

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038903.D
 Acq On : 18 Nov 2023 02:48
 Operator : JC/MD
 Sample : 05404-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D2-20231109

Quant Time: Nov 18 05:06:25 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)

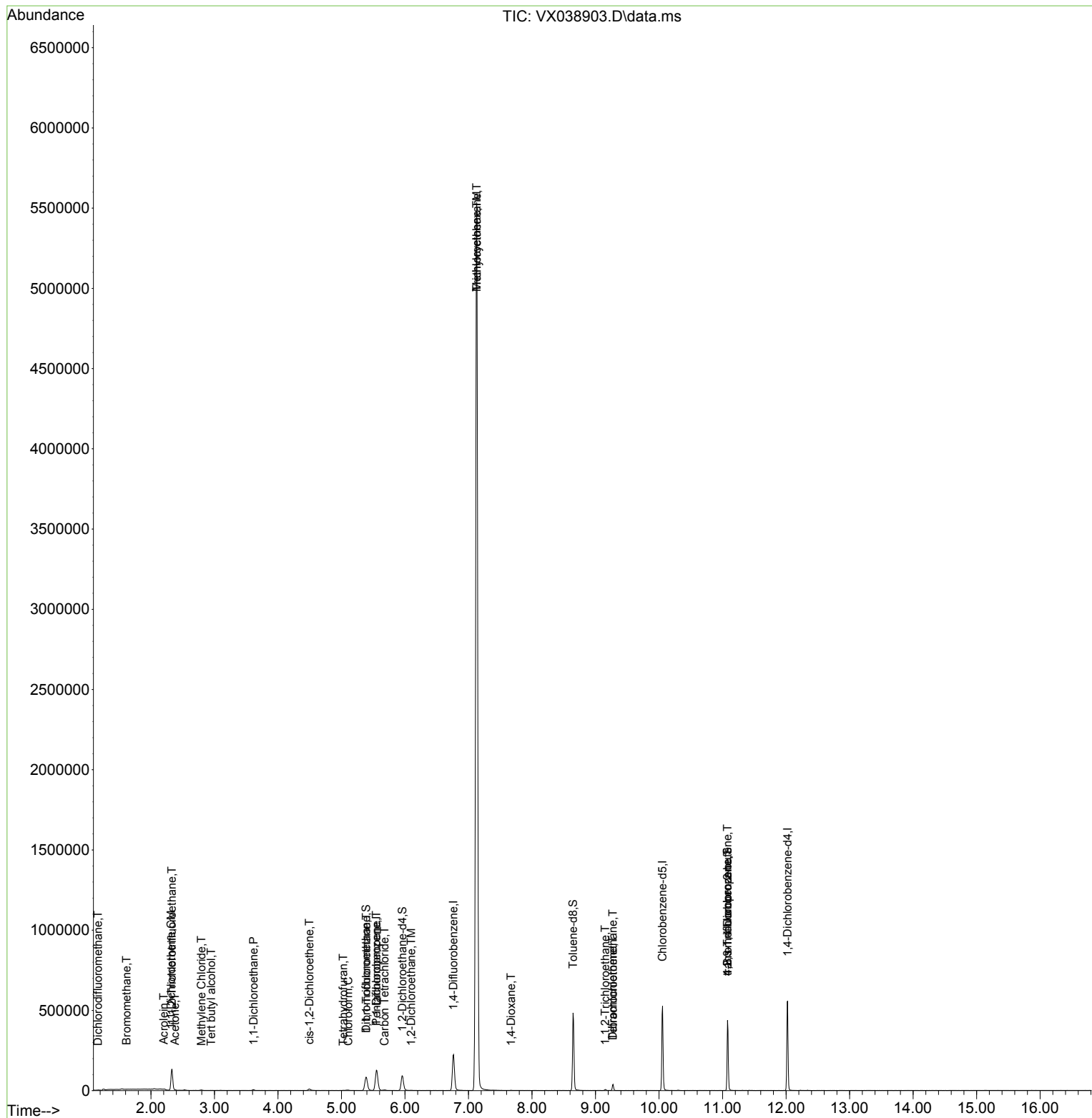
Internal Standards						
1) Pentafluorobenzene	5.550	168	114395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229260	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86679	47.024	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.040%
35) Dibromofluoromethane	5.385	113	73243	44.235	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.460%
50) Toluene-d8	8.647	98	288585	45.554	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.100%#
62) 4-Bromofluorobenzene	11.079	95	122332	48.239	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	552	0.414	ug/l	85
5) Bromomethane	1.618	94	172	0.248	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.331	101	41239	29.201	ug/l	98
11) Tert butyl alcohol	2.947	59	281	0.548	ug/l #	1
12) 1,1-Dichloroethene	2.319	96	13794	9.675	ug/l	89
13) Acrolein	2.203	56	173	0.638	ug/l #	1
16) Acetone	2.380	43	1651	1.683	ug/l	98
20) Methylene Chloride	2.794	84	1368	0.773	ug/l	97
24) 1,1-Dichloroethane	3.617	63	5645	1.928	ug/l #	90
27) cis-1,2-Dichloroethene	4.495	96	5487	2.992	ug/l	85
29) Tetrahydrofuran	5.026	42	759	0.751	ug/l	97
30) Chloroform	5.105	83	3188	1.115	ug/l	91
32) 1,1,1-Trichloroethane	5.391	97	1248	0.504	ug/l #	43
36) 1,1-Dichloropropene	5.550	75	10112	4.261	ug/l #	50
38) Carbon Tetrachloride	5.678	117	2458	1.121	ug/l #	95
39) Methylcyclohexane	7.129	83	26900	8.690	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	849	0.365	ug/l	87
44) Trichloroethene	7.129	130	2014454	1179.101	ug/l	94
49) 1,4-Dioxane	7.671	88	882	19.017	ug/l #	99
55) 1,1,2-Trichloroethane	9.153	97	1921	1.057	ug/l	88
60) Dibromochloromethane	9.275	129	6823	3.692	ug/l #	11
64) Tetrachloroethene	9.275	164	6514	4.484	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	63677	22.151	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	63677	49.134	ug/l #	5

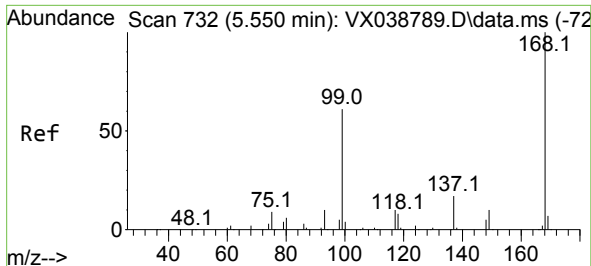
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
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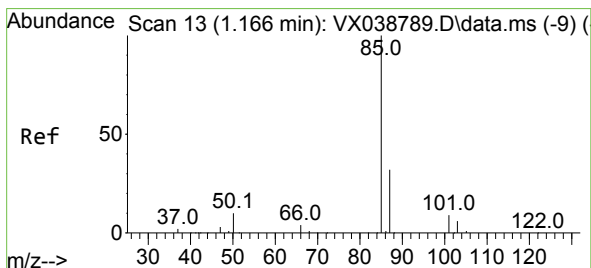
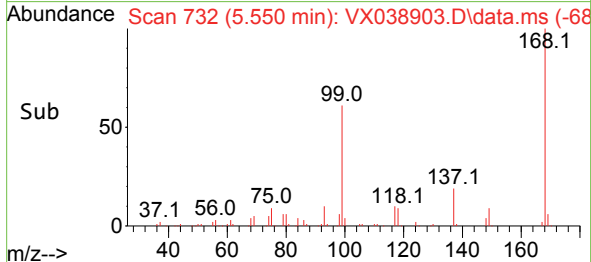
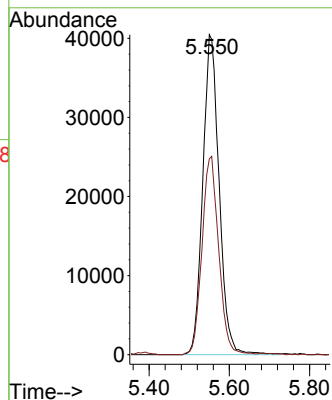
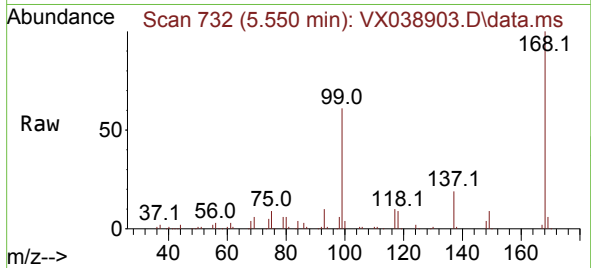




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038903.D
Acq: 18 Nov 2023 02:48

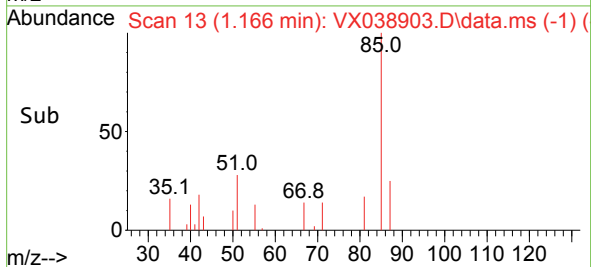
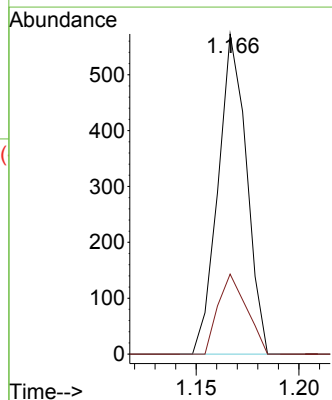
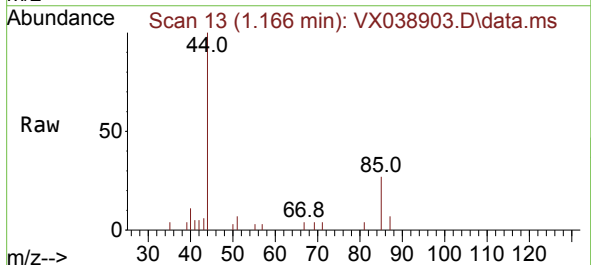
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20231109

