

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032223\
 Data File : VX034671.D
 Acq On : 22 Mar 2023 14:48
 Operator : JC/MD
 Sample : 01941-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20230313

Quant Time: Mar 23 07:54:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

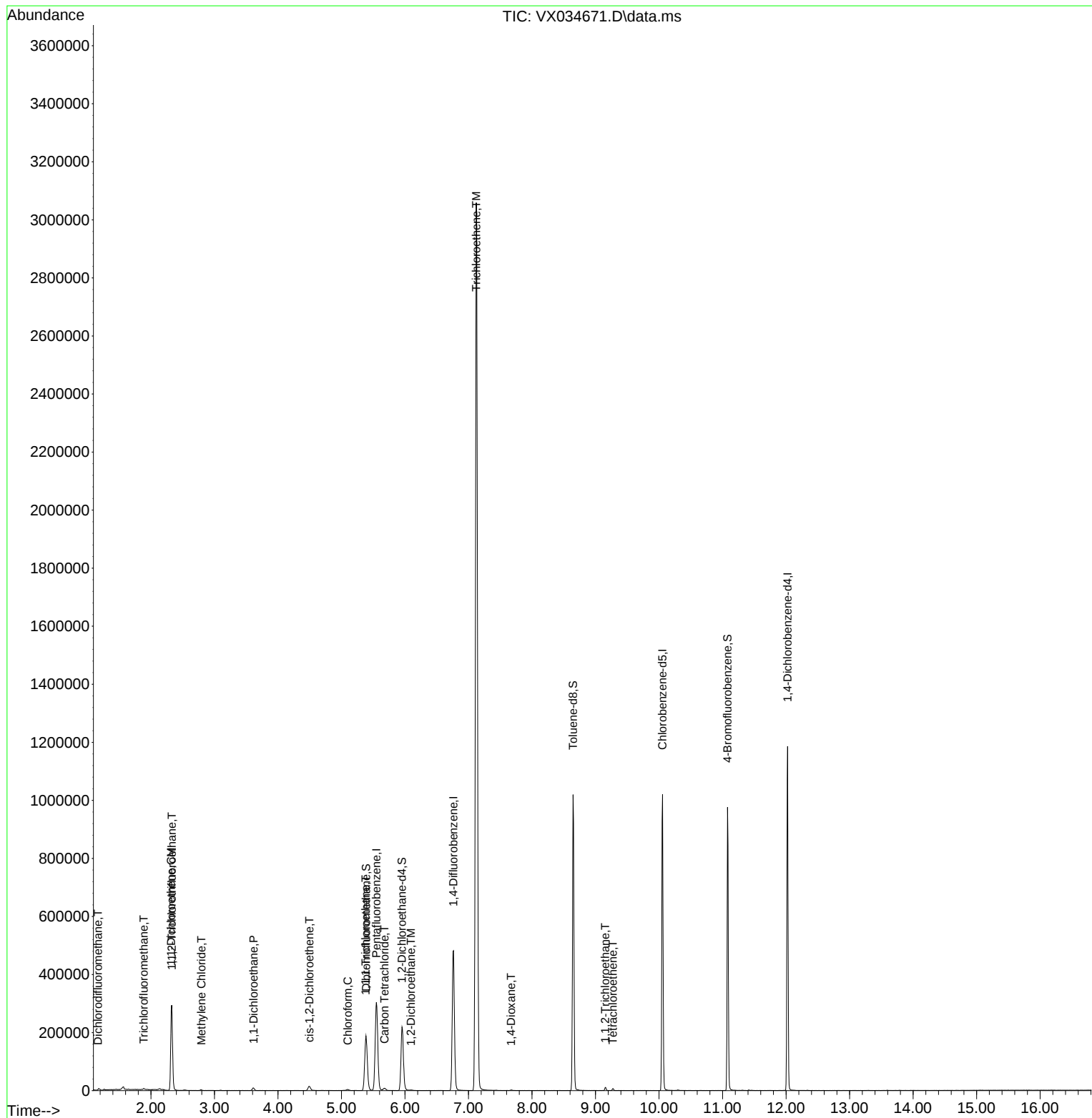
Internal Standards						
1) Pentafluorobenzene	5.550	168	288362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	488194	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	434103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	233388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	208396	49.676	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.360%		
35) Dibromofluoromethane	5.385	113	153510	47.625	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.260%		
50) Toluene-d8	8.647	98	580480	48.242	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.480%		
62) 4-Bromofluorobenzene	11.079	95	257199	52.918	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.840%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	860	0.320	ug/l	72
7) Trichlorofluoromethane	1.886	101	2106	0.383	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.331	101	71437	22.287	ug/l	99
12) 1,1-Dichloroethene	2.319	96	47139	14.933	ug/l	94
20) Methylene Chloride	2.794	84	1117	0.291	ug/l #	87
24) 1,1-Dichloroethane	3.617	63	9757	1.487	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	9452	2.342	ug/l	86
30) Chloroform	5.099	83	4236	0.659	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	7398	1.300	ug/l #	48
38) Carbon Tetrachloride	5.678	117	6648	1.350	ug/l #	89
42) 1,2-Dichloroethane	6.092	62	1901	0.357	ug/l	94
44) Trichloroethene	7.123	130	1150610	305.768	ug/l	99
49) 1,4-Dioxane	7.671	88	1550	16.746	ug/l #	85
55) 1,1,2-Trichloroethane	9.153	97	3162	0.889	ug/l #	86
64) Tetrachloroethene	9.275	164	1166	0.400	ug/l #	75

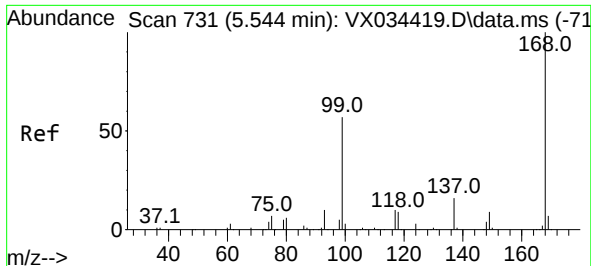
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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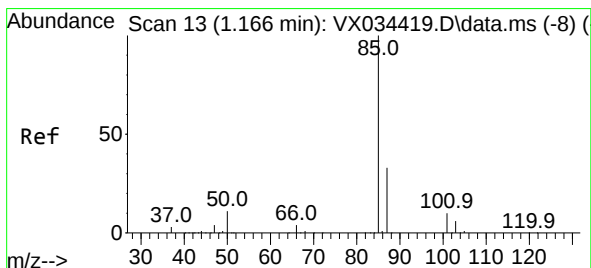
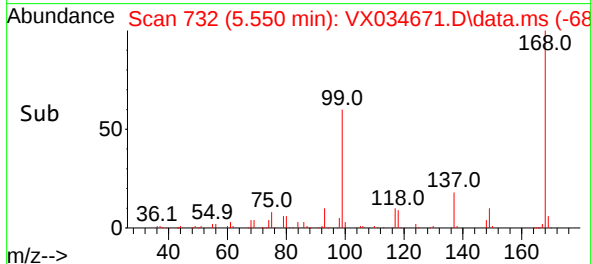
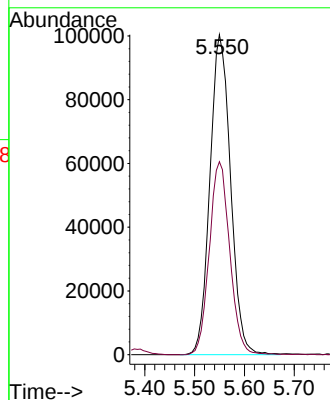
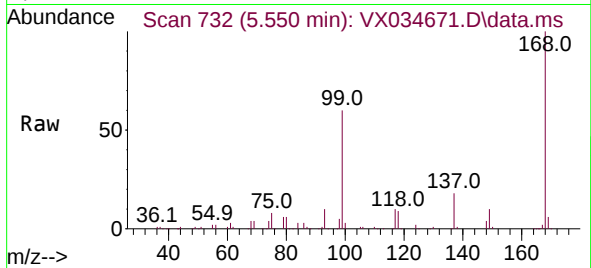




