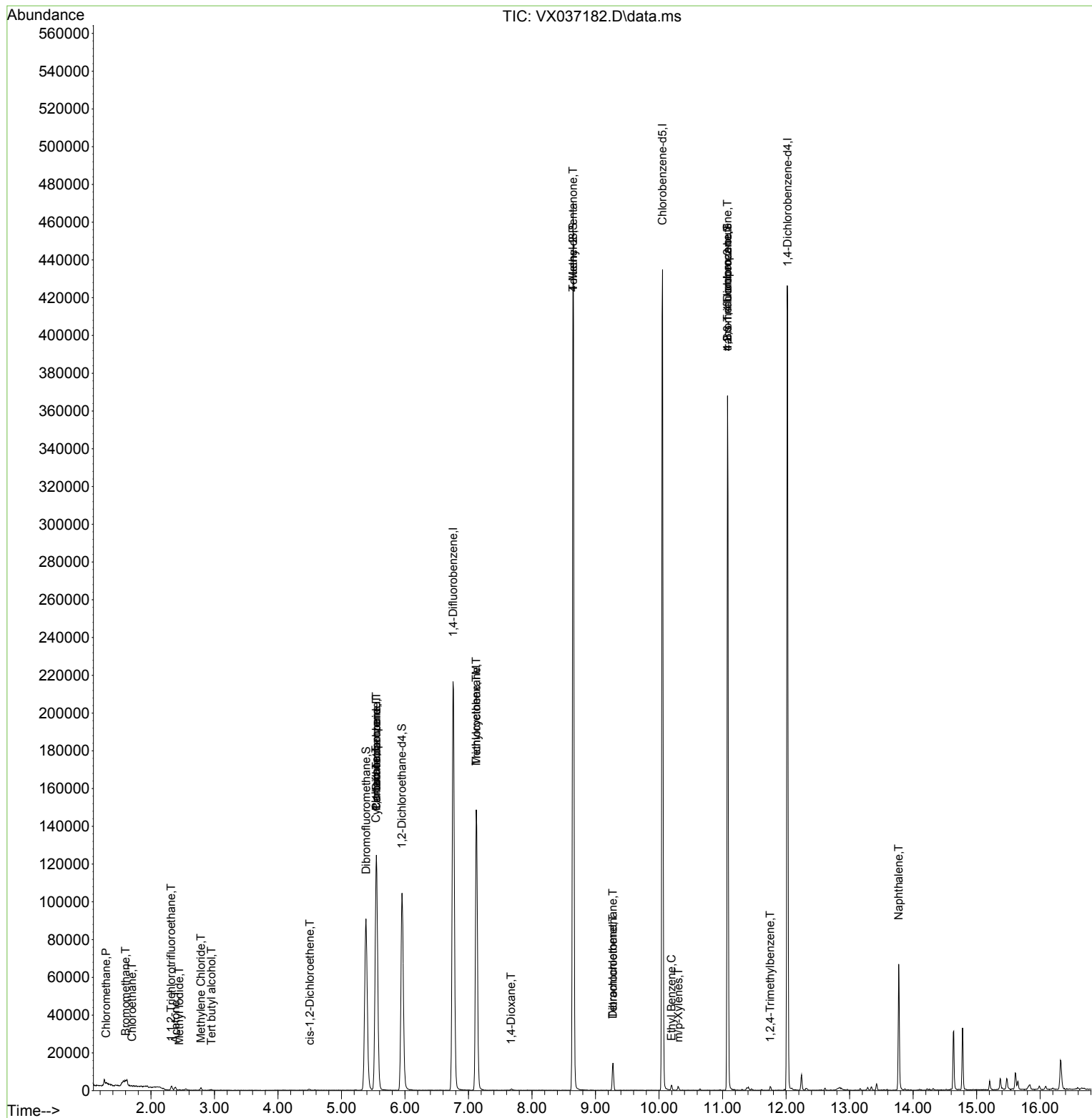
Internal Standards						
1) Pentafluorobenzene	5.550	168	114026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	227111	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	105283	64.045	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 128.100%#		
35) Dibromofluoromethane	5.385	113	80004	53.191	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.380%		
50) Toluene-d8	8.647	98	273739	50.173	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 100.340%		
62) 4-Bromofluorobenzene	11.079	95	101819	47.488	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 94.980%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	821	0.708	ug/l	98
5) Bromomethane	1.599	94	253	0.403	ug/l #	53
6) Chloroethane	1.703	64	239	0.322	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.319	101	903	0.749	ug/l	96
10) Methyl Iodide	2.447	142	302	0.206	ug/l #	42
11) Tert butyl alcohol	2.953	59	283	0.734	ug/l #	78
16) Acetone	2.386	43	1761	2.738	ug/l	99
20) Methylene Chloride	2.788	84	679	0.472	ug/l #	69
27) cis-1,2-Dichloroethene	4.501	96	384	0.244	ug/l	75
31) Cyclohexane	5.544	56	2357	1.275	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9450	4.422	ug/l #	52
38) Carbon Tetrachloride	5.550	117	12440	5.359	ug/l #	15
39) Methylcyclohexane	7.123	83	697	0.310	ug/l #	1
44) Trichloroethene	7.123	130	59632	34.314	ug/l	98
49) 1,4-Dioxane	7.671	88	670	14.720	ug/l #	74
51) 4-Methyl-2-Pentanone	8.647	43	1071	0.509	ug/l #	1
60) Dibromochloromethane	9.275	129	2728	1.554	ug/l #	11
64) Tetrachloroethene	9.275	164	2759	1.871	ug/l	91
67) Ethyl Benzene	10.195	91	1992	0.265	ug/l	94
68) m/p-Xylenes	10.305	106	594	0.205	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	51857	27.409	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	51857	76.556	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	1366	0.251	ug/l	91
95) Naphthalene	13.774	128	42930	5.793	ug/l	99

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

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Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20230814RE

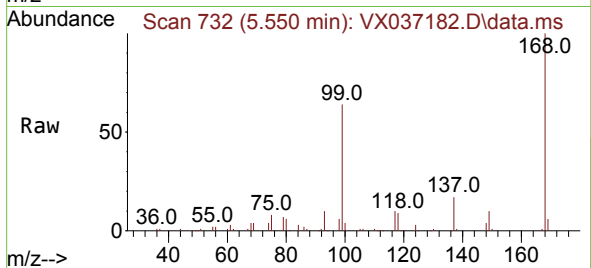
Quant Time: Aug 24 05:32:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



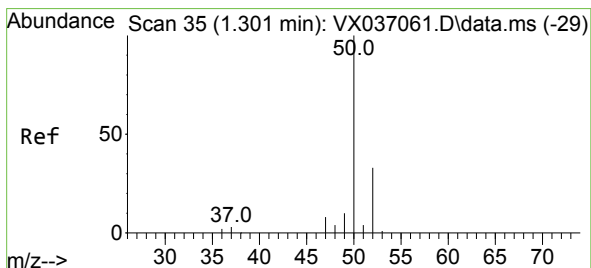
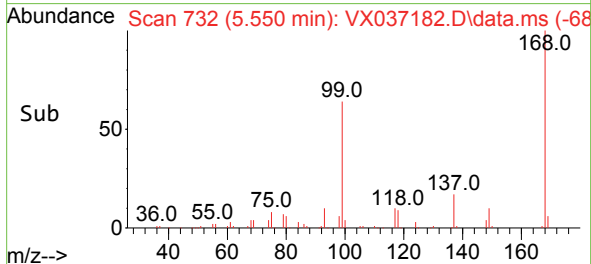
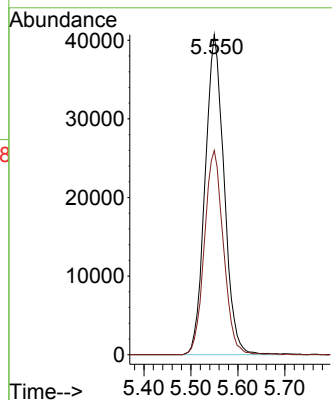


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20230814RE

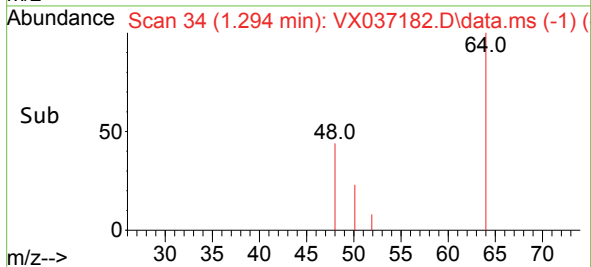
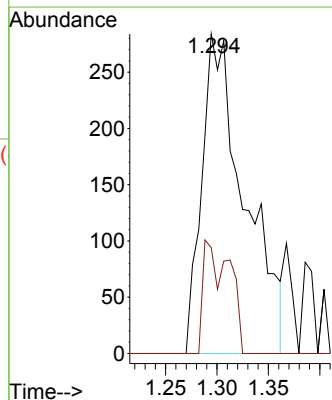
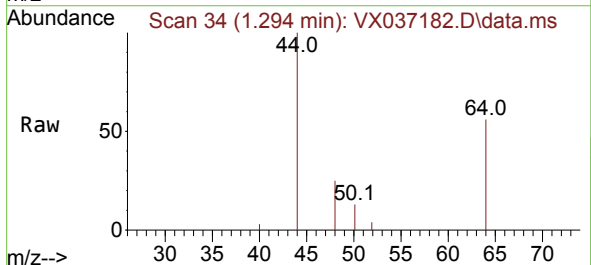


