

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
 Data File : VX045363.D
 Acq On : 20 Mar 2025 15:59
 Operator : JC/MD
 Sample : Q1582-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20250313

Quant Time: Mar 21 01:50:01 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)

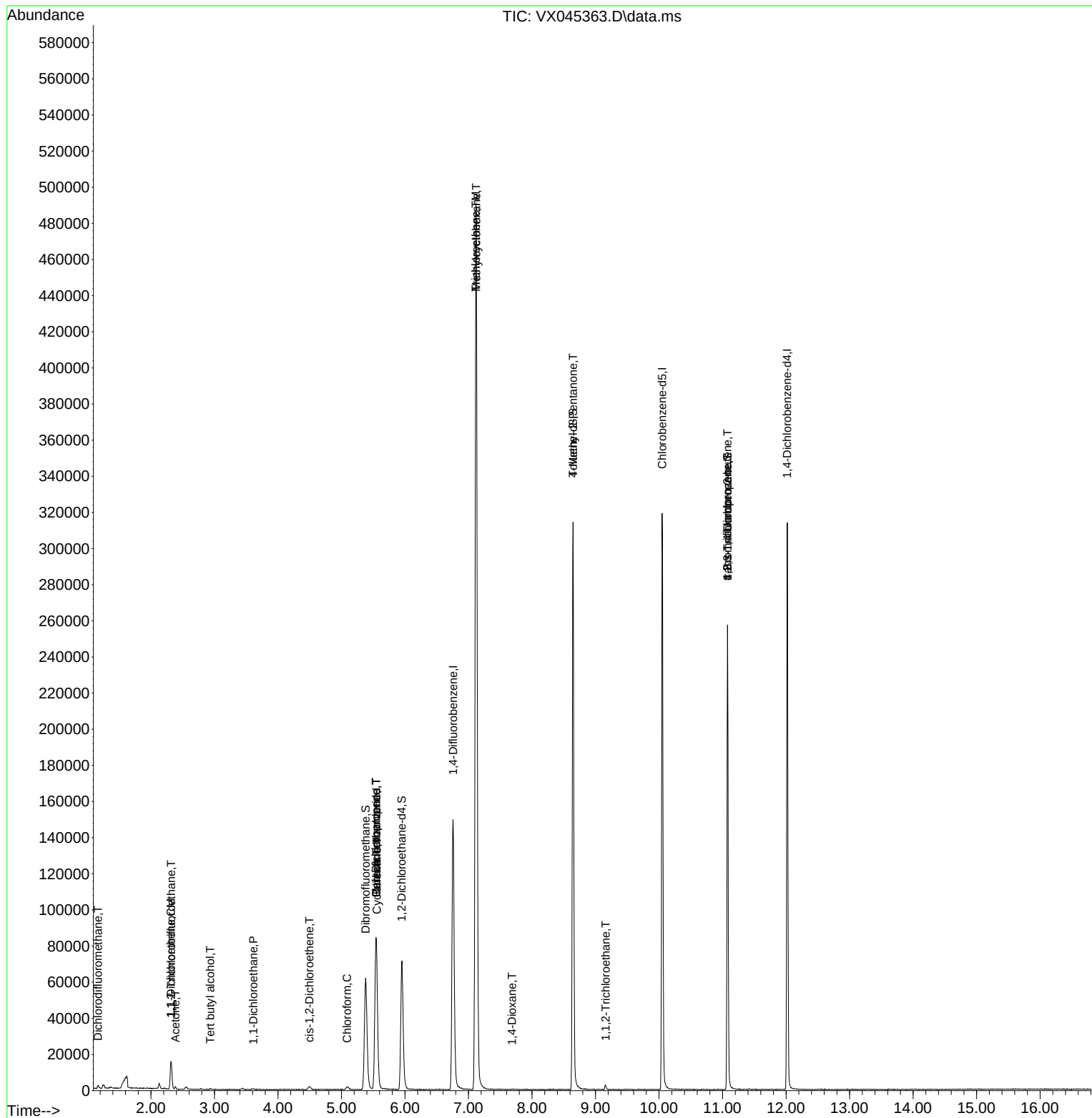
Internal Standards						
1) Pentafluorobenzene	5.550	168	75815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147733	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	134626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67871	56.280	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.560%	
35) Dibromofluoromethane	5.379	113	52349	52.993	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.980%	
50) Toluene-d8	8.647	98	183069	51.118	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.240%	
62) 4-Bromofluorobenzene	11.079	95	65477	55.174	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 110.340%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1077	1.129	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	4026	4.569	ug/l	96
11) Tert butyl alcohol	2.934	59	75	0.328	ug/l #	73
12) 1,1-Dichloroethene	2.313	96	2257	2.423	ug/l	87
16) Acetone	2.386	43	1391	2.486	ug/l	94
24) 1,1-Dichloroethane	3.611	63	889	0.470	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	1280	1.127	ug/l	83
30) Chloroform	5.086	83	1971	1.050	ug/l	97
31) Cyclohexane	5.556	56	2075	1.265	ug/l #	50
36) 1,1-Dichloropropene	5.544	75	7317	5.401	ug/l #	51
38) Carbon Tetrachloride	5.550	117	8561	6.224	ug/l #	15
39) Methylcyclohexane	7.123	83	2290	1.411	ug/l #	1
44) Trichloroethene	7.117	130	183725	182.901	ug/l	100
49) 1,4-Dioxane	7.684	88	165	6.040	ug/l #	22
51) 4-Methyl-2-Pentanone	8.647	43	984	0.568	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	826	0.799	ug/l #	84
76) 1,2,3-Trichloropropane	11.079	75	37279	27.579	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37279	94.380	ug/l #	6

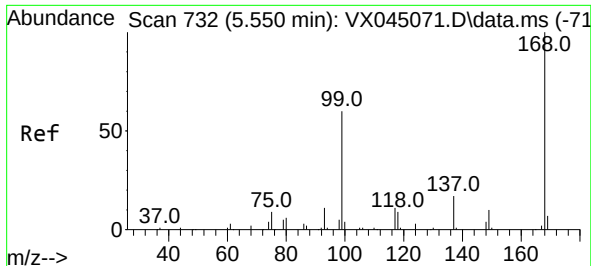
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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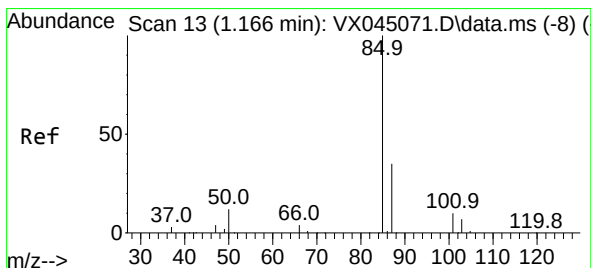
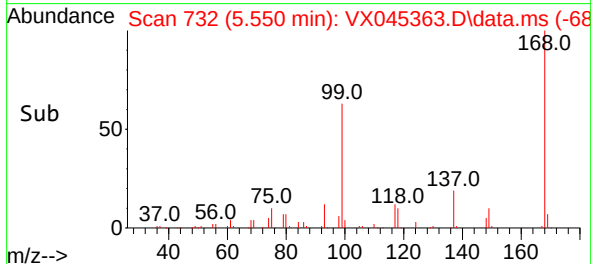
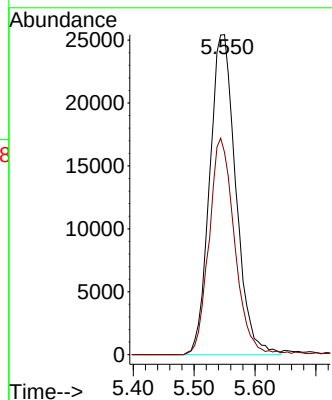
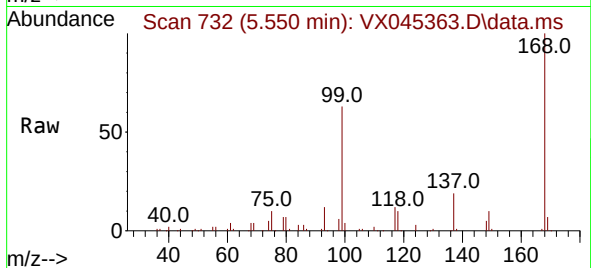