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

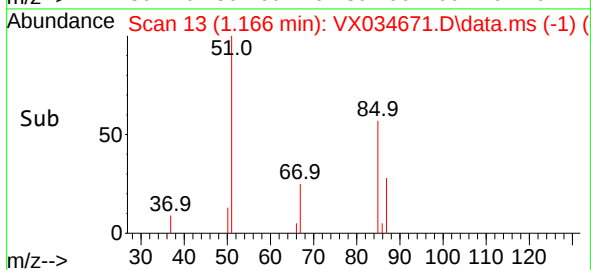
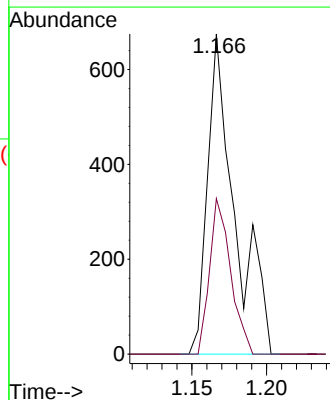
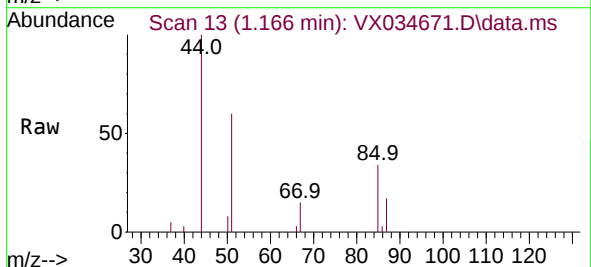
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230313

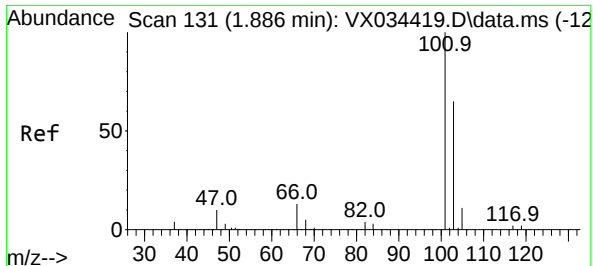
Tgt Ion:168 Resp: 288362
Ion Ratio Lower Upper
168 100
99 60.3 45.7 68.5



#2
Dichlorodifluoromethane
Concen: 0.320 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Tgt Ion: 85 Resp: 860
Ion Ratio Lower Upper
85 100
87 48.6 16.4 49.1

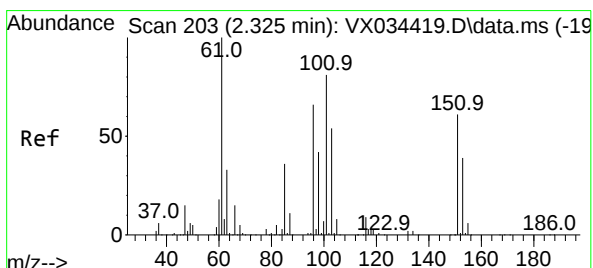
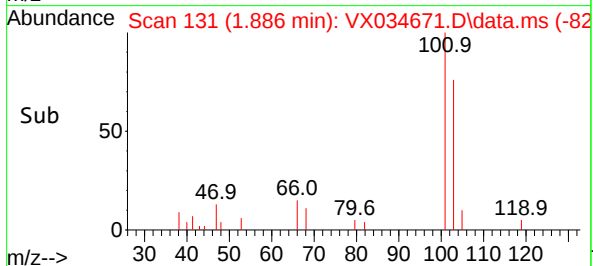
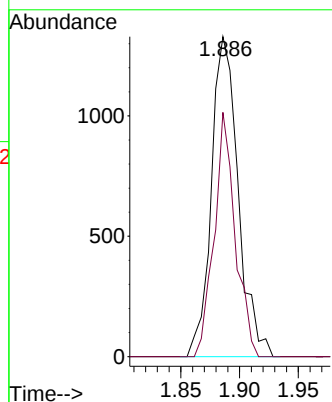
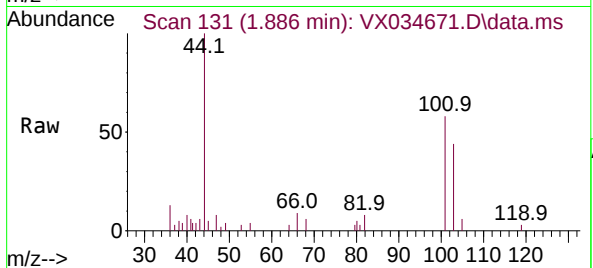




#7
Trichlorofluoromethane
Concen: 0.383 ug/l
RT: 1.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

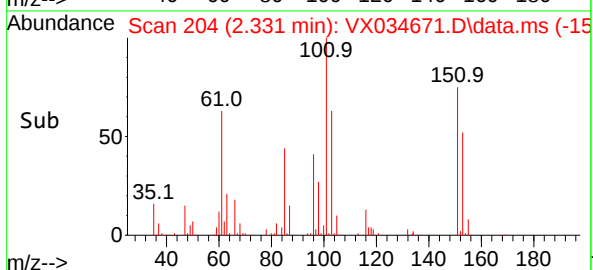
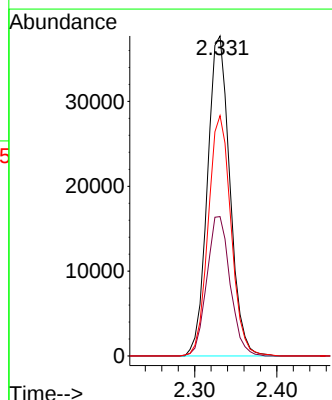
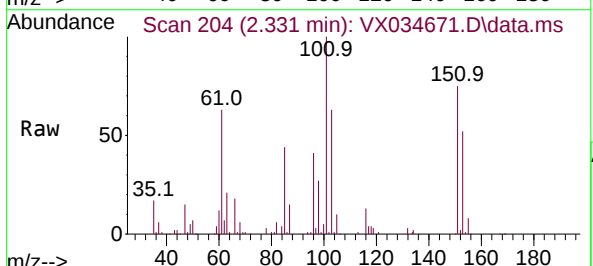
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230313