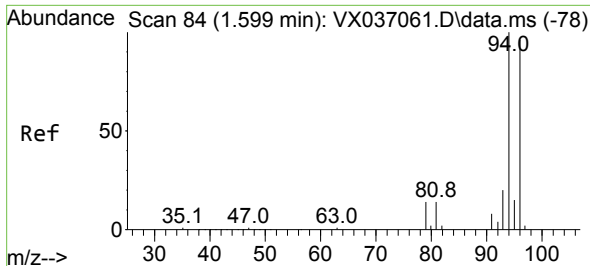
Tgt Ion:168 Resp: 114026
Ion Ratio Lower Upper
168 100
99 63.8 56.6 85.0



#3
Chloromethane
Concen: 0.708 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

Tgt Ion: 50 Resp: 821
Ion Ratio Lower Upper
50 100
52 33.1 25.5 38.3

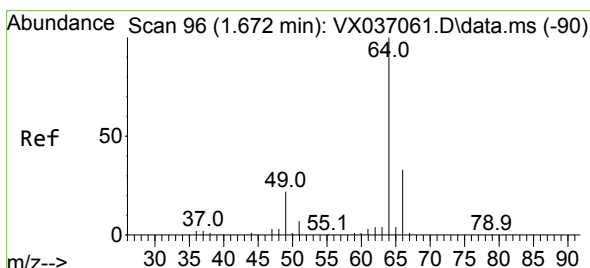
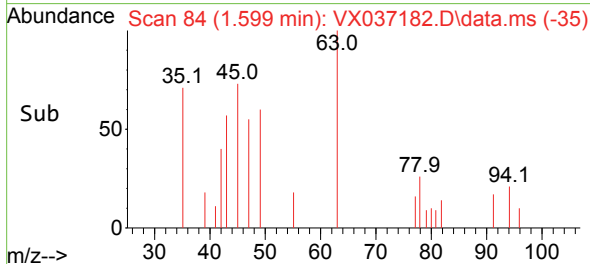
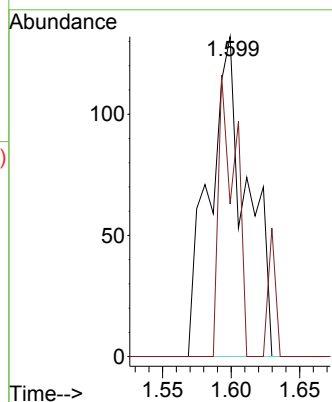
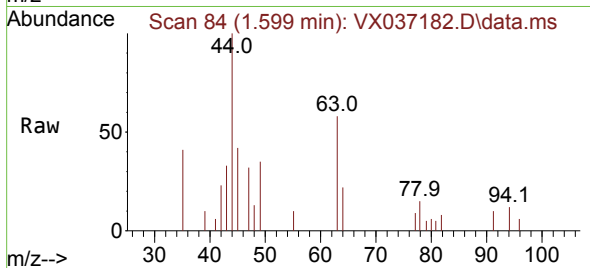




#5
Bromomethane
Concen: 0.403 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

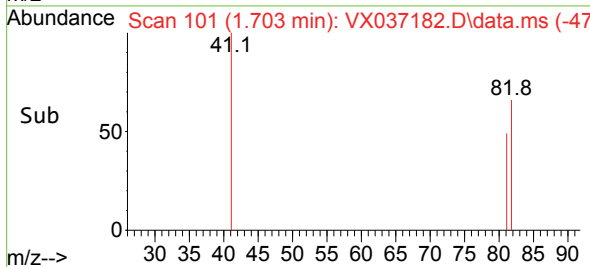
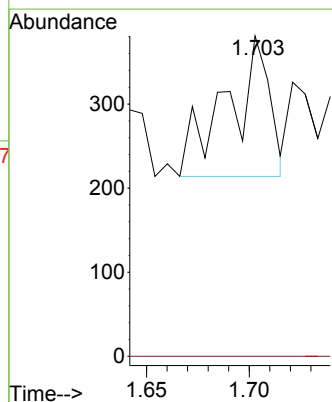
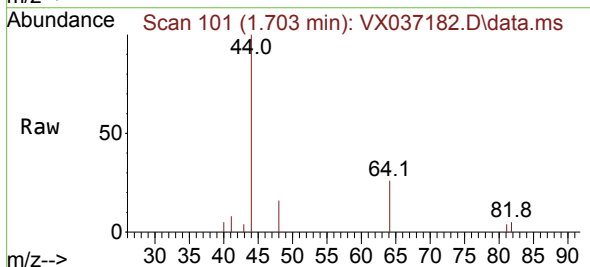
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20230814RE

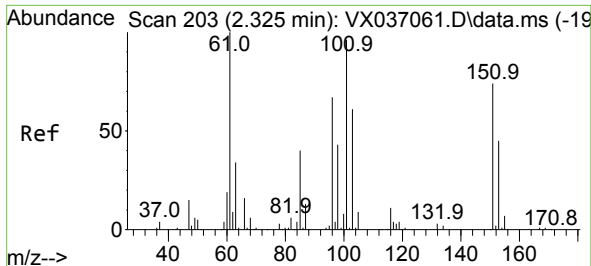
Tgt Ion: 94 Resp: 253
Ion Ratio Lower Upper
94 100
96 47.7 74.6 111.8#



#6
Chloroethane
Concen: 0.322 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.031 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

Tgt Ion: 64 Resp: 239
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

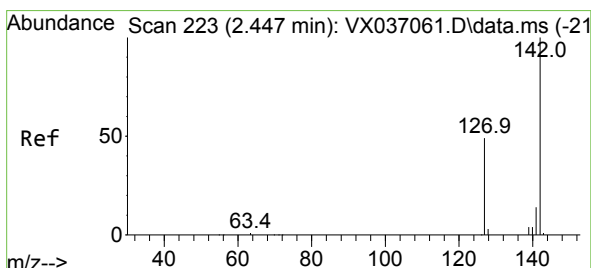
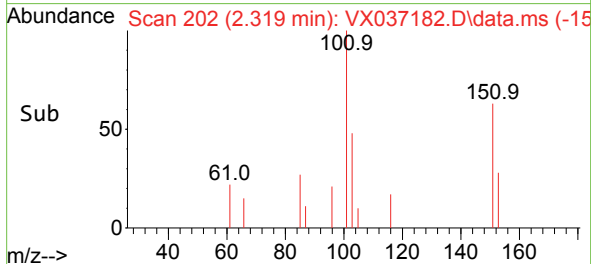
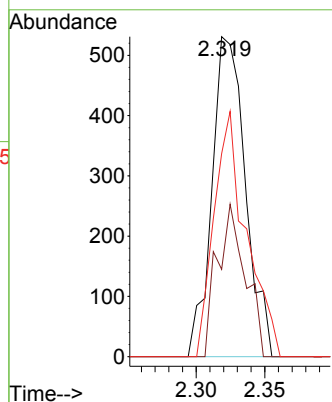
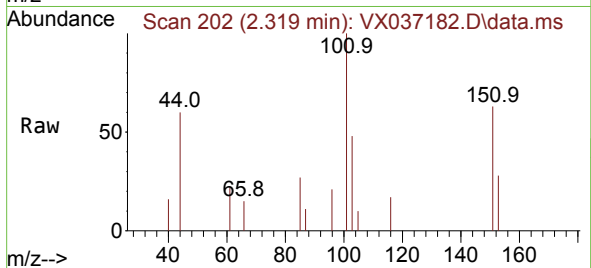




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.749 ug/l
RT: 2.319 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

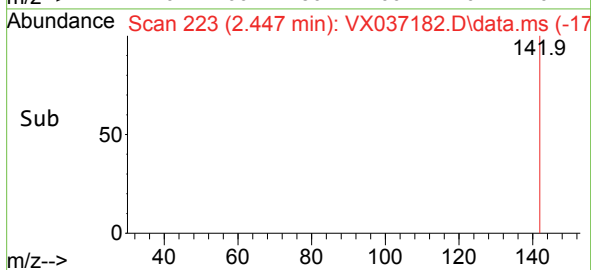
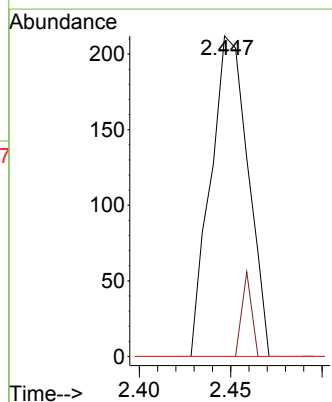
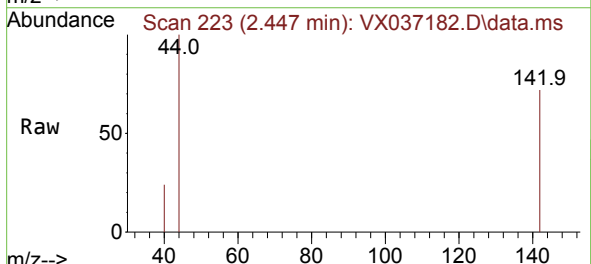
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20230814RE

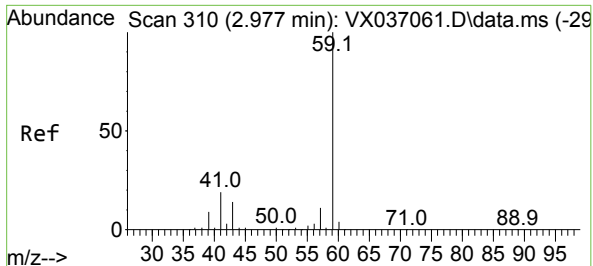
Tgt Ion:101 Resp: 903
Ion Ratio Lower Upper
101 100
85 39.9 37.0 55.6
151 73.8 58.6 87.8