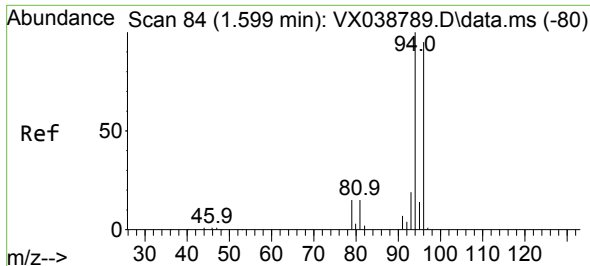
Tgt Ion:168 Resp: 114395
Ion Ratio Lower Upper
168 100
99 61.2 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.414 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX038903.D
Acq: 18 Nov 2023 02:48

Tgt Ion: 85 Resp: 552
Ion Ratio Lower Upper
85 100
87 25.0 16.7 50.1

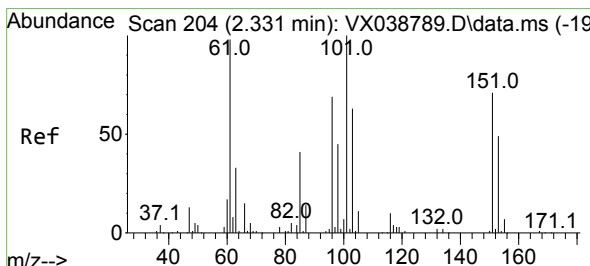
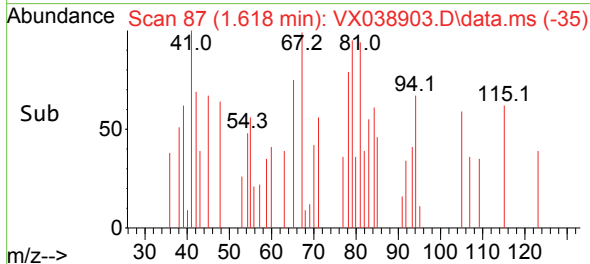
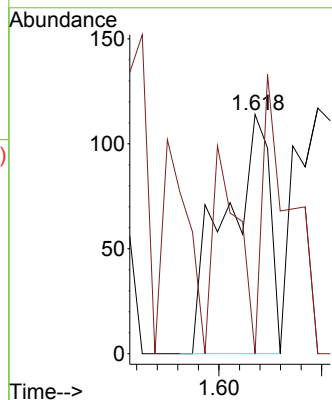
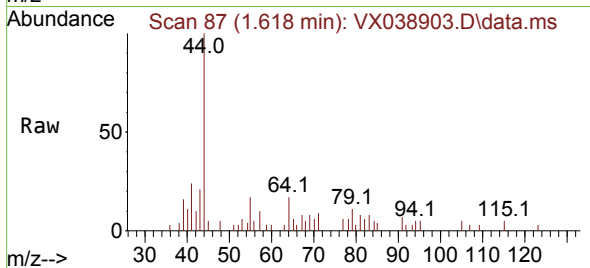




#5
Bromomethane
Concen: 0.248 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX038903.D
Acq: 18 Nov 2023 02:48

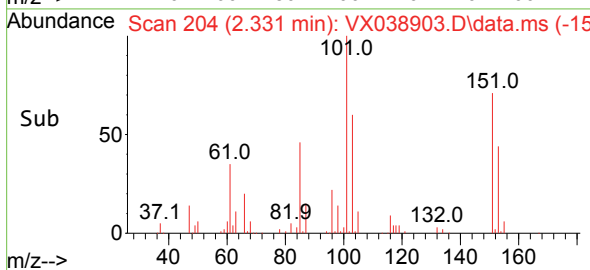
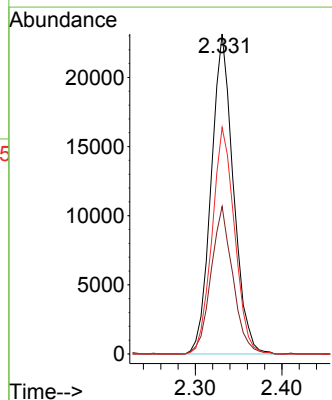
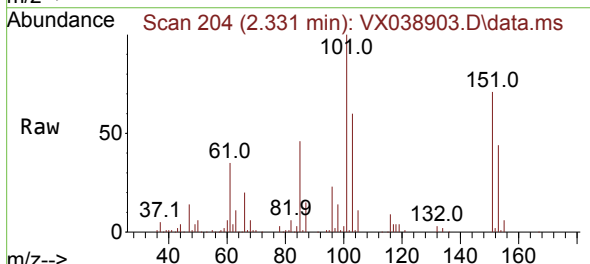
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20231109

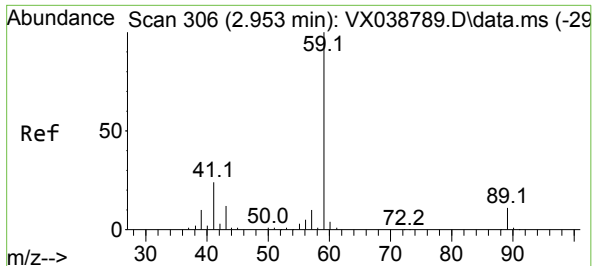
Tgt Ion: 94 Resp: 172
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 29.201 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038903.D
Acq: 18 Nov 2023 02:48

Tgt Ion: 101 Resp: 41239
Ion Ratio Lower Upper
101 100
85 45.3 37.0 55.6
151 71.7 58.6 87.8

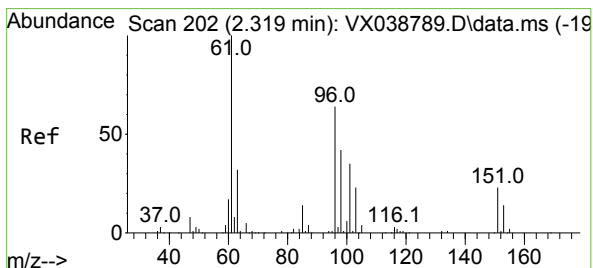
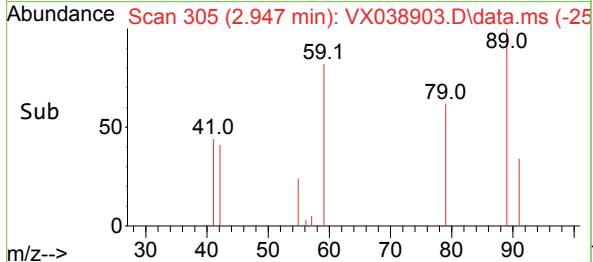
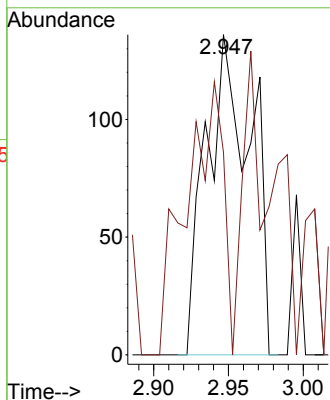
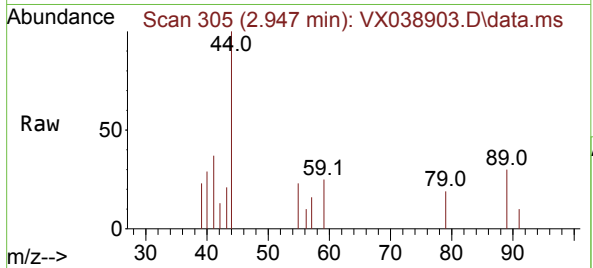




#11
Tert butyl alcohol
Concen: 0.548 ug/l
RT: 2.947 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX038903.D
Acq: 18 Nov 2023 02:48

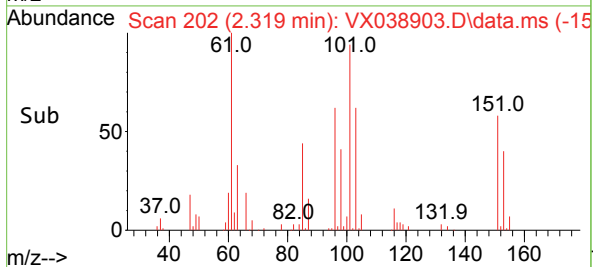
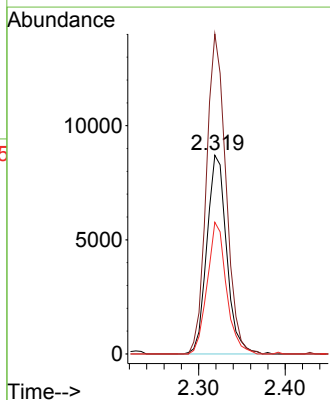
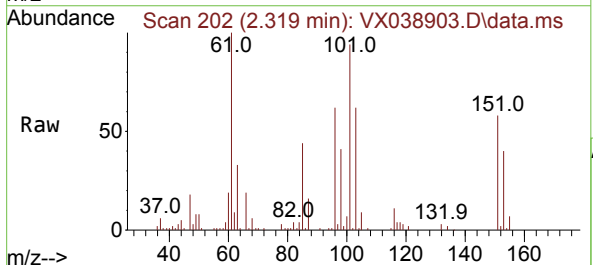
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20231109

