

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032125\
 Data File : VX045380.D
 Acq On : 21 Mar 2025 12:08
 Operator : JC/MD
 Sample : Q1582-02 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20250313DL

Quant Time: Mar 21 23:13:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

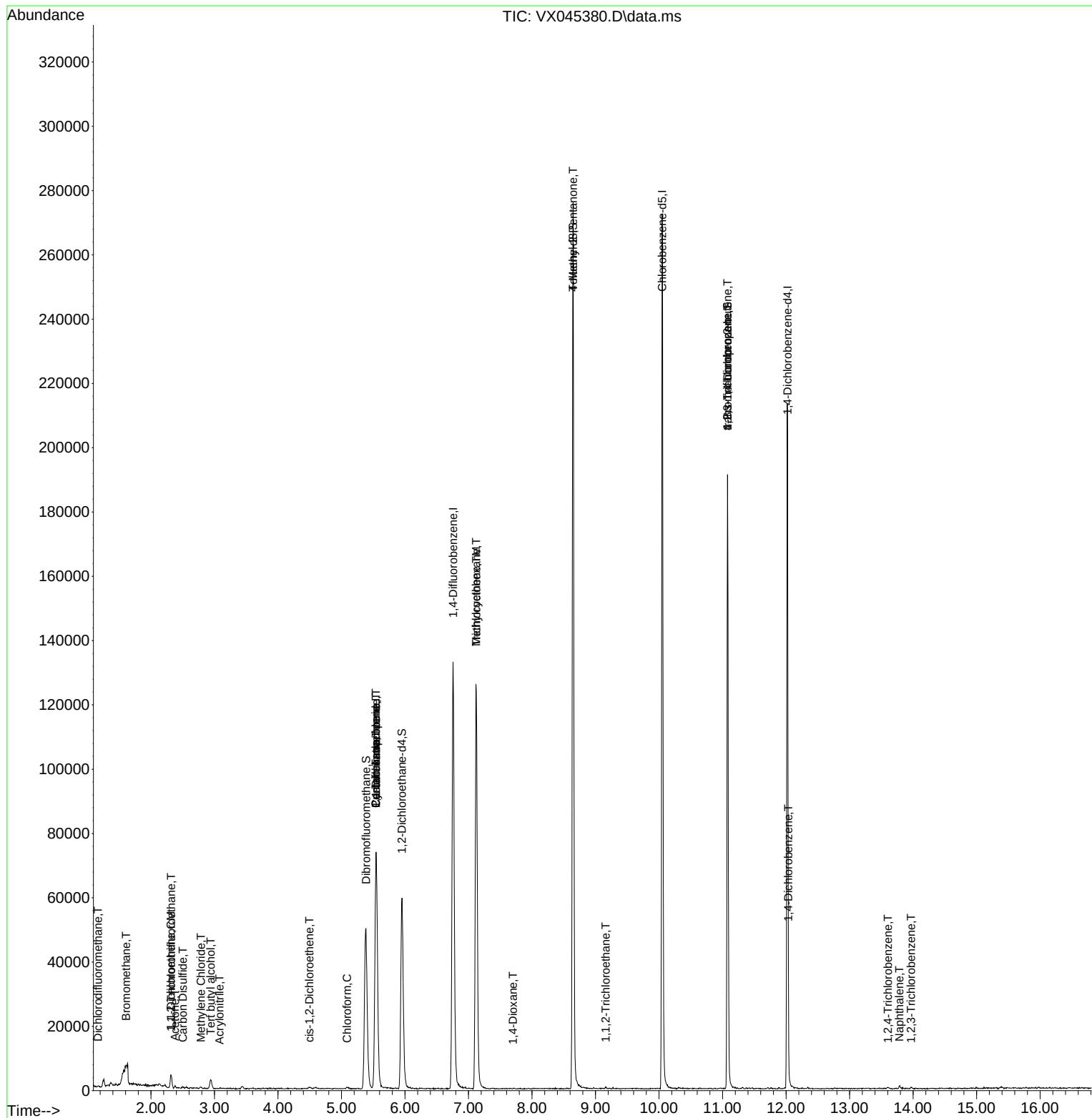
Internal Standards						
1) Pentafluorobenzene	5.544	168	65215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127269	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	114057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58267	56.170	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.340%			
35) Dibromofluoromethane	5.385	113	44130	51.856	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.720%			
50) Toluene-d8	8.647	98	157050	50.904	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.800%			
62) 4-Bromofluorobenzene	11.079	95	49720	48.633	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	212	0.258	ug/l #	40
5) Bromomethane	1.605	94	173	0.442	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.319	101	1161	1.532	ug/l	96
11) Tert butyl alcohol	2.941	59	1754	8.927	ug/l #	73
12) 1,1-Dichloroethene	2.313	96	580	0.724	ug/l	92
15) Acrylonitrile	3.081	53	134	0.254	ug/l #	58
16) Acetone	2.380	43	592	1.230	ug/l	100
17) Carbon Disulfide	2.502	76	614	0.288	ug/l #	77
20) Methylene Chloride	2.788	84	191	0.200	ug/l #	42
27) cis-1,2-Dichloroethene	4.495	96	308	0.315	ug/l	75
30) Chloroform	5.087	83	623	0.386	ug/l	90
31) Cyclohexane	5.544	56	1971	1.397	ug/l #	44
36) 1,1-Dichloropropene	5.544	75	6101	5.228	ug/l #	50
38) Carbon Tetrachloride	5.544	117	7198	6.075	ug/l #	17
39) Methylcyclohexane	7.123	83	625	0.447	ug/l #	8
44) Trichloroethene	7.123	130	46763	54.039	ug/l	98
49) 1,4-Dioxane	7.702	88	42	1.785	ug/l #	23
51) 4-Methyl-2-Pentanone	8.647	43	901	0.603	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	208	0.234	ug/l #	71
76) 1,2,3-Trichloropropane	11.079	75	28970	30.276	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	28970	103.610	ug/l #	6
88) 1,4-Dichlorobenzene	12.036	146	307	0.225	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.603	180	243	0.315	ug/l #	73
95) Naphthalene	13.786	128	1117	0.377	ug/l #	78
96) 1,2,3-Trichlorobenzene	13.969	180	286	0.351	ug/l #	80

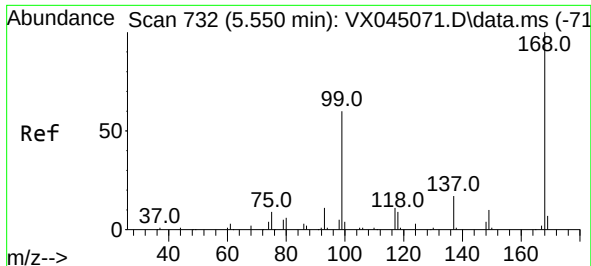
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
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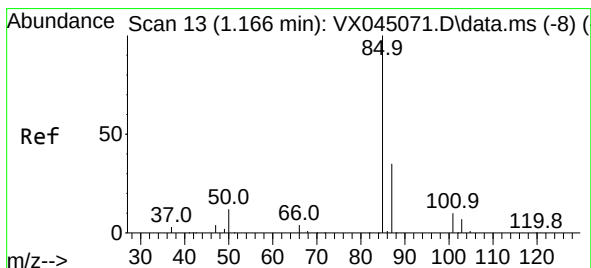
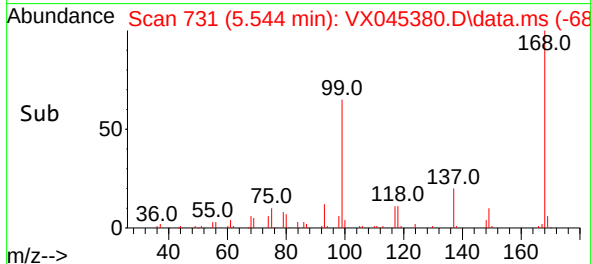
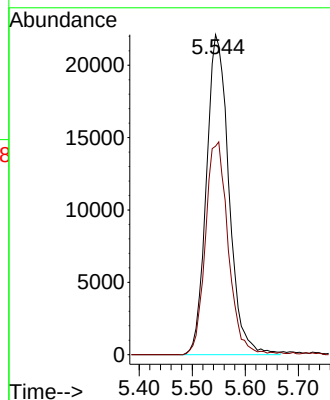
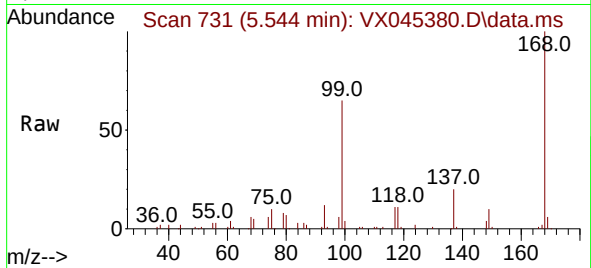




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

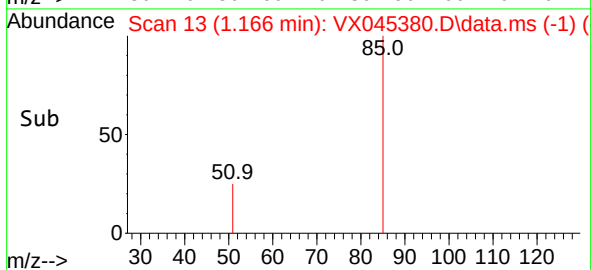
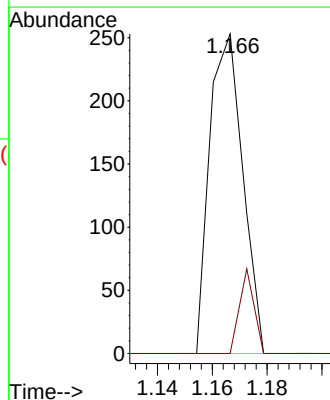
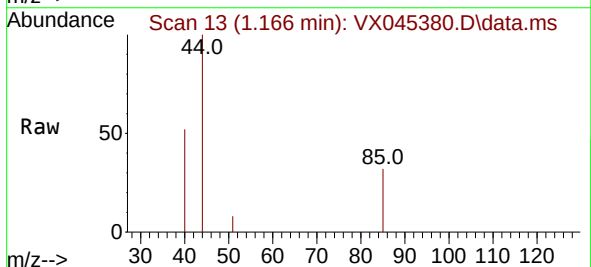
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

