

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038902.D
 Acq On : 18 Nov 2023 02:25
 Operator : JC/MD
 Sample : 05404-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20231109

Quant Time: Nov 18 05:06:00 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)

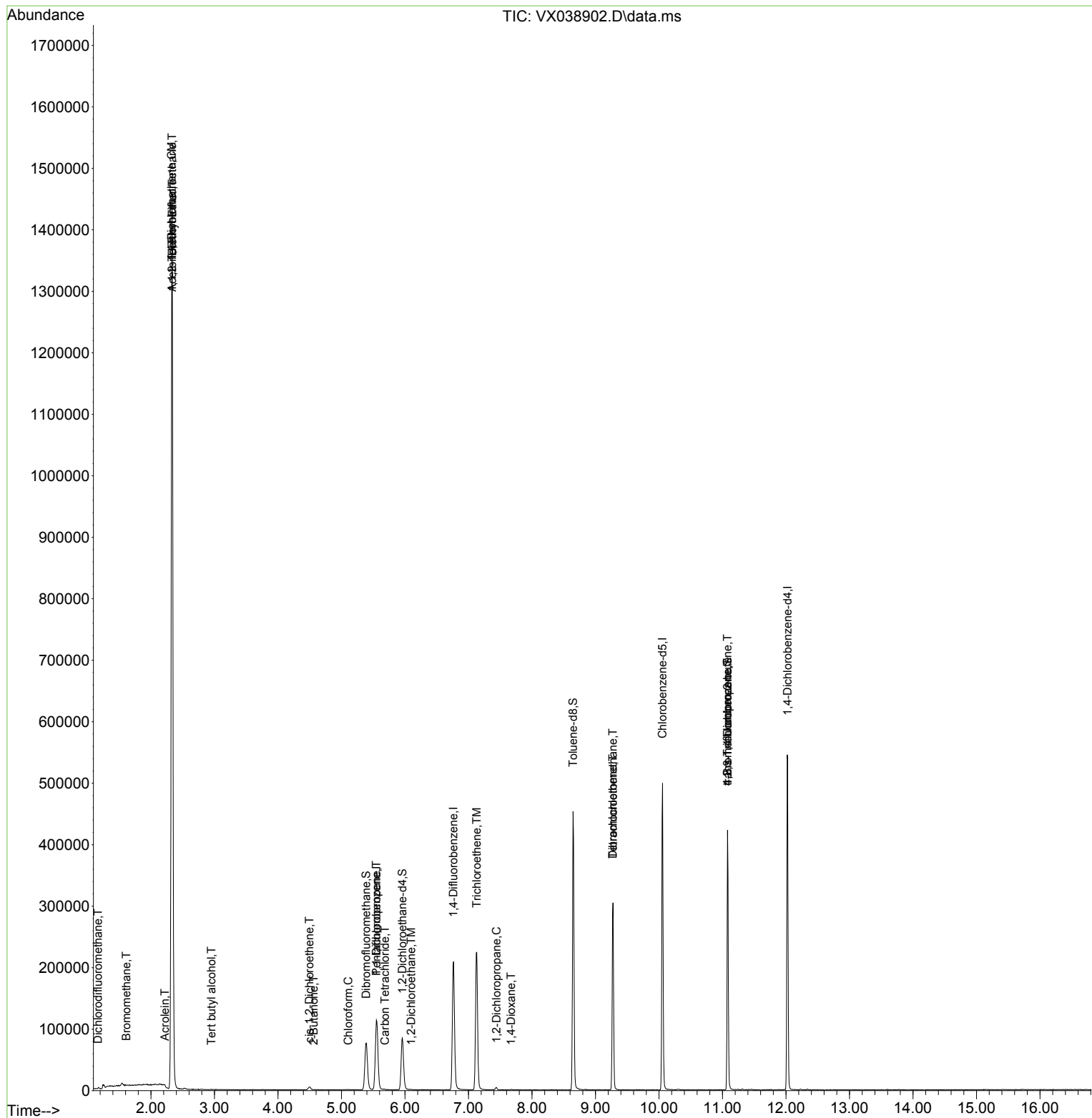
Internal Standards						
1) Pentafluorobenzene	5.550	168	104494	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	212314	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	80406	47.754	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.500%
35) Dibromofluoromethane	5.385	113	68590	44.731	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.460%
50) Toluene-d8	8.647	98	271179	46.223	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.440%
62) 4-Bromofluorobenzene	11.079	95	115386	49.131	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	620	0.509	ug/l	76
5) Bromomethane	1.612	94	153	0.241	ug/l #	3
8) Diethyl Ether	2.337	74	465	0.549	ug/l	56
9) 1,1,2-Trichlorotrifluo...	2.331	101	579418	449.155	ug/l	97
11) Tert butyl alcohol	2.953	59	189	0.404	ug/l #	43
12) 1,1-Dichloroethene	2.325	96	3933	3.020	ug/l #	71
13) Acrolein	2.221	56	210	0.848	ug/l #	1
16) Acetone	2.331	43	7354	8.205	ug/l #	83
25) 2-Butanone	4.562	43	387	0.266	ug/l #	51
27) cis-1,2-Dichloroethene	4.495	96	3040	1.815	ug/l	88
30) Chloroform	5.105	83	806	0.309	ug/l	94
36) 1,1-Dichloropropene	5.550	75	9259	4.213	ug/l #	47
38) Carbon Tetrachloride	5.684	117	602	0.296	ug/l #	45
42) 1,2-Dichloroethane	6.099	62	517	0.240	ug/l #	77
44) Trichloroethene	7.129	130	85216	53.860	ug/l	97
45) 1,2-Dichloropropane	7.440	63	1742	0.996	ug/l #	87
49) 1,4-Dioxane	7.671	88	423	9.848	ug/l #	85
60) Dibromochloromethane	9.275	129	55769	32.588	ug/l #	11
64) Tetrachloroethene	9.275	164	53034	39.358	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	58609	21.626	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	58609	47.969	ug/l #	5

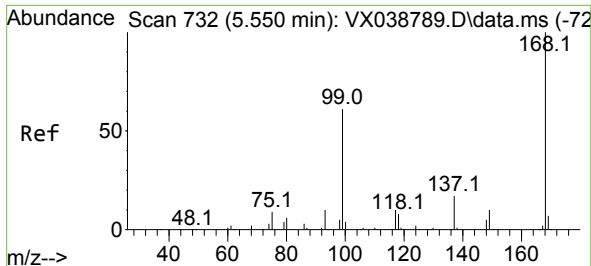
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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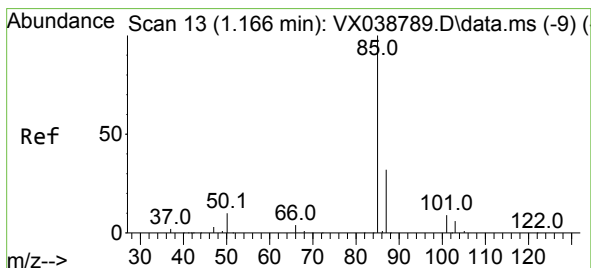
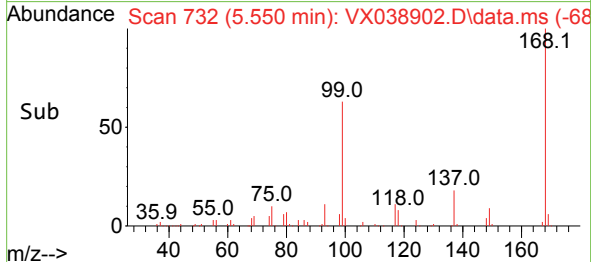
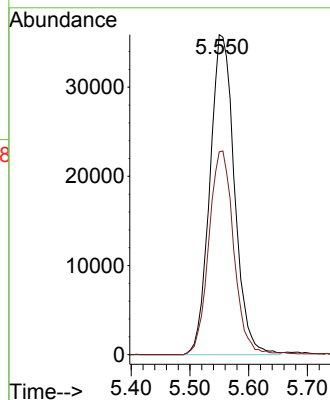
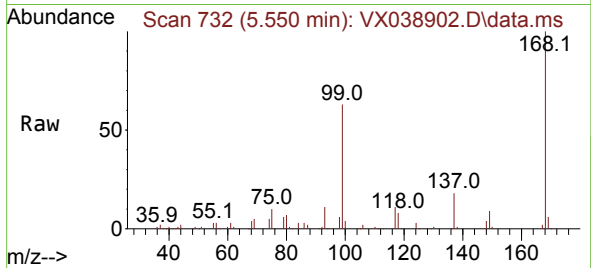