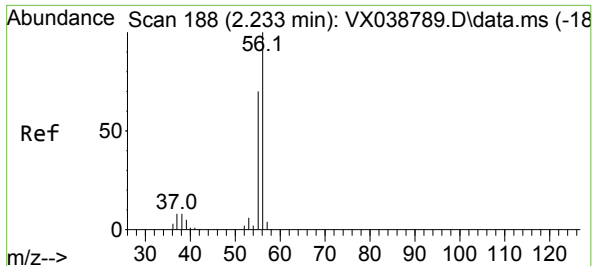
Tgt Ion: 59 Resp: 281
Ion Ratio Lower Upper
59 100
57 71.2 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 9.675 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX038903.D
Acq: 18 Nov 2023 02:48

Tgt Ion: 96 Resp: 13794
Ion Ratio Lower Upper
96 100
61 161.1 144.6 216.8
98 66.3 50.4 75.6





#13

Acrolein

Concen: 0.638 ug/l

RT: 2.203 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX038903.D

Acq: 18 Nov 2023 02:48

Instrument :

MSVOA_X

ClientSampleId :

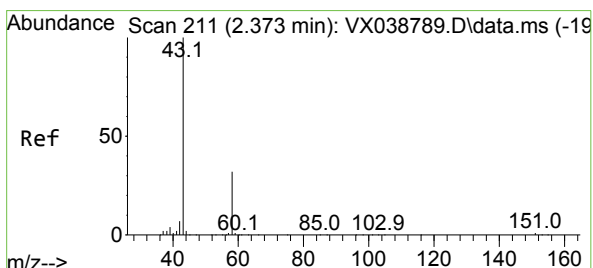
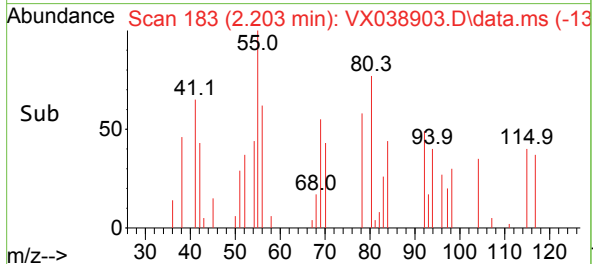
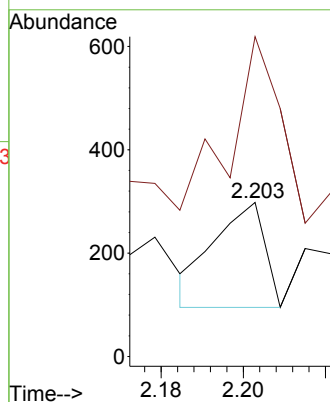
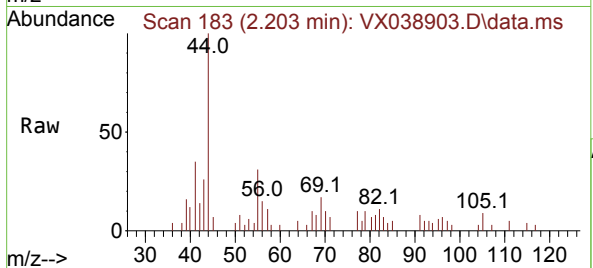
TT101D2-20231109

Tgt Ion: 56 Resp: 173

Ion Ratio Lower Upper

56 100

55 156.6 57.1 85.7#



#16

Acetone

Concen: 1.683 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX038903.D

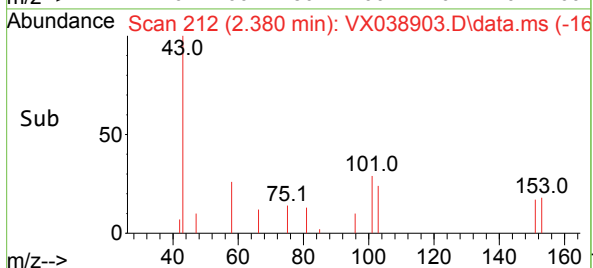
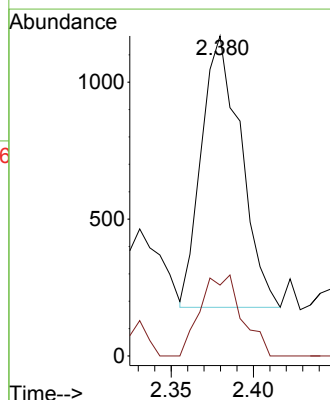
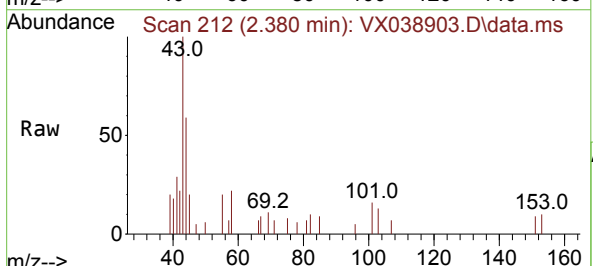
Acq: 18 Nov 2023 02:48

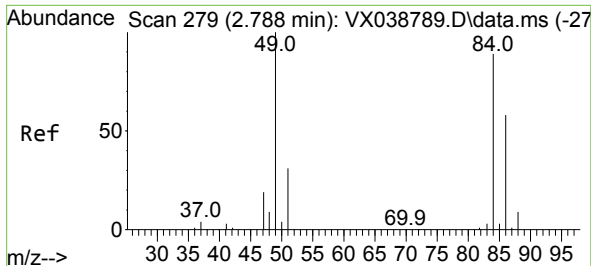
Tgt Ion: 43 Resp: 1651

Ion Ratio Lower Upper

43 100

58 26.1 21.9 32.9





#20

Methylene Chloride

Concen: 0.773 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX038903.D

Acq: 18 Nov 2023 02:48

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20231109

Tgt Ion: 84 Resp: 1368

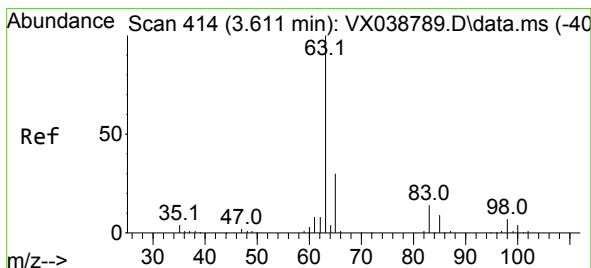
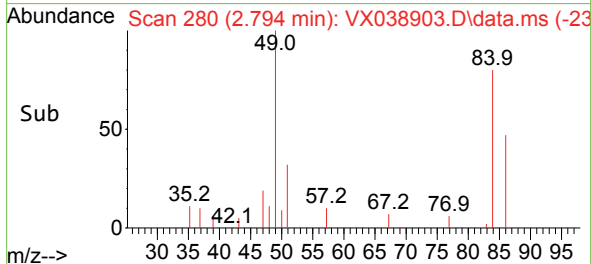
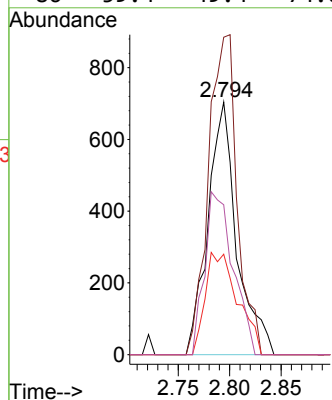
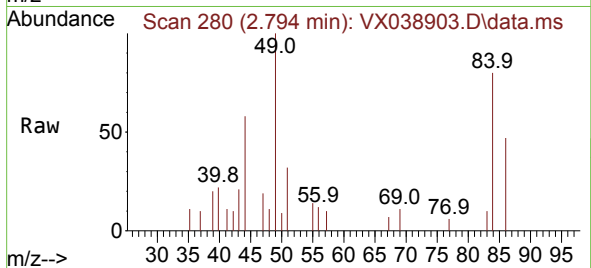
Ion Ratio Lower Upper

84 100

49 125.7 103.6 155.4

51 39.8 33.8 50.6

86 59.4 49.4 74.0



#24

1,1-Dichloroethane

Concen: 1.928 ug/l

RT: 3.617 min Scan# 415

Delta R.T. 0.006 min

Lab File: VX038903.D

Acq: 18 Nov 2023 02:48

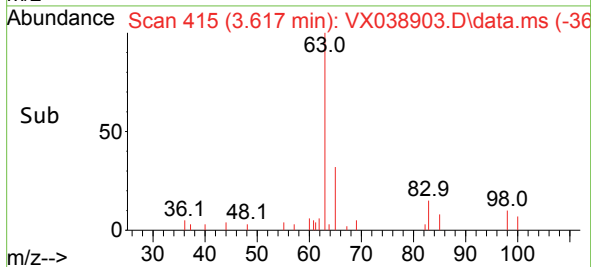
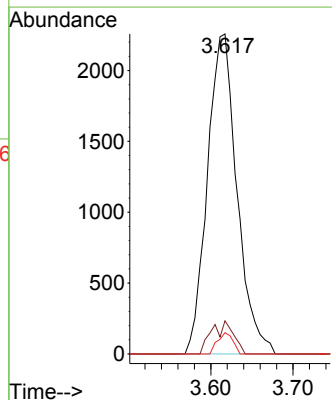
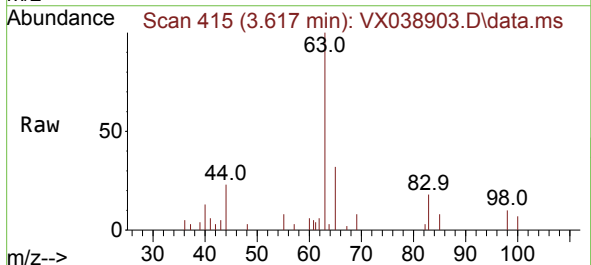
Tgt Ion: 63 Resp: 5645

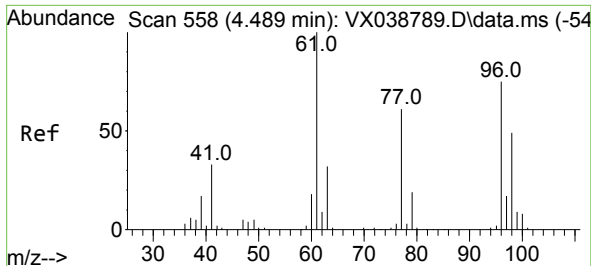
Ion Ratio Lower Upper

63 100

98 10.4 3.3 9.8#

100 6.6 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 2.992 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX038903.D