#10
Methyl Iodide
Concen: 0.206 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

Tgt Ion:142 Resp: 302
Ion Ratio Lower Upper
142 100
127 6.6 41.6 62.4#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 0.734 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.024 min

Lab File: VX037182.D

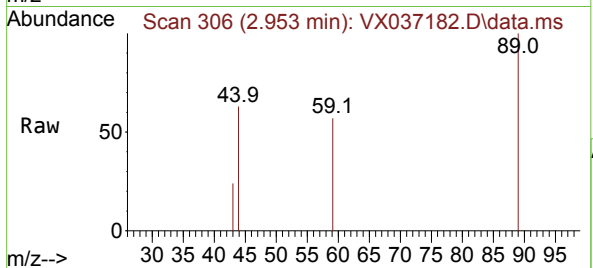
Acq: 23 Aug 2023 14:41

Instrument :

MSVOA_X

ClientSampleId :

RE104D1-20230814RE

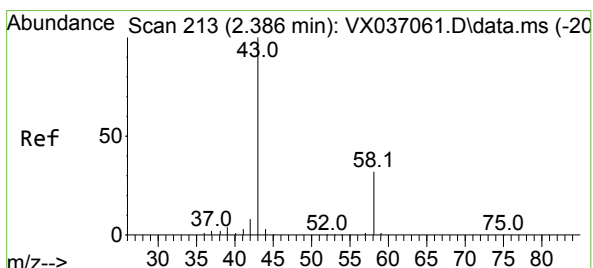
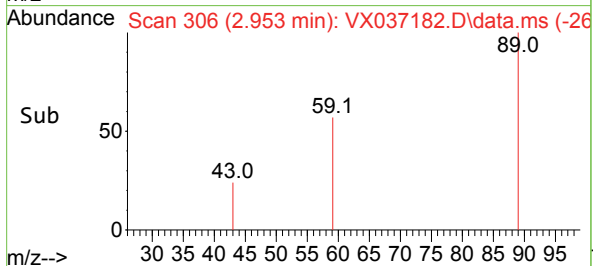
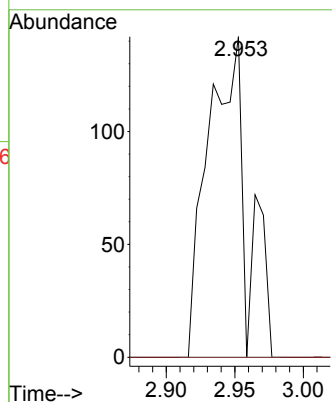


Tgt Ion: 59 Resp: 283

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 2.738 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX037182.D

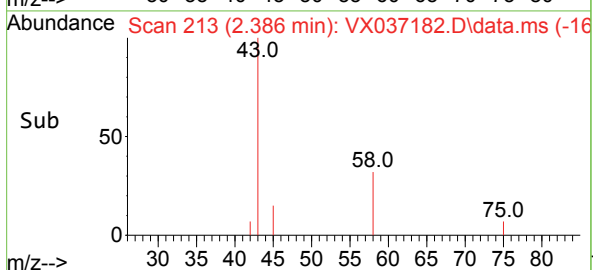
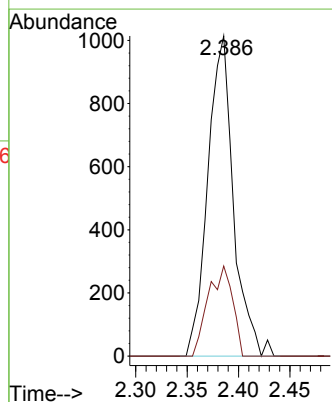
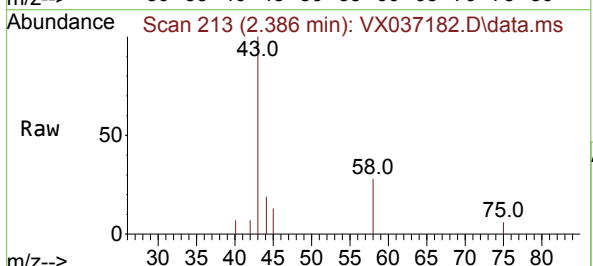
Acq: 23 Aug 2023 14:41

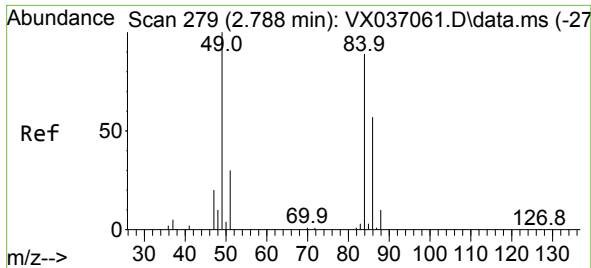
Tgt Ion: 43 Resp: 1761

Ion Ratio Lower Upper

43 100

58 28.1 21.9 32.9

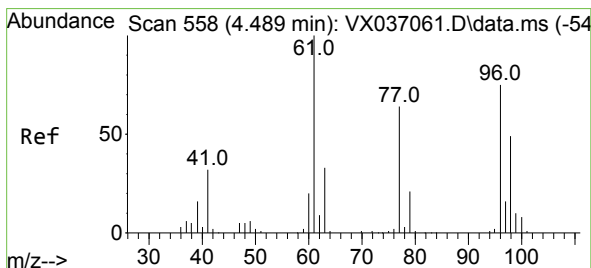
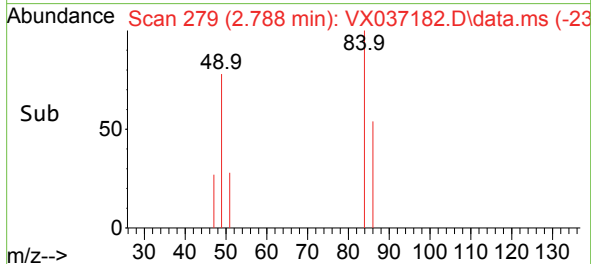
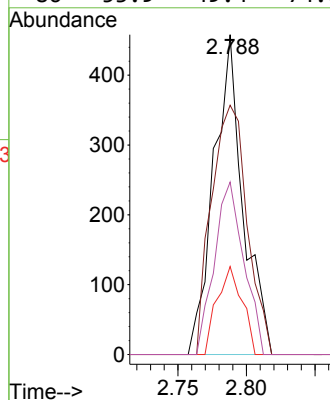
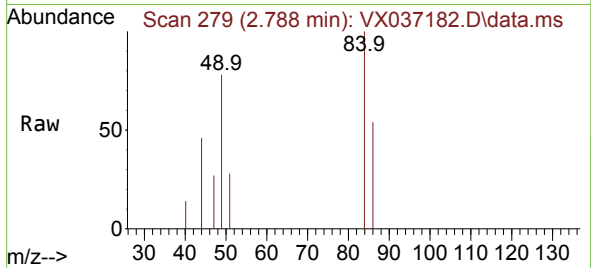




#20
Methylene Chloride
Concen: 0.472 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

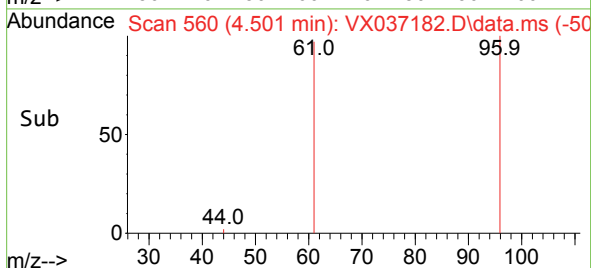
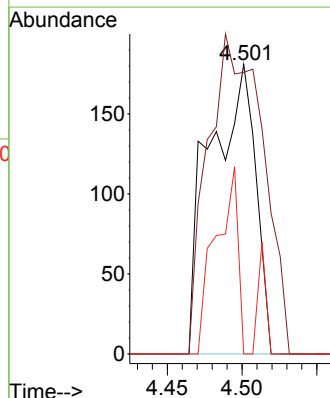
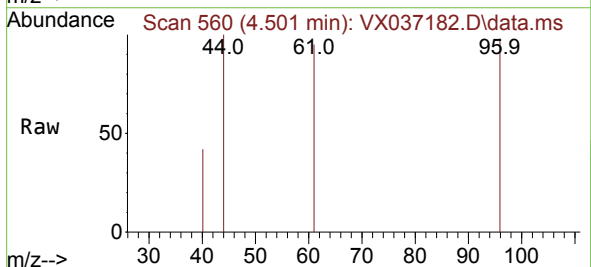
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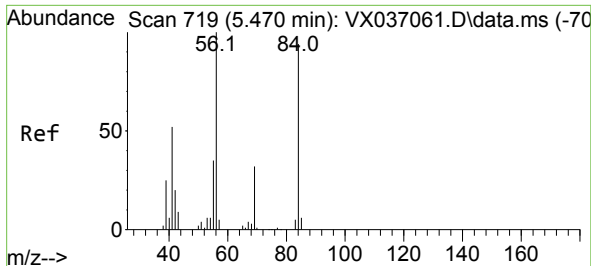
Tgt Ion: 84	Resp: 679
Ion Ratio	Lower Upper
84 100	
49 77.9	103.6 155.4#
51 27.5	33.8 50.6#
86 53.9	49.4 74.0



#27
cis-1,2-Dichloroethene
Concen: 0.244 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.012 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