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

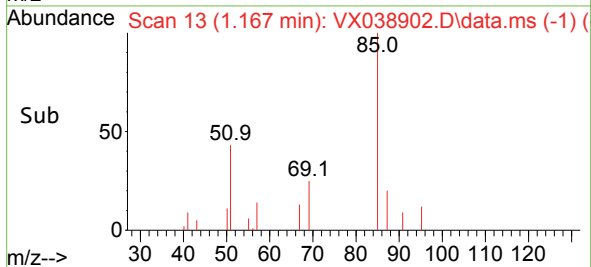
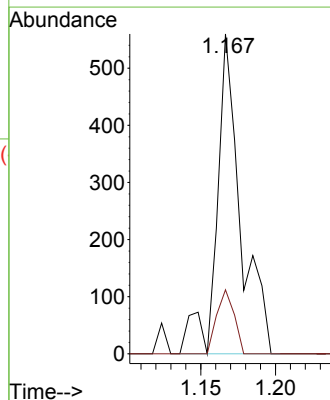
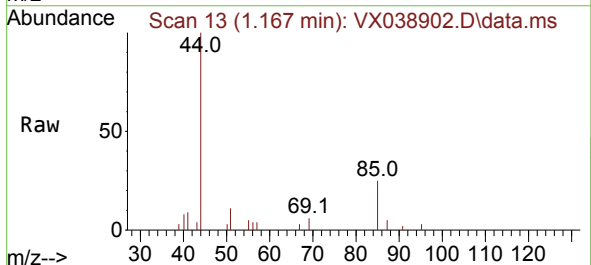
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20231109

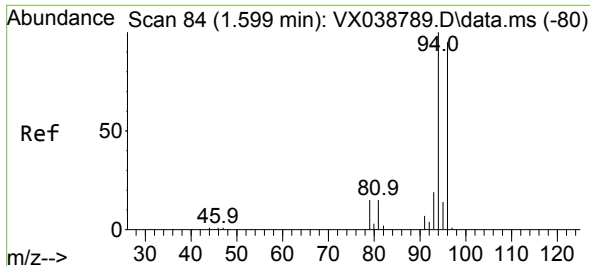
Tgt Ion:168 Resp: 104494
Ion Ratio Lower Upper
168 100
99 63.4 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.509 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.001 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

Tgt Ion: 85 Resp: 620
Ion Ratio Lower Upper
85 100
87 20.0 16.7 50.1

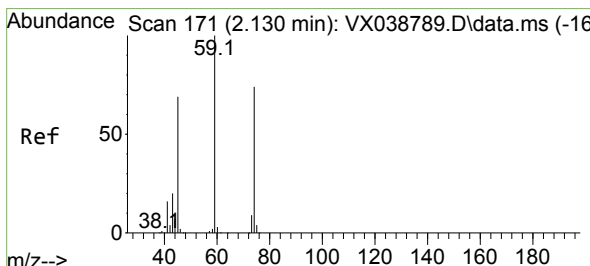
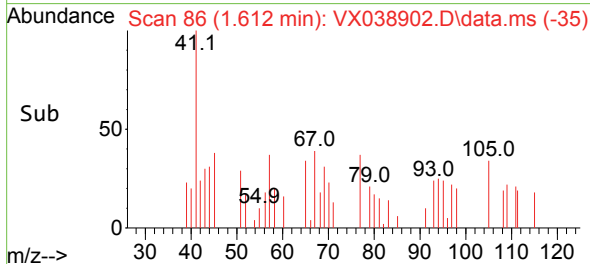
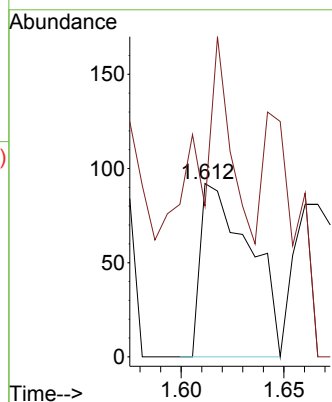
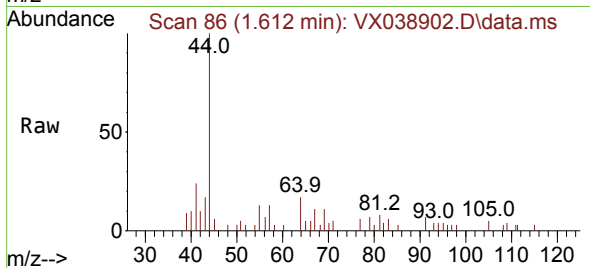




#5
Bromomethane
Concen: 0.241 ug/l
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

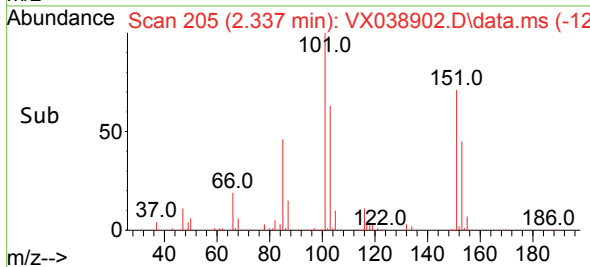
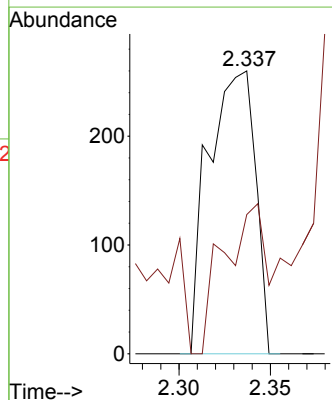
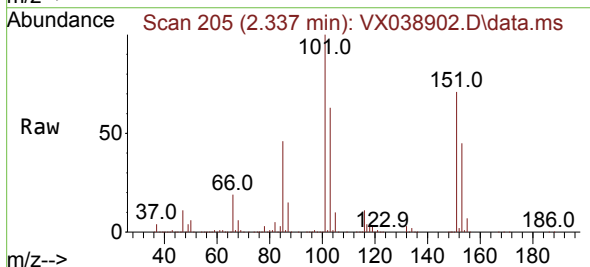
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20231109

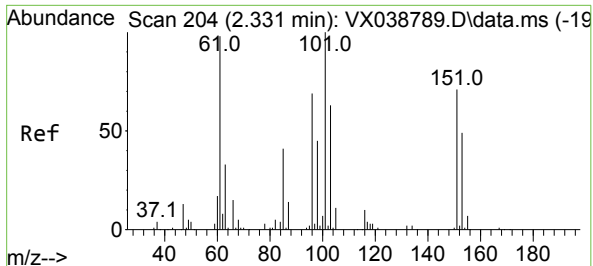
Tgt Ion: 94 Resp: 153
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#8
Diethyl Ether
Concen: 0.549 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.207 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

Tgt Ion: 74 Resp: 465
Ion Ratio Lower Upper
74 100
45 60.9 53.3 159.8

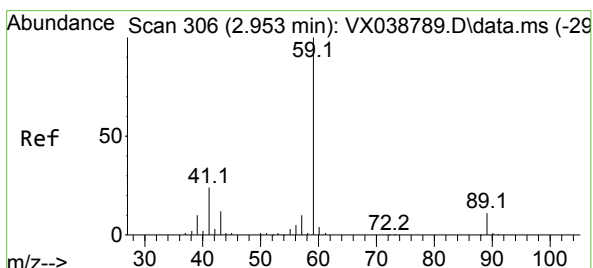
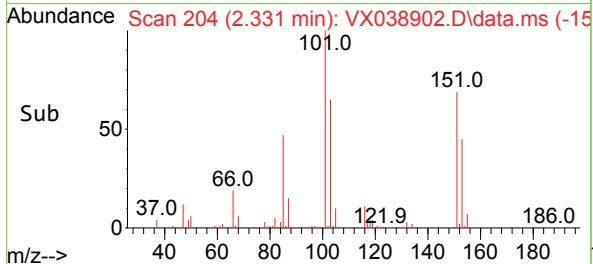
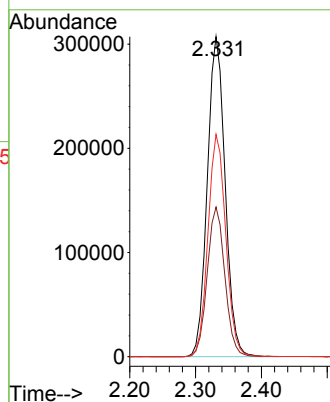
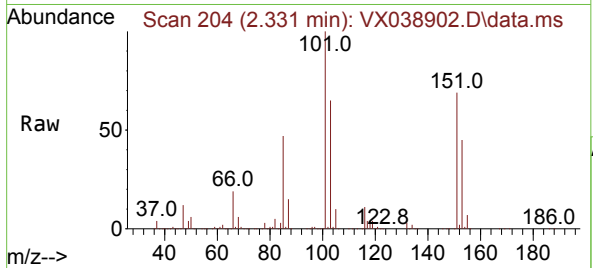




#9
1,1,2-Trichlorotrifluoroethane
Concen: 449.155 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