Acq: 18 Nov 2023 02:48

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MSVOA_X

ClientSampleId :

TT101D2-20231109

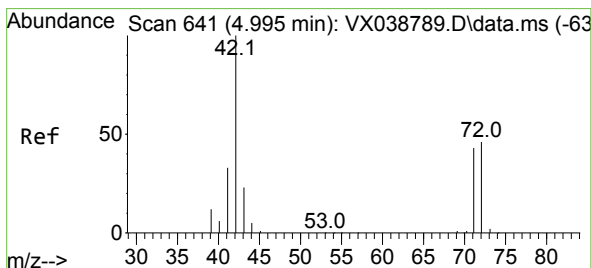
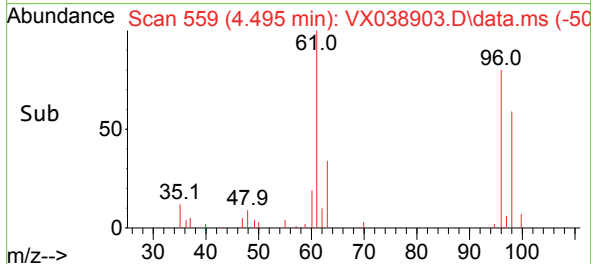
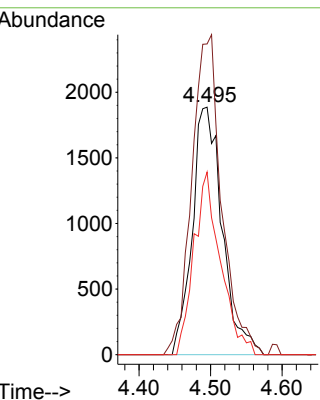
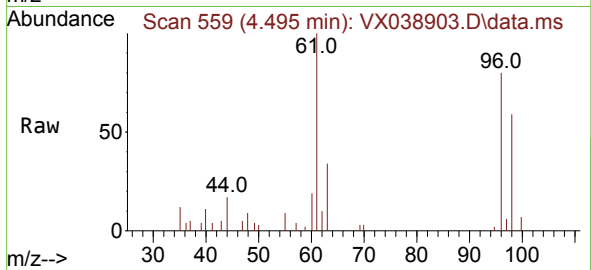
Tgt Ion: 96 Resp: 5487

Ion Ratio Lower Upper

96 100

61 128.8 0.0 312.2

98 65.6 0.0 129.0



#29

Tetrahydrofuran

Concen: 0.751 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.031 min

Lab File: VX038903.D

Acq: 18 Nov 2023 02:48

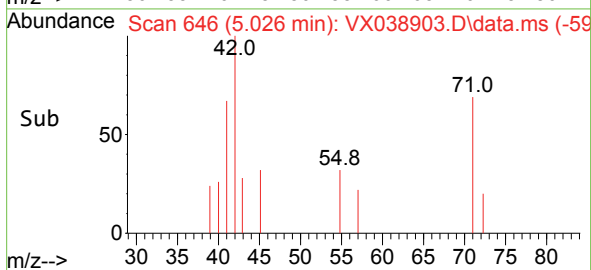
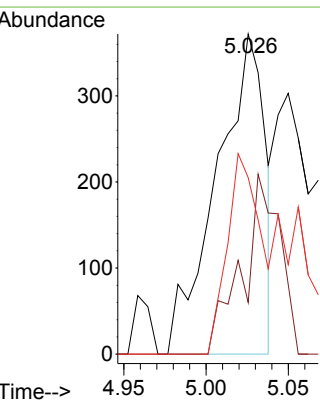
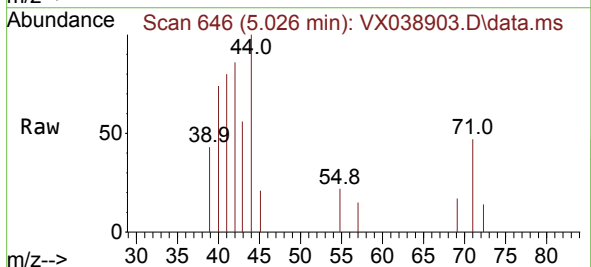
Tgt Ion: 42 Resp: 759

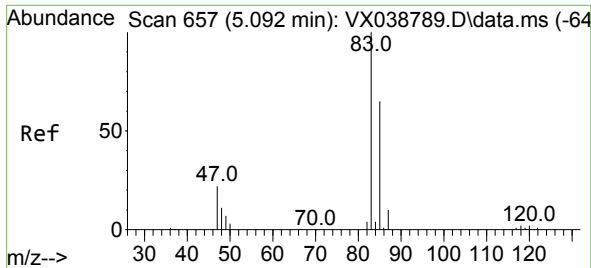
Ion Ratio Lower Upper

42 100

72 43.6 34.2 51.4

71 42.7 32.2 48.2

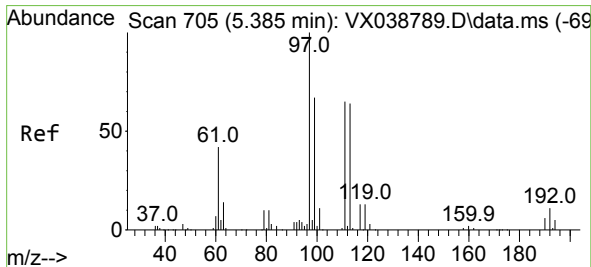
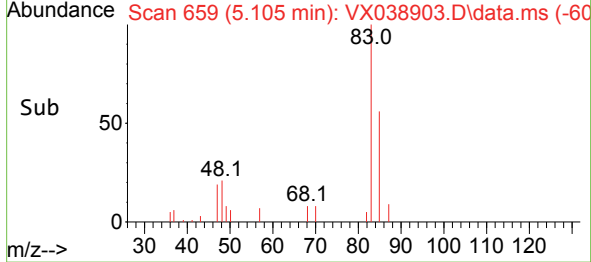
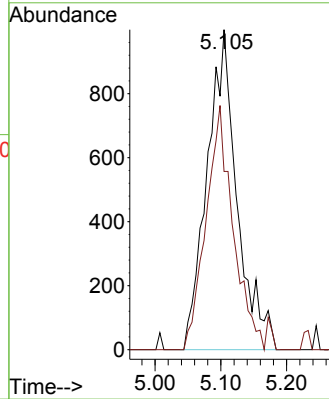
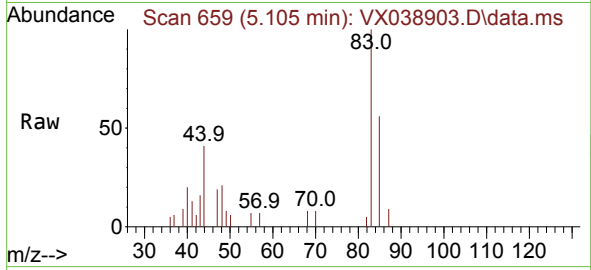




#30
Chloroform
Concen: 1.115 ug/l
RT: 5.105 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX038903.D
Acq: 18 Nov 2023 02:48

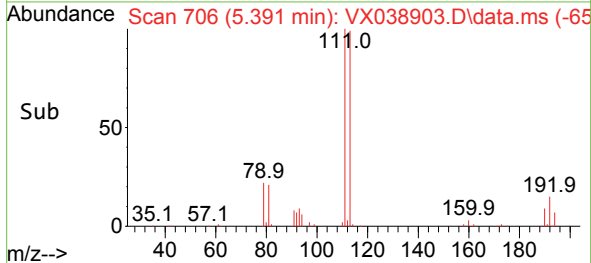
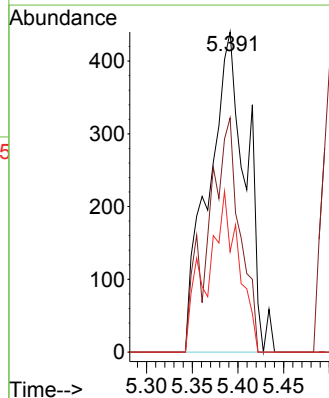
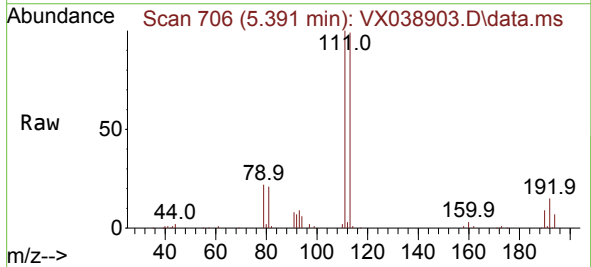
Instrument :
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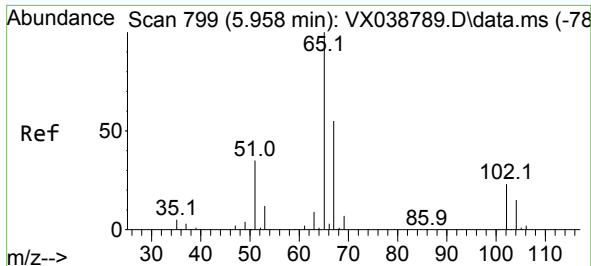
Tgt Ion: 83 Resp: 3188
Ion Ratio Lower Upper
83 100
85 55.7 50.3 75.5



#32
1,1,1-Trichloroethane
Concen: 0.504 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX038903.D
Acq: 18 Nov 2023 02:48

Tgt Ion: 97 Resp: 1248
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 31.6 36.4 54.6#