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

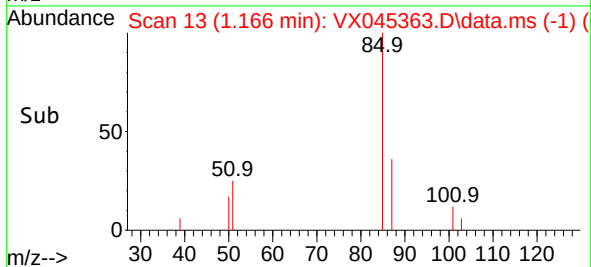
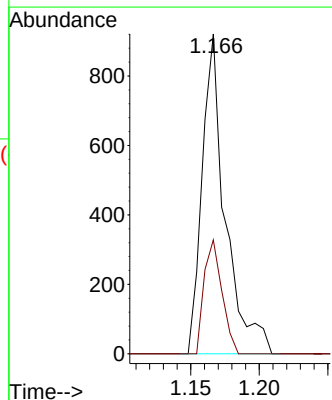
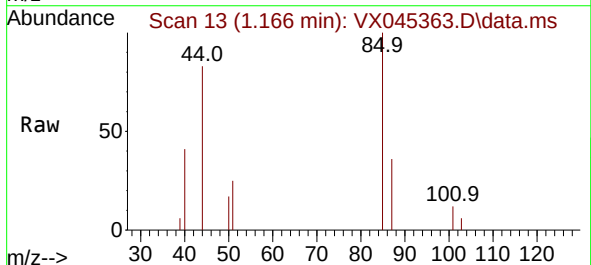
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313

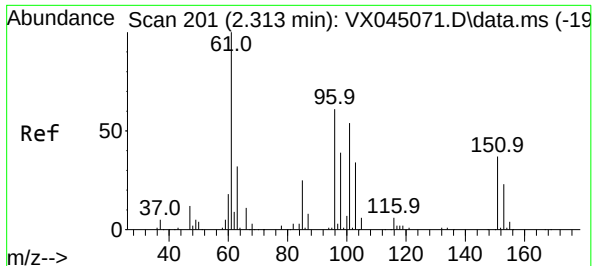
Tgt Ion:168 Resp: 75815
Ion Ratio Lower Upper
168 100
99 63.2 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 1.129 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Tgt Ion: 85 Resp: 1077
Ion Ratio Lower Upper
85 100
87 35.6 17.4 52.3

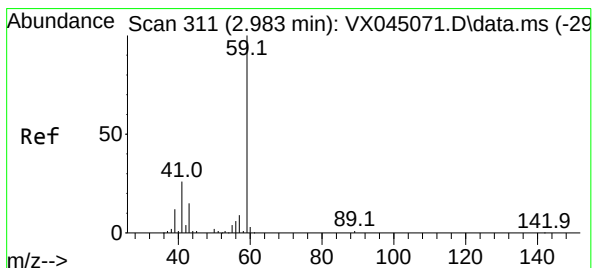
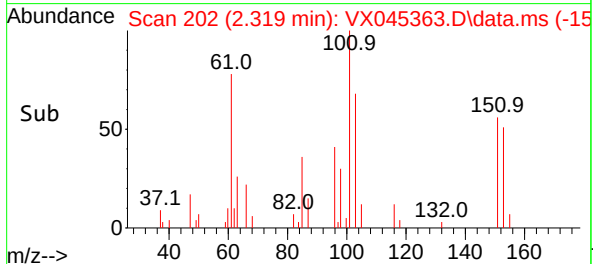
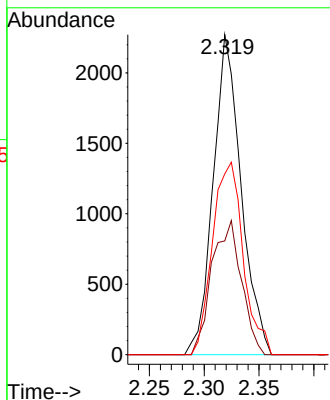
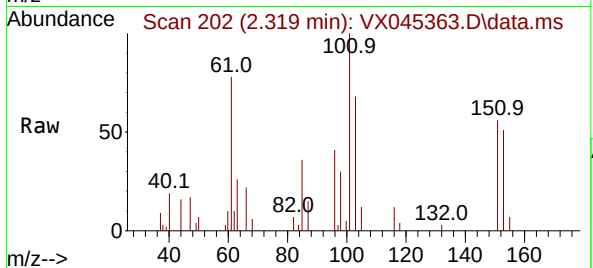




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.569 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

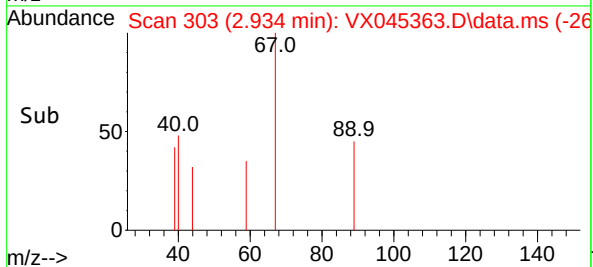
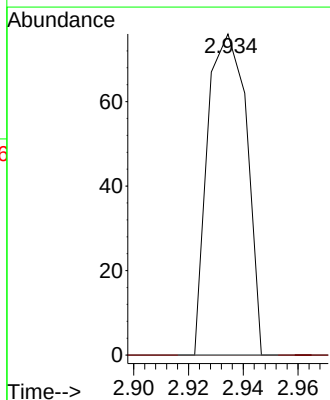
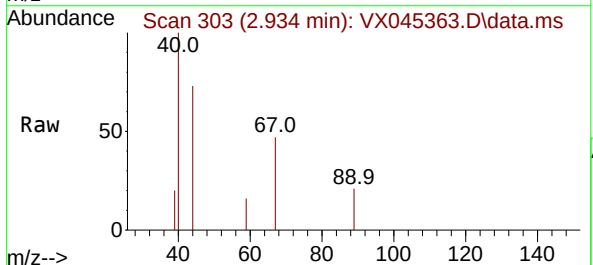
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313

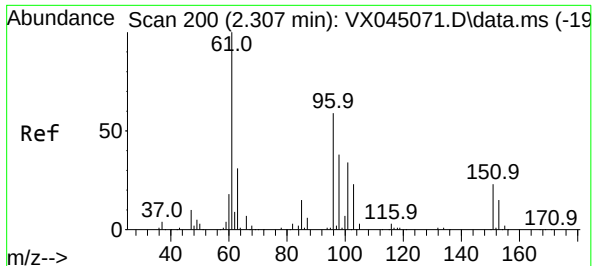
Tgt Ion:101 Resp: 4026
Ion Ratio Lower Upper
101 100
85 44.5 36.2 54.4
151 66.3 56.4 84.6



#11
Tert butyl alcohol
Concen: 0.328 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.049 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Tgt Ion: 59 Resp: 75
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 2.423 ug/l