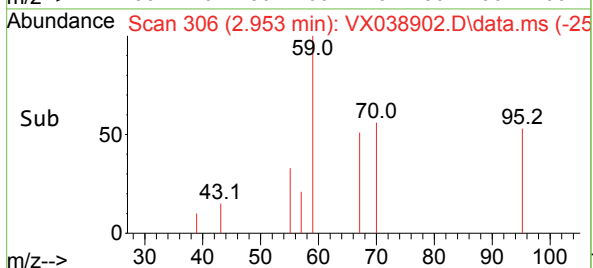
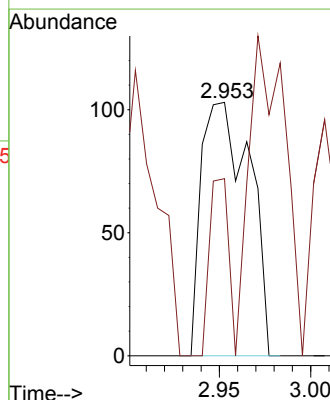
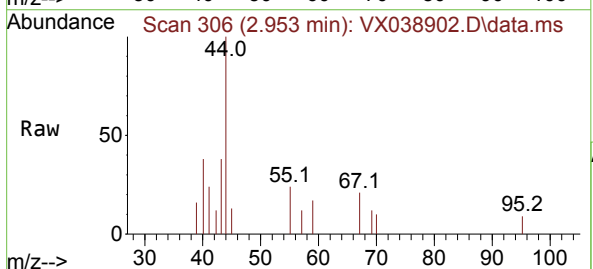
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20231109

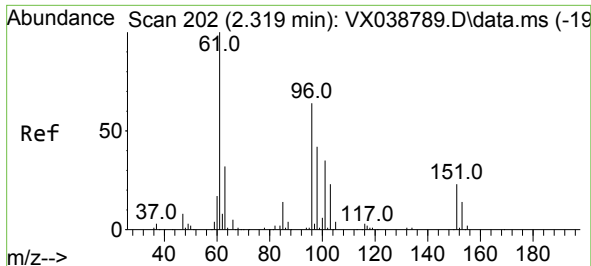
Tgt Ion:101 Resp: 579418
Ion Ratio Lower Upper
101 100
85 46.3 37.0 55.6
151 69.6 58.6 87.8



#11
Tert butyl alcohol
Concen: 0.404 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

Tgt Ion: 59 Resp: 189
Ion Ratio Lower Upper
59 100
57 27.5 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 3.020 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX038902.D

Acq: 18 Nov 2023 02:25

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20231109

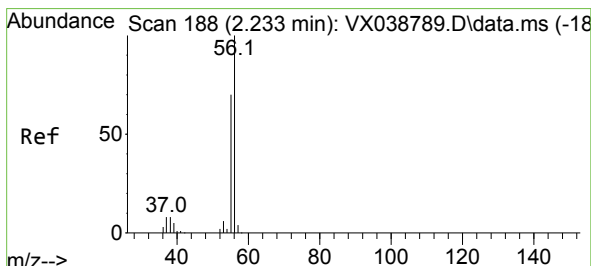
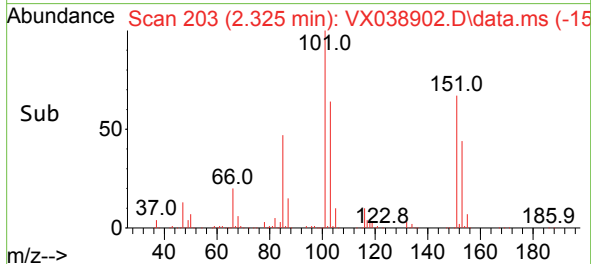
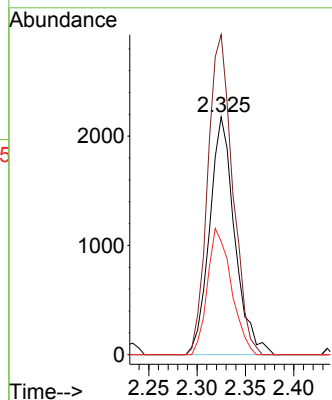
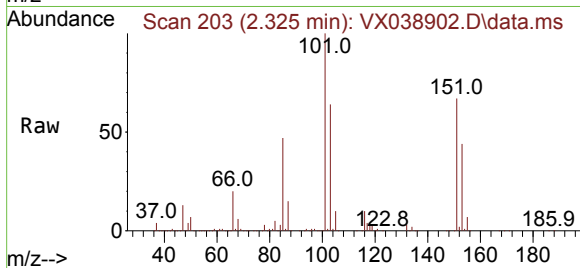
Tgt Ion: 96 Resp: 3933

Ion Ratio Lower Upper

96 100

61 134.6 144.6 216.8#

98 47.6 50.4 75.6#



#13

Acrolein

Concen: 0.848 ug/l

RT: 2.221 min Scan# 186

Delta R.T. -0.012 min

Lab File: VX038902.D

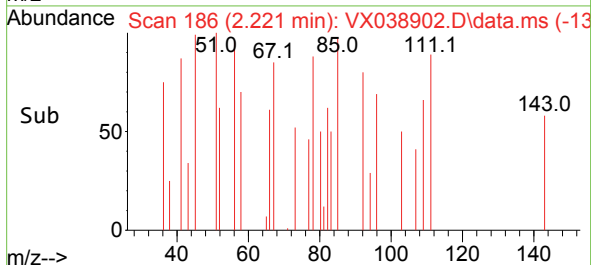
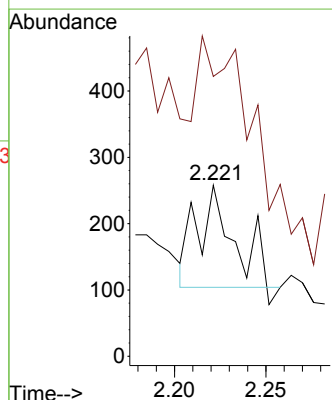
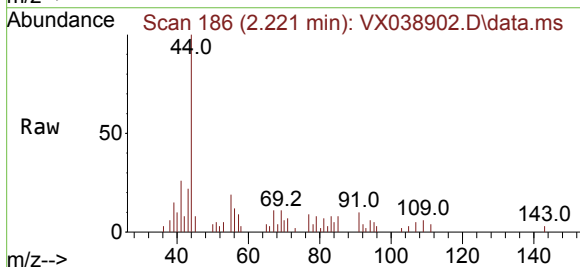
Acq: 18 Nov 2023 02:25

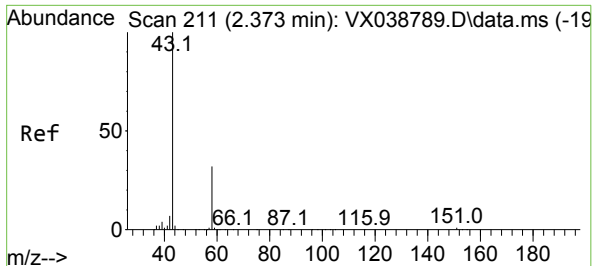
Tgt Ion: 56 Resp: 210

Ion Ratio Lower Upper

56 100

55 348.1 57.1 85.7#

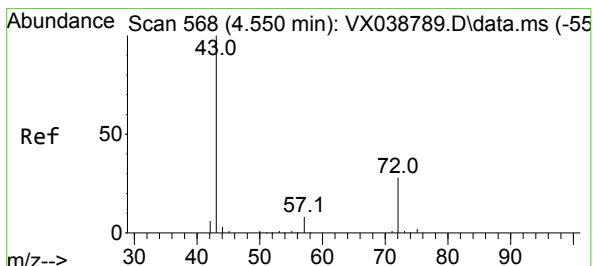
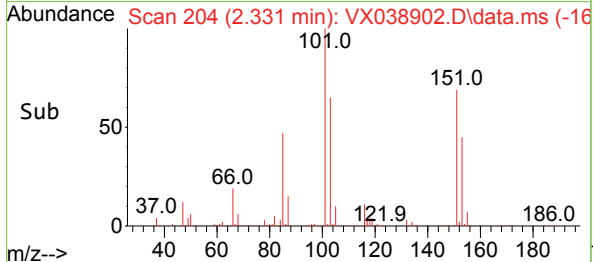
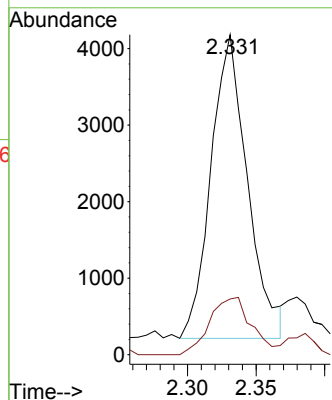
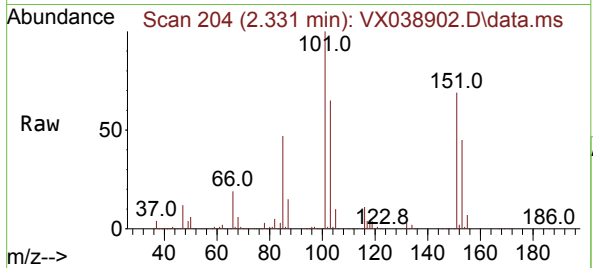