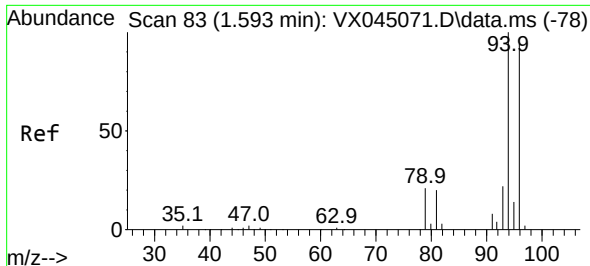
Tgt Ion:168 Resp: 65215
Ion Ratio Lower Upper
168 100
99 65.1 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.258 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Tgt Ion: 85 Resp: 212
Ion Ratio Lower Upper
85 100
87 0.0 17.4 52.3#

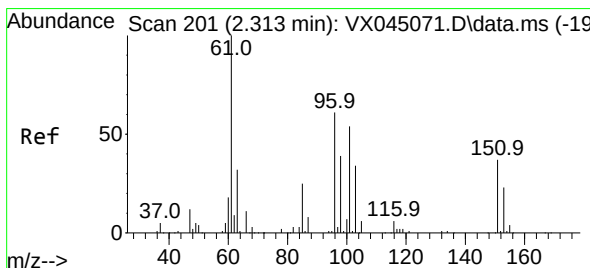
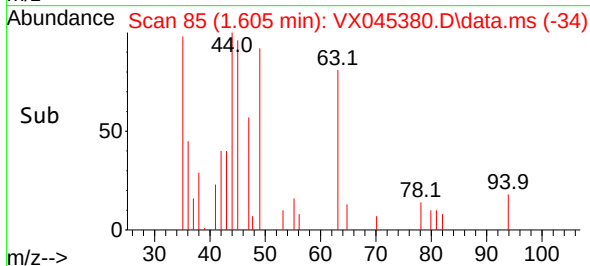
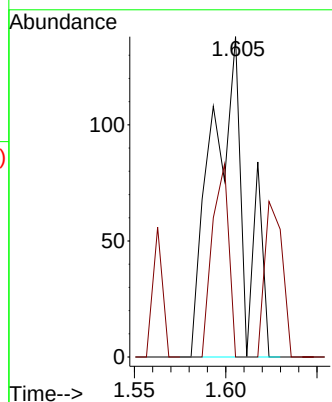
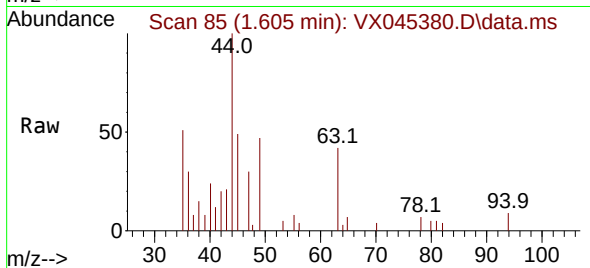




#5
Bromomethane
Concen: 0.442 ug/l
RT: 1.605 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

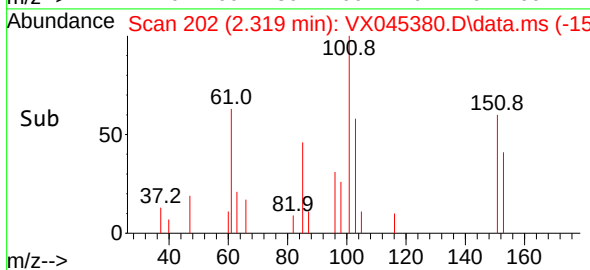
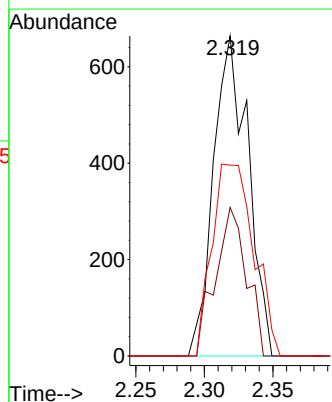
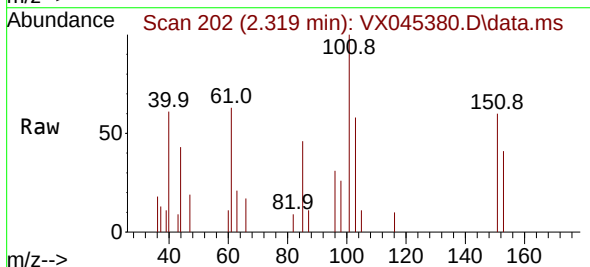
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

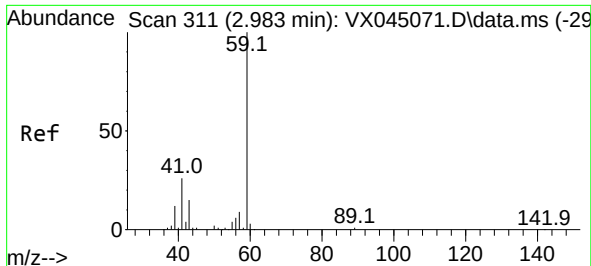
Tgt Ion: 94 Resp: 173
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.532 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Tgt Ion: 101 Resp: 1161
Ion Ratio Lower Upper
101 100
85 42.1 36.2 54.4
151 73.0 56.4 84.6

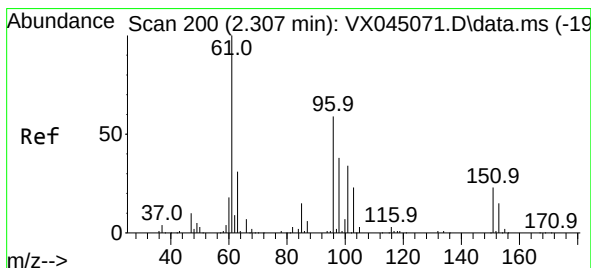
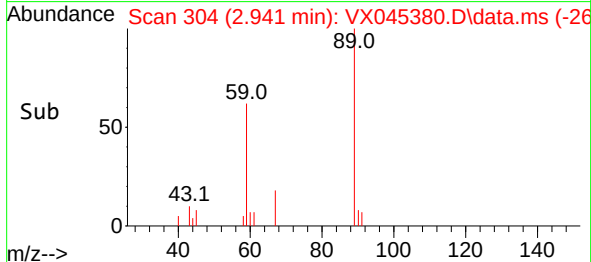
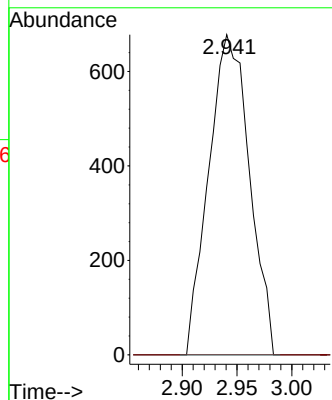
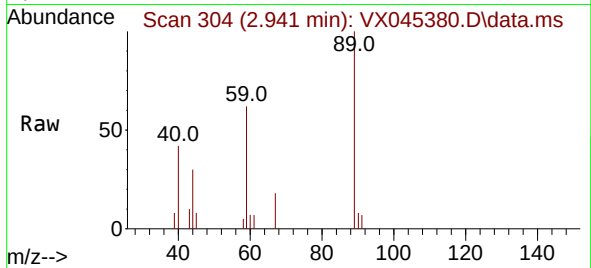




#11
Tert butyl alcohol
Concen: 8.927 ug/l
RT: 2.941 min Scan# 30
Delta R.T. -0.043 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

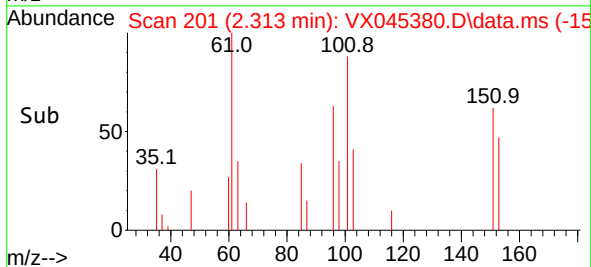
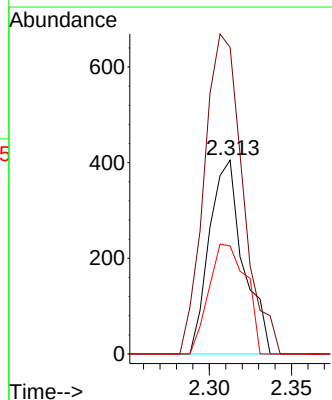
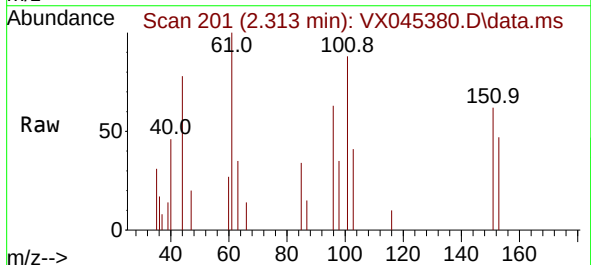
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

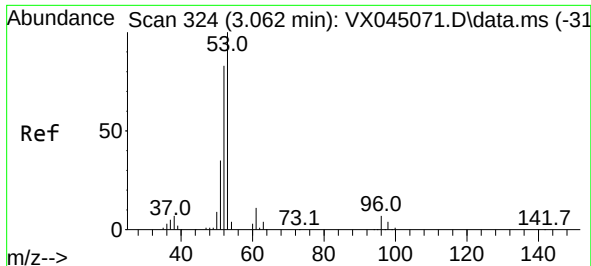
Tgt Ion: 59 Resp: 1754
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.724 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Tgt Ion: 96 Resp: 580
Ion Ratio Lower Upper
96 100
61 158.3 134.6 202.0
98 55.8 51.0 76.6