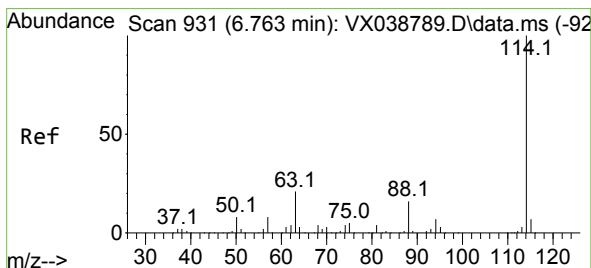
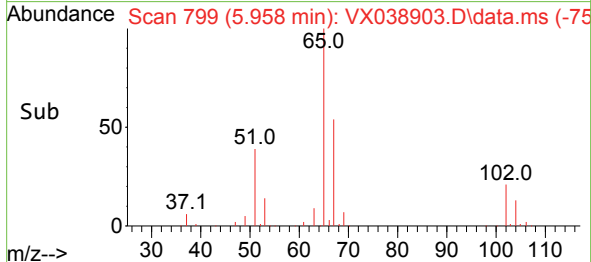
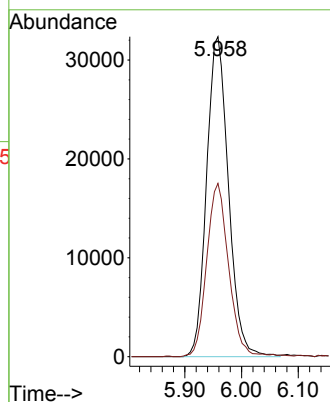
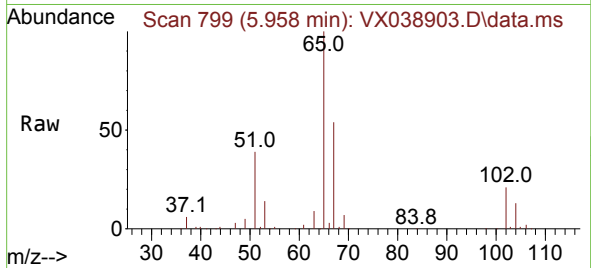




#33
 1,2-Dichloroethane-d4
 Concen: 47.024 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038903.D
 Acq: 18 Nov 2023 02:48

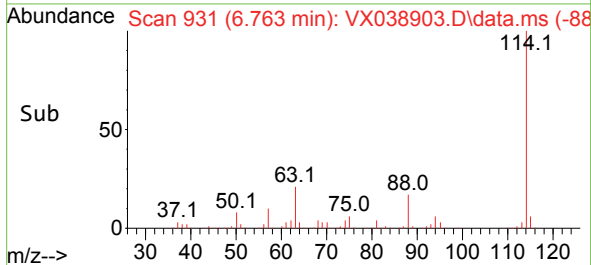
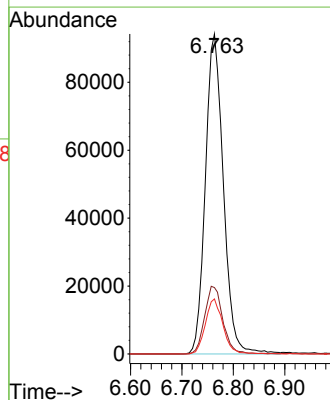
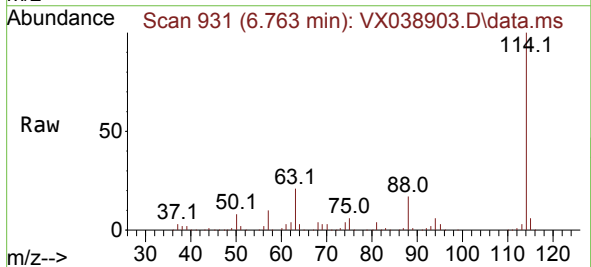
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D2-20231109

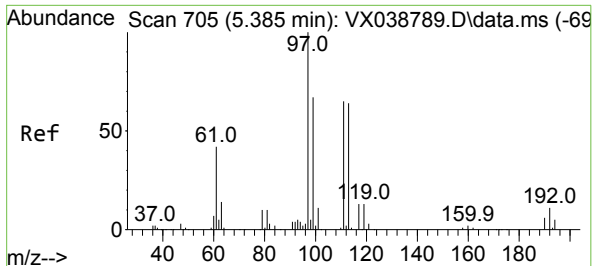
Tgt Ion: 65 Resp: 86679
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX038903.D
 Acq: 18 Nov 2023 02:48

Tgt Ion: 114 Resp: 229260
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 45.0
 88 17.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.235 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX038903.D

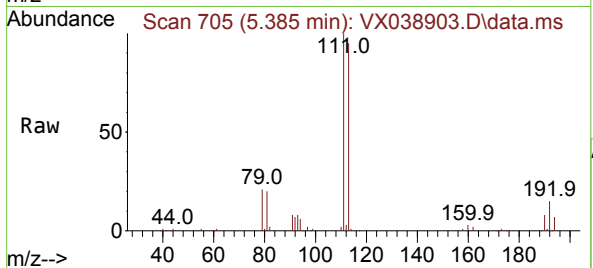
Acq: 18 Nov 2023 02:48

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20231109



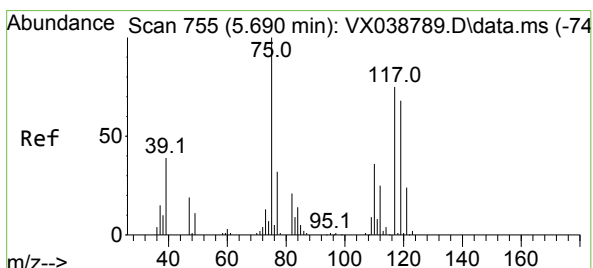
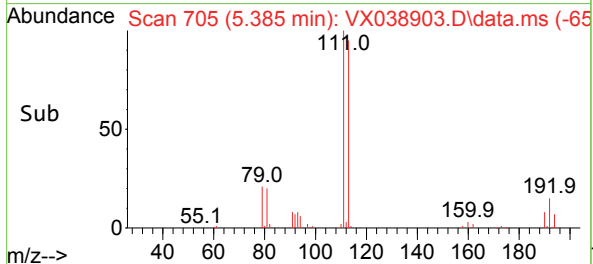
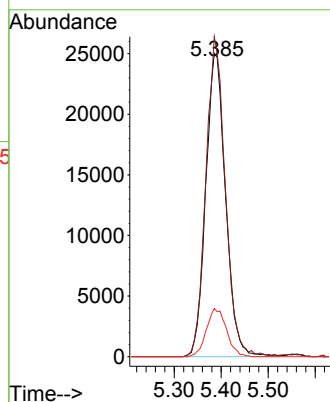
Tgt Ion:113 Resp: 73243

Ion Ratio Lower Upper

113 100

111 103.7 82.9 124.3

192 16.1 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.261 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX038903.D

Acq: 18 Nov 2023 02:48

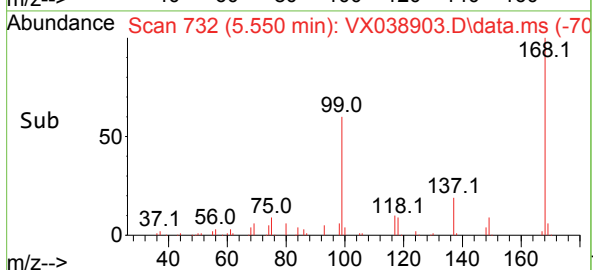
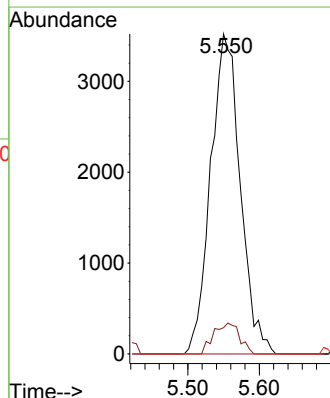
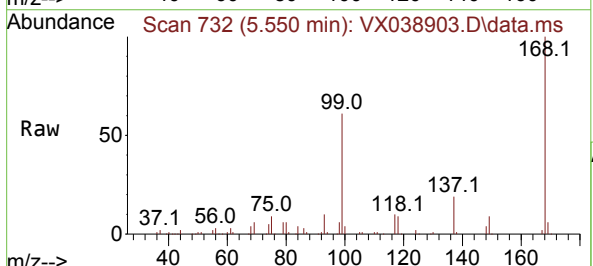
Tgt Ion: 75 Resp: 10112

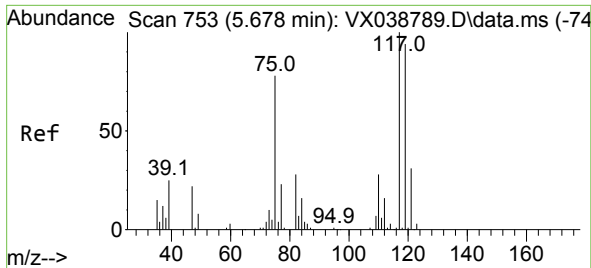
Ion Ratio Lower Upper

75 100

110 8.4 17.0 50.9#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 1.121 ug/l