#16
Acetone
Concen: 8.205 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.042 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

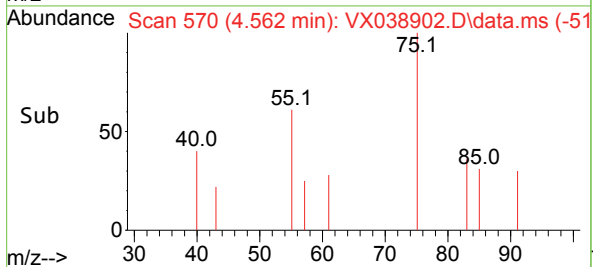
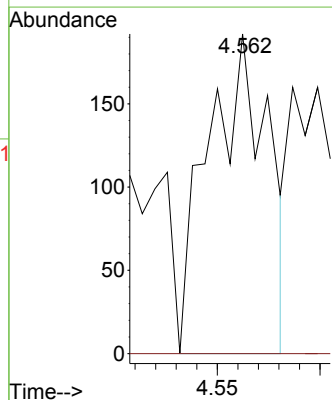
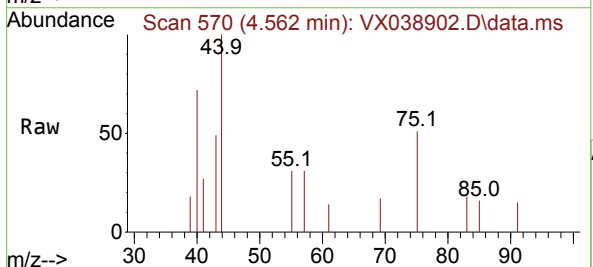
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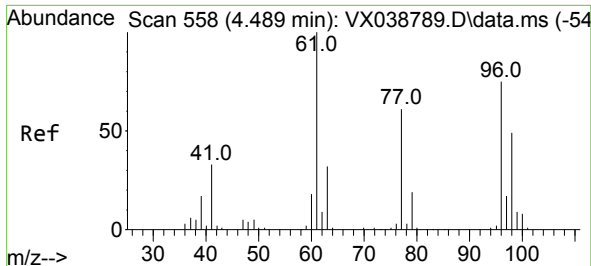
Tgt Ion: 43 Resp: 7354
Ion Ratio Lower Upper
43 100
58 18.3 21.9 32.9#



#25
2-Butanone
Concen: 0.266 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.012 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

Tgt Ion: 43 Resp: 387
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 1.815 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX038902.D

Acq: 18 Nov 2023 02:25

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20231109

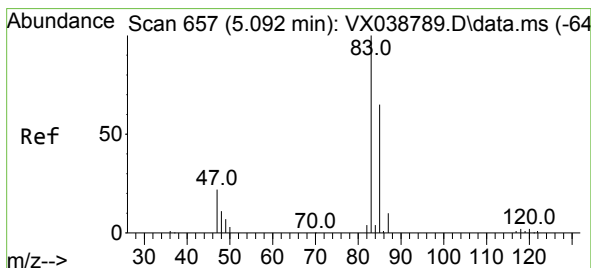
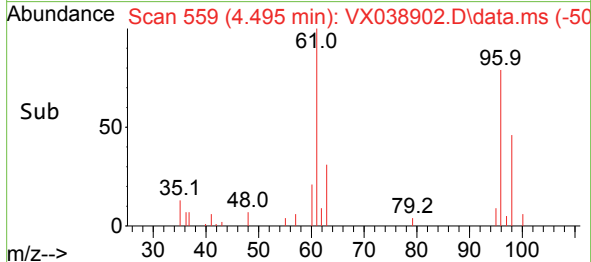
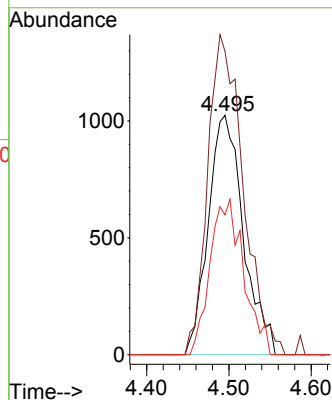
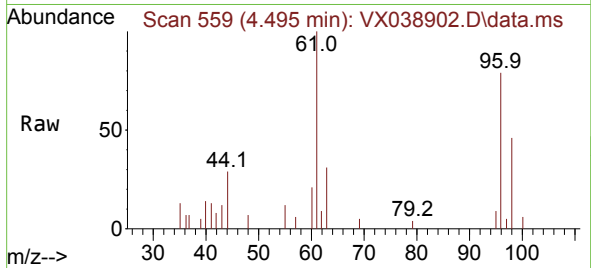
Tgt Ion: 96 Resp: 3040

Ion Ratio Lower Upper

96 100

61 135.0 0.0 312.2

98 62.0 0.0 129.0



#30

Chloroform

Concen: 0.309 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.012 min

Lab File: VX038902.D

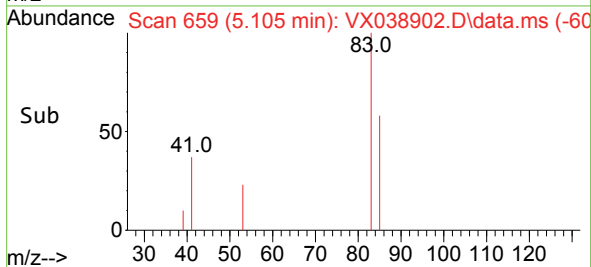
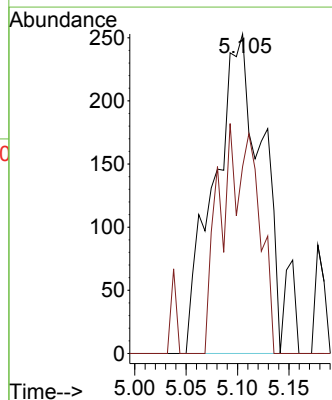
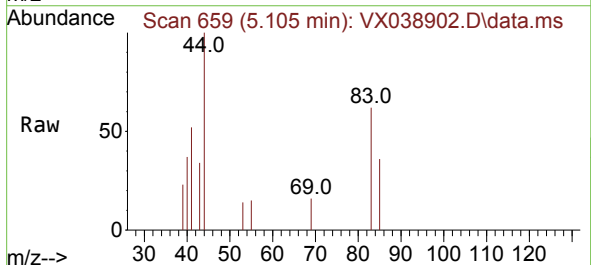
Acq: 18 Nov 2023 02:25

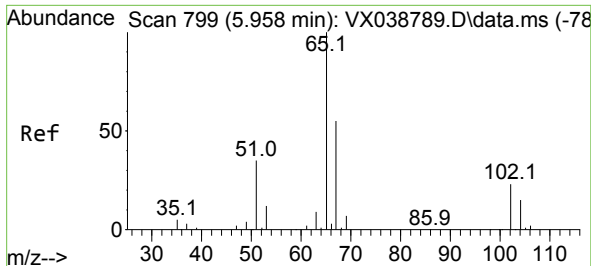
Tgt Ion: 83 Resp: 806

Ion Ratio Lower Upper

83 100

85 58.5 50.3 75.5





#33

1,2-Dichloroethane-d4

Concen: 47.754 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038902.D

Acq: 18 Nov 2023 02:25

Instrument :

MSVOA_X

ClientSampleId :

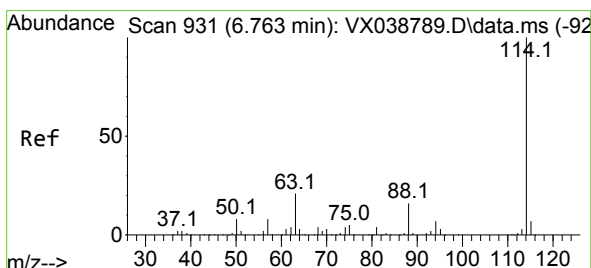
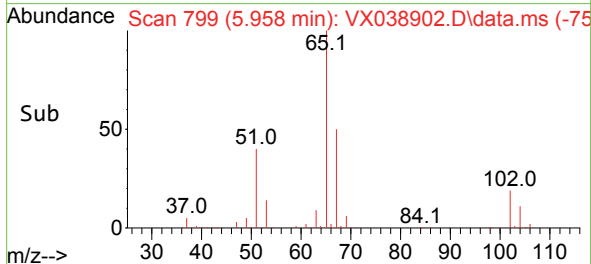
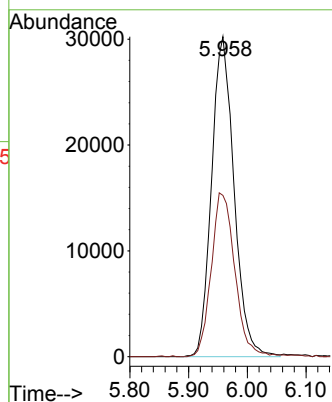
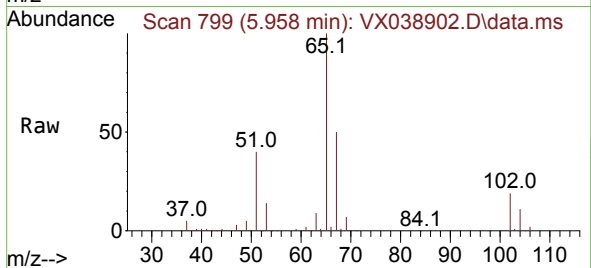
RE134D4-20231109