#15

Acrylonitrile

Concen: 0.254 ug/l

RT: 3.081 min Scan# 31

Delta R.T. 0.018 min

Lab File: VX045380.D

Acq: 21 Mar 2025 12:08

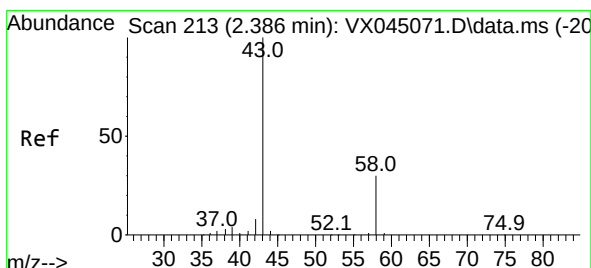
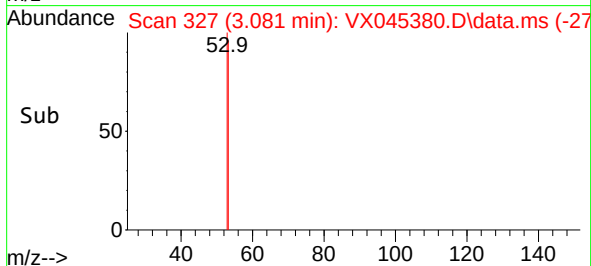
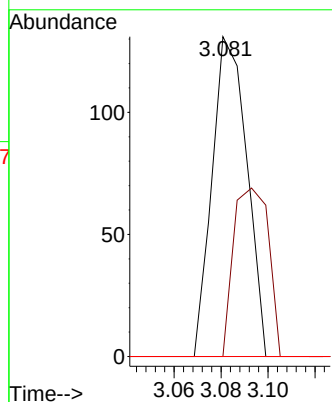
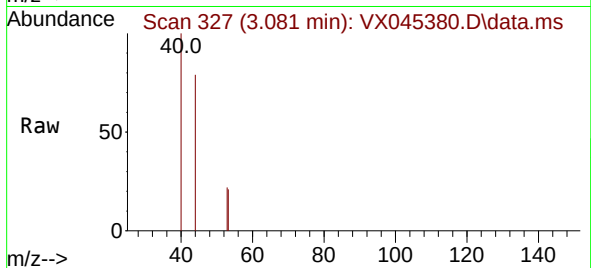
Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20250313DL

Tgt Ion:	53	Resp:	134
Ion	Ratio	Lower	Upper
53	100		
52	53.0	66.2	99.2#
51	0.0	29.0	43.4#



#16

Acetone

Concen: 1.230 ug/l

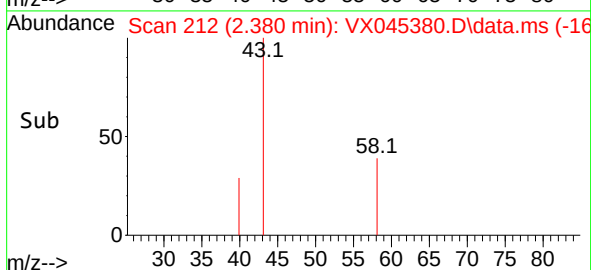
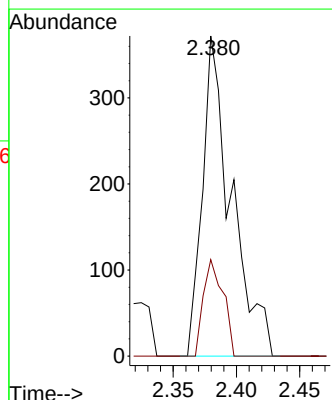
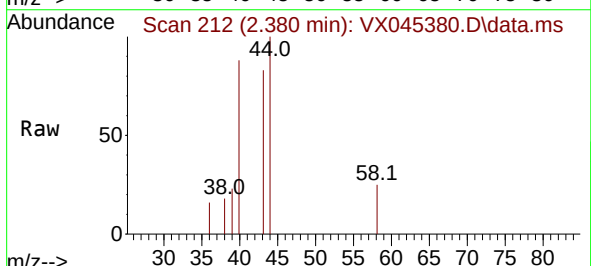
RT: 2.380 min Scan# 212

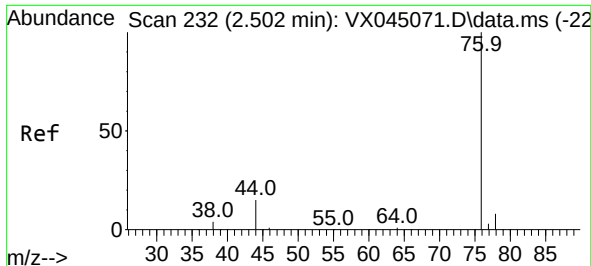
Delta R.T. -0.006 min

Lab File: VX045380.D

Acq: 21 Mar 2025 12:08

Tgt Ion:	43	Resp:	592
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.2	36.4





#17

Carbon Disulfide

Concen: 0.288 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX045380.D

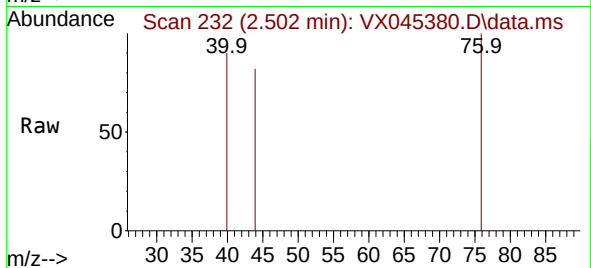
Acq: 21 Mar 2025 12:08

Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20250313DL

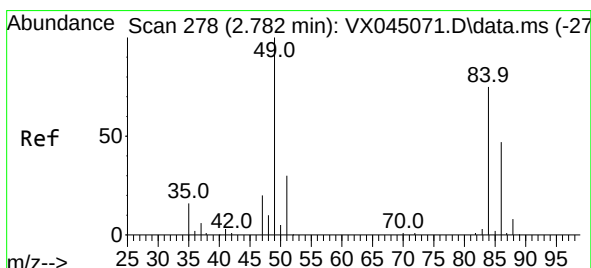
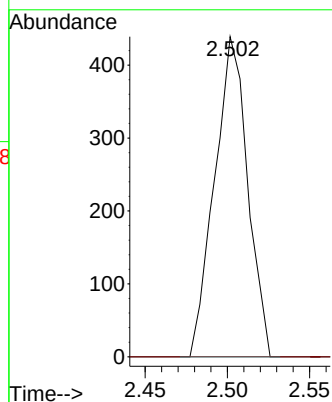


Tgt Ion: 76 Resp: 614

Ion Ratio Lower Upper

76 100

78 0.0 6.6 9.8#



#20

Methylene Chloride

Concen: 0.200 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX045380.D

Acq: 21 Mar 2025 12:08

Tgt Ion: 84 Resp: 191

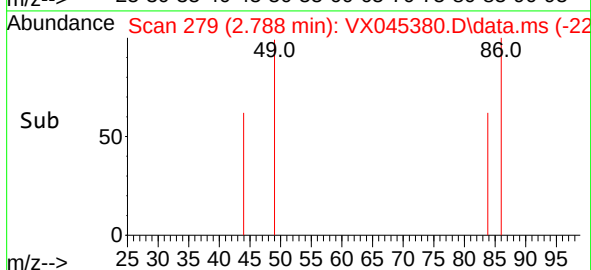
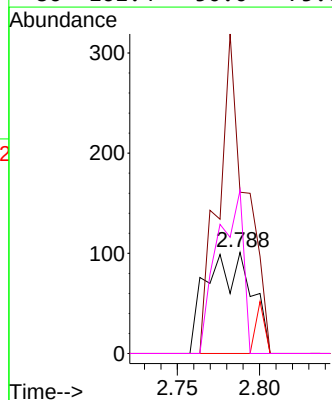
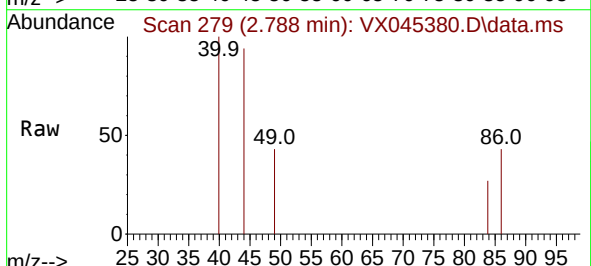
Ion Ratio Lower Upper