RT: 5.678 min Scan# 71

Delta R.T. 0.000 min

Lab File: VX038903.D

Acq: 18 Nov 2023 02:48

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20231109

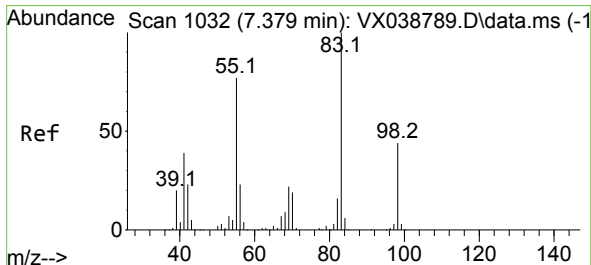
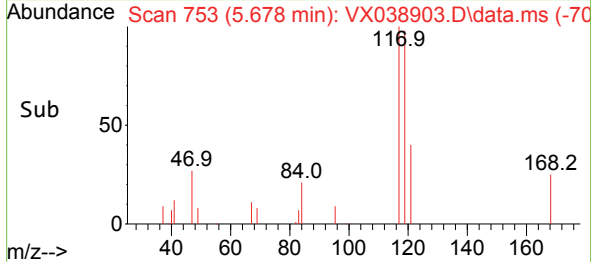
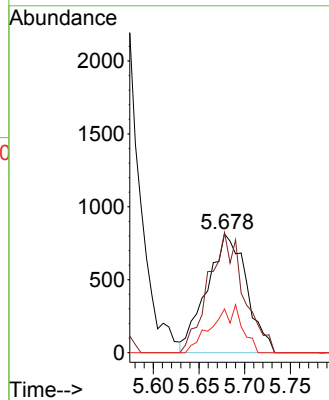
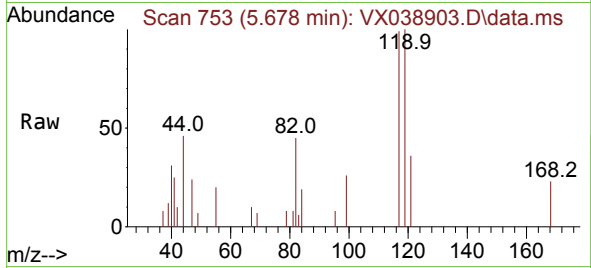
Tgt Ion:117 Resp: 2458

Ion Ratio Lower Upper

117 100

119 101.2 78.2 117.2

121 36.7 24.4 36.6#



#39

Methylcyclohexane

Concen: 8.690 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.250 min

Lab File: VX038903.D

Acq: 18 Nov 2023 02:48

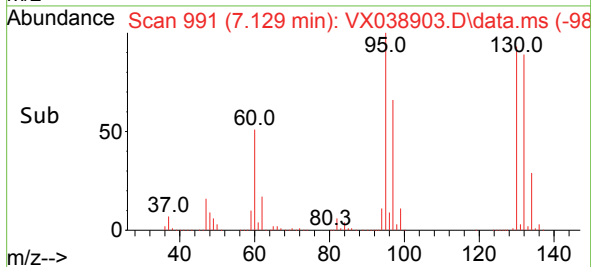
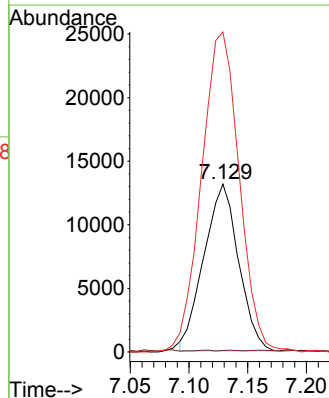
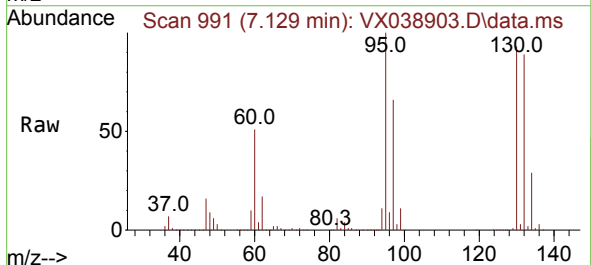
Tgt Ion: 83 Resp: 26900

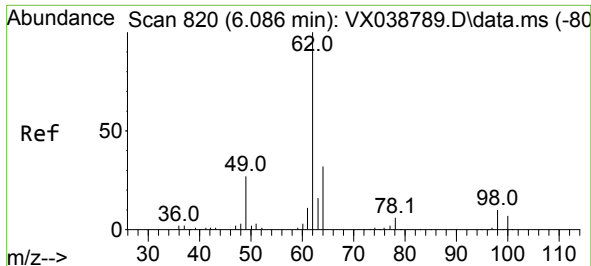
Ion Ratio Lower Upper

83 100

55 0.3 64.6 97.0#

98 190.0 36.7 55.1#





#42

1,2-Dichloroethane

Concen: 0.365 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX038903.D

Acq: 18 Nov 2023 02:48

Instrument :

MSVOA_X

ClientSampleId :

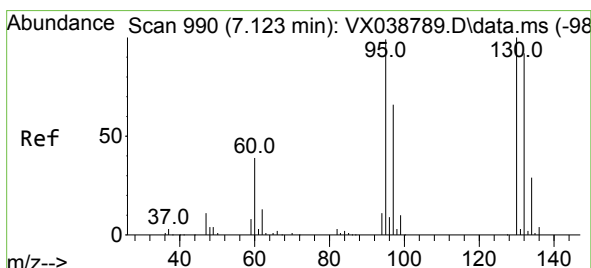
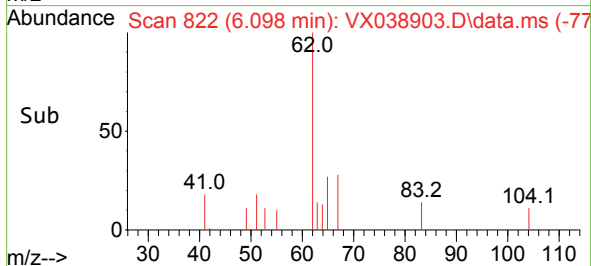
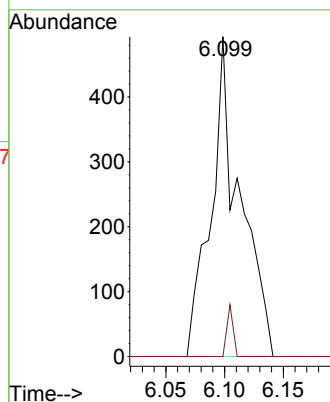
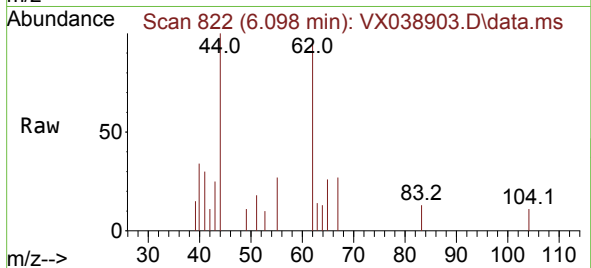
TT101D2-20231109

Tgt Ion: 62 Resp: 849

Ion Ratio Lower Upper

62 100

98 3.4 0.0 16.0



#44

Trichloroethene

Concen: 1179.101 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX038903.D

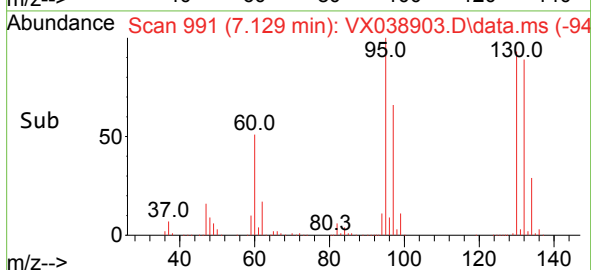
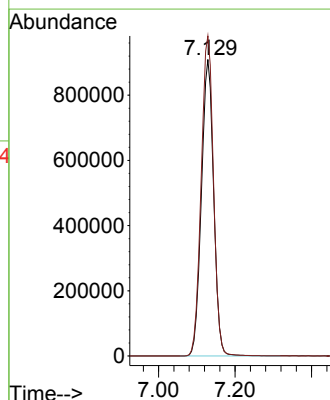
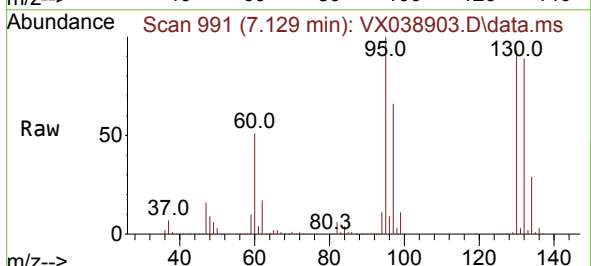
Acq: 18 Nov 2023 02:48

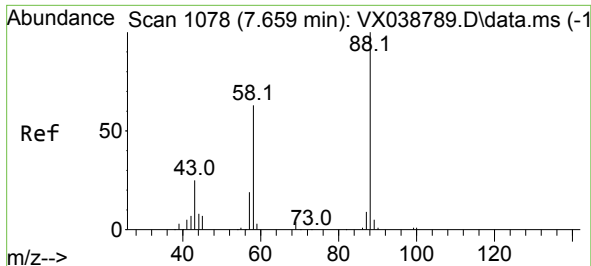
Tgt Ion:130 Resp: 2014454

Ion Ratio Lower Upper

130 100

95 107.9 0.0 204.4

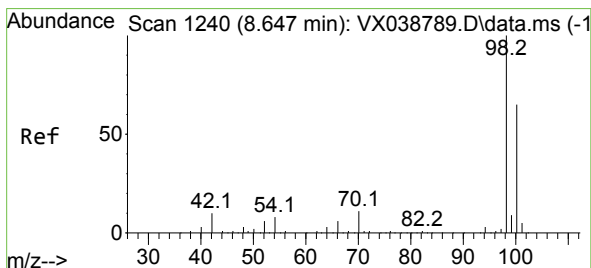
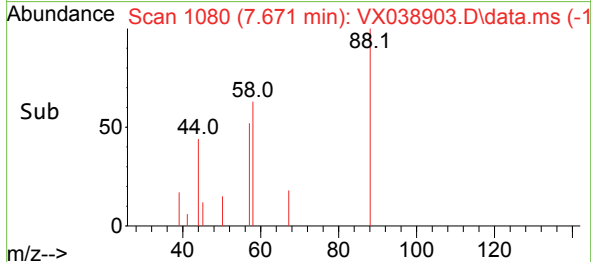
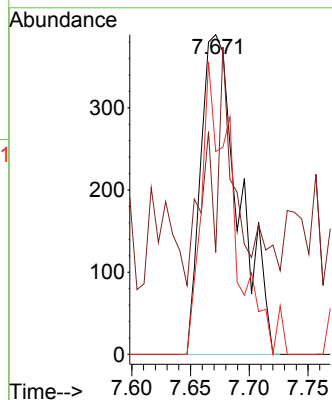
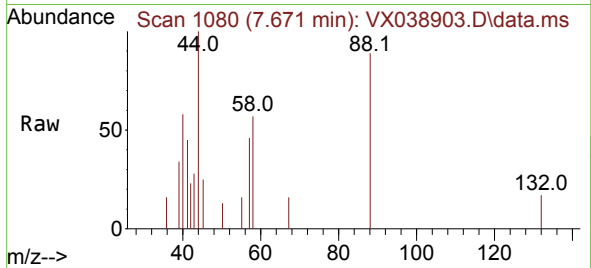