RT: 2.313 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX045363.D

Acq: 20 Mar 2025 15:59

Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20250313

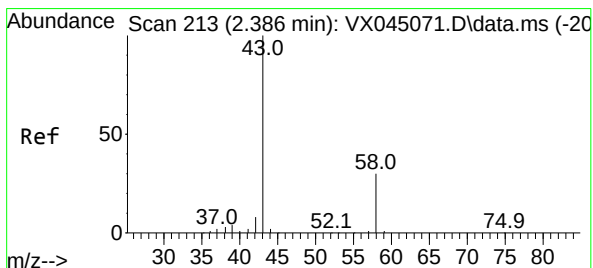
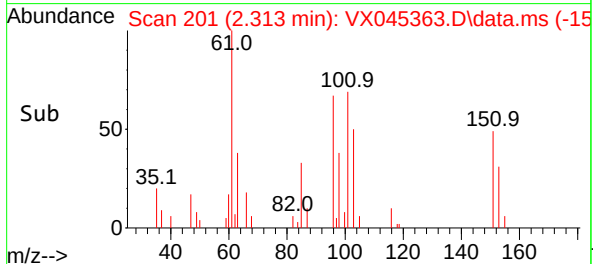
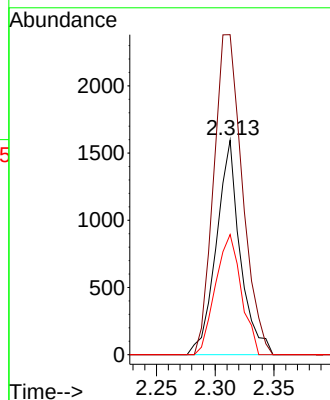
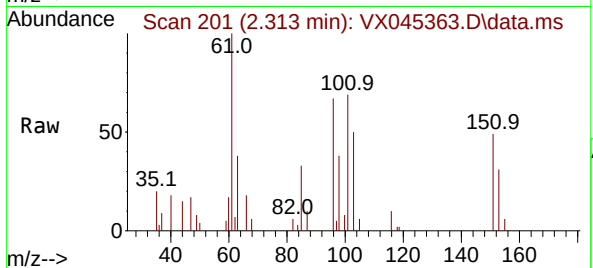
Tgt Ion: 96 Resp: 2257

Ion Ratio Lower Upper

96 100

61 149.3 134.6 202.0

98 56.1 51.0 76.6



#16

Acetone

Concen: 2.486 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX045363.D

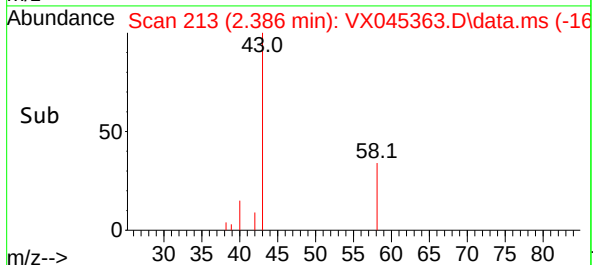
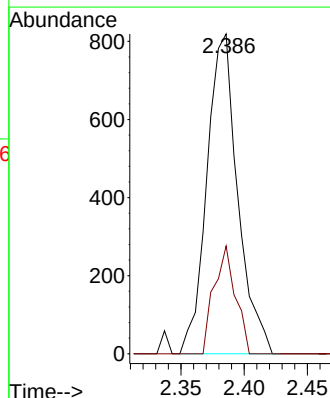
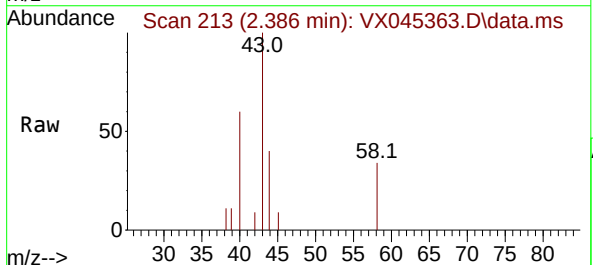
Acq: 20 Mar 2025 15:59

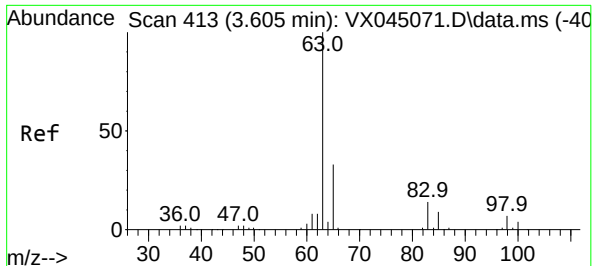
Tgt Ion: 43 Resp: 1391

Ion Ratio Lower Upper

43 100

58 33.7 24.2 36.4

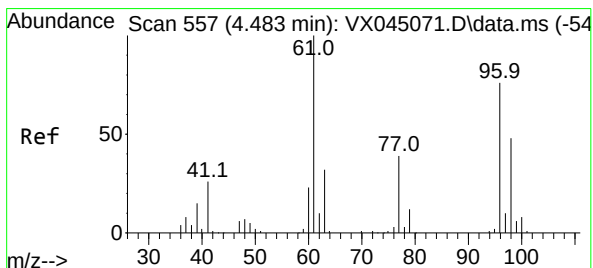
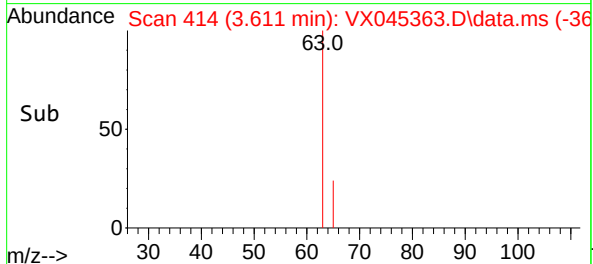
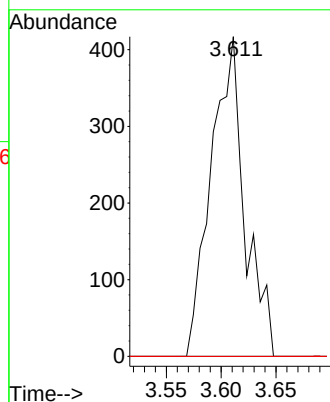
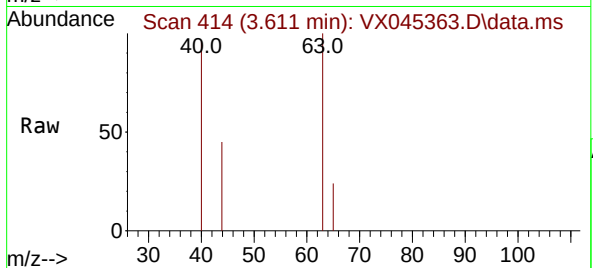




#24
1,1-Dichloroethane
Concen: 0.470 ug/l
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

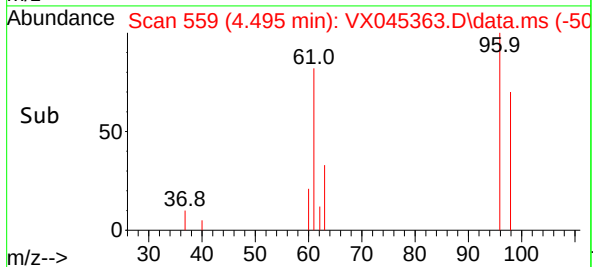
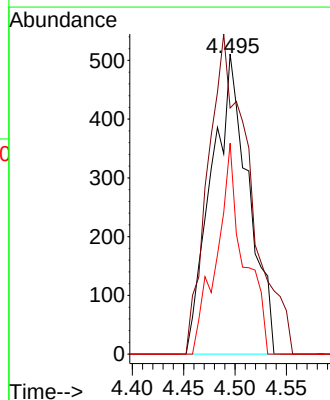
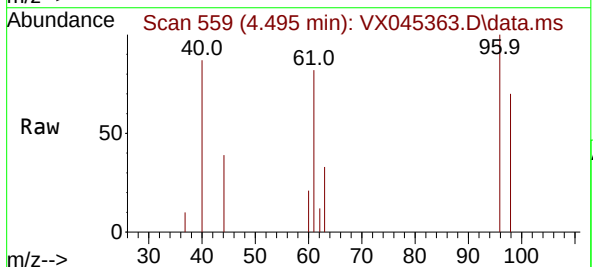
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313