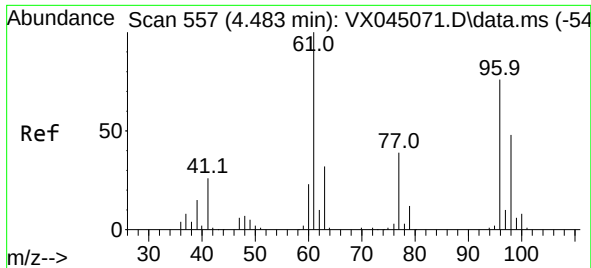
84 100

49 159.4 106.5 159.7

51 0.0 32.1 48.1#

86 161.4 50.0 75.0#





#27

cis-1,2-Dichloroethene

Concen: 0.315 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX045380.D

Acq: 21 Mar 2025 12:08

Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20250313DL

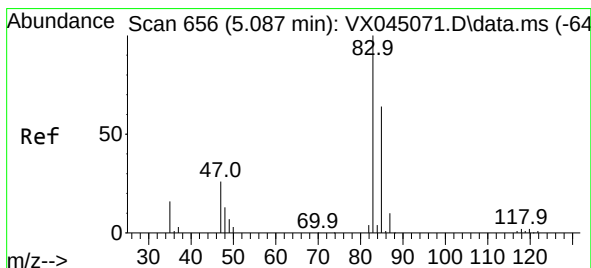
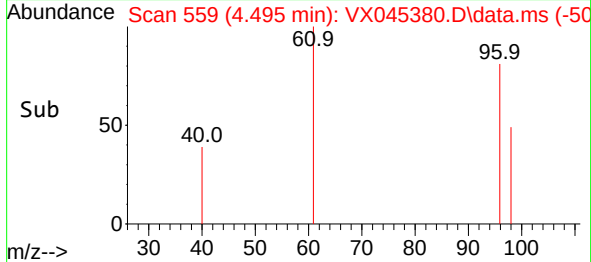
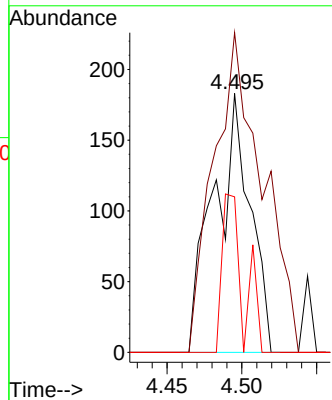
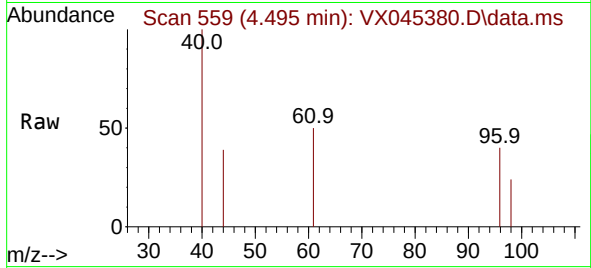
Tgt Ion: 96 Resp: 308

Ion Ratio Lower Upper

96 100

61 165.6 0.0 283.2

98 35.4 0.0 128.0



#30

Chloroform

Concen: 0.386 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX045380.D

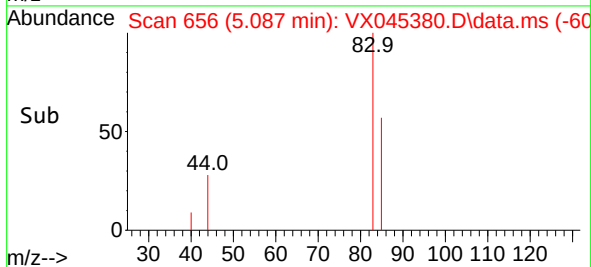
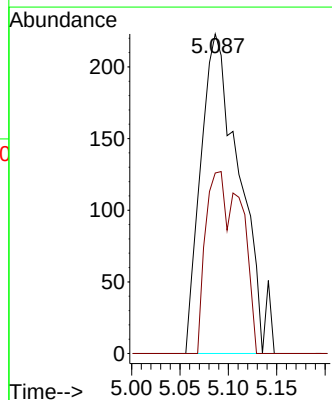
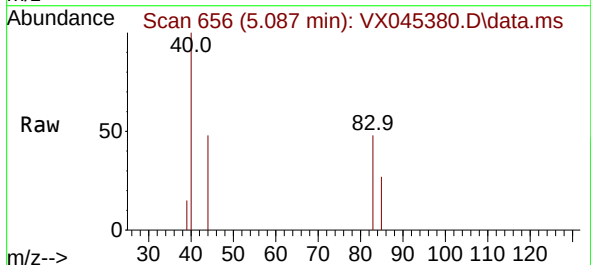
Acq: 21 Mar 2025 12:08

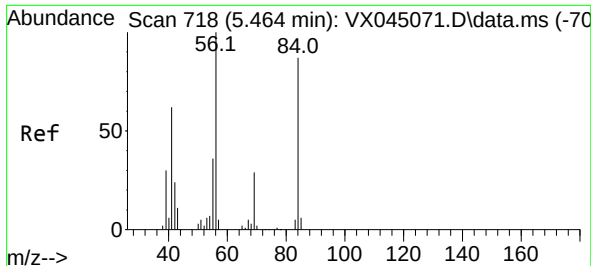
Tgt Ion: 83 Resp: 623

Ion Ratio Lower Upper

83 100

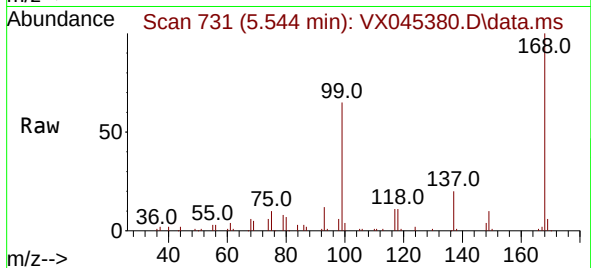
85 56.5 51.4 77.2



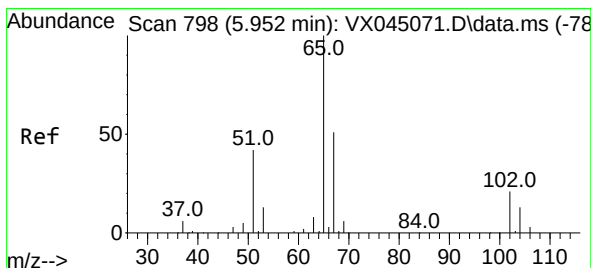
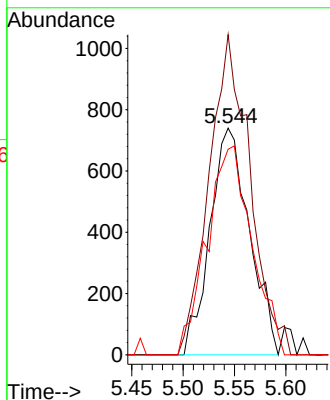
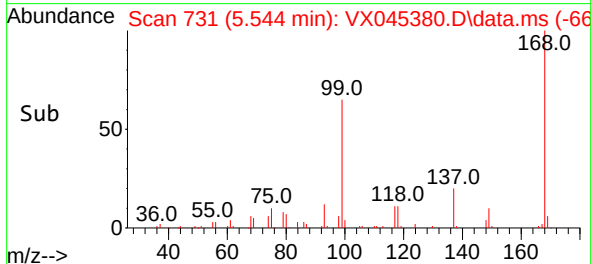


#31
Cyclohexane
Concen: 1.397 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

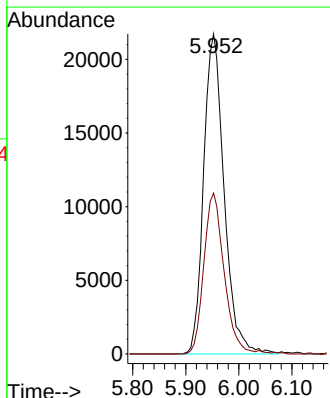
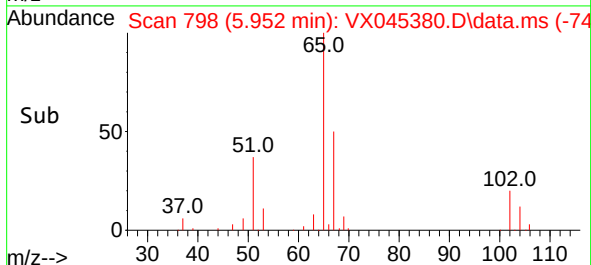
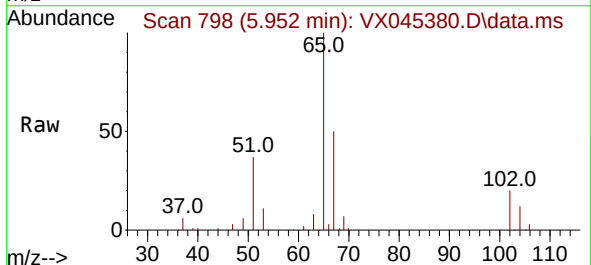


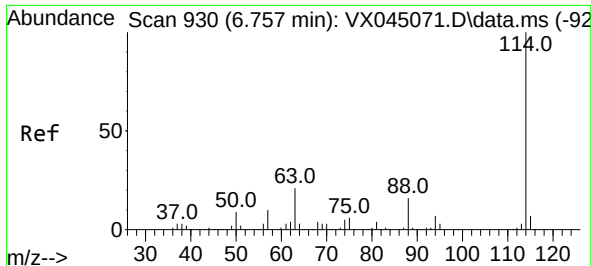
Tgt Ion: 56 Resp: 1971
Ion Ratio Lower Upper
56 100
69 141.2 23.4 35.2#
84 90.7 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 56.170 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Tgt Ion: 65 Resp: 58267
Ion Ratio Lower Upper
65 100
67 49.5 0.0 106.2

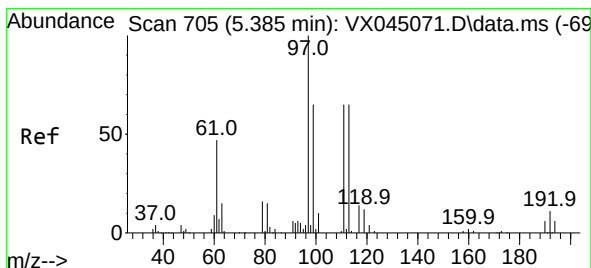
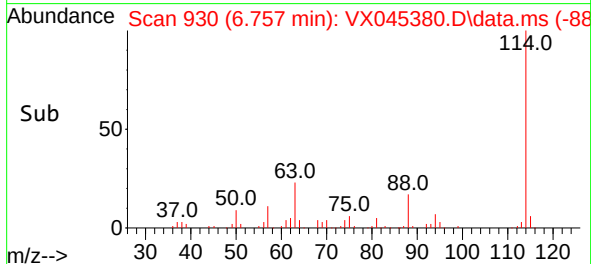
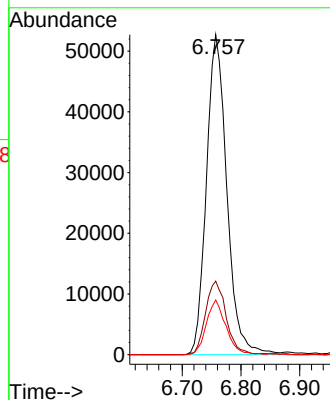
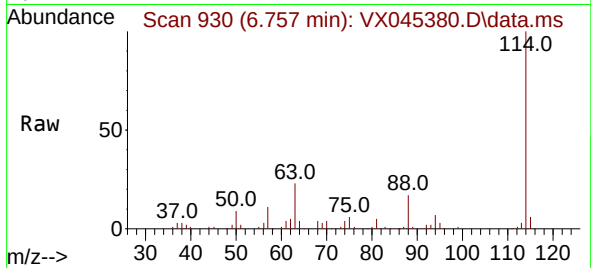