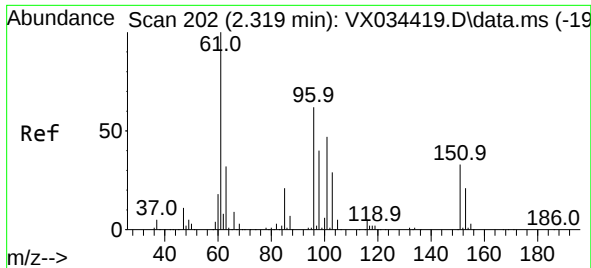
Tgt Ion:101 Resp: 2106
Ion Ratio Lower Upper
101 100
103 76.4 52.0 78.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.287 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Tgt Ion:101 Resp: 71437
Ion Ratio Lower Upper
101 100
85 45.3 35.4 53.2
151 76.2 60.2 90.4

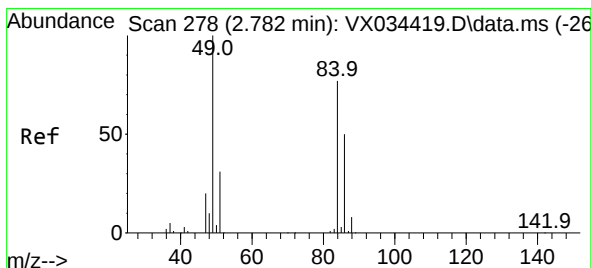
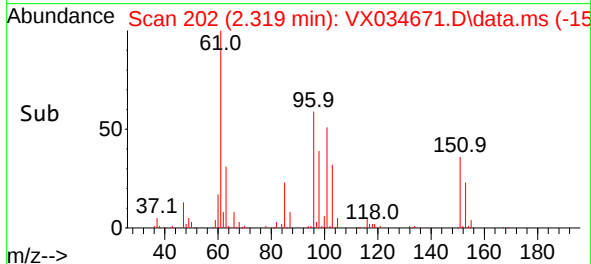
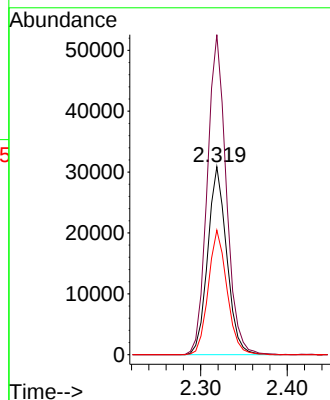
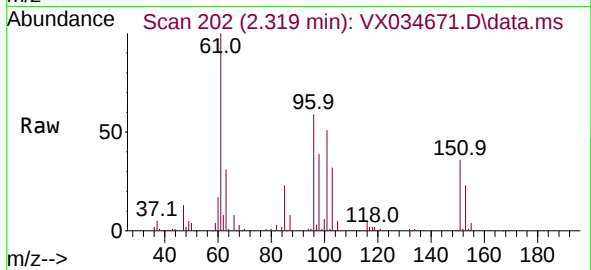




#12
1,1-Dichloroethene
Concen: 14.933 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

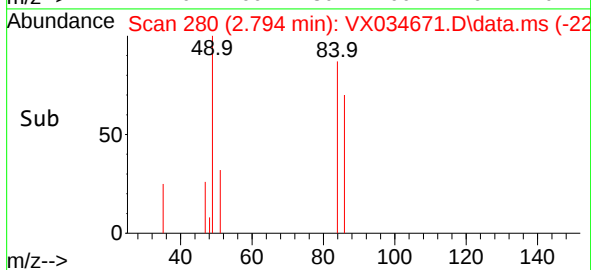
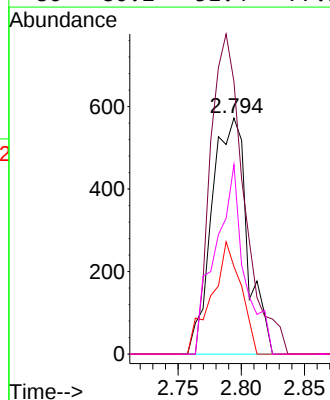
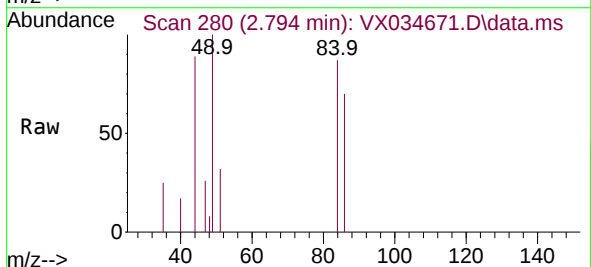
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230313

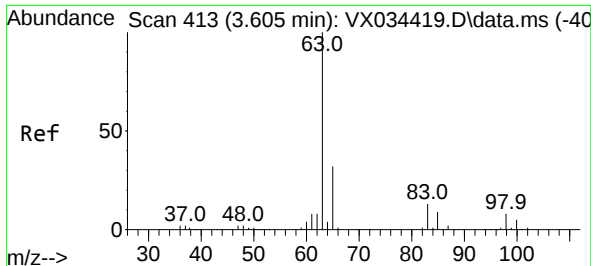
Tgt Ion: 96 Resp: 47139
Ion Ratio Lower Upper
96 100
61 170.3 128.8 193.2
98 66.2 51.4 77.0



#20
Methylene Chloride
Concen: 0.291 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.012 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Tgt Ion: 84 Resp: 1117
Ion Ratio Lower Upper
84 100
49 115.4 103.8 155.8
51 37.1 31.8 47.8
86 80.2 51.4 77.2#

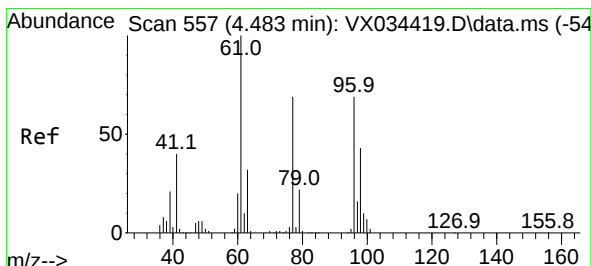
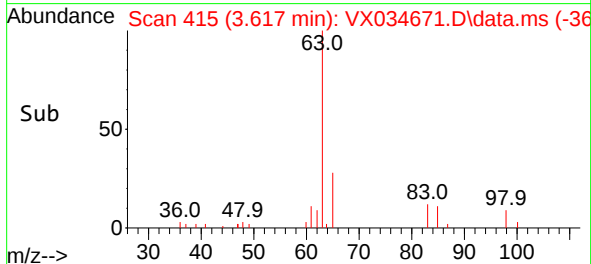
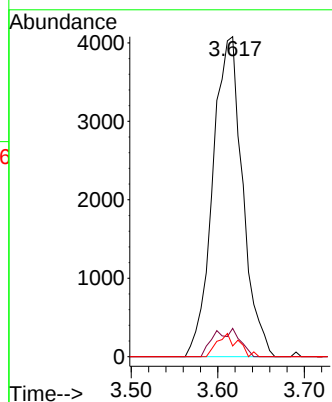
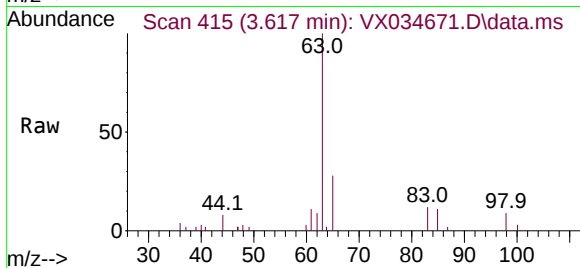