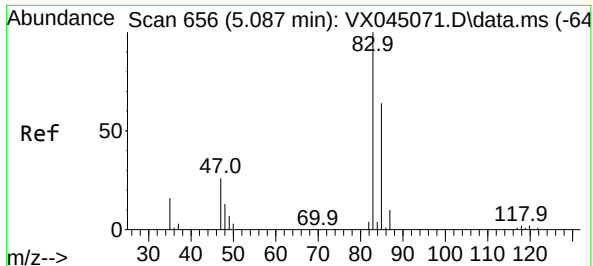
Tgt Ion: 63 Resp: 889
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 1.127 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Tgt Ion: 96 Resp: 1280
Ion Ratio Lower Upper
96 100
61 120.6 0.0 283.2
98 51.8 0.0 128.0





#30

Chloroform

Concen: 1.050 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX045363.D

Acq: 20 Mar 2025 15:59

Instrument :

MSVOA_X

ClientSampleId :

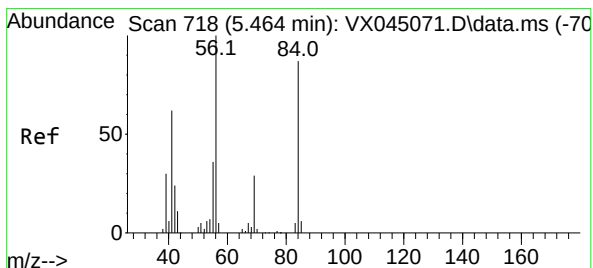
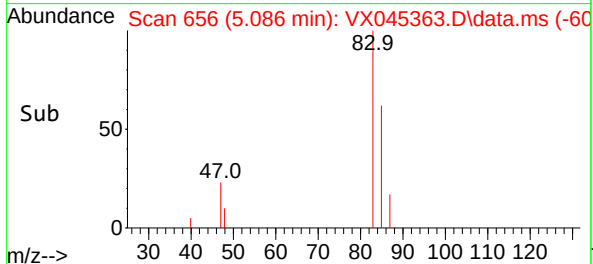
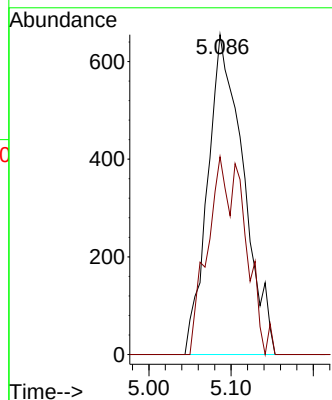
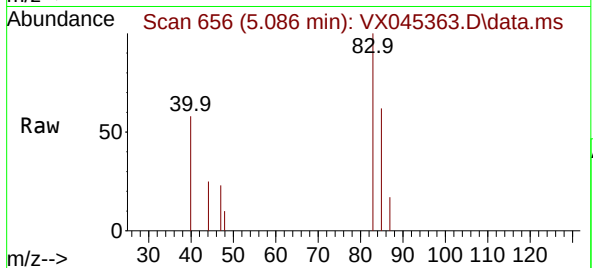
TT180D1-20250313

Tgt Ion: 83 Resp: 1971

Ion Ratio Lower Upper

83 100

85 61.8 51.4 77.2



#31

Cyclohexane

Concen: 1.265 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.091 min

Lab File: VX045363.D

Acq: 20 Mar 2025 15:59

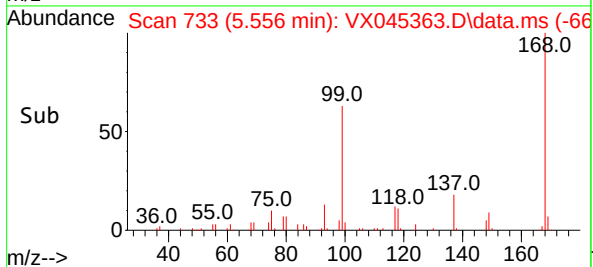
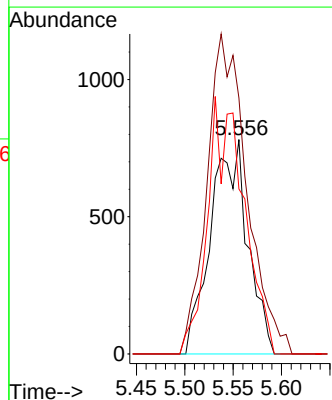
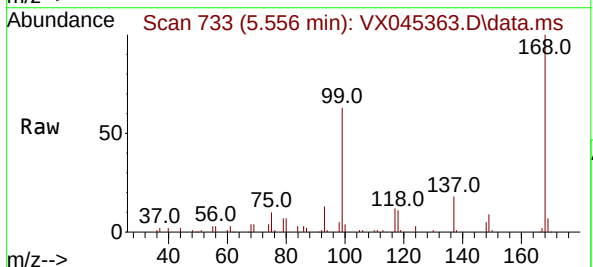
Tgt Ion: 56 Resp: 2075

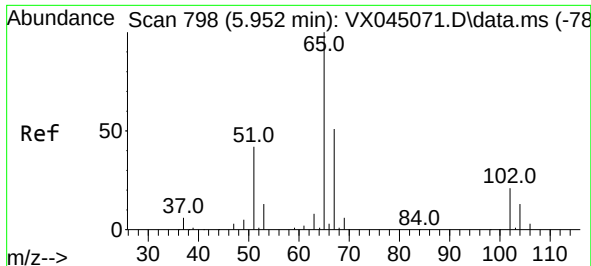
Ion Ratio Lower Upper

56 100

69 119.5 23.4 35.2#

84 77.0 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 56.280 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045363.D

Acq: 20 Mar 2025 15:59

Instrument :

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ClientSampleId :

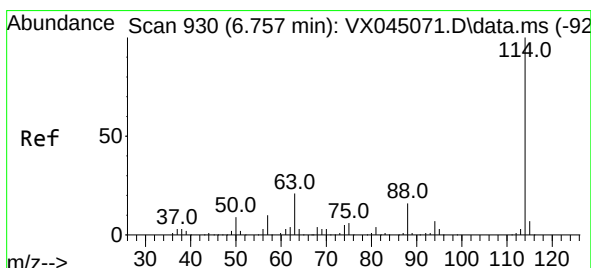
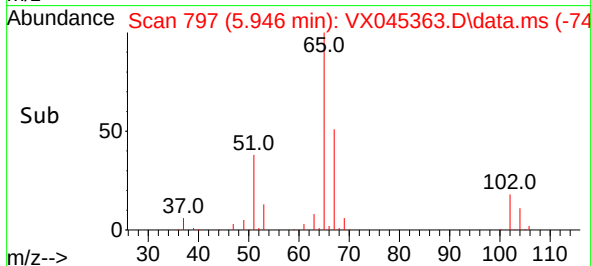
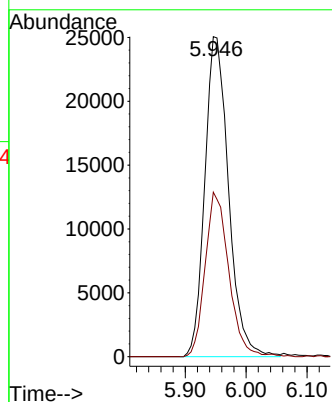
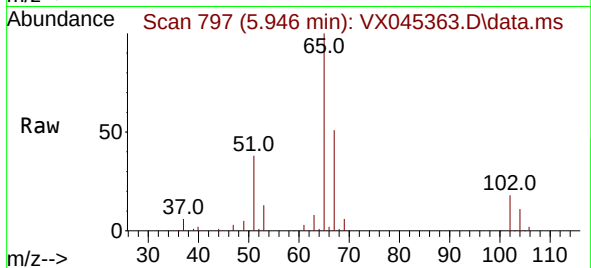
TT180D1-20250313