#49
1,4-Dioxane
Concen: 19.017 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX038903.D
Acq: 18 Nov 2023 02:48

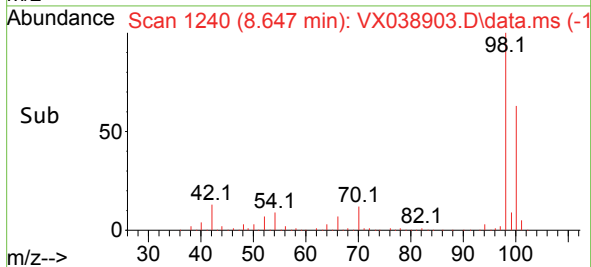
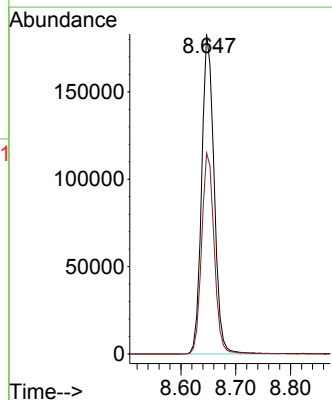
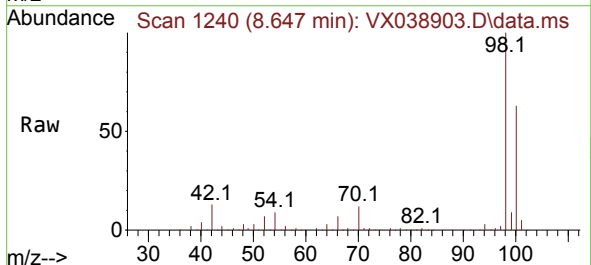
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20231109

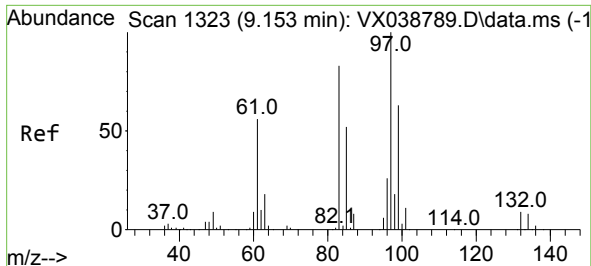
Tgt Ion: 88 Resp: 882
Ion Ratio Lower Upper
88 100
43 43.0 0.0 0.0#
58 76.0 60.1 90.1



#50
Toluene-d8
Concen: 45.554 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038903.D
Acq: 18 Nov 2023 02:48

Tgt Ion: 98 Resp: 288585
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7

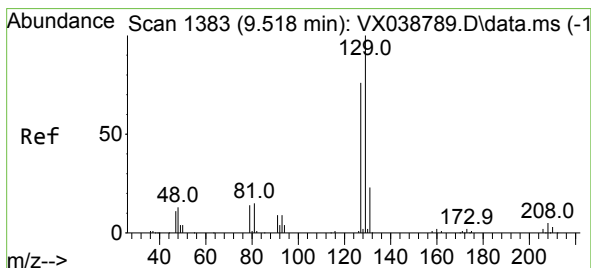
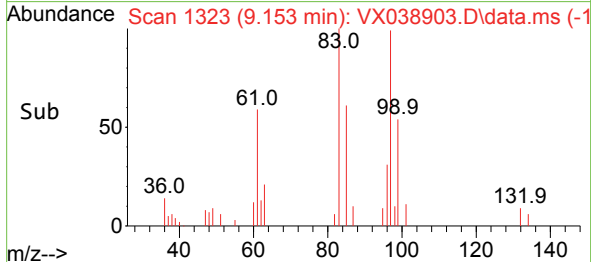
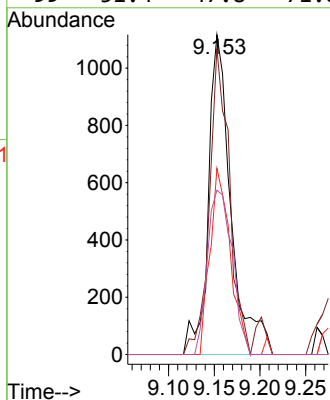
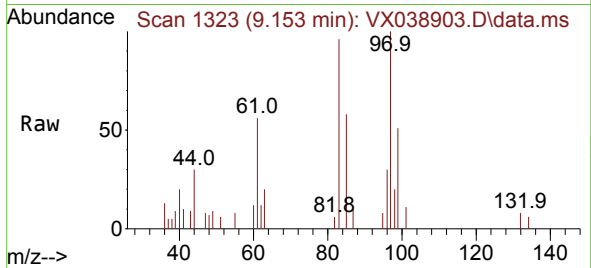




#55
 1,1,2-Trichloroethane
 Concen: 1.057 ug/l
 RT: 9.153 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038903.D
 Acq: 18 Nov 2023 02:48

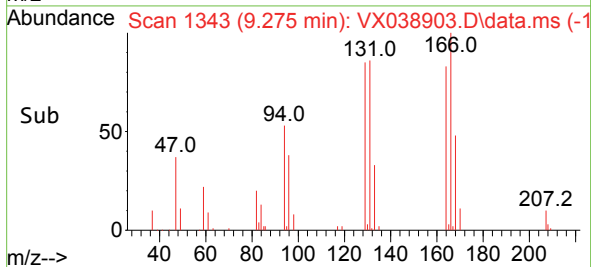
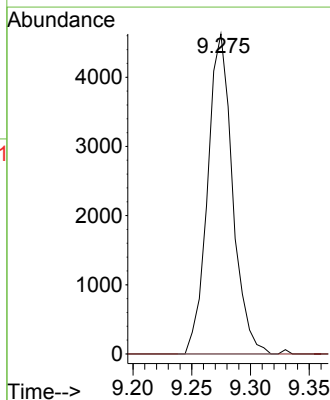
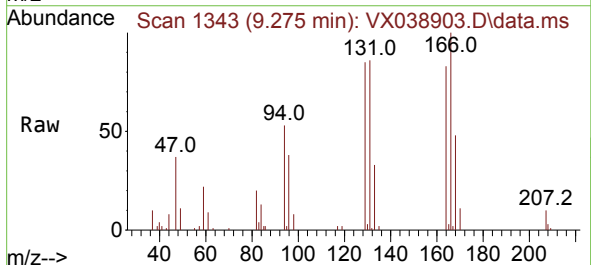
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D2-20231109

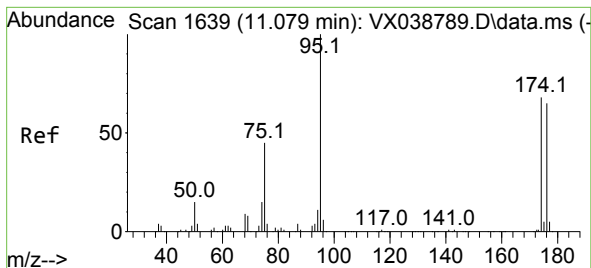
Tgt Ion: 97	Resp:	1921	
Ion	Ratio	Lower	Upper
97	100		
83	95.7	65.8	98.8
85	58.2	41.6	62.4
99	51.4	47.8	71.8



#60
 Dibromochloromethane
 Concen: 3.692 ug/l
 RT: 9.275 min Scan# 1343
 Delta R.T. -0.244 min
 Lab File: VX038903.D
 Acq: 18 Nov 2023 02:48

Tgt Ion:129	Resp:	6823	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.8	116.4#

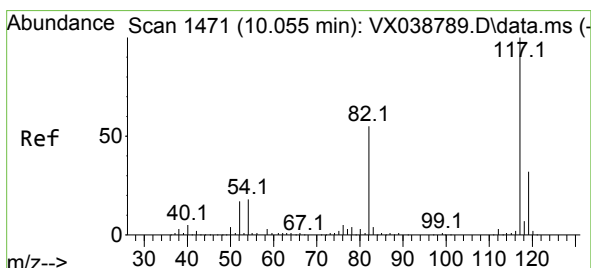
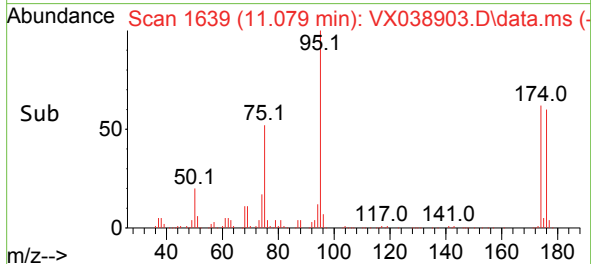
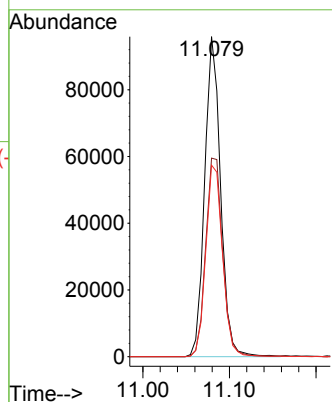
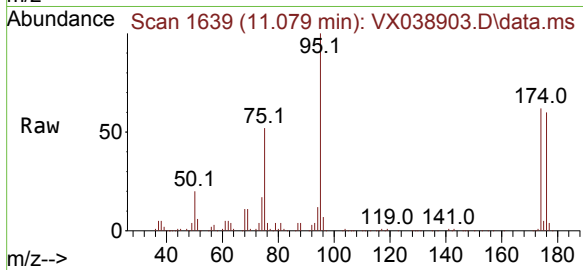