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

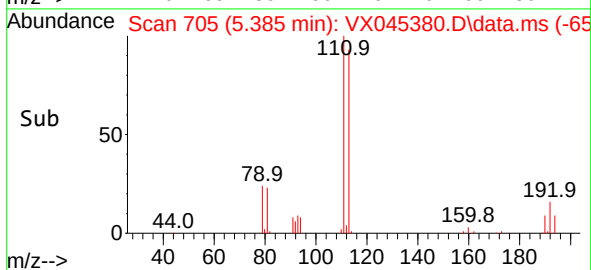
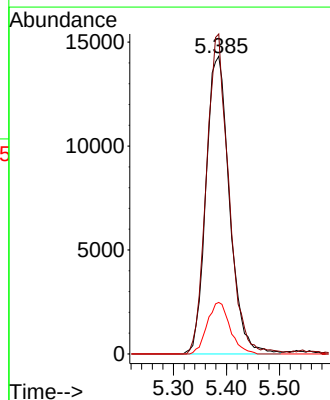
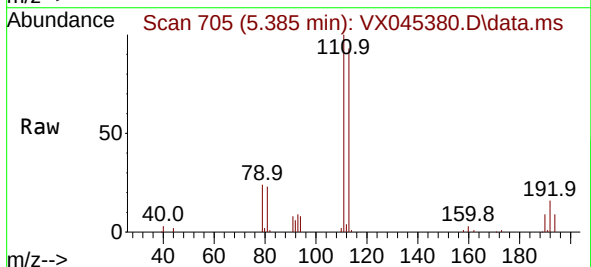
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

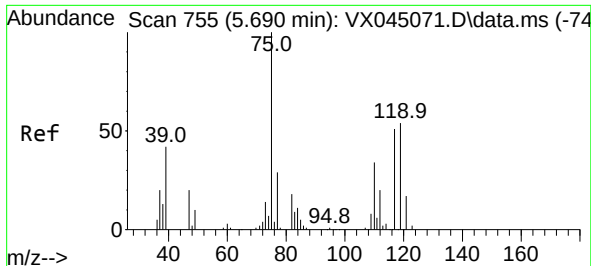
Tgt Ion:114 Resp: 127269
Ion Ratio Lower Upper
114 100
63 23.0 0.0 41.8
88 17.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.856 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Tgt Ion:113 Resp: 44130
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 16.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.228 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX045380.D

Acq: 21 Mar 2025 12:08

Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20250313DL

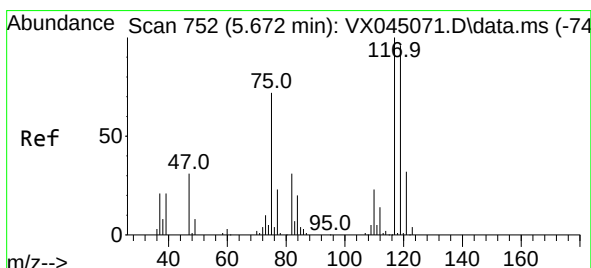
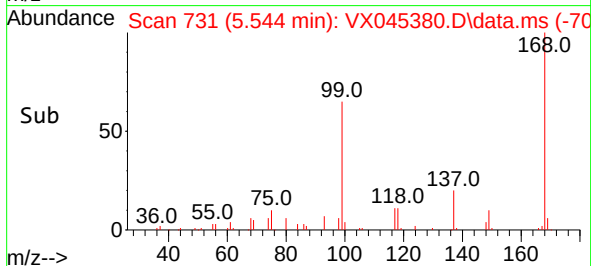
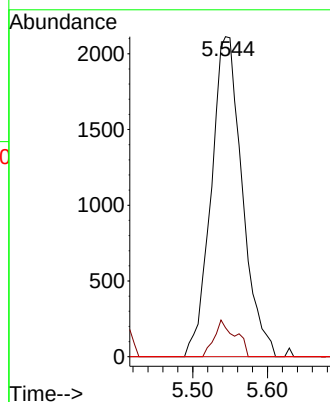
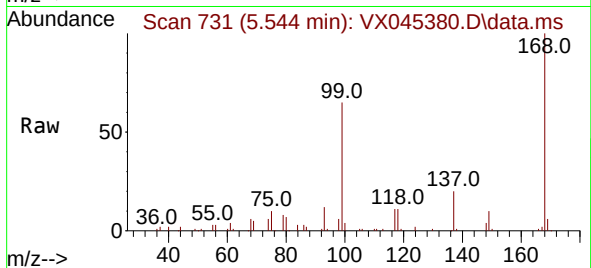
Tgt Ion: 75 Resp: 6101

Ion Ratio Lower Upper

75 100

110 7.8 16.9 50.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.075 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045380.D

Acq: 21 Mar 2025 12:08

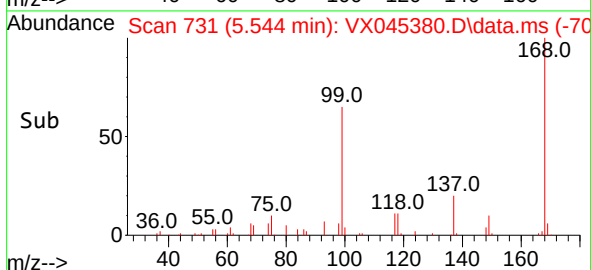
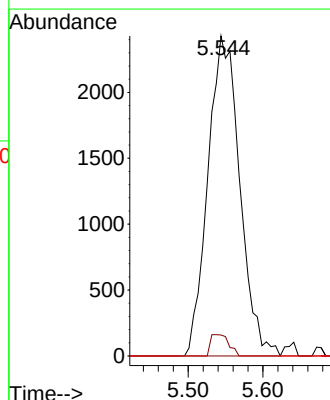
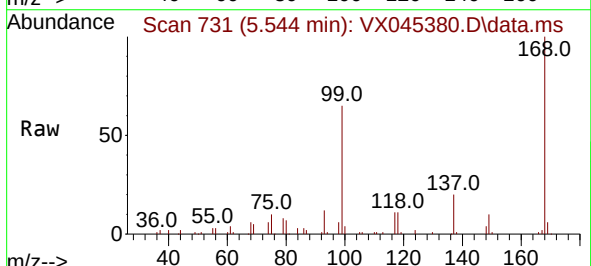
Tgt Ion: 117 Resp: 7198

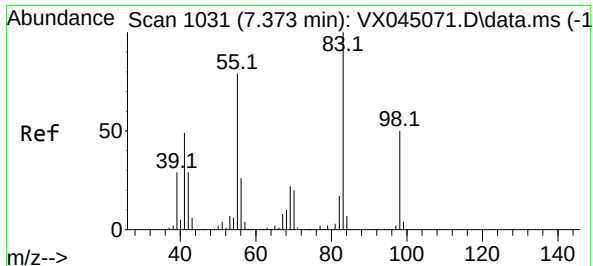
Ion Ratio Lower Upper

117 100

119 6.5 76.7 115.1#

121 0.0 25.5 38.3#

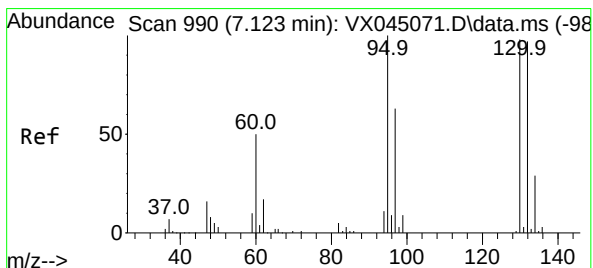
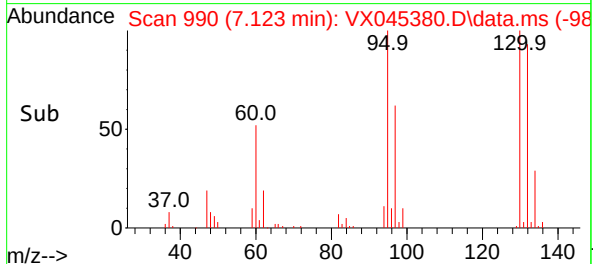
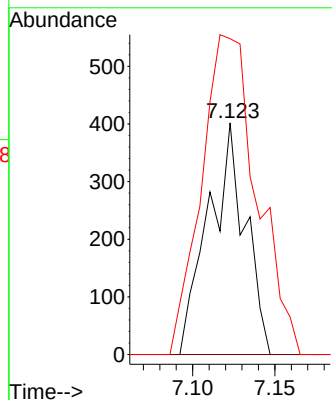
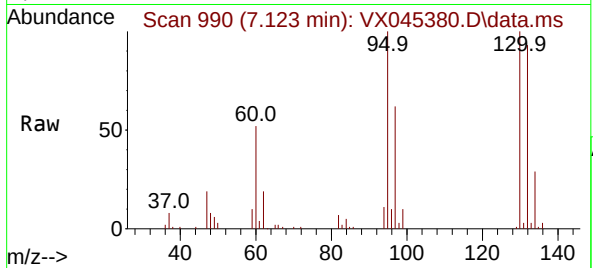




#39
Methylcyclohexane
Concen: 0.447 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