Tgt Ion: 65 Resp: 67871

Ion Ratio Lower Upper

65 100

67 50.8 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045363.D

Acq: 20 Mar 2025 15:59

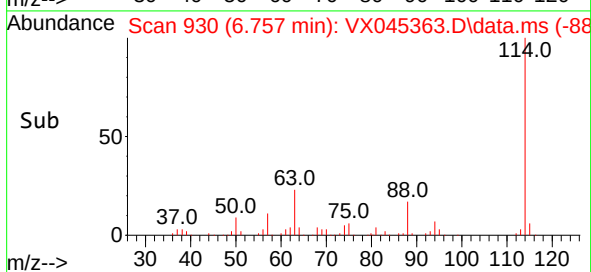
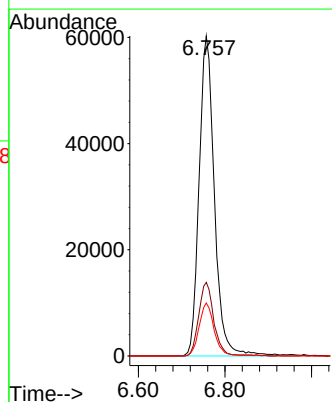
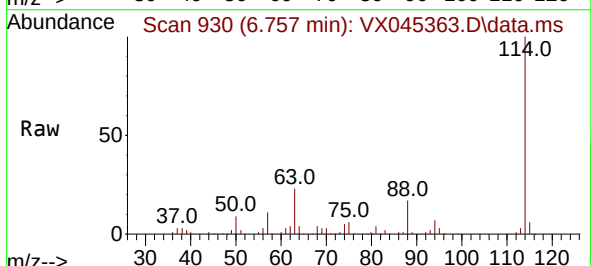
Tgt Ion: 114 Resp: 147733

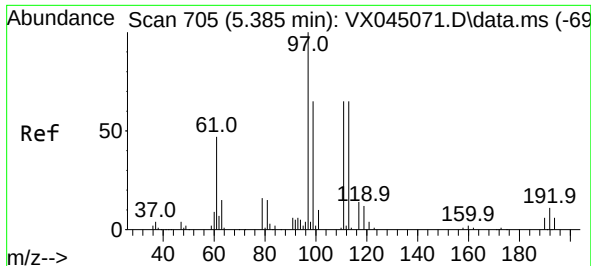
Ion Ratio Lower Upper

114 100

63 23.0 0.0 41.8

88 16.6 0.0 32.8

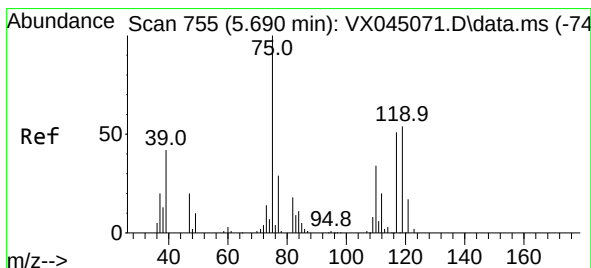
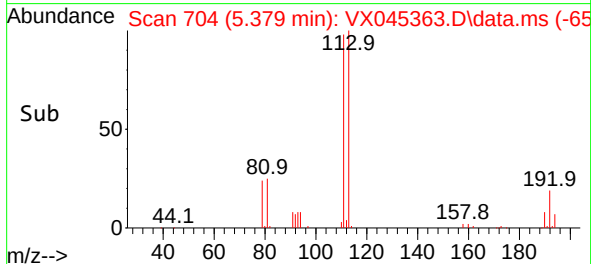
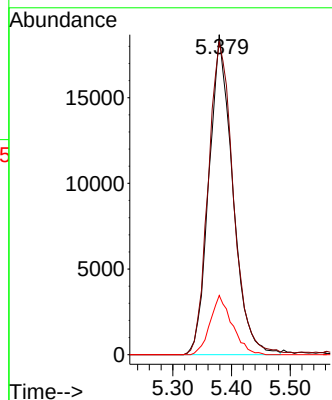
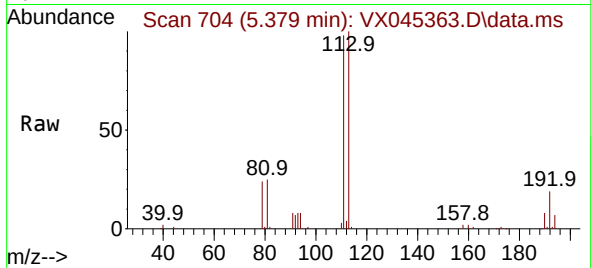




#35
Dibromofluoromethane
Concen: 52.993 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

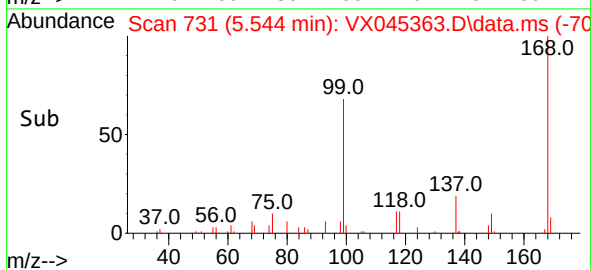
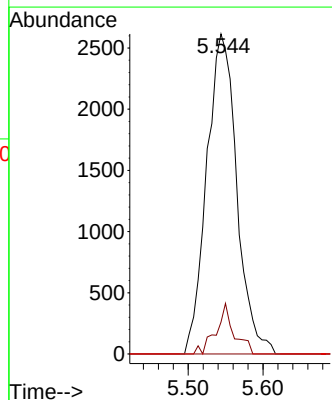
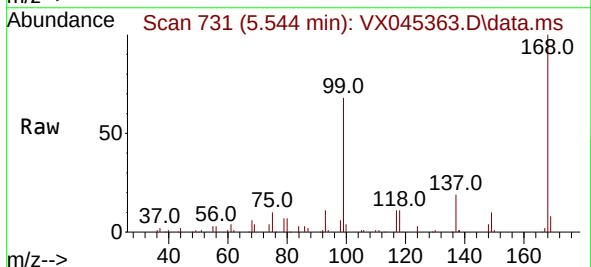
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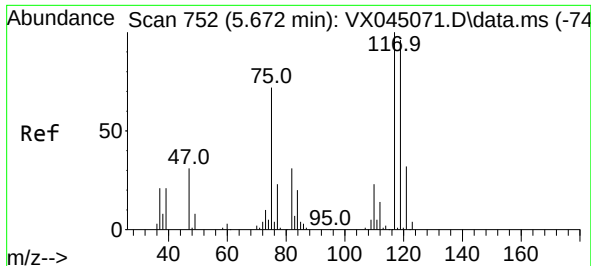
Tgt Ion:113 Resp: 52349
Ion Ratio Lower Upper
113 100
111 103.8 81.8 122.6
192 17.2 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.401 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Tgt Ion: 75 Resp: 7317
Ion Ratio Lower Upper
75 100
110 9.4 16.9 50.6#
77 0.0 24.5 36.7#

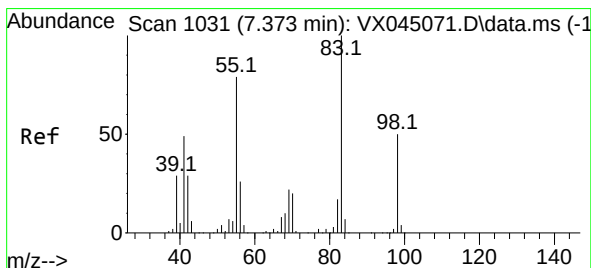
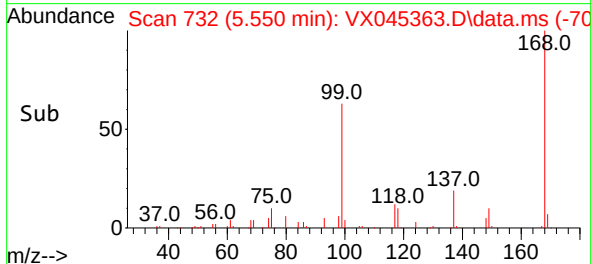
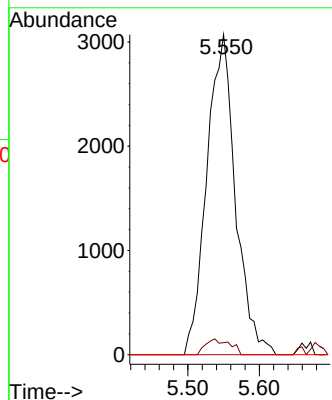
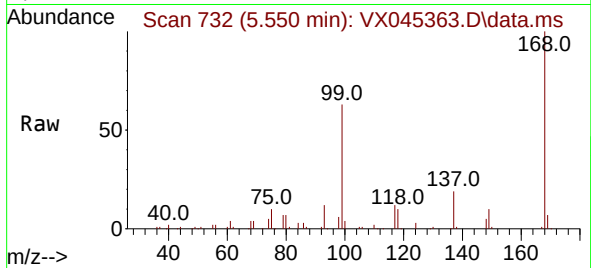