Tgt Ion: 65 Resp: 80406

Ion Ratio Lower Upper

65 100

67 53.8 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: VX038902.D

Acq: 18 Nov 2023 02:25

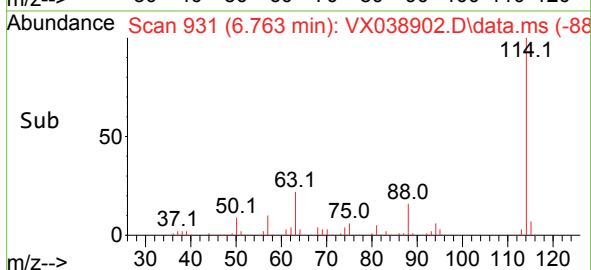
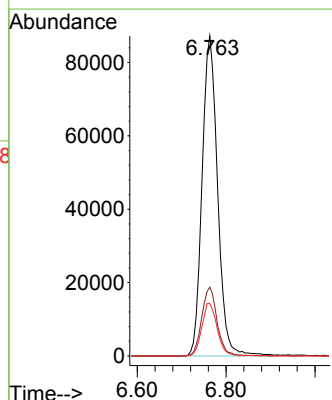
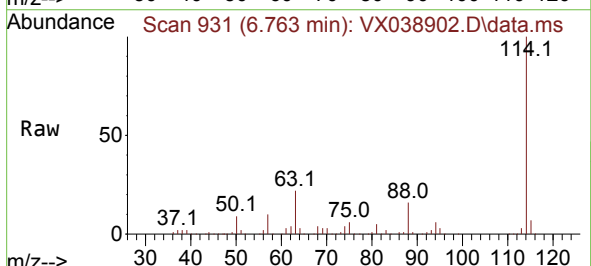
Tgt Ion:114 Resp: 212314

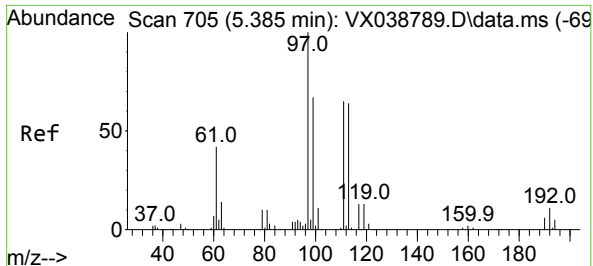
Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.0

88 16.4 0.0 36.6

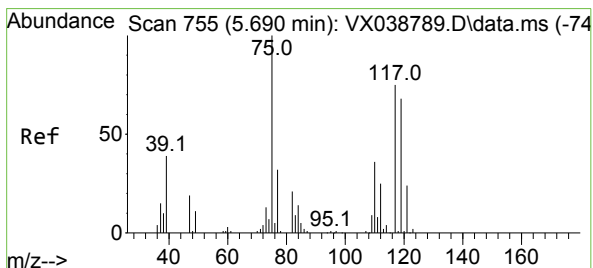
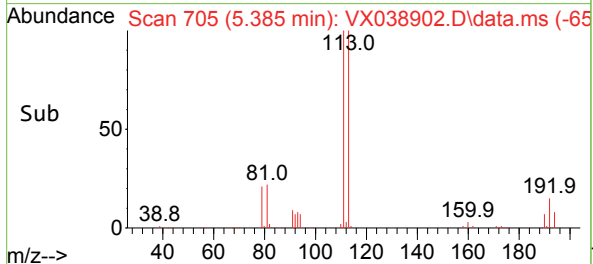
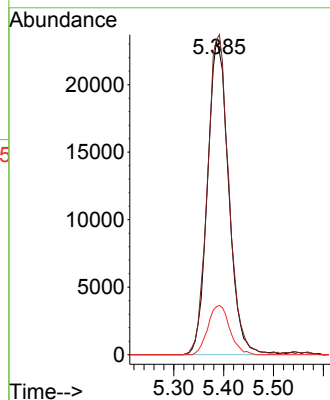
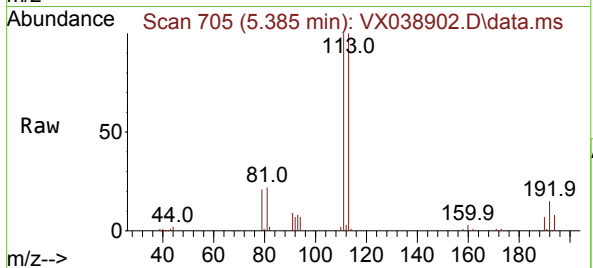




#35
Dibromofluoromethane
Concen: 44.731 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

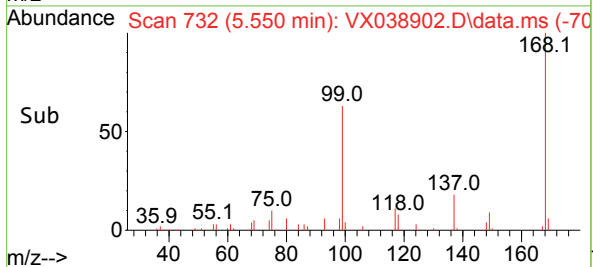
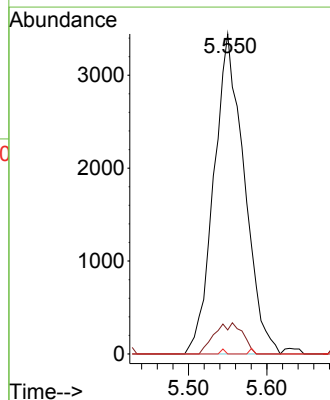
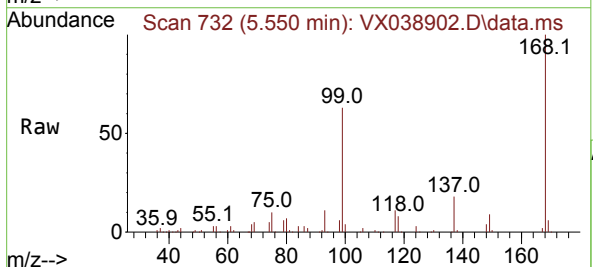
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20231109

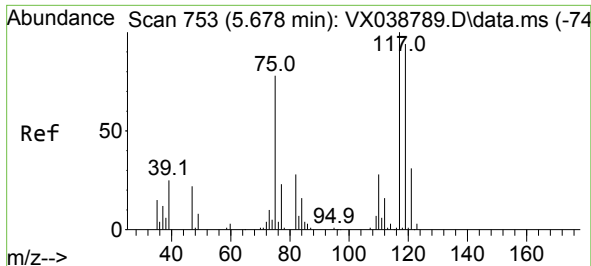
Tgt Ion:113 Resp: 68590
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 16.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.213 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

Tgt Ion: 75 Resp: 9259
Ion Ratio Lower Upper
75 100
110 4.9 17.0 50.9#
77 0.2 24.7 37.1#