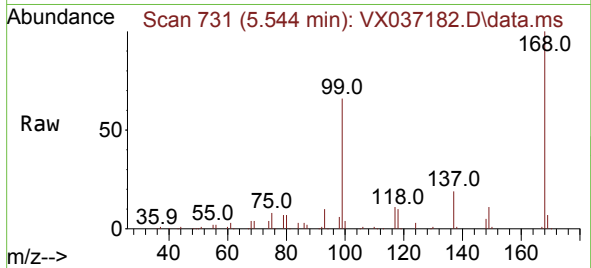
Tgt Ion: 96	Resp:	384	
Ion	Ratio	Lower	Upper
96	100		
61	132.3	0.0	312.2
98	31.5	0.0	129.0





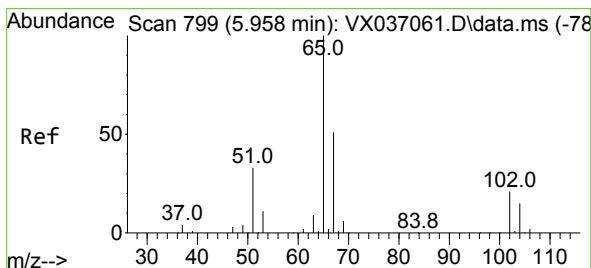
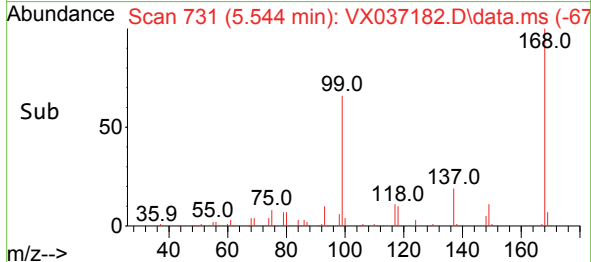
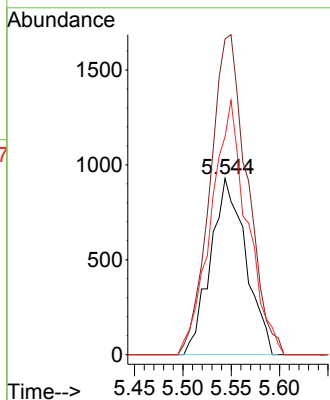
#31
Cyclohexane
Concen: 1.275 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

Instrument :
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Tgt Ion: 56 Resp: 2357

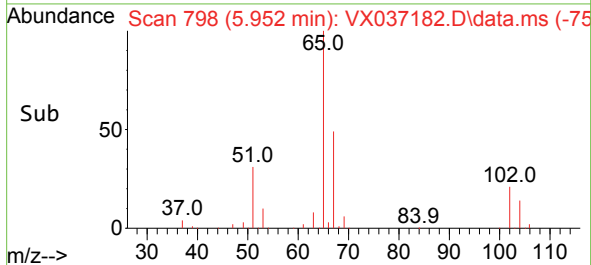
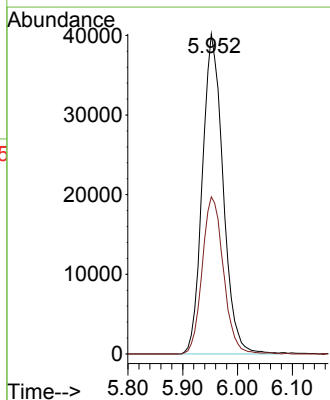
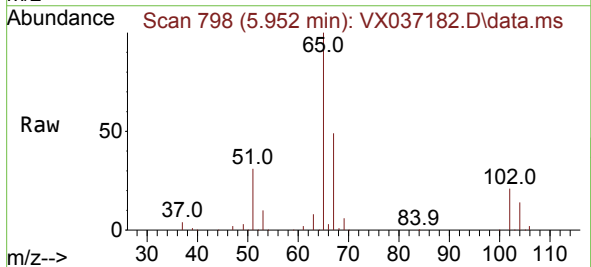
Ion	Ratio	Lower	Upper
56	100		
69	179.3	23.4	35.2#
84	123.8	65.9	98.9#

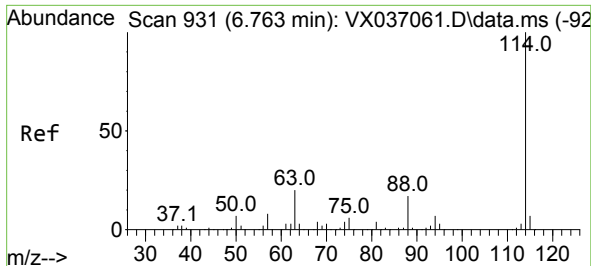


#33
1,2-Dichloroethane-d4
Concen: 64.045 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

Tgt Ion: 65 Resp: 105283

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	100.2

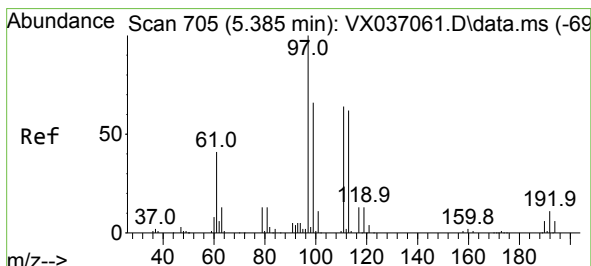
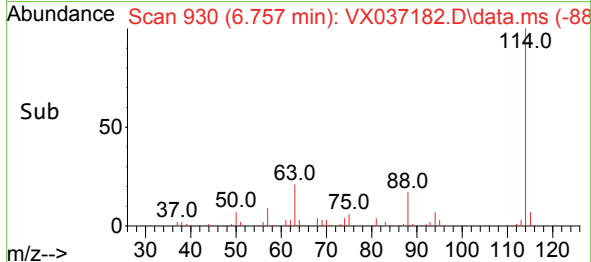
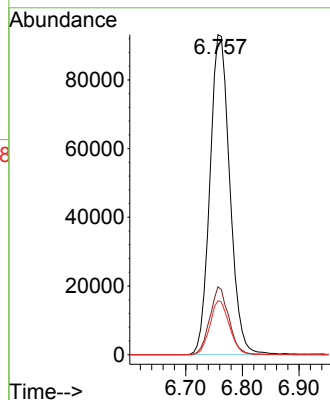
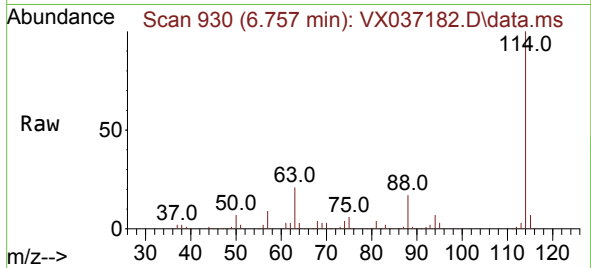




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

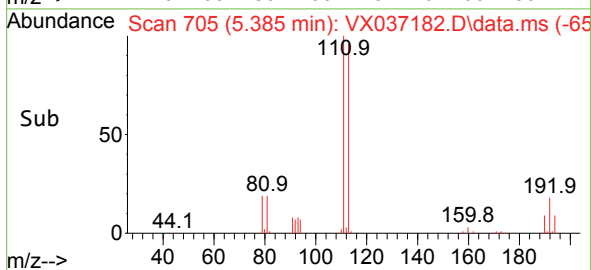
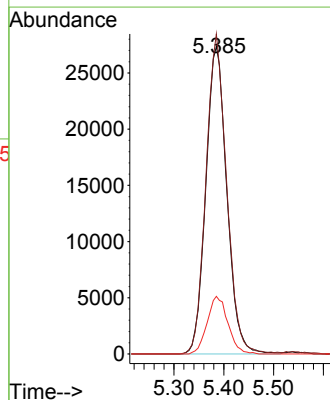
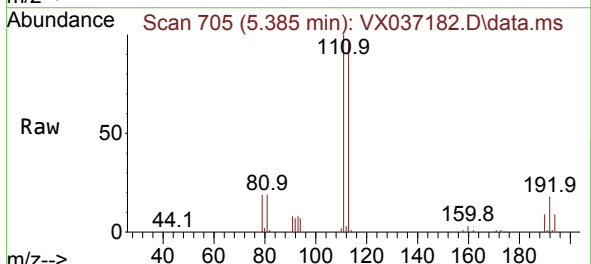
Instrument :
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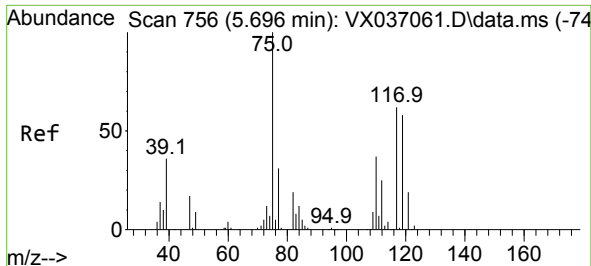
Tgt Ion:114 Resp: 227111
Ion Ratio Lower Upper
114 100
63 21.2 0.0 45.0
88 16.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 53.191 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

Tgt Ion:113 Resp: 80004
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 18.5 13.3 19.9