#38
Carbon Tetrachloride
Concen: 6.224 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

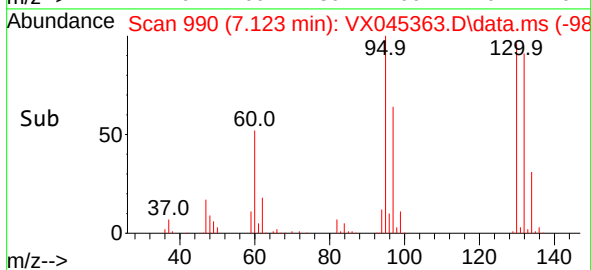
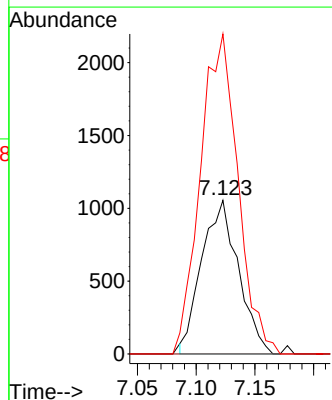
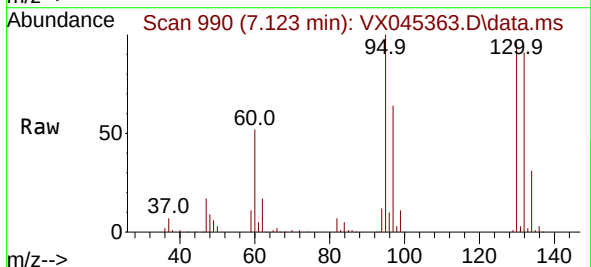
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313

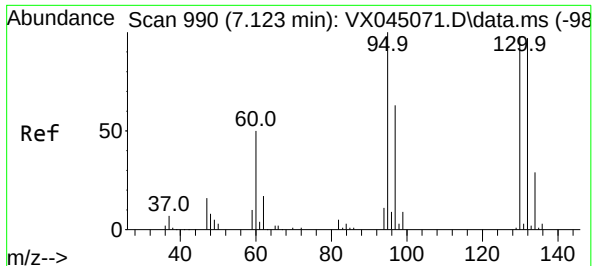
Tgt Ion:117 Resp: 8561
Ion Ratio Lower Upper
117 100
119 3.7 76.7 115.1#
121 0.0 25.5 38.3#



#39
Methylcyclohexane
Concen: 1.411 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Tgt Ion: 83 Resp: 2290
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 208.2 39.7 59.5#

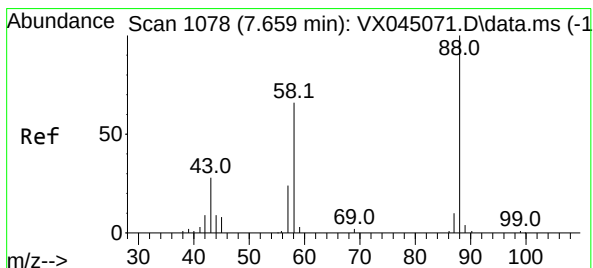
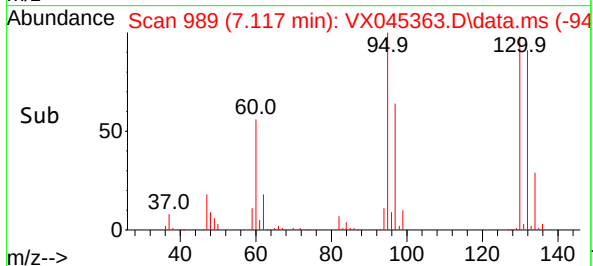
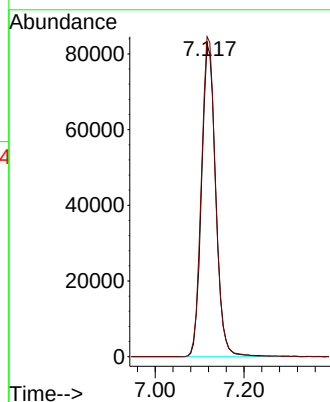
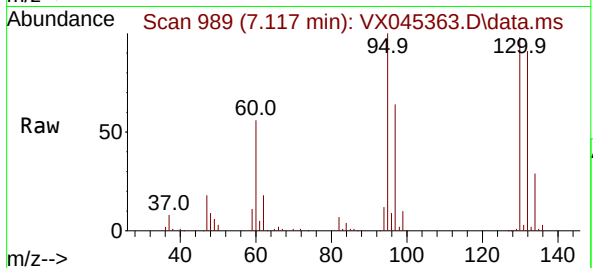




#44
Trichloroethene
Concen: 182.901 ug/l
RT: 7.117 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

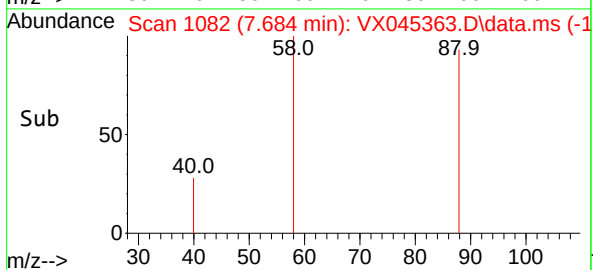
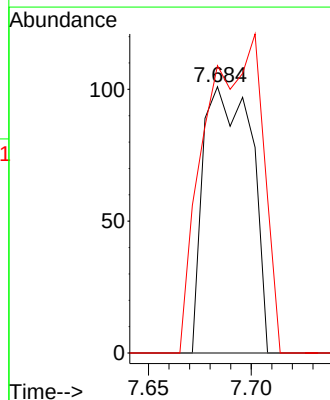
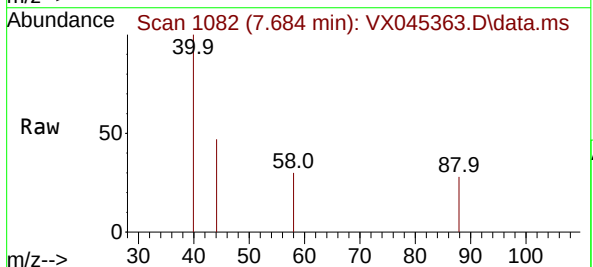
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313

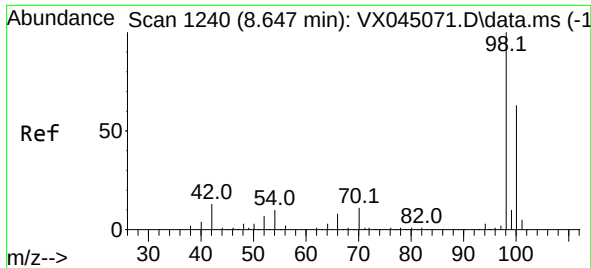
Tgt Ion:130 Resp: 183725
Ion Ratio Lower Upper
130 100
95 102.5 0.0 205.0



#49
1,4-Dioxane
Concen: 6.040 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Tgt Ion: 88 Resp: 165
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1#
58 141.2 55.8 83.8#