#24
1,1-Dichloroethane
Concen: 1.487 ug/l
RT: 3.617 min Scan# 413
Delta R.T. 0.012 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

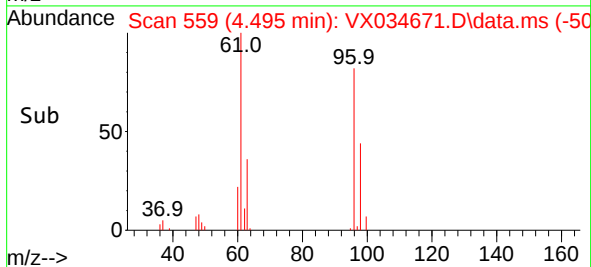
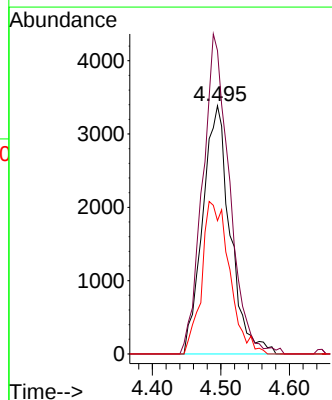
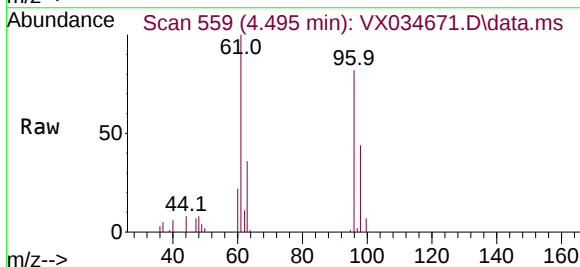
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230313

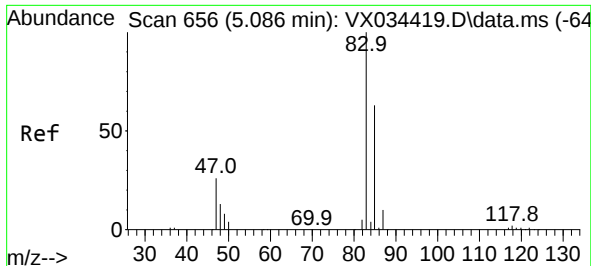
Tgt Ion: 63 Resp: 9757
Ion Ratio Lower Upper
63 100
98 8.9 3.8 11.2
100 3.4 2.4 7.1



#27
cis-1,2-Dichloroethene
Concen: 2.342 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Tgt Ion: 96 Resp: 9452
Ion Ratio Lower Upper
96 100
61 126.2 0.0 300.4
98 61.8 0.0 129.0

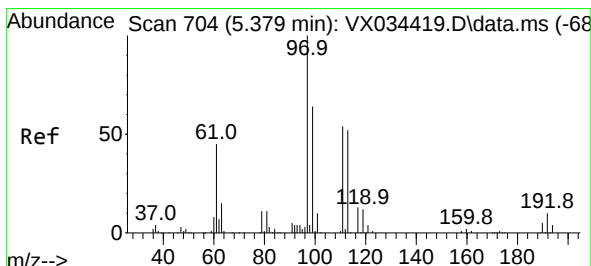
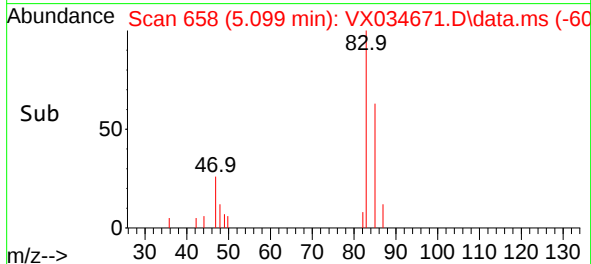
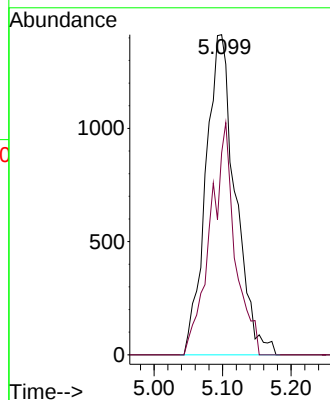
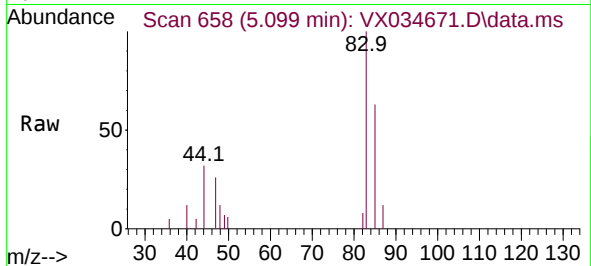




#30
Chloroform
Concen: 0.659 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

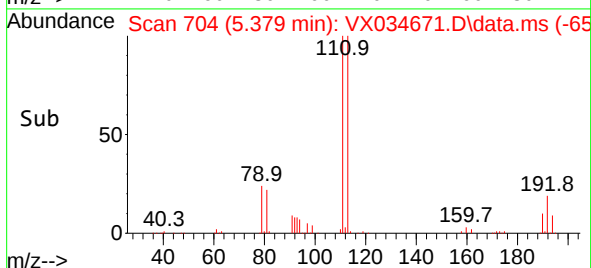
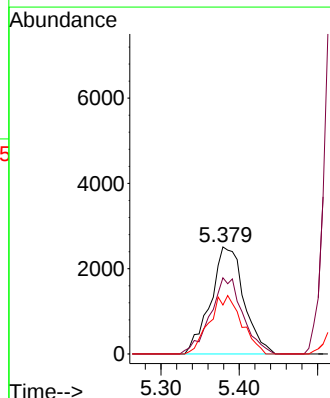
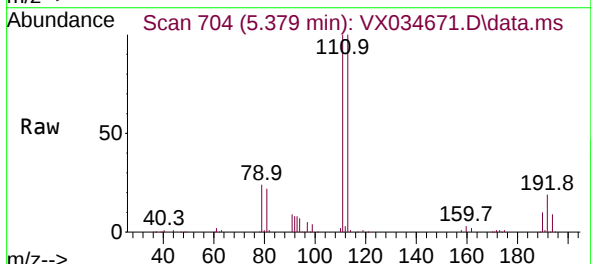
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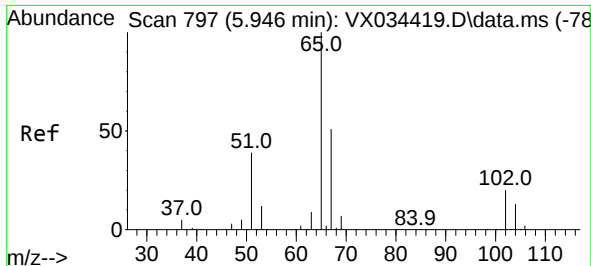
Tgt Ion: 83 Resp: 4236
Ion Ratio Lower Upper
83 100
85 63.1 50.6 76.0



#32
1,1,1-Trichloroethane
Concen: 1.300 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX034671.D
Acq: 22 Mar 2023 14:48

Tgt Ion: 97 Resp: 7398
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 52.9 36.5 54.7