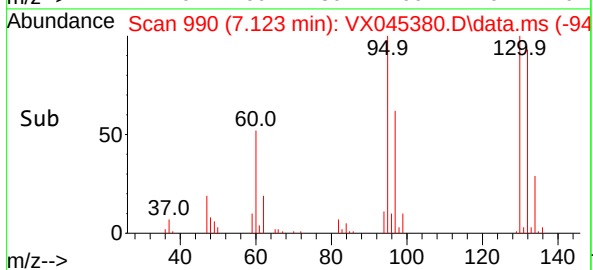
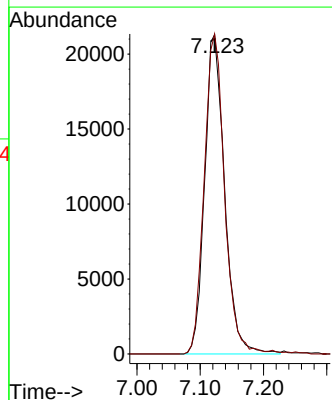
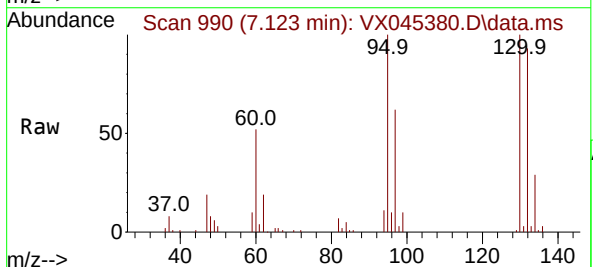
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

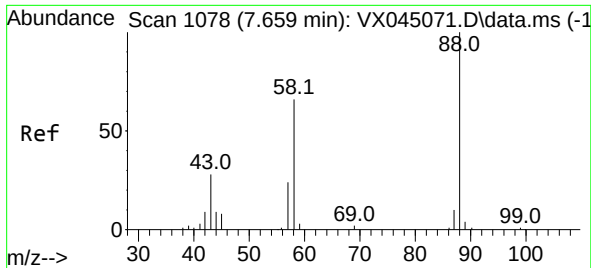
Tgt Ion: 83 Resp: 625
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 114.2 39.7 59.5#



#44
Trichloroethene
Concen: 54.039 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Tgt Ion:130 Resp: 46763
Ion Ratio Lower Upper
130 100
95 100.2 0.0 205.0

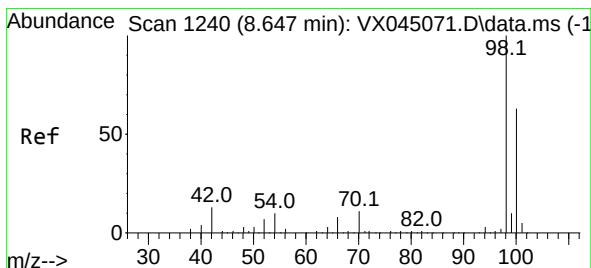
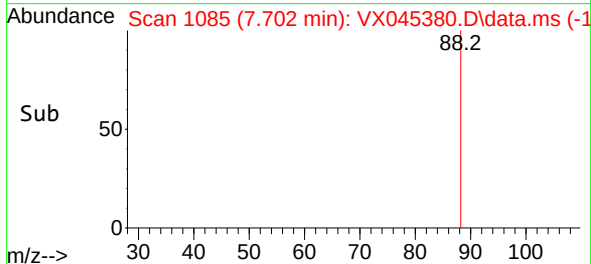
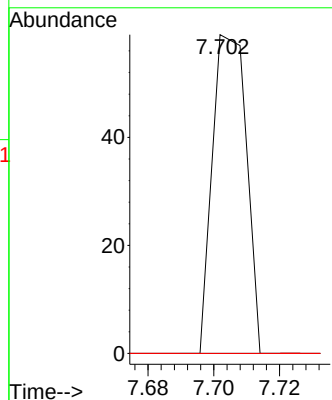
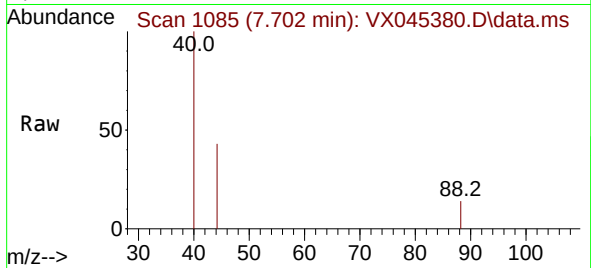




#49
1,4-Dioxane
Concen: 1.785 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.043 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

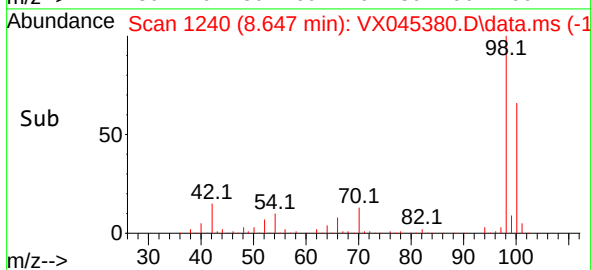
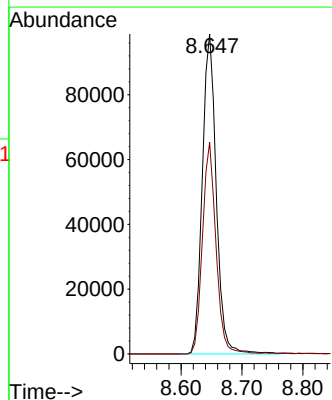
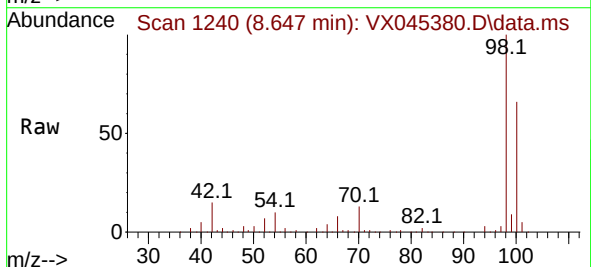
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

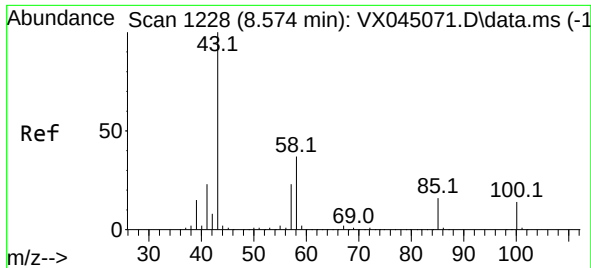
Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1#
58 0.0 55.8 83.8#



#50
Toluene-d8
Concen: 50.904 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Tgt Ion: 98 Resp: 157050
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0

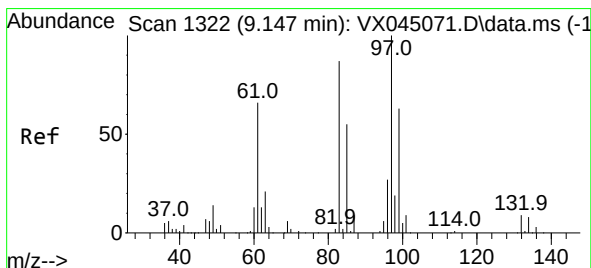
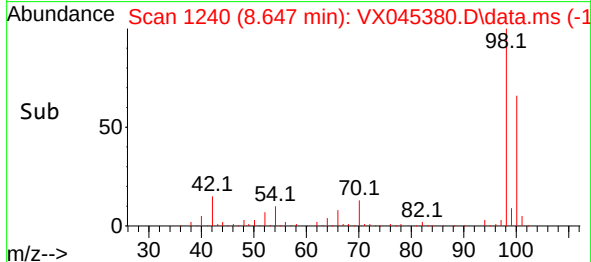
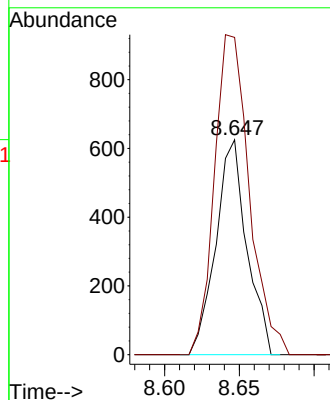
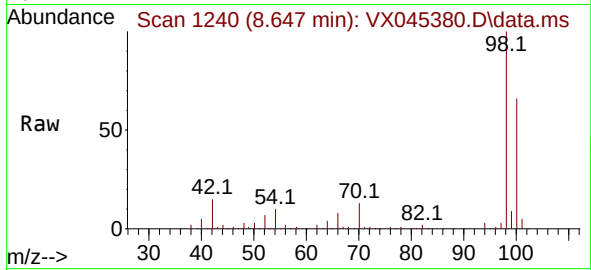




#51
4-Methyl-2-Pentanone
Concen: 0.603 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

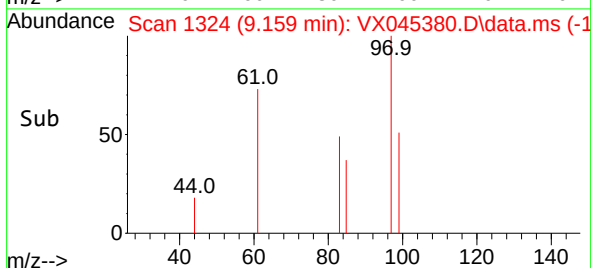
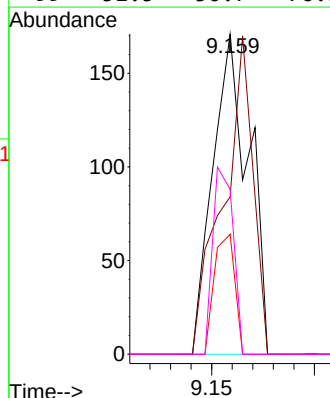
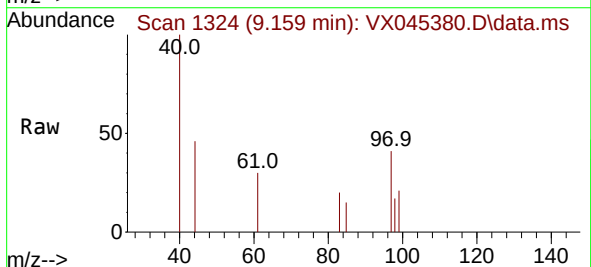
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