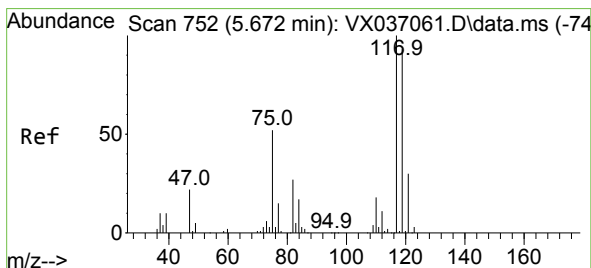
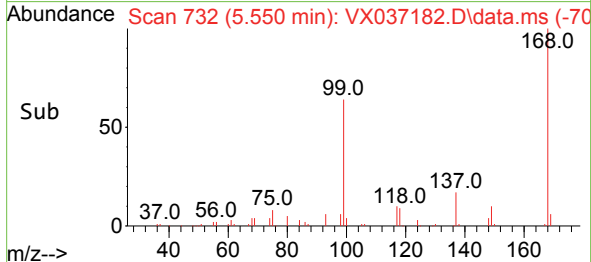
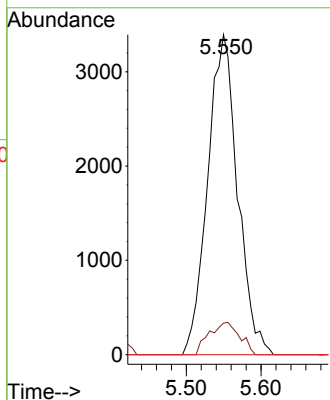
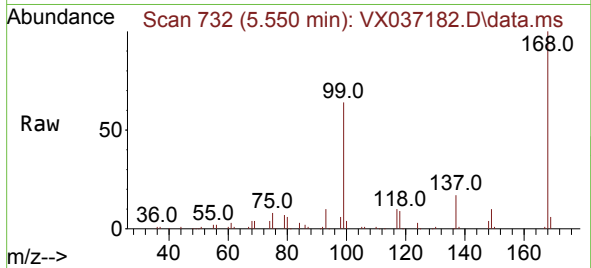




#36
1,1-Dichloropropene
Concen: 4.422 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

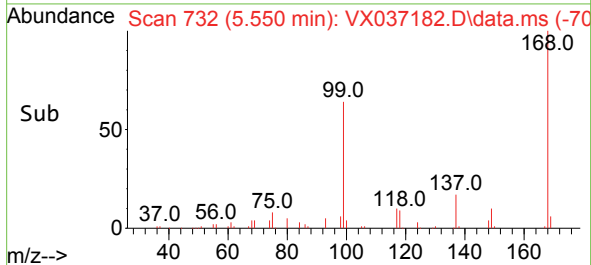
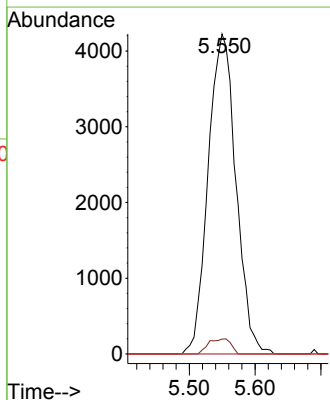
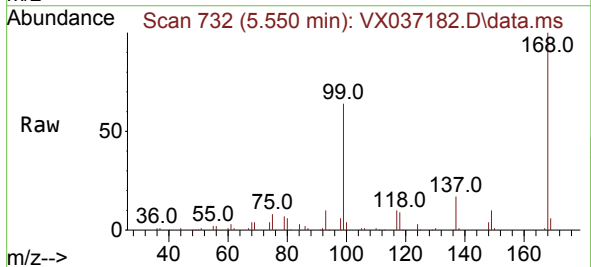
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20230814RE

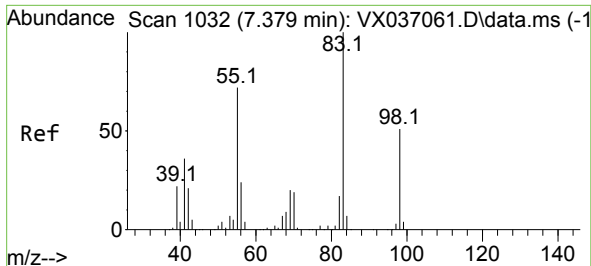
Tgt Ion: 75 Resp: 9450
Ion Ratio Lower Upper
75 100
110 10.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.359 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

Tgt Ion: 117 Resp: 12440
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#

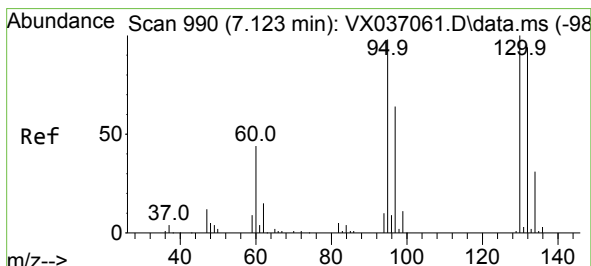
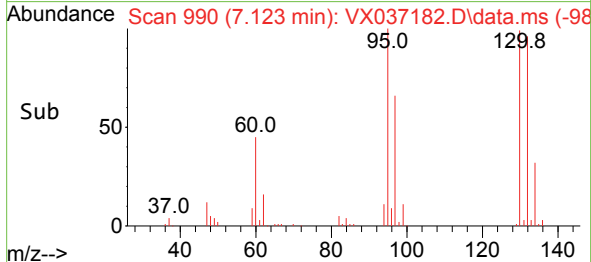
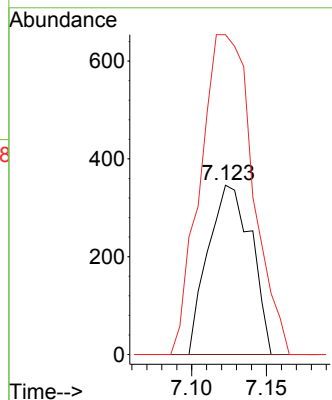
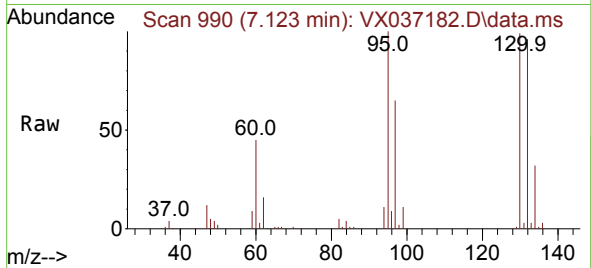




#39
Methylcyclohexane
Concen: 0.310 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

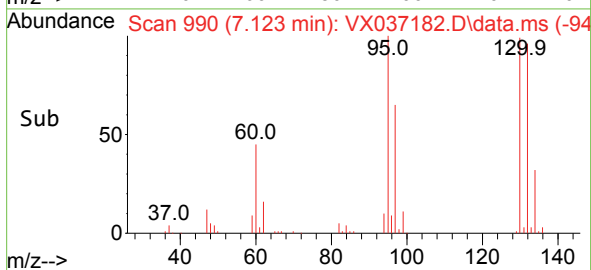
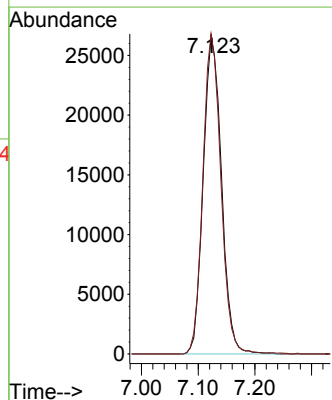
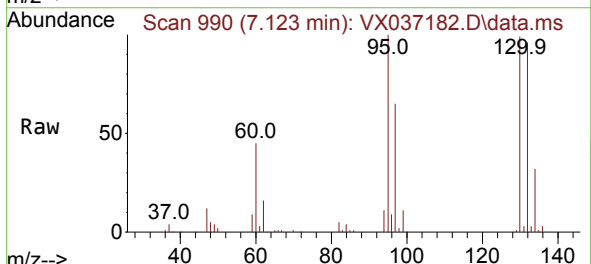
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20230814RE

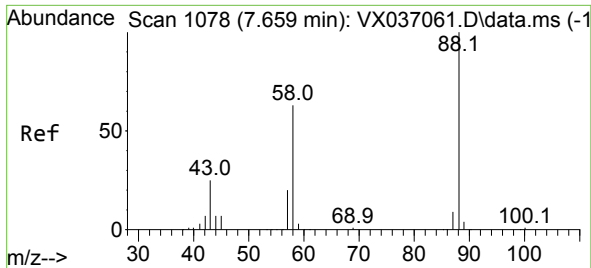
Tgt Ion: 83 Resp: 697
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 172.3 36.7 55.1#



#44
Trichloroethene
Concen: 34.314 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

Tgt Ion:130 Resp: 59632
Ion Ratio Lower Upper
130 100
95 100.6 0.0 204.4

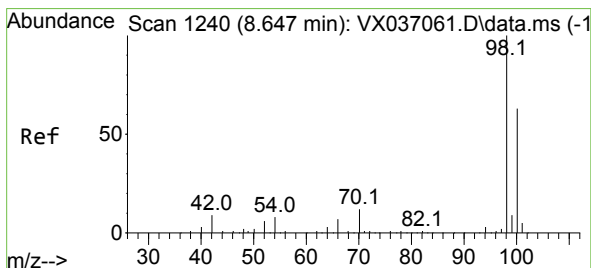
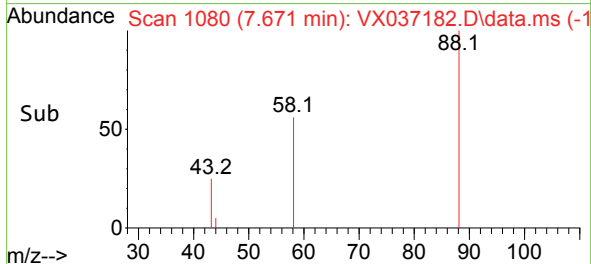
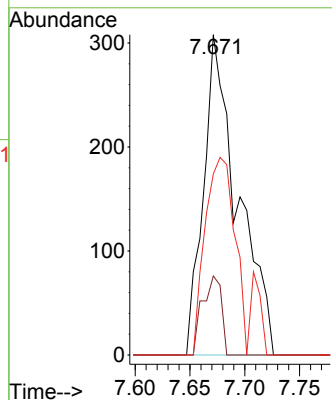
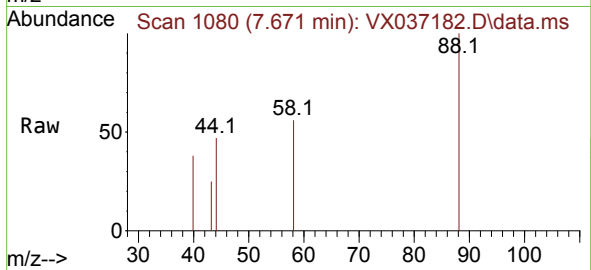