#33

1,2-Dichloroethane-d4

Concen: 49.676 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX034671.D

Acq: 22 Mar 2023 14:48

Instrument :

MSVOA_X

ClientSampleId :

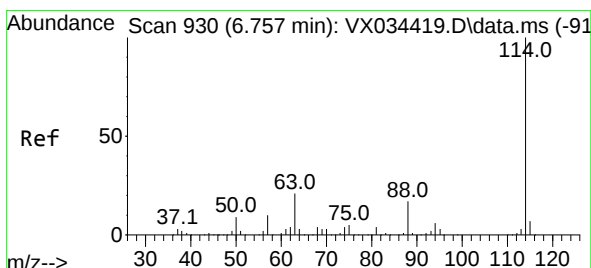
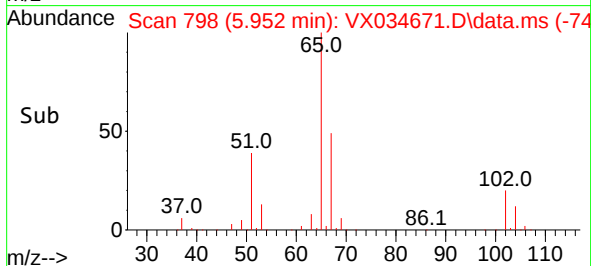
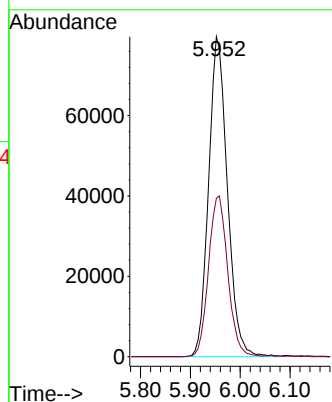
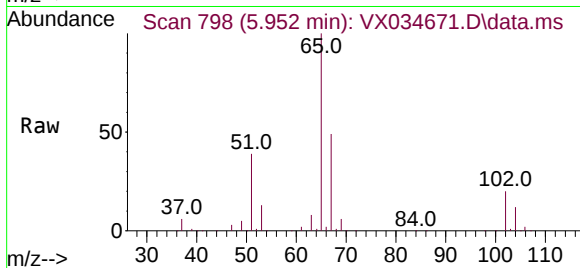
TT180D2-20230313

Tgt Ion: 65 Resp: 208396

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034671.D

Acq: 22 Mar 2023 14:48

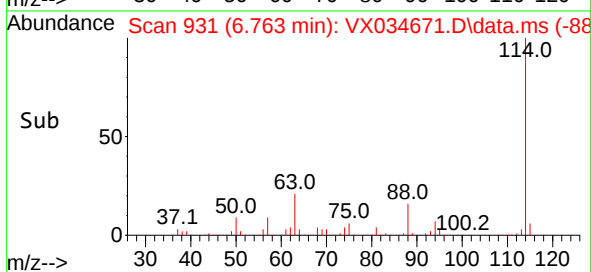
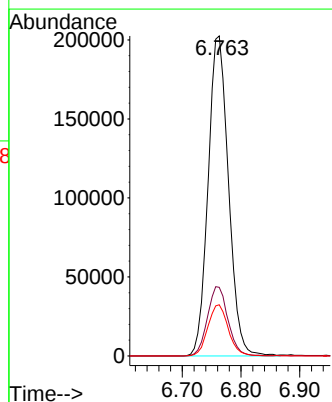
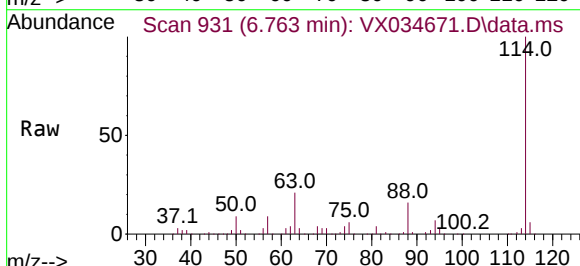
Tgt Ion: 114 Resp: 488194

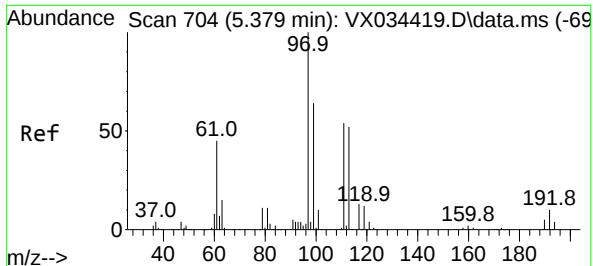
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.2

88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.625 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX034671.D

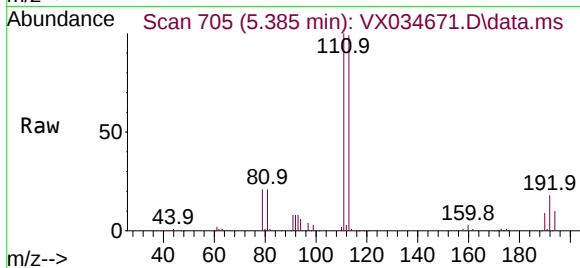
Acq: 22 Mar 2023 14:48

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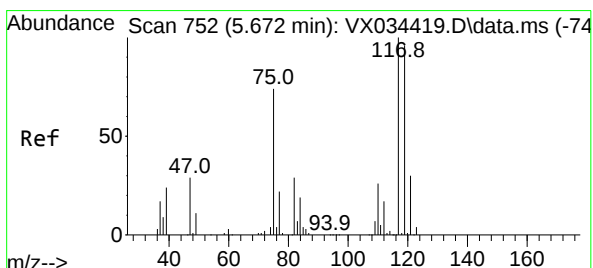
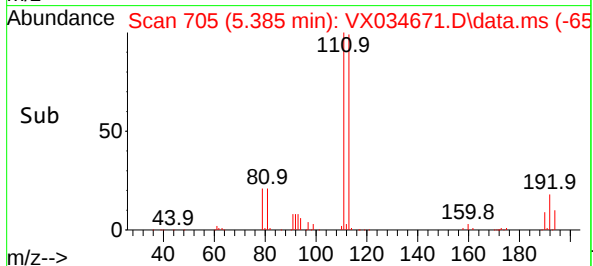
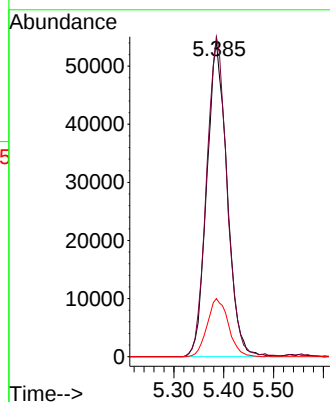
Tgt Ion:113 Resp: 153510