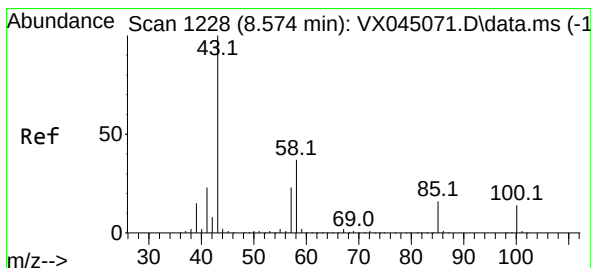
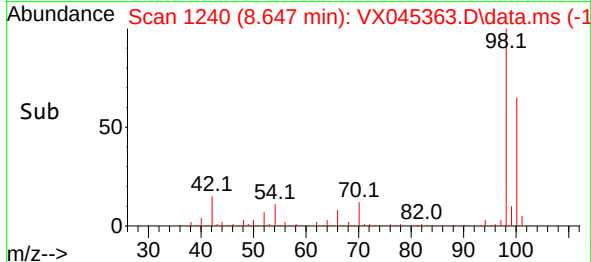
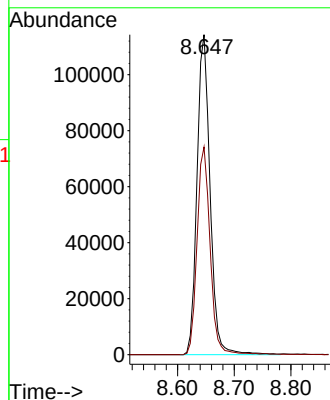
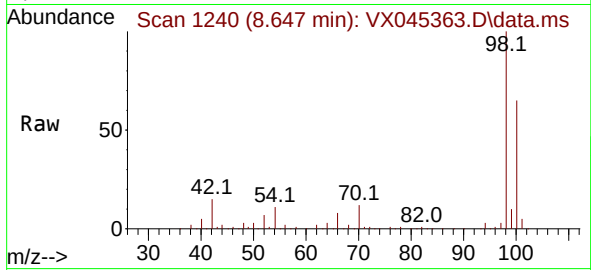




#50
Toluene-d8
Concen: 51.118 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

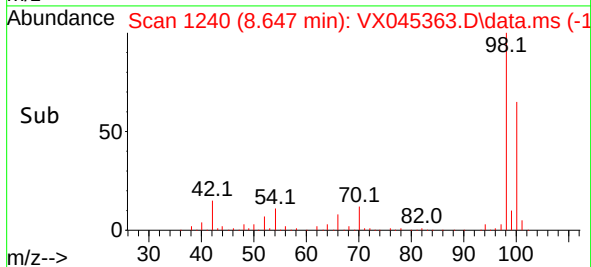
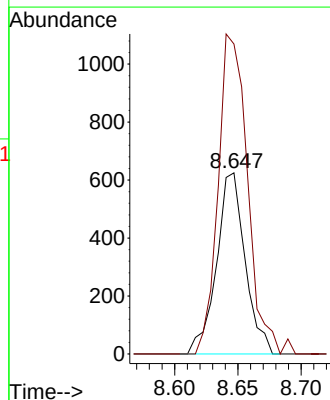
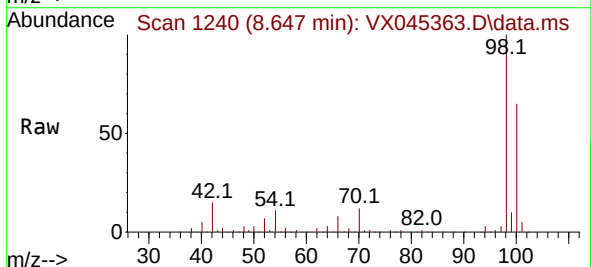
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313

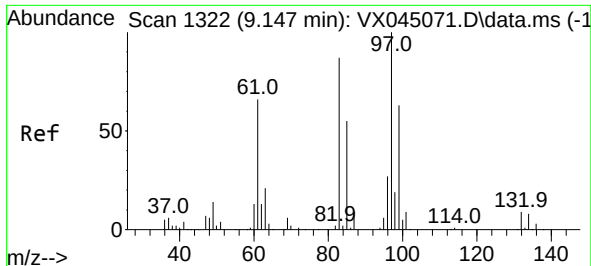
Tgt Ion: 98 Resp: 183069
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.568 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Tgt Ion: 43 Resp: 984
Ion Ratio Lower Upper
43 100
58 181.6 29.2 43.8#





#55

1,1,2-Trichloroethane

Concen: 0.799 ug/l

RT: 9.159 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX045363.D

Acq: 20 Mar 2025 15:59

Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20250313

Tgt Ion: 97 Resp: 826

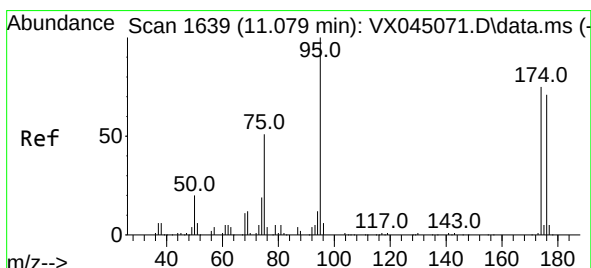
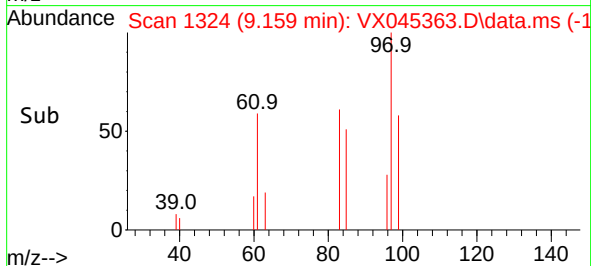
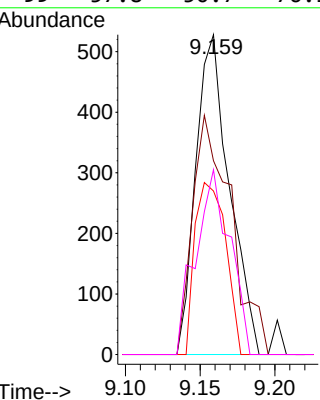
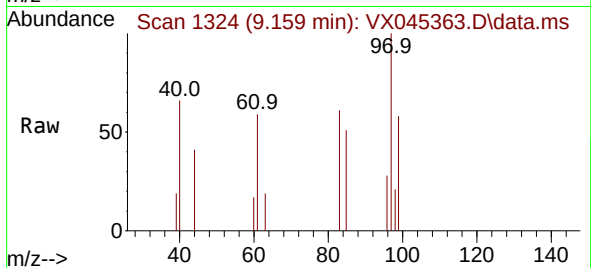
Ion Ratio Lower Upper

97 100

83 60.6 69.4 104.2#

85 51.1 44.1 66.1

99 57.8 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 55.174 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045363.D

Acq: 20 Mar 2025 15:59

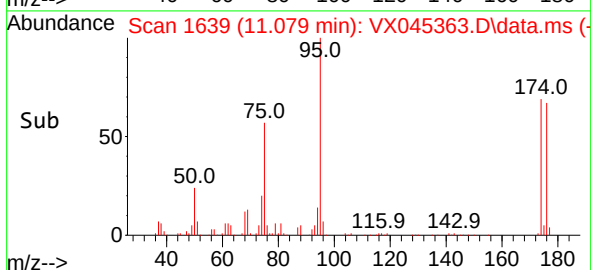
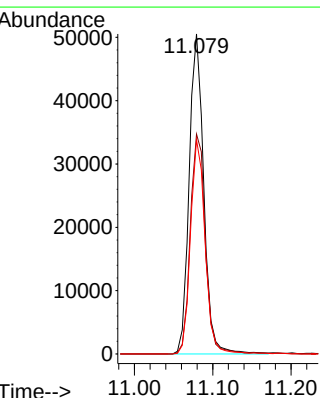
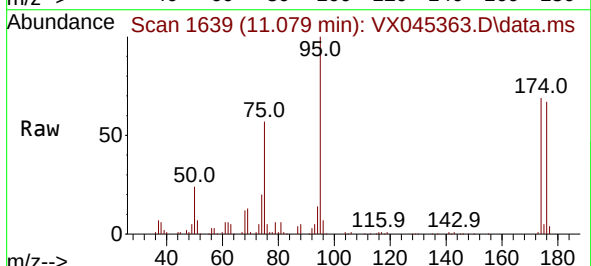
Tgt Ion: 95 Resp: 65477