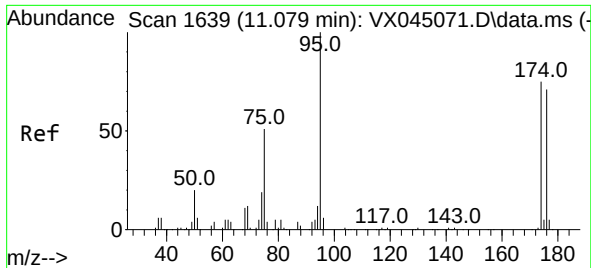
Tgt Ion: 43 Resp: 901
Ion Ratio Lower Upper
43 100
58 167.7 29.2 43.8#



#55
1,1,2-Trichloroethane
Concen: 0.234 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.012 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Tgt Ion: 97 Resp: 208
Ion Ratio Lower Upper
97 100
83 49.1 69.4 104.2#
85 37.4 44.1 66.1#
99 51.5 50.7 76.1

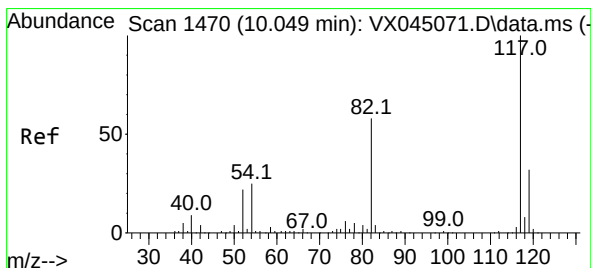
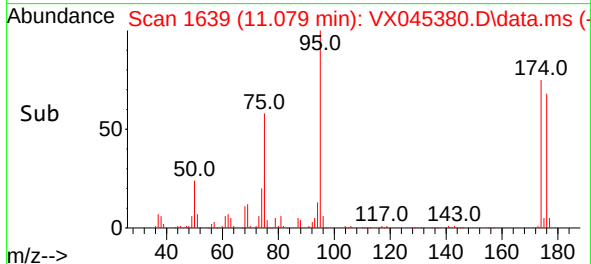
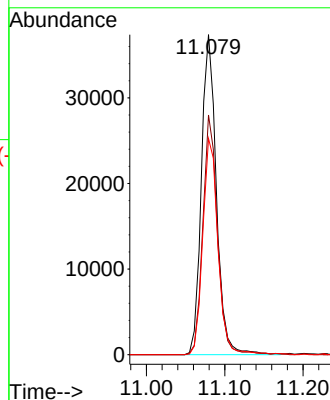
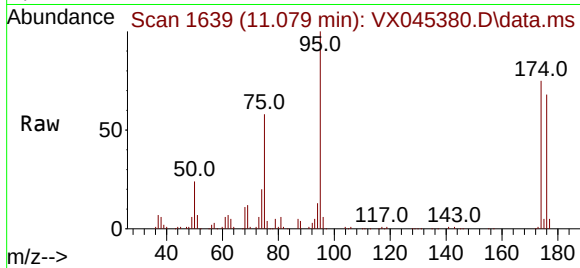




#62
4-Bromofluorobenzene
Concen: 48.633 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

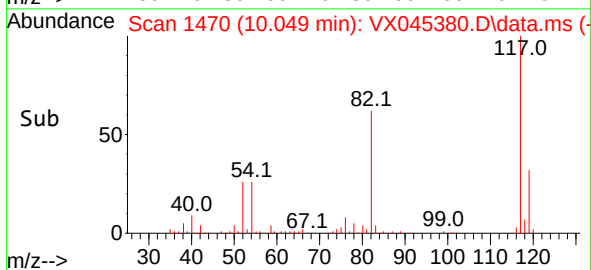
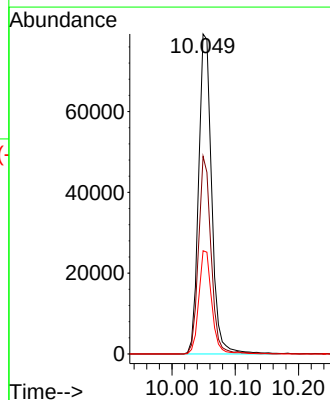
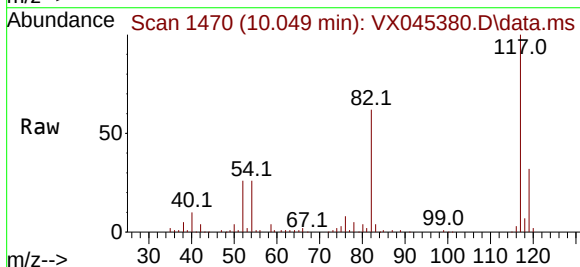
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

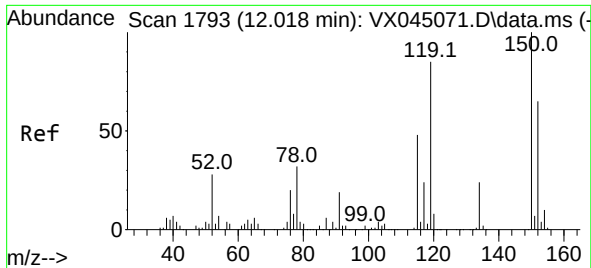
Tgt Ion: 95 Resp: 49720
Ion Ratio Lower Upper
95 100
174 72.9 0.0 148.2
176 68.8 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Tgt Ion: 117 Resp: 114057
Ion Ratio Lower Upper
117 100
82 61.7 46.3 69.5
119 32.2 25.7 38.5

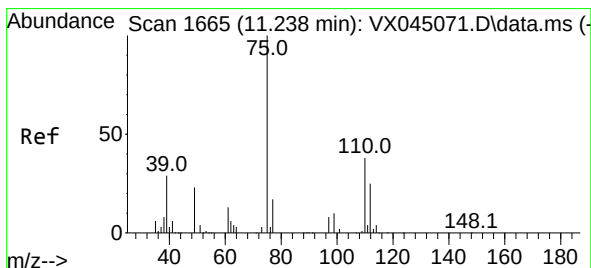
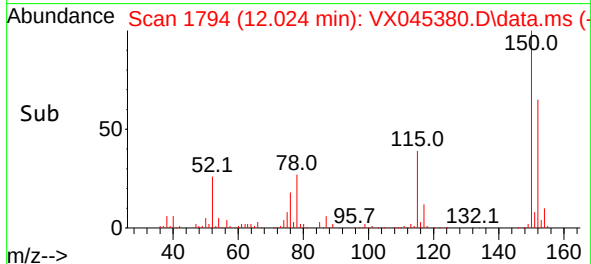
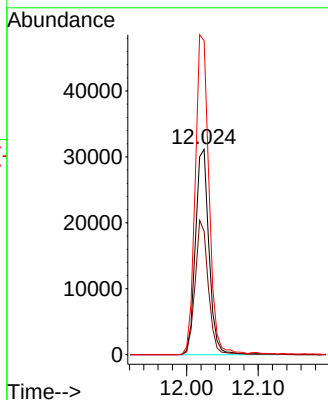
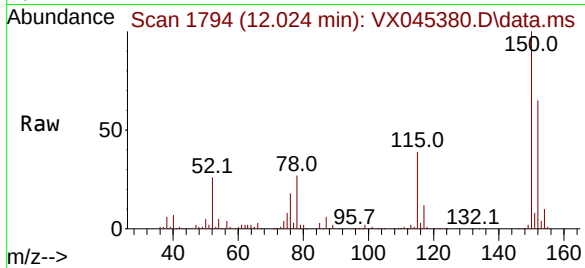




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

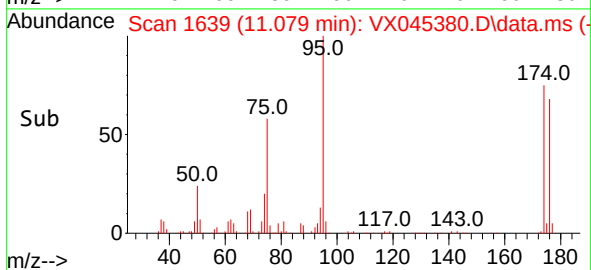
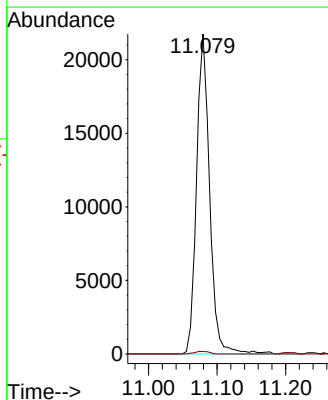
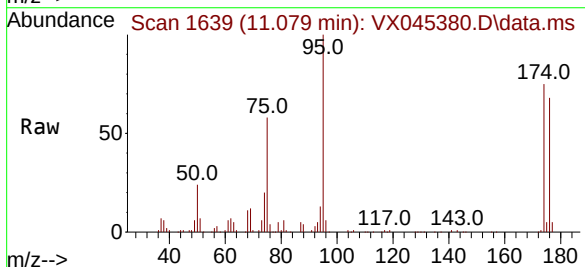
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