Ion Ratio Lower Upper

113 100

111 102.6 83.7 125.5

192 19.2 15.4 23.2



#38

Carbon Tetrachloride

Concen: 1.350 ug/l

RT: 5.678 min Scan# 753

Delta R.T. 0.006 min

Lab File: VX034671.D

Acq: 22 Mar 2023 14:48

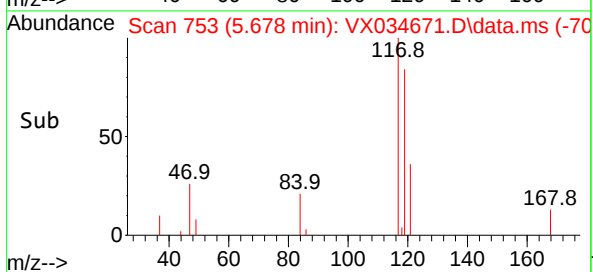
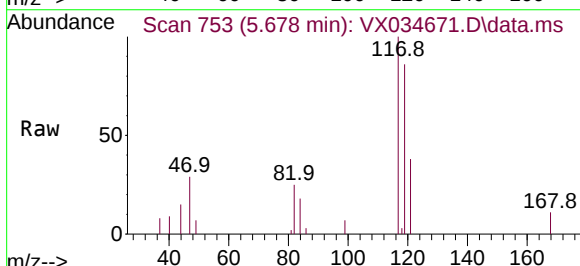
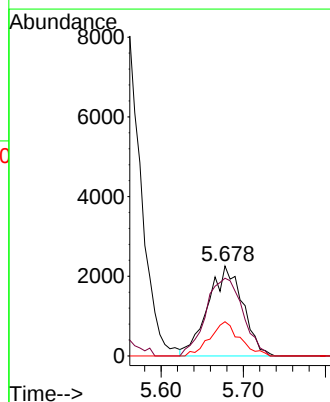
Tgt Ion:117 Resp: 6648

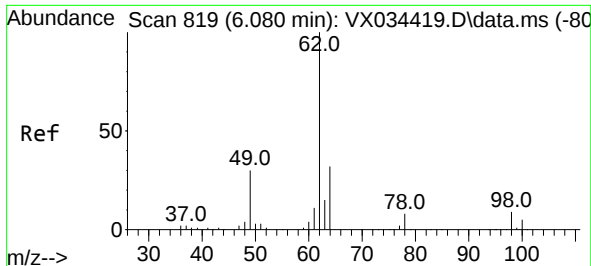
Ion Ratio Lower Upper

117 100

119 86.5 76.6 114.8

121 38.2 23.8 35.6#





#42

1,2-Dichloroethane

Concen: 0.357 ug/l

RT: 6.092 min Scan# 819

Delta R.T. 0.012 min

Lab File: VX034671.D

Acq: 22 Mar 2023 14:48

Instrument :

MSVOA_X

ClientSampleId :

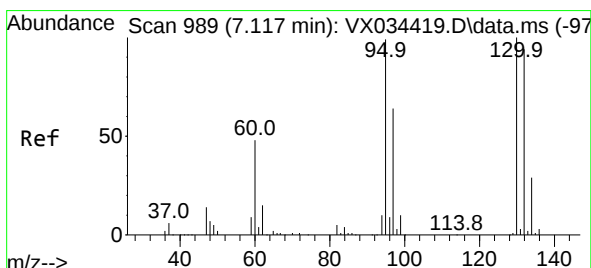
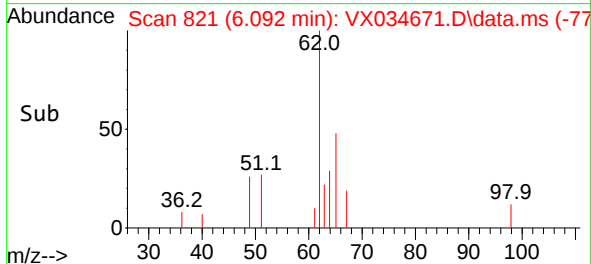
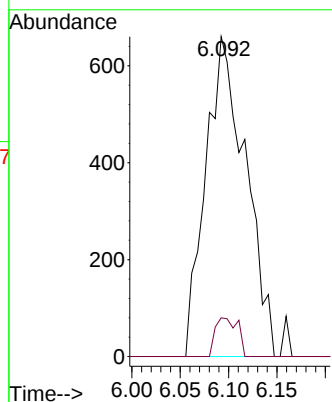
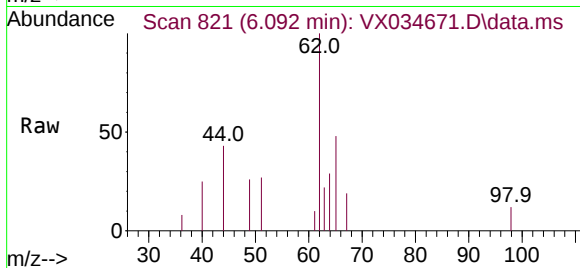
TT180D2-20230313

Tgt Ion: 62 Resp: 1901

Ion Ratio Lower Upper

62 100

98 6.8 0.0 18.0



#44

Trichloroethene

Concen: 305.768 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX034671.D

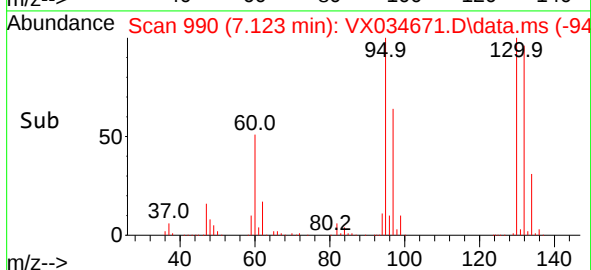
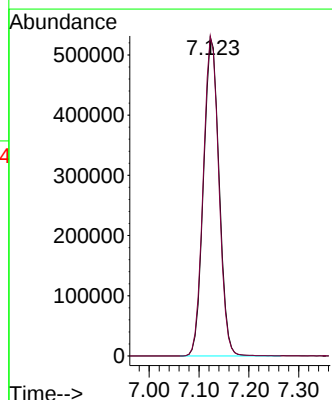
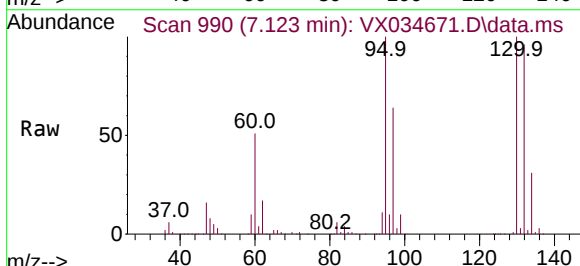
Acq: 22 Mar 2023 14:48