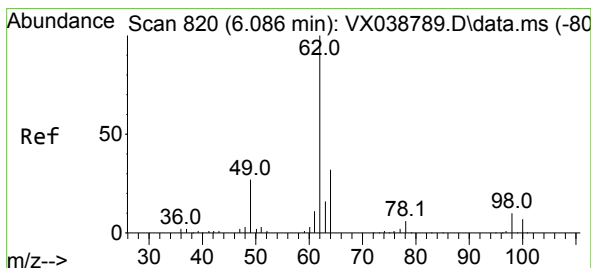
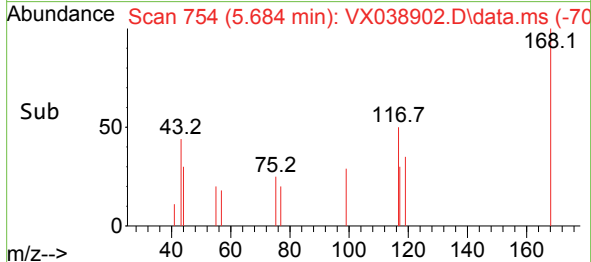
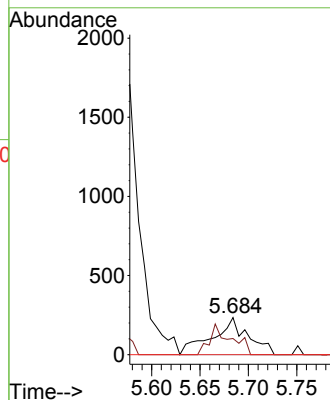
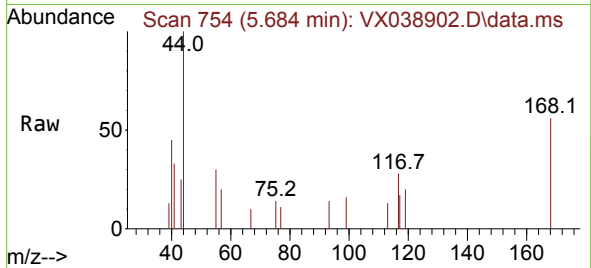




#38
Carbon Tetrachloride
Concen: 0.296 ug/l
RT: 5.684 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

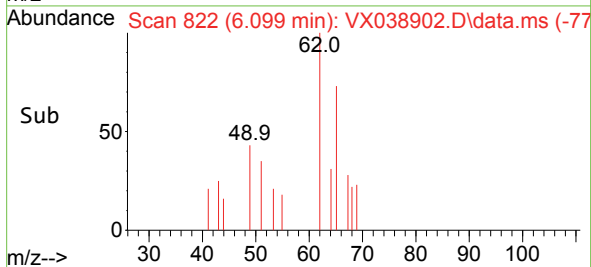
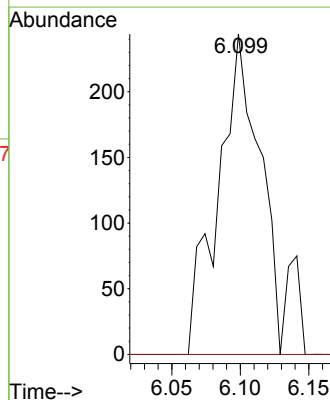
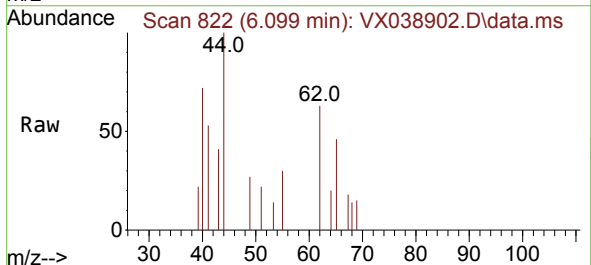
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20231109

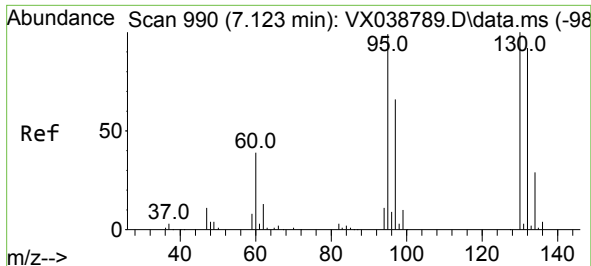
Tgt Ion:117 Resp: 602
Ion Ratio Lower Upper
117 100
119 43.6 78.2 117.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.240 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.012 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

Tgt Ion: 62 Resp: 517
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

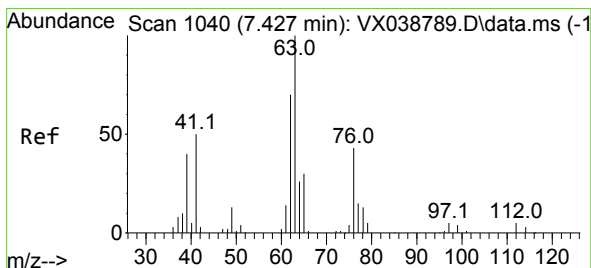
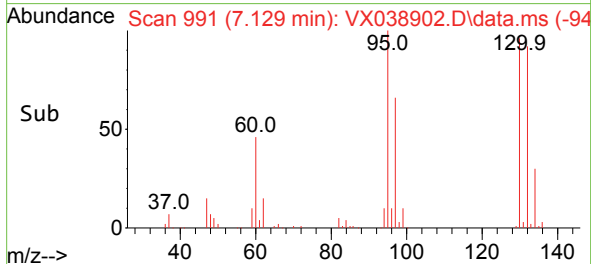
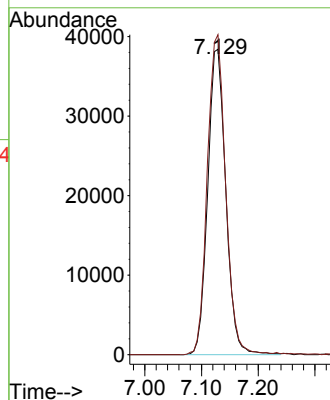
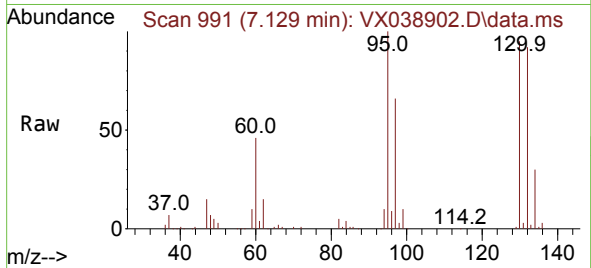




#44
Trichloroethene
Concen: 53.860 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

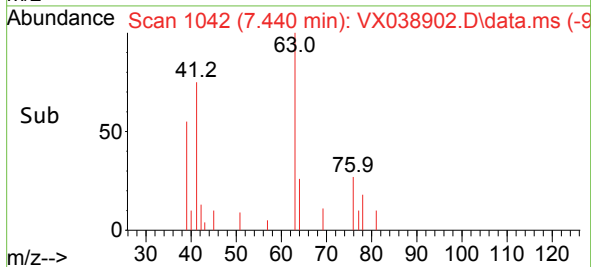
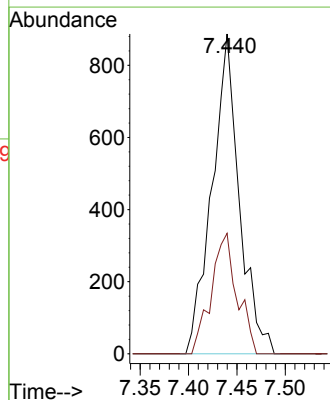
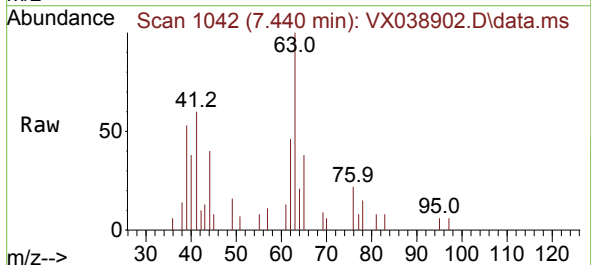
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20231109

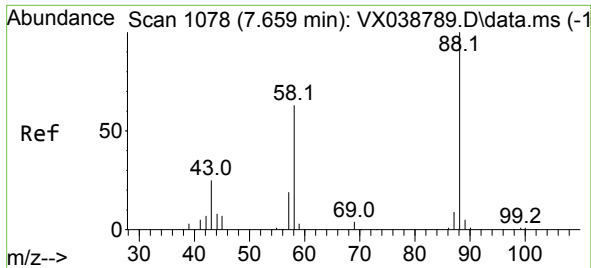
Tgt Ion:130 Resp: 85216
Ion Ratio Lower Upper
130 100
95 104.8 0.0 204.4



#45
1,2-Dichloropropane
Concen: 0.996 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