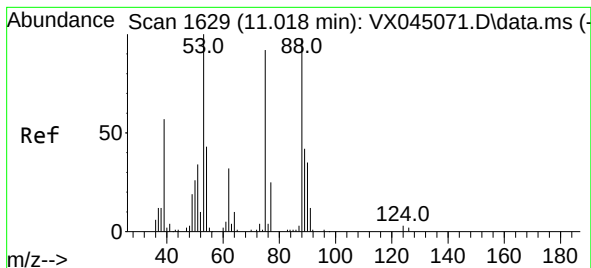
Tgt Ion:152 Resp: 41111
Ion Ratio Lower Upper
152 100
115 63.4 44.2 132.6
150 157.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 30.276 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Tgt Ion: 75 Resp: 28970
Ion Ratio Lower Upper
75 100
77 0.9 20.7 62.1#

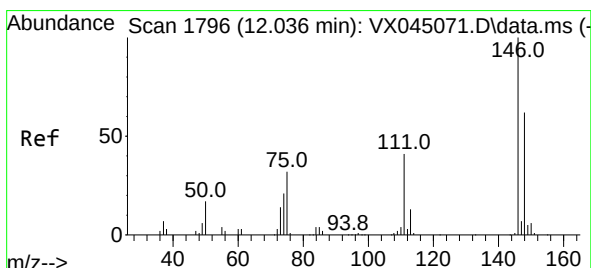
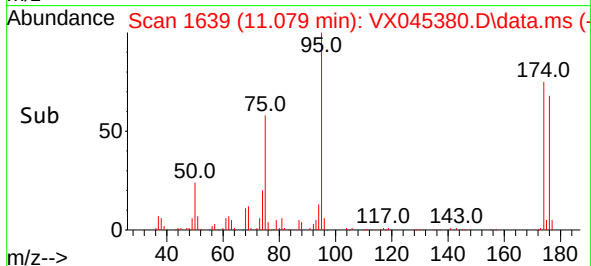
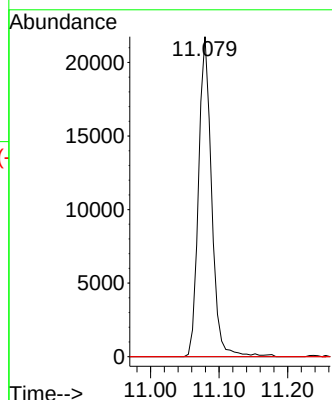
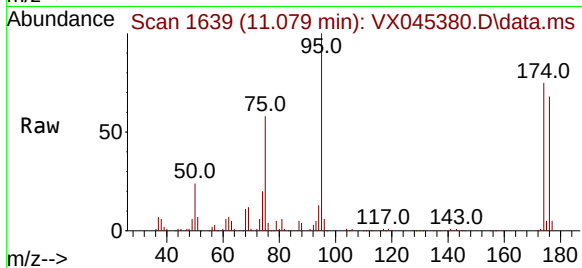




#81
trans-1,4-Dichloro-2-butene
Concen: 103.610 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

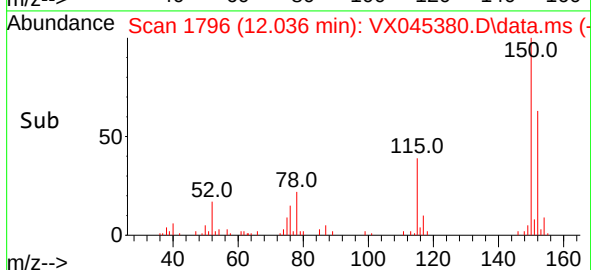
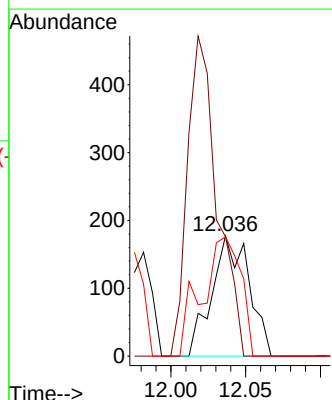
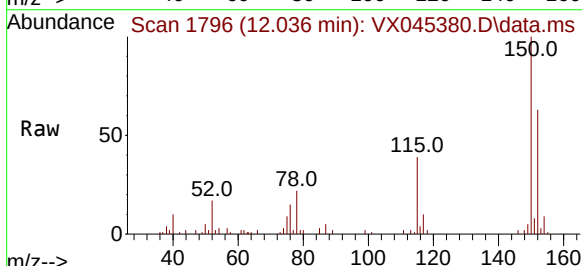
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

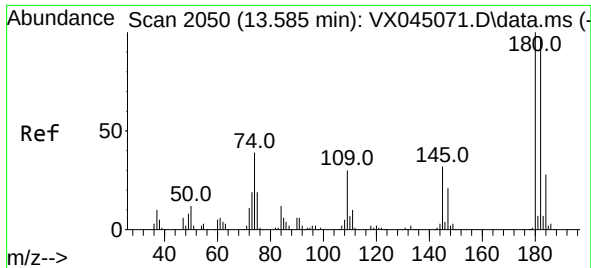
Tgt Ion: 75 Resp: 28970
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#



#88
1,4-Dichlorobenzene
Concen: 0.225 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Tgt Ion:146 Resp: 307
Ion Ratio Lower Upper
146 100
111 212.7 20.2 60.5#
148 103.6 31.9 95.9#

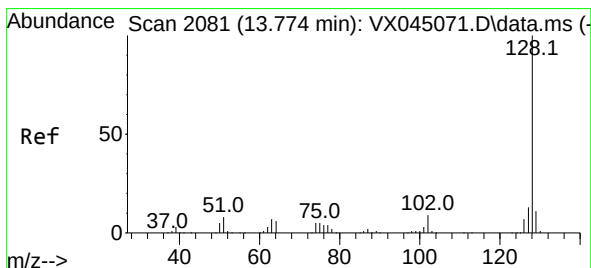
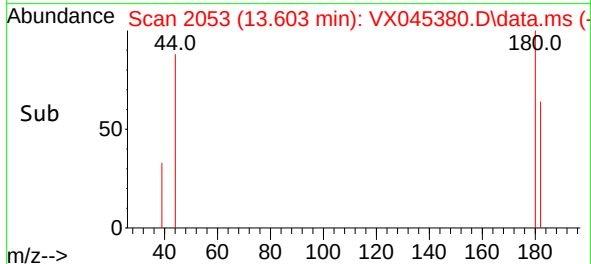
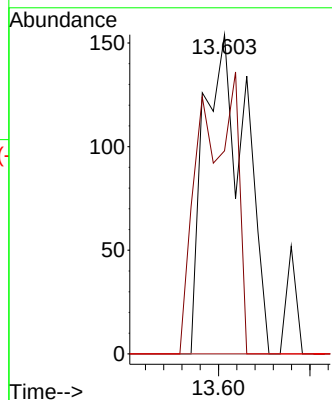
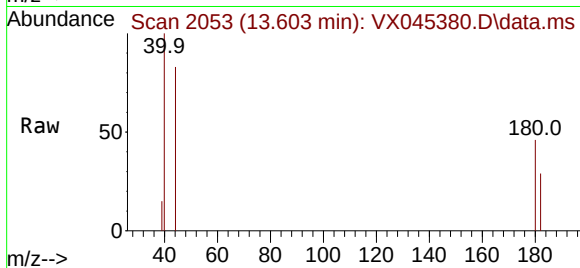




#93
1,2,4-Trichlorobenzene
Concen: 0.315 ug/l
RT: 13.603 min Scan# 2053
Delta R.T. 0.018 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

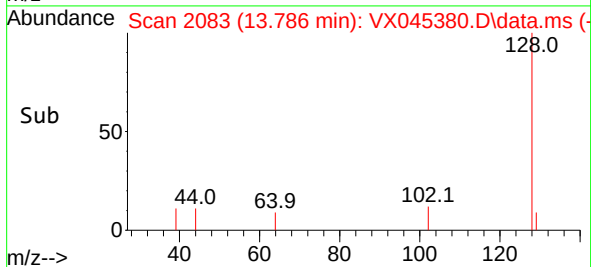
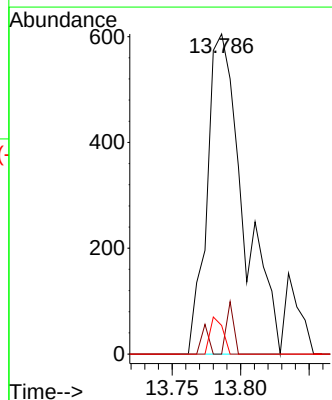
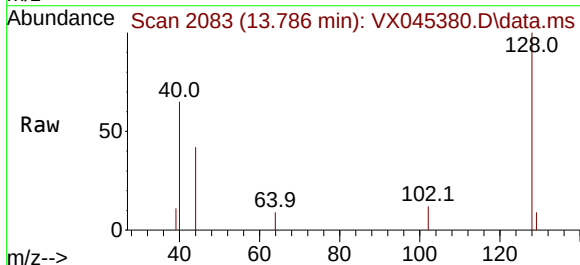
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313DL

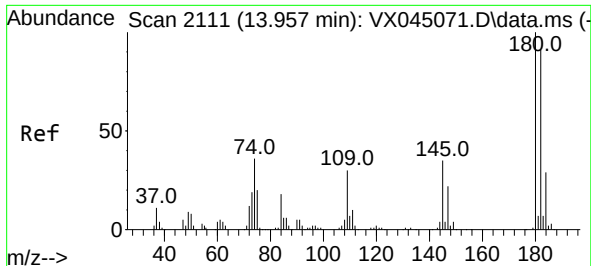
Tgt Ion:180 Resp: 243
Ion Ratio Lower Upper
180 100
182 78.6 47.3 141.9
145 0.0 16.3 48.9#



#95
Naphthalene
Concen: 0.377 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX045380.D
Acq: 21 Mar 2025 12:08

Tgt Ion:128 Resp: 1117
Ion Ratio Lower Upper
128 100
127 3.2 10.3 15.5#
129 4.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.351 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.012 min
 Lab File: VX045380.D
 Acq: 21 Mar 2025 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20250313DL

Tgt Ion:180 Resp: 286
 Ion Ratio Lower Upper
 180 100
 182 89.2 47.5 142.6
 145 0.0 17.0 50.9#