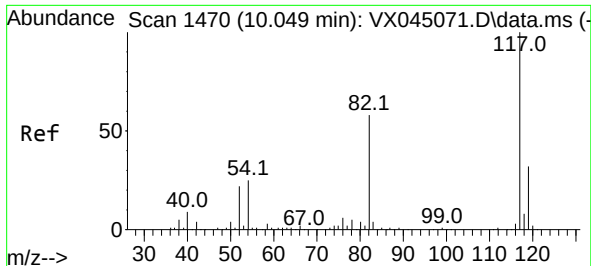
Ion Ratio Lower Upper

95 100

174 70.7 0.0 148.2

176 66.9 0.0 141.4

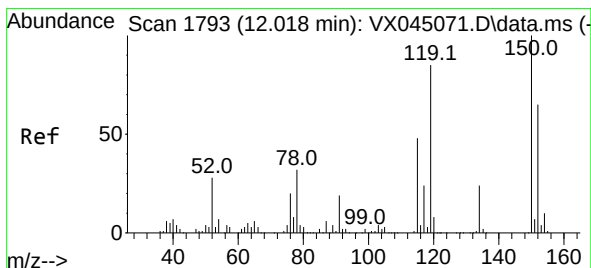
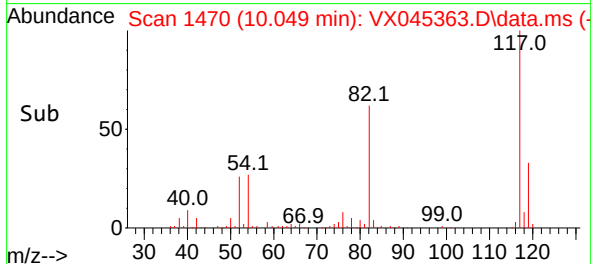
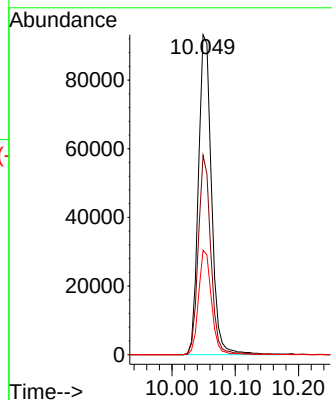
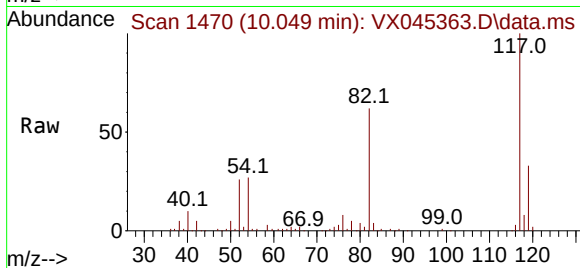




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

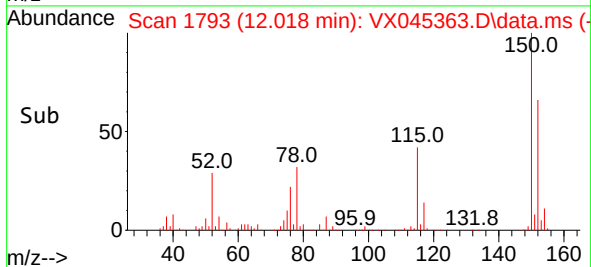
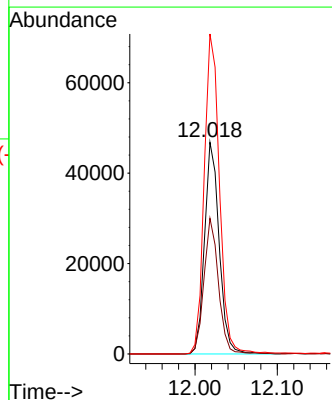
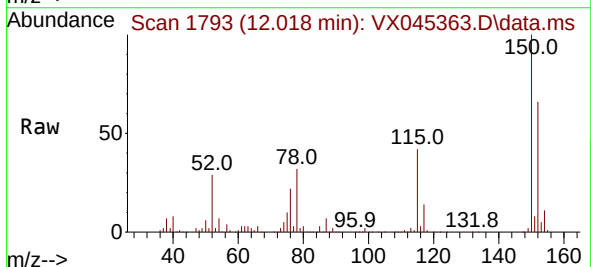
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313

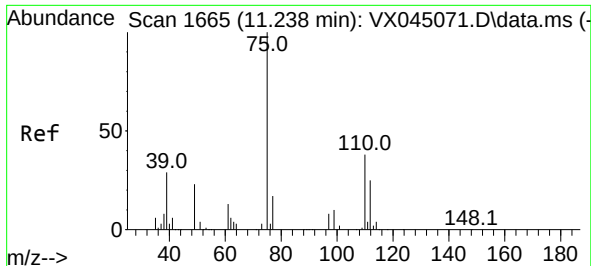
Tgt Ion:117 Resp: 134626
Ion Ratio Lower Upper
117 100
82 62.3 46.3 69.5
119 32.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Tgt Ion:152 Resp: 58076
Ion Ratio Lower Upper
152 100
115 63.5 44.2 132.6
150 157.6 0.0 349.0

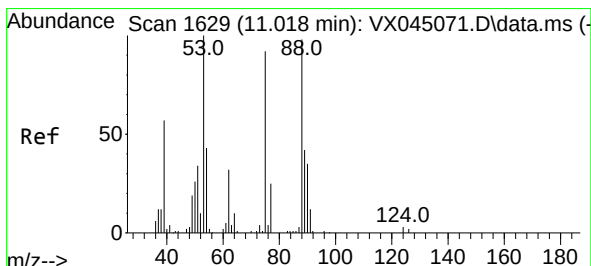
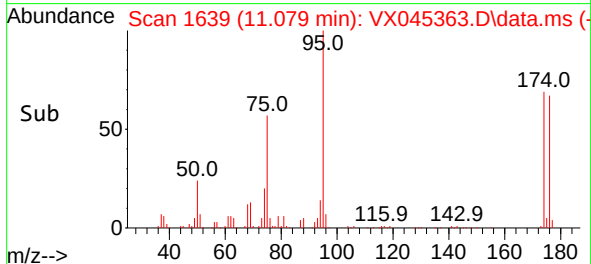
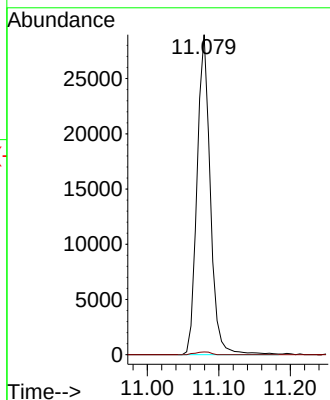
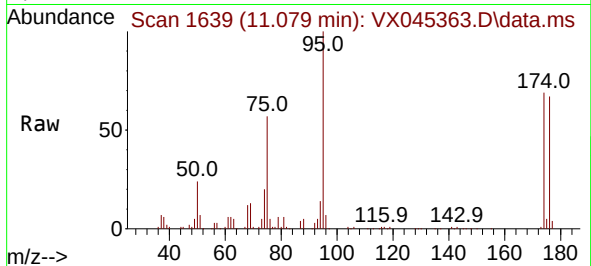




#76
1,2,3-Trichloropropane
Concen: 27.579 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20250313

Tgt Ion: 75 Resp: 37279
Ion Ratio Lower Upper
75 100
77 1.0 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.380 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045363.D
Acq: 20 Mar 2025 15:59

Tgt Ion: 75 Resp: 37279
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