#62
4-Bromofluorobenzene
Concen: 48.239 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038903.D
Acq: 18 Nov 2023 02:48

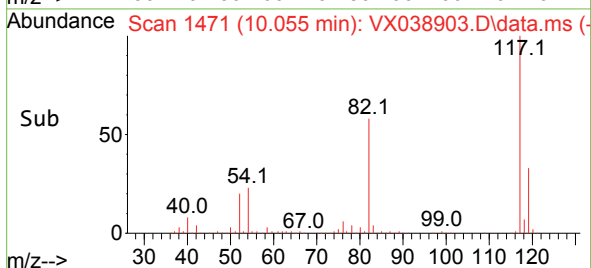
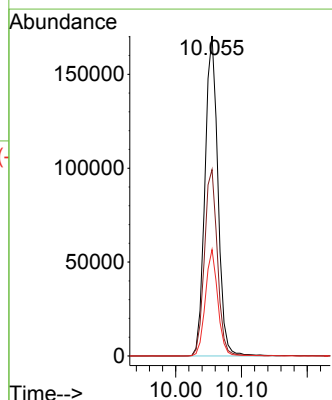
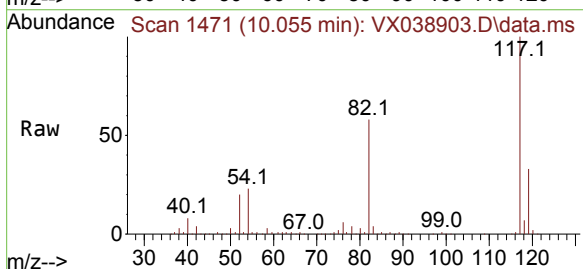
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20231109

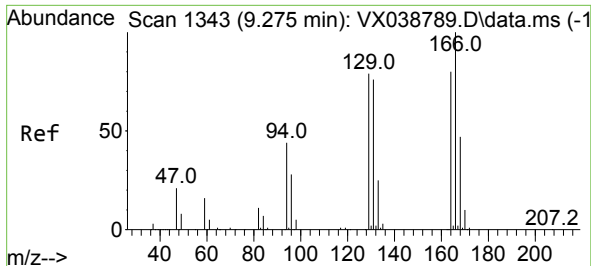
Tgt Ion: 95 Resp: 122332
Ion Ratio Lower Upper
95 100
174 66.6 0.0 135.6
176 63.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038903.D
Acq: 18 Nov 2023 02:48

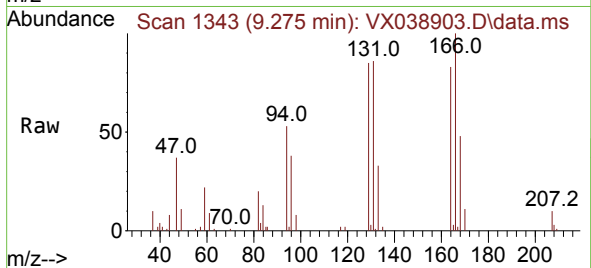
Tgt Ion: 117 Resp: 233726
Ion Ratio Lower Upper
117 100
82 58.3 46.2 69.4
119 33.3 25.5 38.3



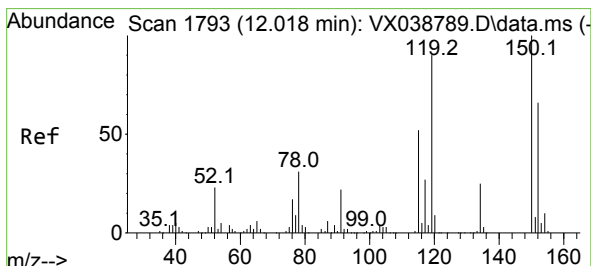
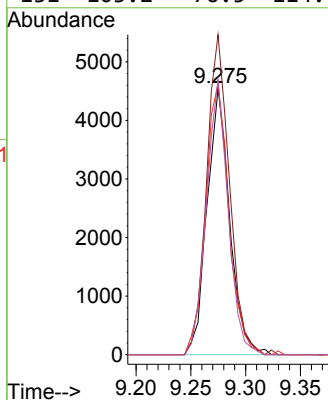
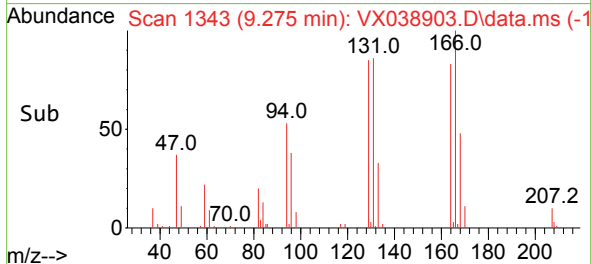


#64
Tetrachloroethene
Concen: 4.484 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038903.D
Acq: 18 Nov 2023 02:48

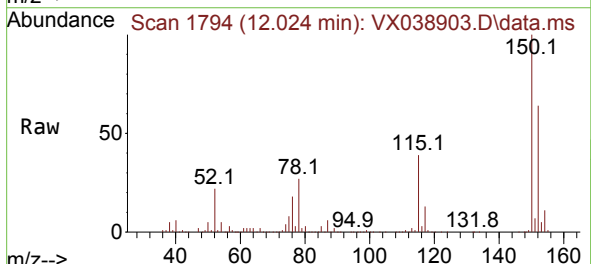
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20231109



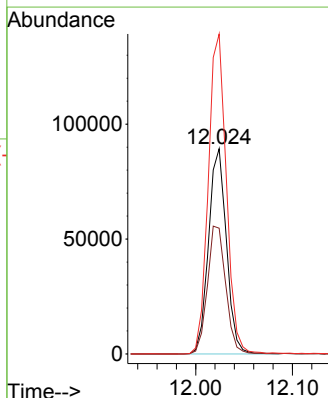
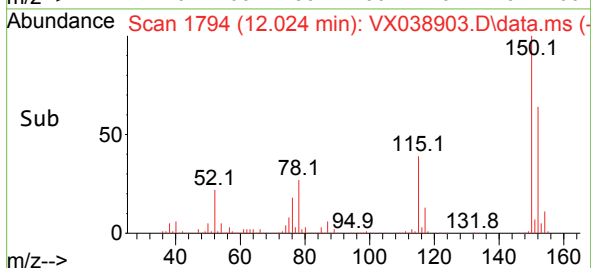
Tgt Ion:164 Resp: 6514
Ion Ratio Lower Upper
164 100
166 120.1 102.7 154.1
129 101.7 80.4 120.6
131 103.2 76.5 114.7

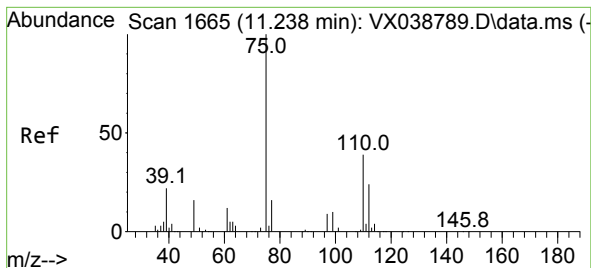


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038903.D
Acq: 18 Nov 2023 02:48



Tgt Ion:152 Resp: 115216
Ion Ratio Lower Upper
152 100
115 63.8 43.3 129.9
150 157.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.151 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038903.D

Acq: 18 Nov 2023 02:48

Instrument :

MSVOA_X

ClientSampleId :

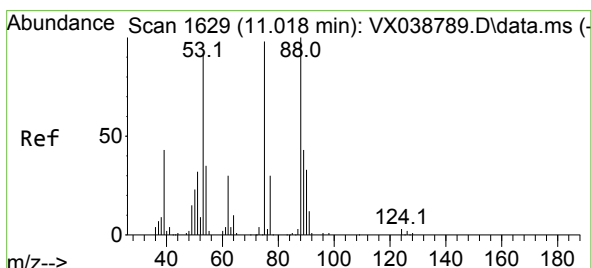
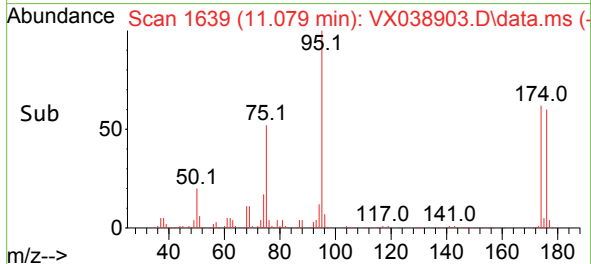
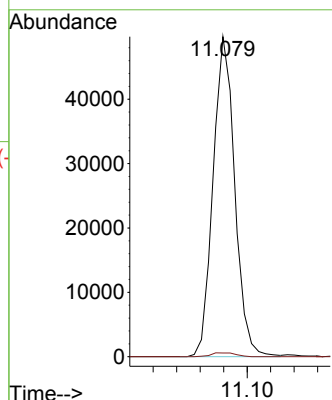
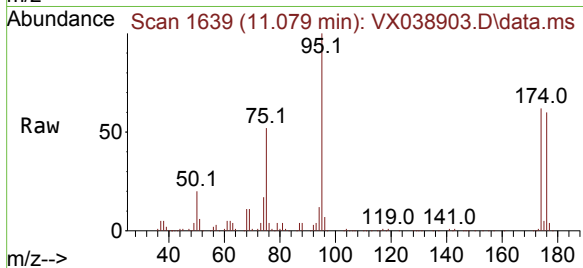
TT101D2-20231109

Tgt Ion: 75 Resp: 63677

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 49.134 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038903.D

Acq: 18 Nov 2023 02:48

Tgt Ion: 75 Resp: 63677

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