Tgt Ion: 63 Resp: 1742
Ion Ratio Lower Upper
63 100
65 37.7 24.3 36.5#

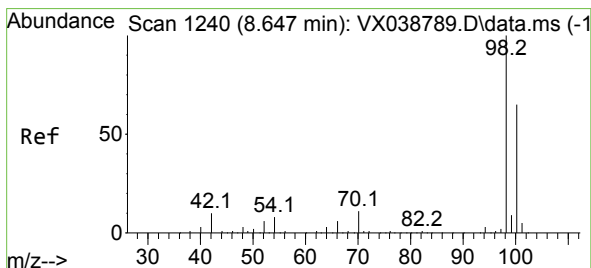
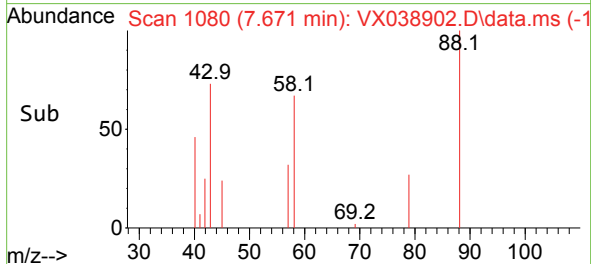
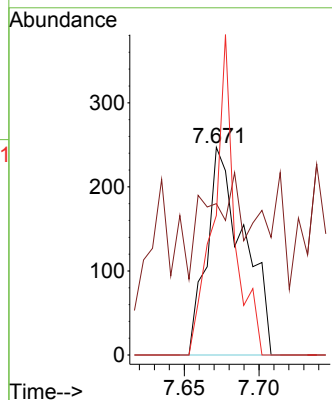
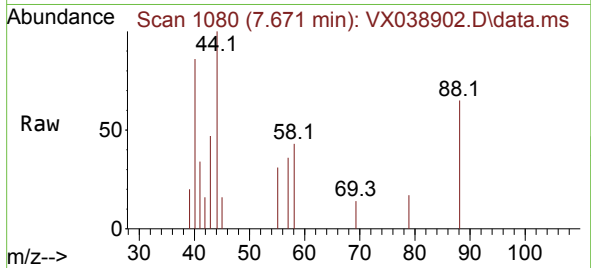




#49
1,4-Dioxane
Concen: 9.848 ug/l
RT: 7.671 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

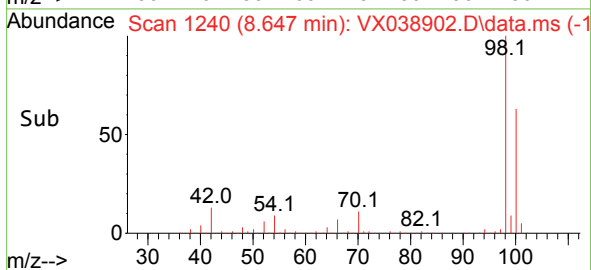
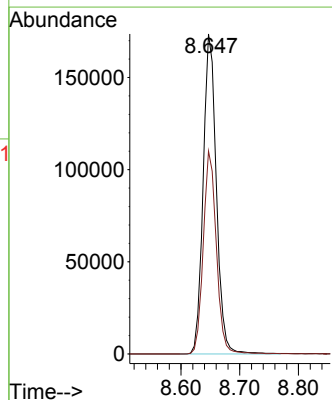
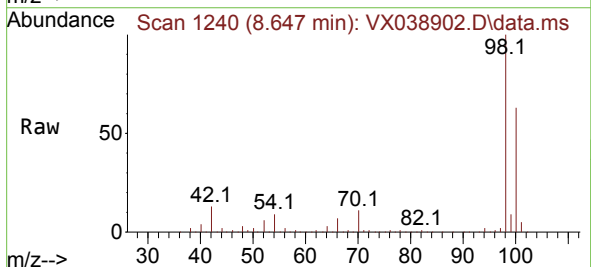
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20231109

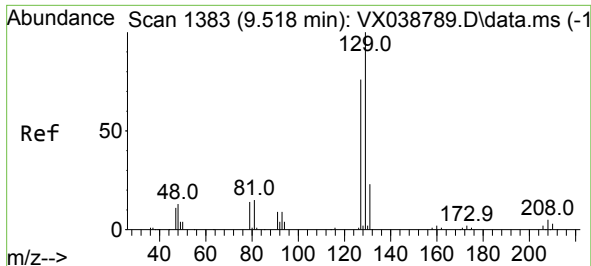
Tgt Ion: 88 Resp: 423
Ion Ratio Lower Upper
88 100
43 30.0 0.0 0.0#
58 87.7 60.1 90.1



#50
Toluene-d8
Concen: 46.223 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

Tgt Ion: 98 Resp: 271179
Ion Ratio Lower Upper
98 100
100 62.9 53.1 79.7

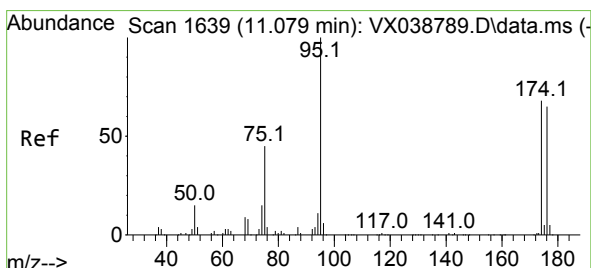
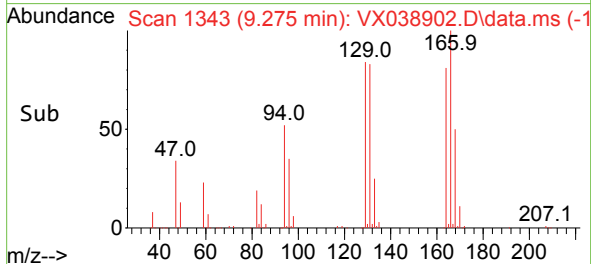
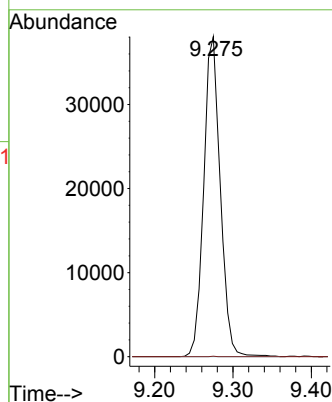
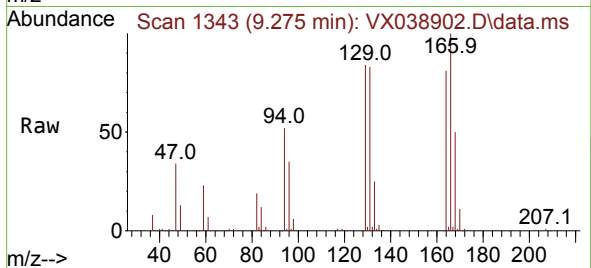




#60
Dibromochloromethane
Concen: 32.588 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

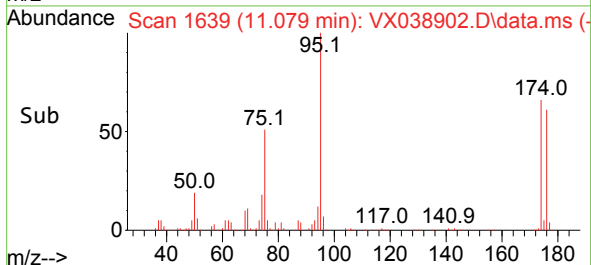
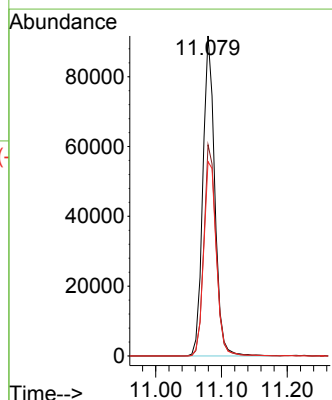
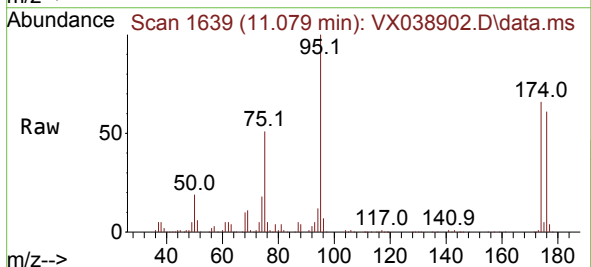
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20231109

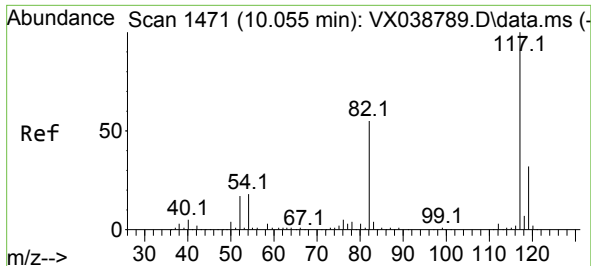
Tgt Ion:129 Resp: 55769
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 49.131 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

Tgt Ion: 95 Resp: 115386
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.6
176 64.8 0.0 131.0