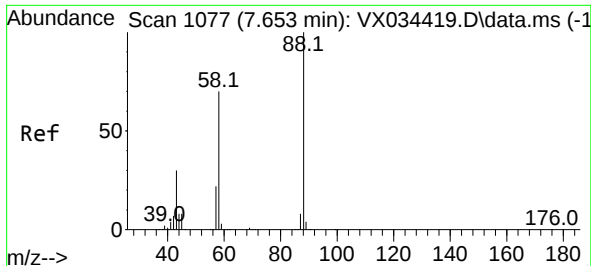
Tgt Ion:130 Resp: 1150610

Ion Ratio Lower Upper

130 100

95 100.4 0.0 198.4





#49

1,4-Dioxane

Concen: 16.746 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.018 min

Lab File: VX034671.D

Acq: 22 Mar 2023 14:48

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20230313

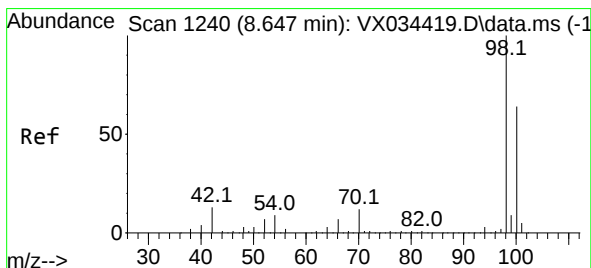
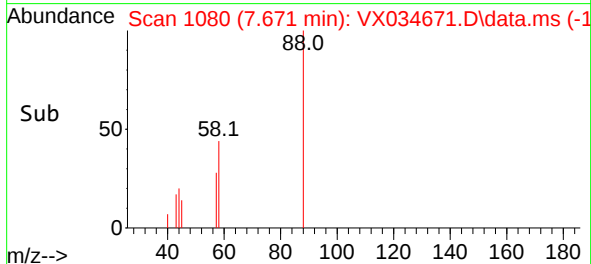
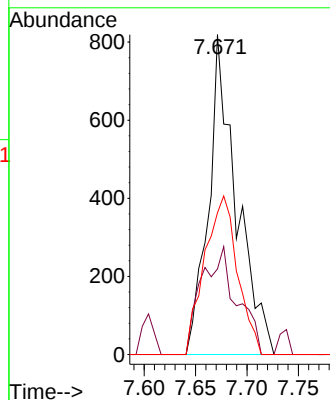
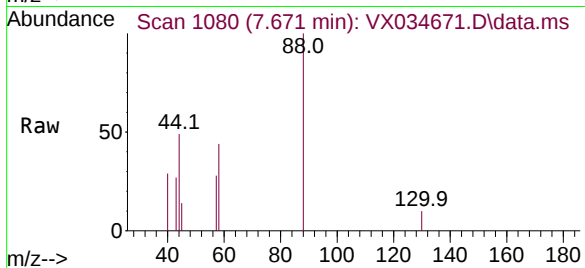
Tgt Ion: 88 Resp: 1550

Ion Ratio Lower Upper

88 100

43 42.6 27.7 41.5#

58 58.4 56.8 85.2



#50

Toluene-d8

Concen: 48.242 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034671.D

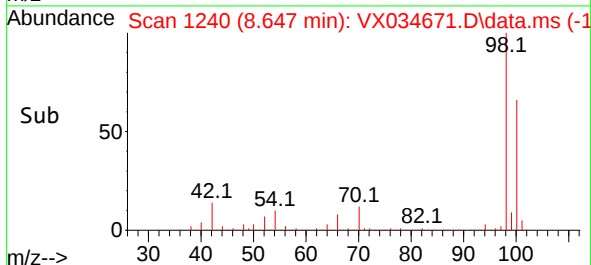
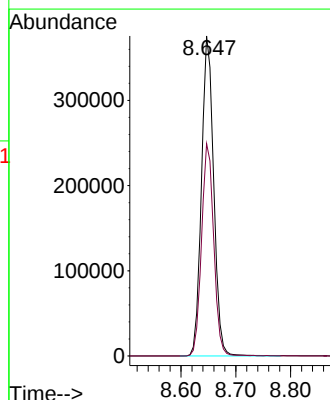
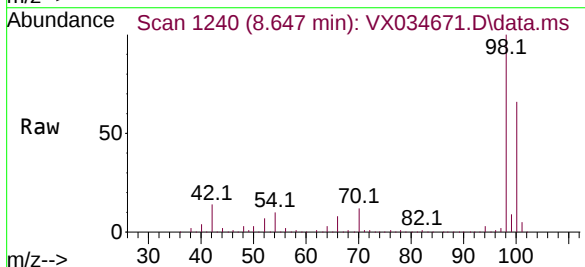
Acq: 22 Mar 2023 14:48

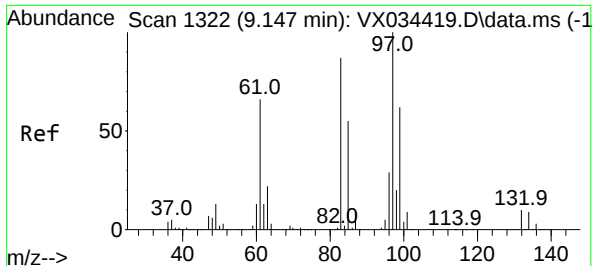
Tgt Ion: 98 Resp: 580480

Ion Ratio Lower Upper

98 100

100 66.3 52.5 78.7





#55

1,1,2-Trichloroethane

Concen: 0.889 ug/l

RT: 9.153 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX034671.D

Acq: 22 Mar 2023 14:48

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20230313

Tgt Ion: 97 Resp: 3162

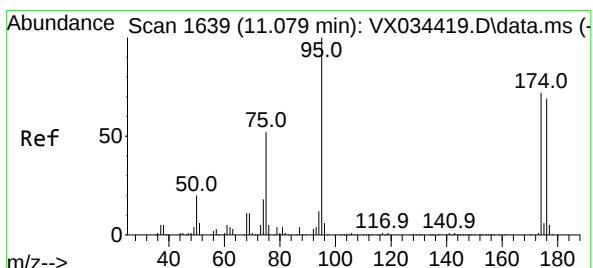
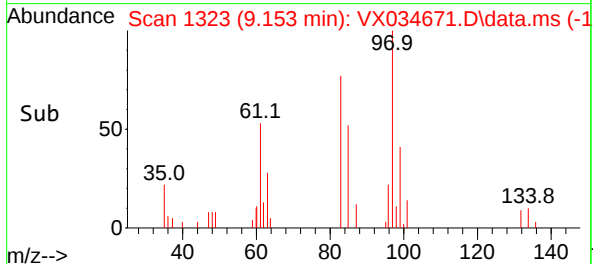
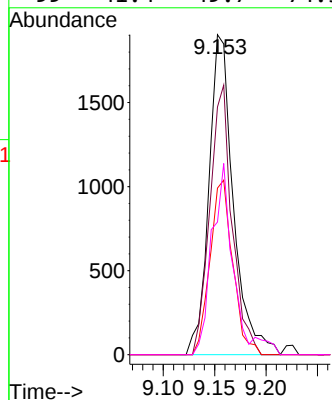
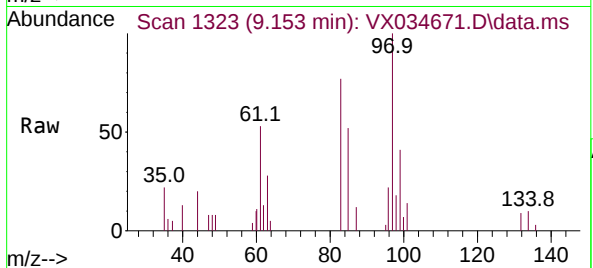
Ion Ratio Lower Upper