#49
1,4-Dioxane
Concen: 14.720 ug/l
RT: 7.671 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

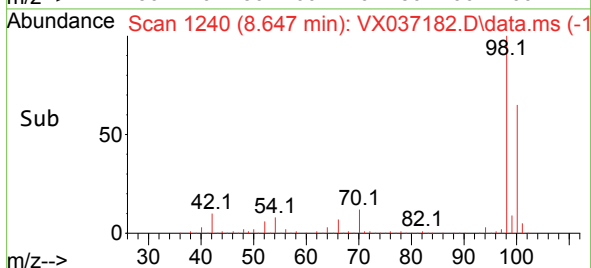
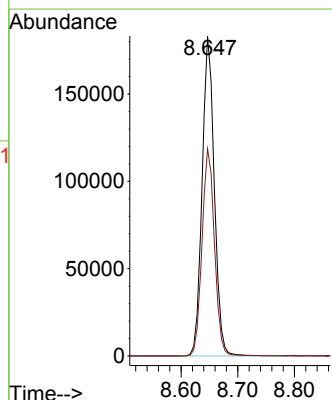
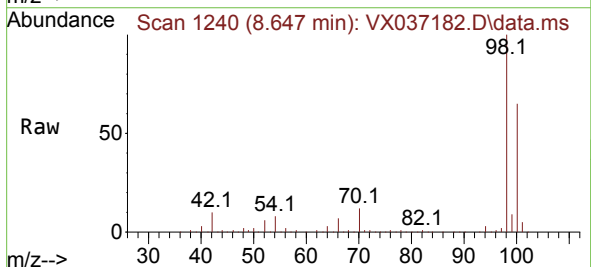
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20230814RE

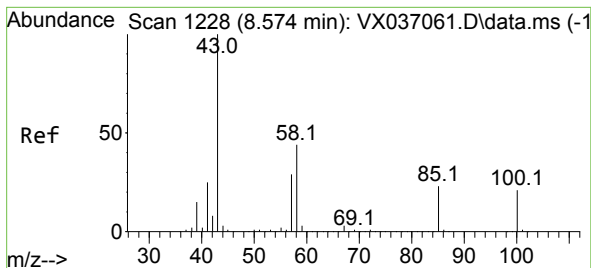
Tgt Ion: 88 Resp: 670
Ion Ratio Lower Upper
88 100
43 13.4 0.0 0.0#
58 53.3 60.1 90.1#



#50
Toluene-d8
Concen: 50.173 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

Tgt Ion: 98 Resp: 273739
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7

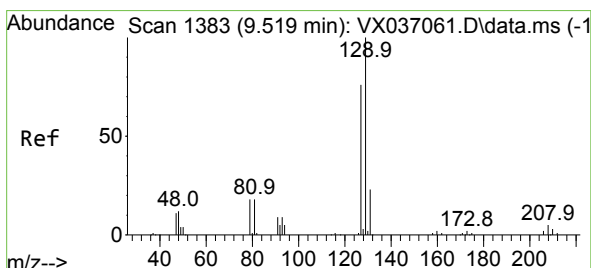
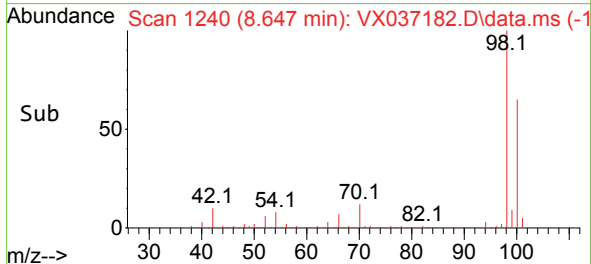
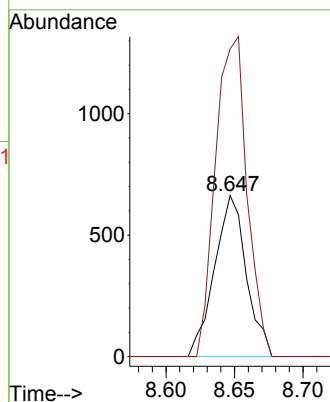
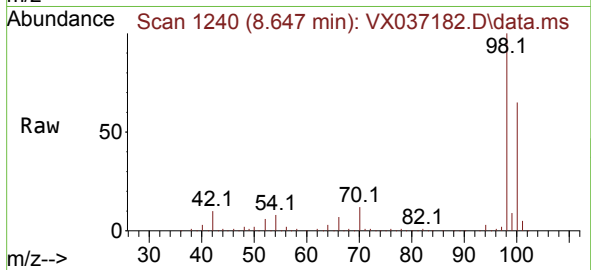




#51
4-Methyl-2-Pentanone
Concen: 0.509 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

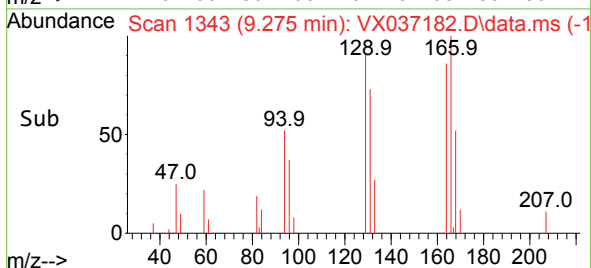
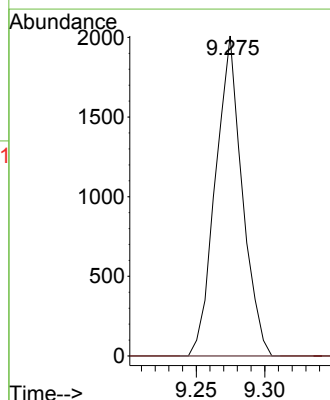
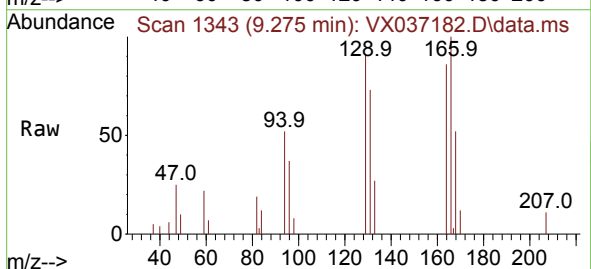
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20230814RE

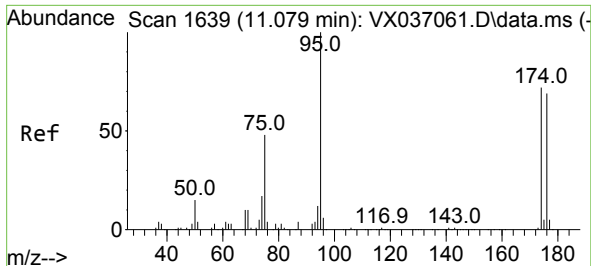
Tgt Ion: 43 Resp: 1071
Ion Ratio Lower Upper
43 100
58 197.0 30.4 45.6#



#60
Dibromochloromethane
Concen: 1.554 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

Tgt Ion: 129 Resp: 2728
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

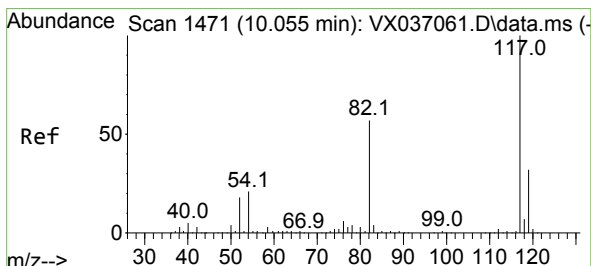
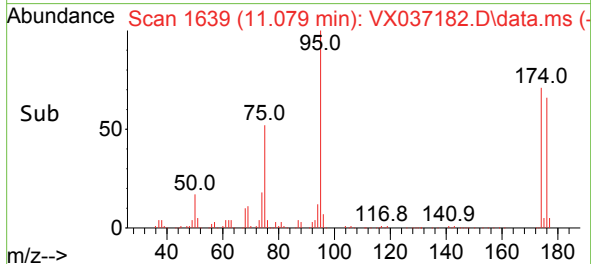
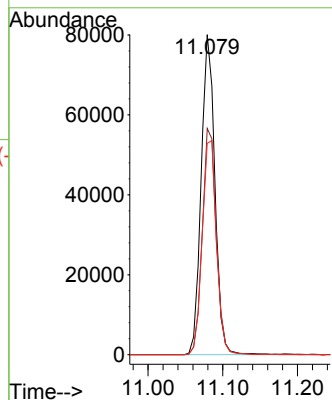
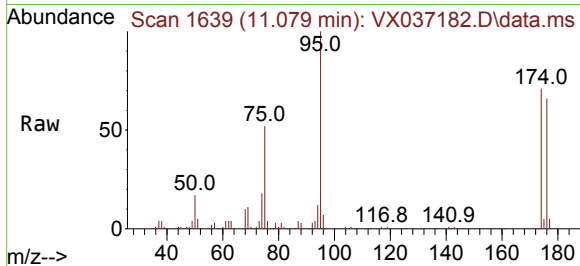