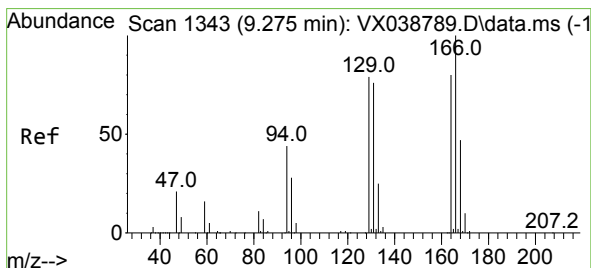
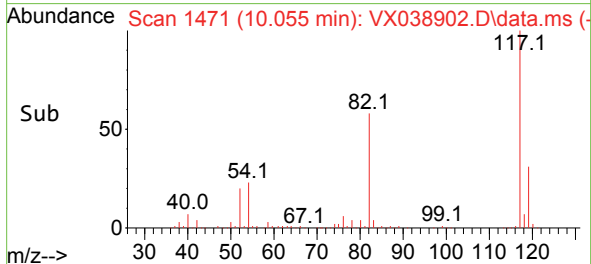
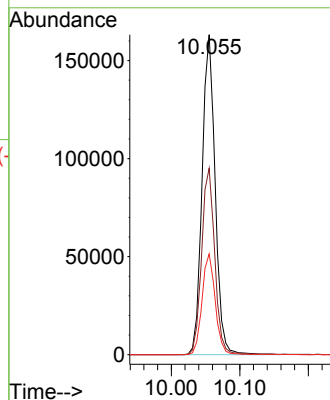
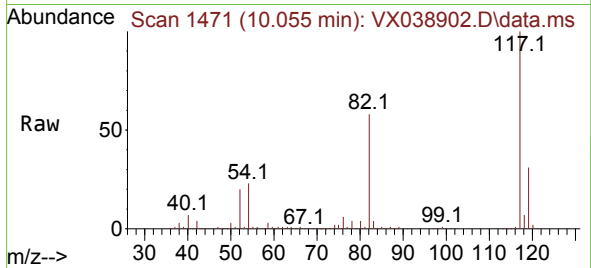




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

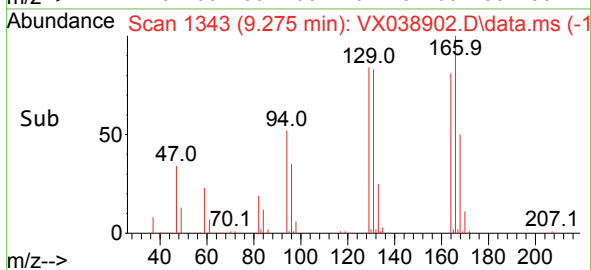
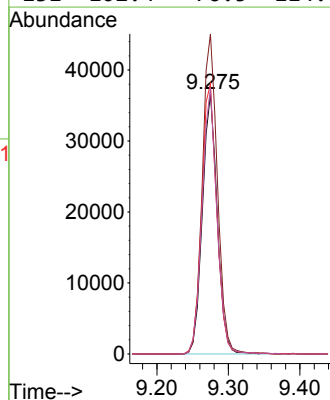
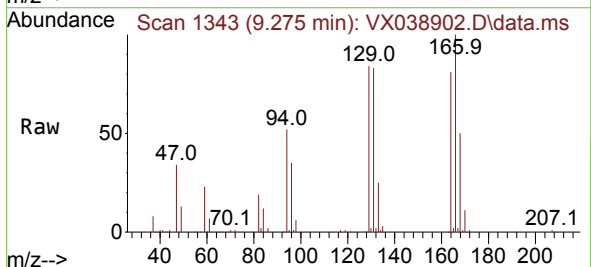
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20231109

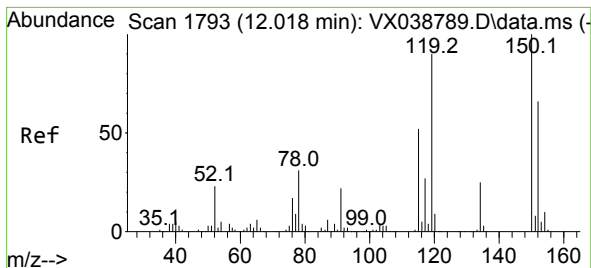
Tgt Ion:117 Resp: 216779
Ion Ratio Lower Upper
117 100
82 58.2 46.2 69.4
119 31.5 25.5 38.3



#64
Tetrachloroethene
Concen: 39.358 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX038902.D
Acq: 18 Nov 2023 02:25

Tgt Ion:164 Resp: 53034
Ion Ratio Lower Upper
164 100
166 123.0 102.7 154.1
129 103.9 80.4 120.6
131 102.4 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: VX038902.D

Acq: 18 Nov 2023 02:25

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20231109

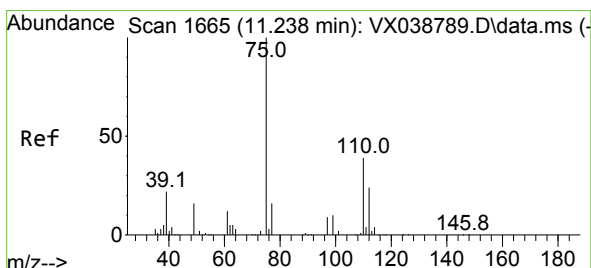
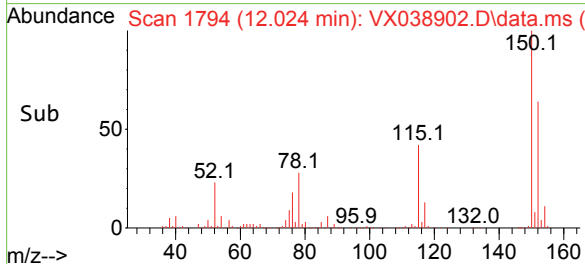
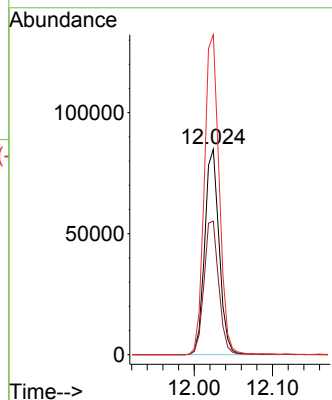
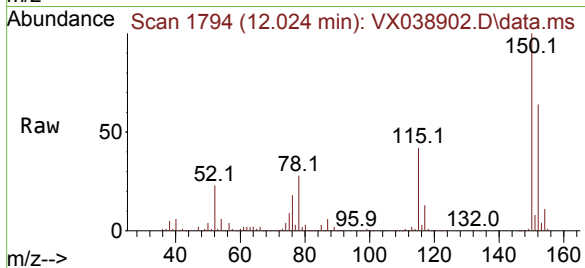
Tgt Ion:152 Resp: 108621

Ion Ratio Lower Upper

152 100

115 66.4 43.3 129.9

150 160.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 21.626 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038902.D

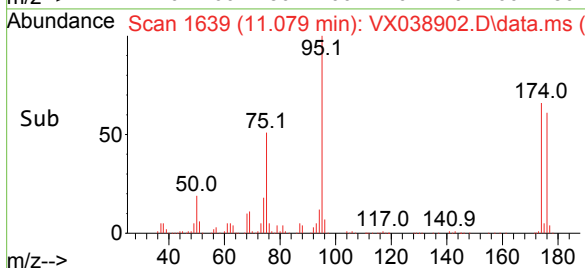
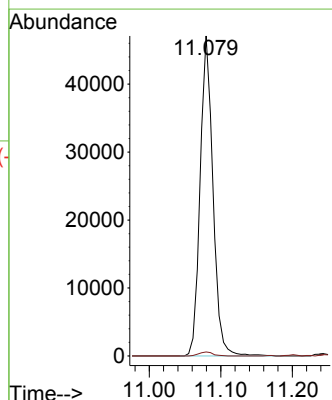
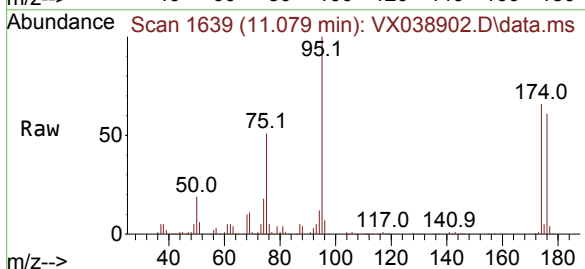
Acq: 18 Nov 2023 02:25

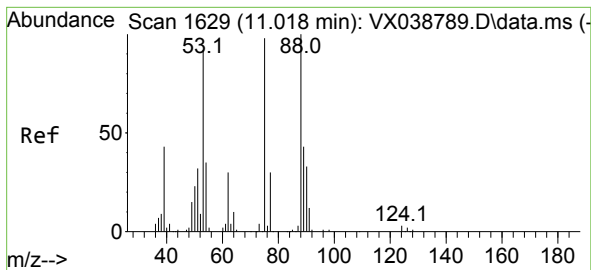
Tgt Ion: 75 Resp: 58609

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.969 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038902.D
 Acq: 18 Nov 2023 02:25

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20231109

Tgt Ion: 75 Resp: 58609
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