97 100

83 77.4 69.7 104.5

85 52.0 43.7 65.5

99 41.4 49.7 74.5#



#62

4-Bromofluorobenzene

Concen: 52.918 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX034671.D

Acq: 22 Mar 2023 14:48

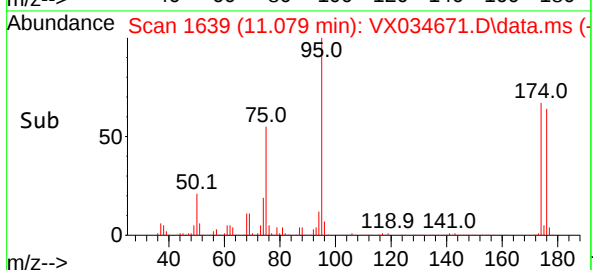
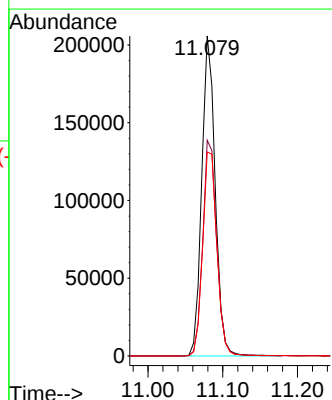
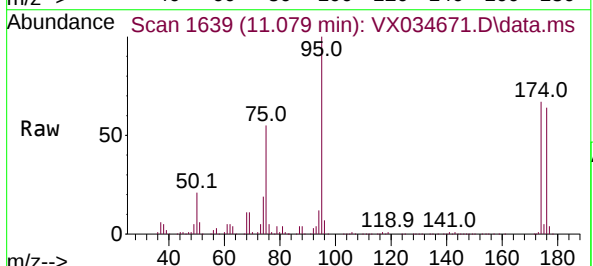
Tgt Ion: 95 Resp: 257199

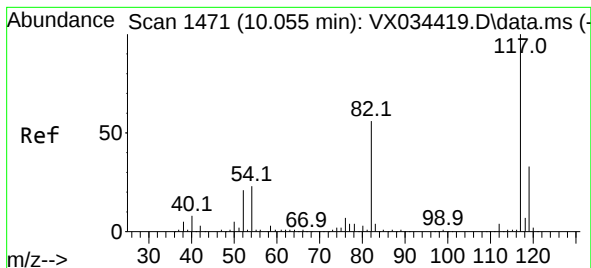
Ion Ratio Lower Upper

95 100

174 69.7 0.0 147.4

176 67.8 0.0 140.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX034671.D

Acq: 22 Mar 2023 14:48

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20230313

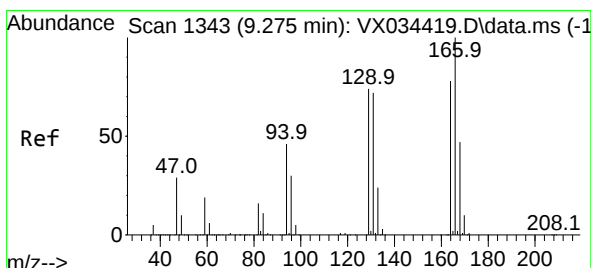
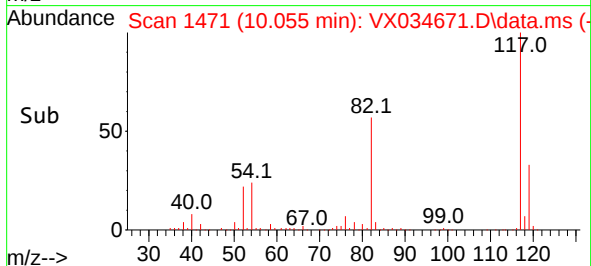
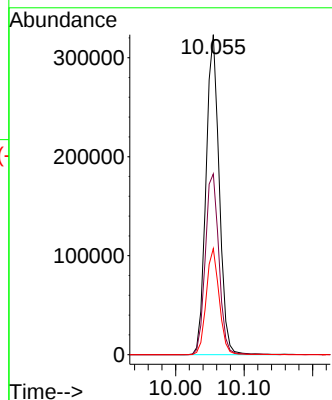
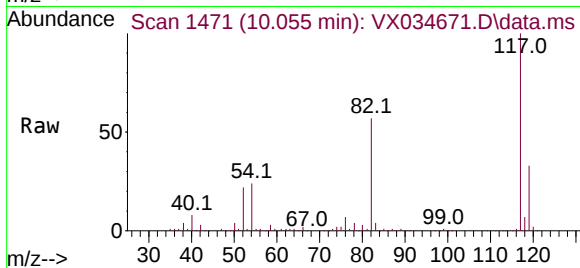
Tgt Ion:117 Resp: 434103

Ion Ratio Lower Upper

117 100

82 56.5 45.0 67.4

119 33.2 26.0 39.0



#64

Tetrachloroethene

Concen: 0.400 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX034671.D

Acq: 22 Mar 2023 14:48

Tgt Ion:164 Resp: 1166

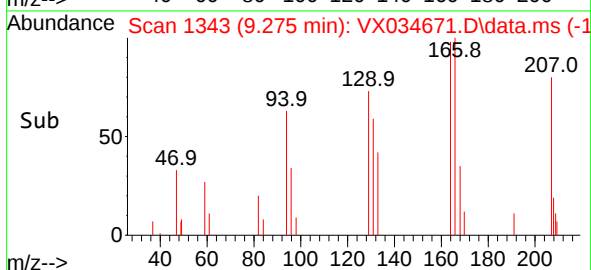
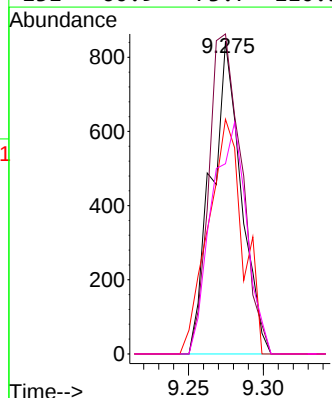
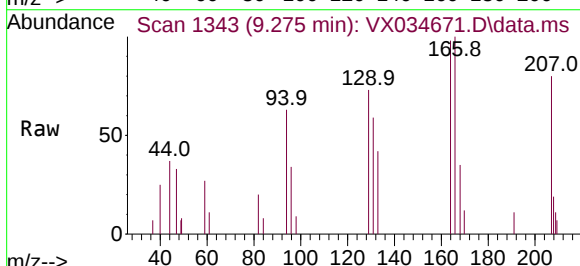
Ion Ratio Lower Upper

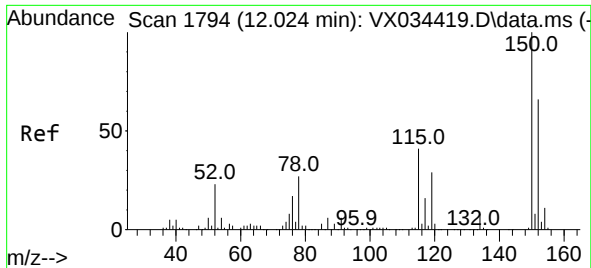
164 100

166 102.4 102.7 154.1#

129 75.1 75.6 113.4#

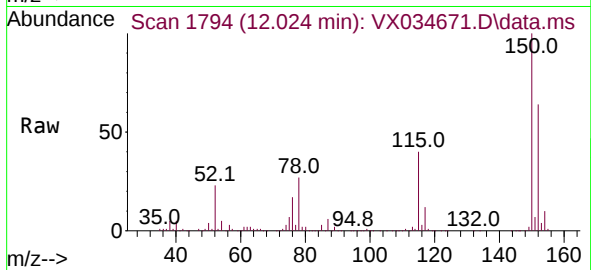
131 60.9 73.7 110.5#





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034671.D
 Acq: 22 Mar 2023 14:48

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20230313



Tgt Ion:152 Resp: 233388
 Ion Ratio Lower Upper
 152 100
 115 64.5 45.0 135.0
 150 158.5 0.0 352.4