#62
4-Bromofluorobenzene
Concen: 47.488 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

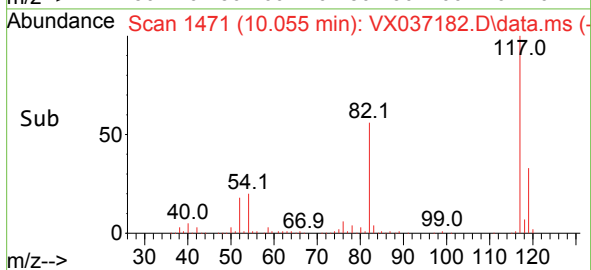
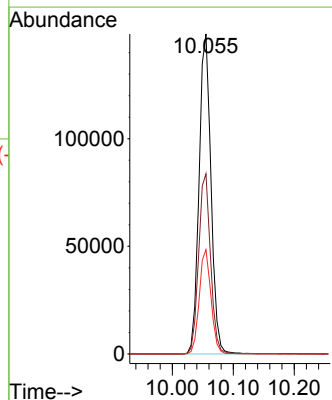
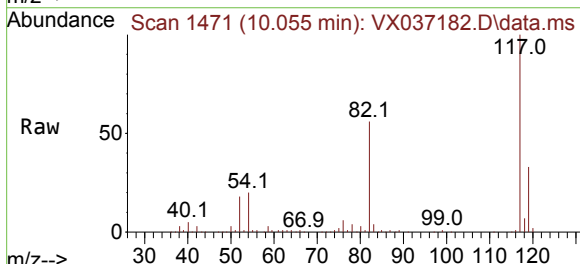
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20230814RE

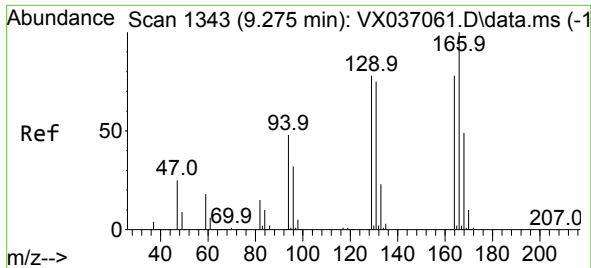
Tgt Ion: 95 Resp: 101819
Ion Ratio Lower Upper
95 100
174 72.2 0.0 135.6
176 69.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

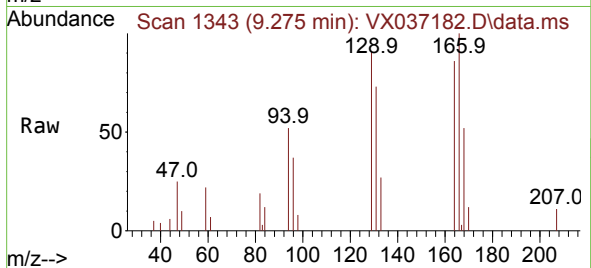
Tgt Ion: 117 Resp: 202128
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 32.6 25.5 38.3





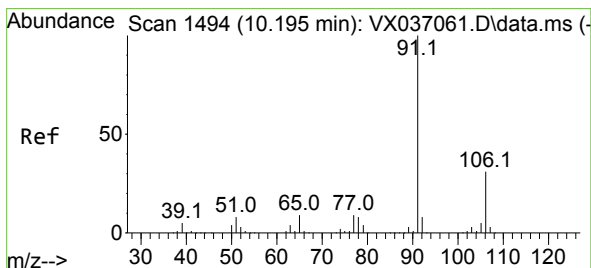
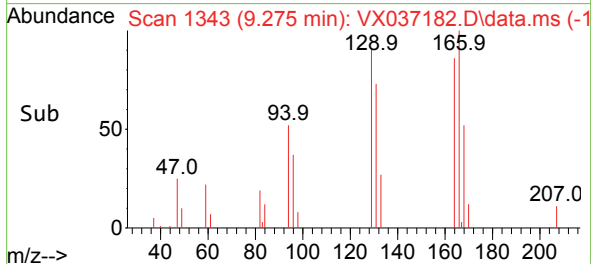
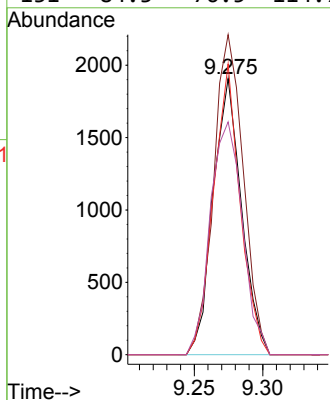
#64
Tetrachloroethene
Concen: 1.871 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20230814RE



Tgt Ion:164 Resp: 2759

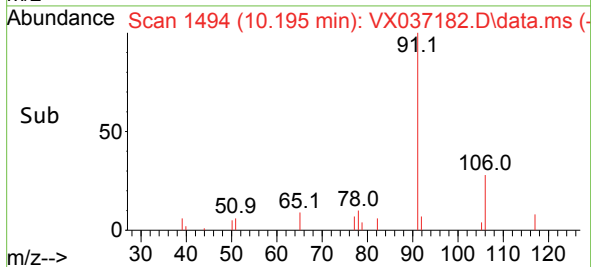
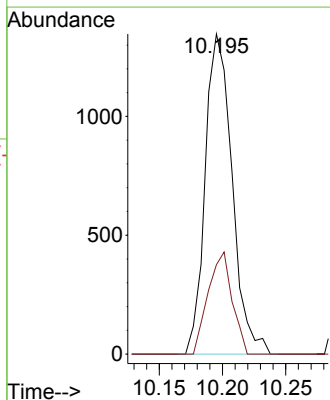
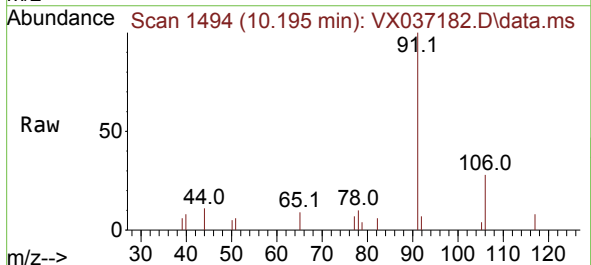
Ion	Ratio	Lower	Upper
164	100		
166	115.9	102.7	154.1
129	105.3	80.4	120.6
131	84.3	76.5	114.7

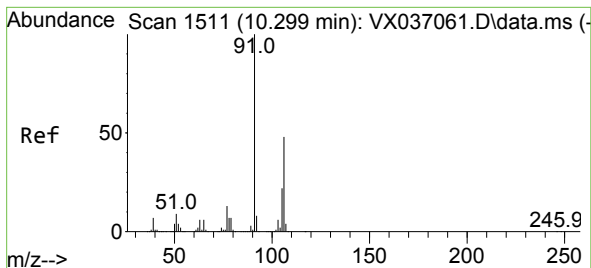


#67
Ethyl Benzene
Concen: 0.265 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

Tgt Ion: 91 Resp: 1992

Ion	Ratio	Lower	Upper
91	100		
106	27.9	24.9	37.3

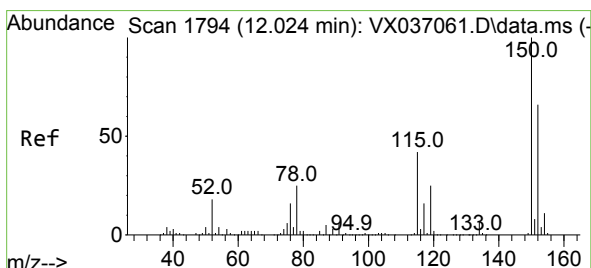
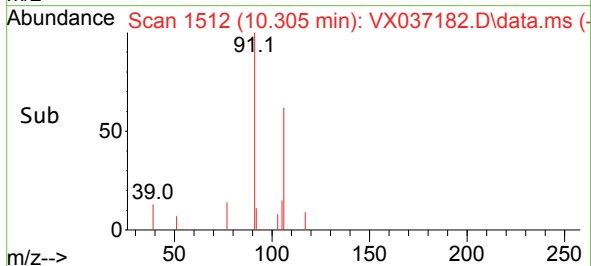
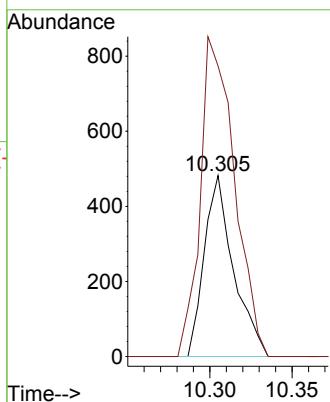
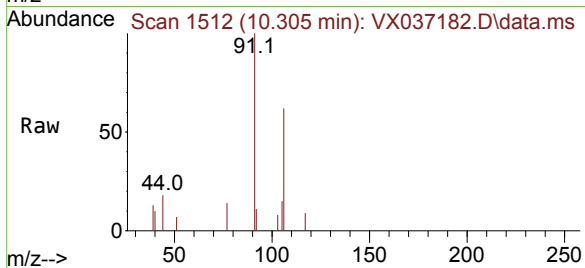




#68
m/p-Xylenes
Concen: 0.205 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

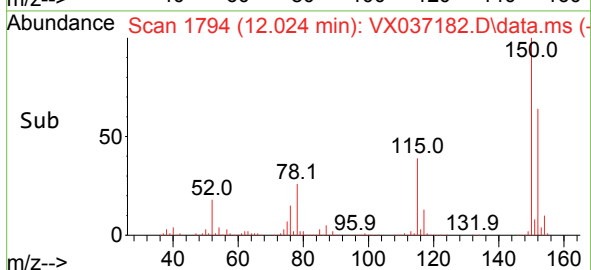
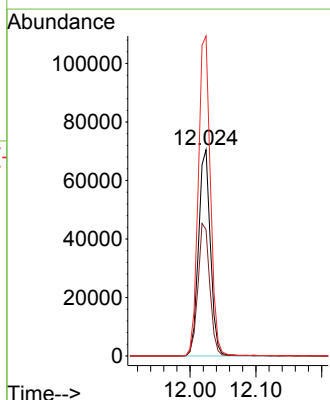
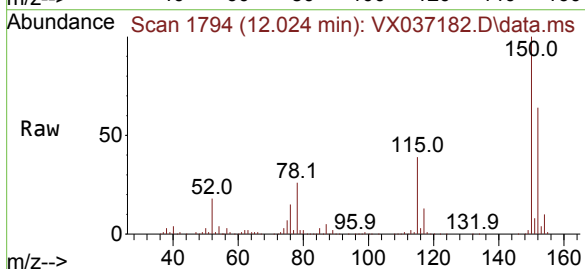
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20230814RE

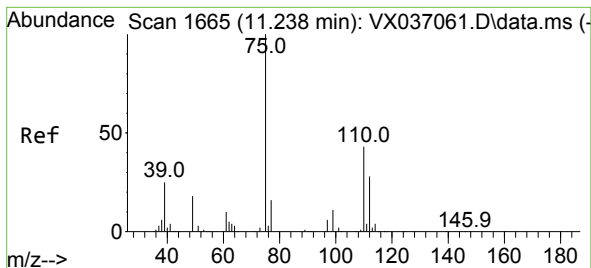
Tgt Ion:106 Resp: 594
Ion Ratio Lower Upper
106 100
91 206.9 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037182.D
Acq: 23 Aug 2023 14:41

Tgt Ion:152 Resp: 88837
Ion Ratio Lower Upper
152 100
115 64.1 43.3 129.9
150 157.9 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 27.409 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037182.D

Acq: 23 Aug 2023 14:41

Instrument :

MSVOA_X

ClientSampleId :

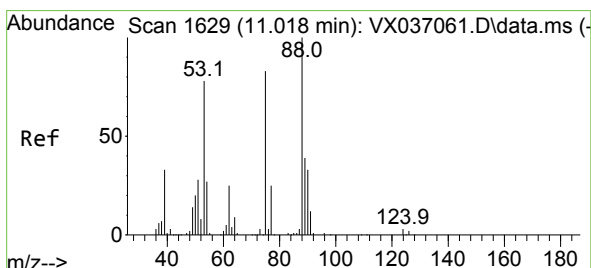
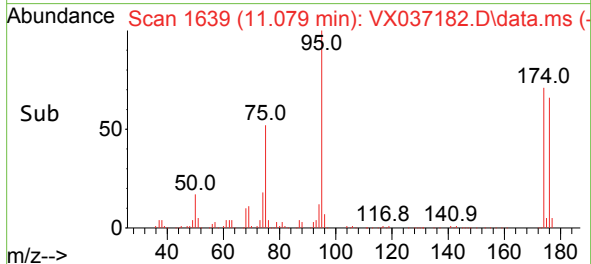
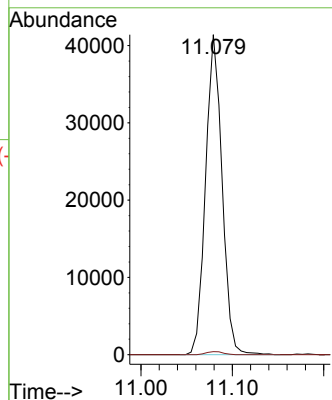
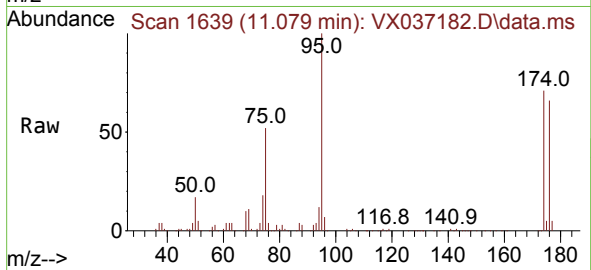
RE104D1-20230814RE

Tgt Ion: 75 Resp: 51857

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.556 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037182.D

Acq: 23 Aug 2023 14:41

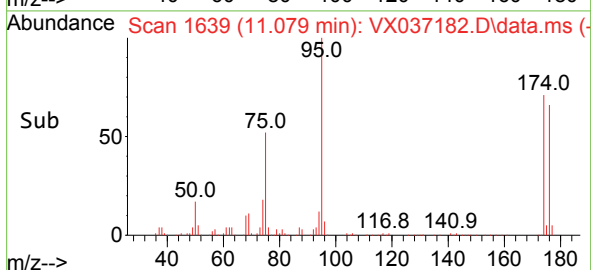
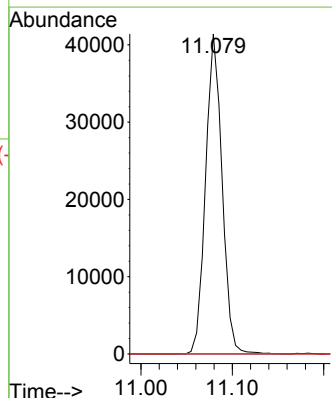
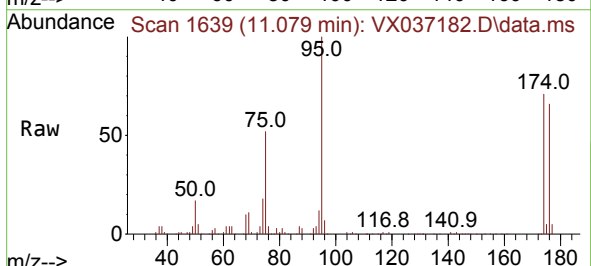
Tgt Ion: 75 Resp: 51857

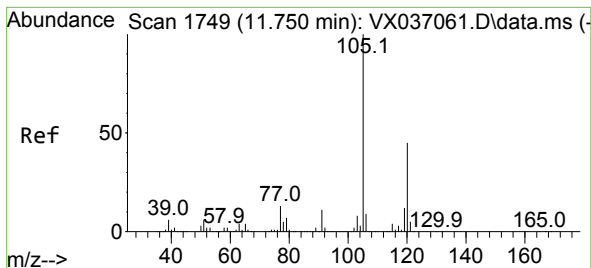
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.251 ug/l

RT: 11.750 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037182.D

Acq: 23 Aug 2023 14:41

Instrument :

MSVOA_X

ClientSampleId :

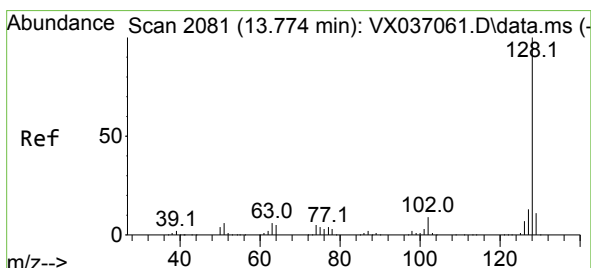
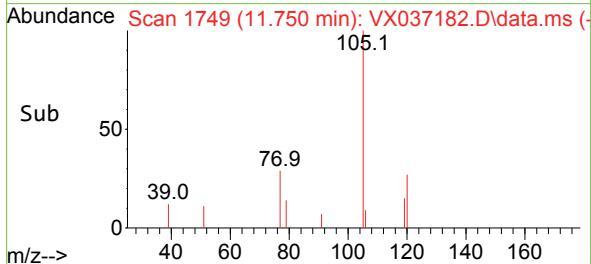
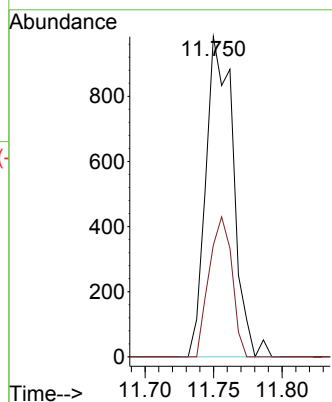
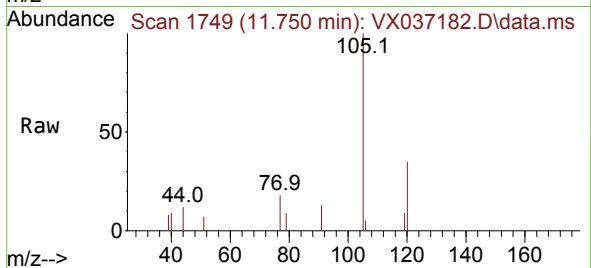
RE104D1-20230814RE

Tgt Ion:105 Resp: 1366

Ion Ratio Lower Upper

105 100

120 36.5 21.2 63.6



#95

Naphthalene

Concen: 5.793 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX037182.D

Acq: 23 Aug 2023 14:41

Tgt Ion:128 Resp: 42930

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 11.1 8.8 13.2

