

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
 Data File : VX045364.D
 Acq On : 20 Mar 2025 16:22
 Operator : JC/MD
 Sample : Q1582-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20250313

Quant Time: Mar 21 01:50:27 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)

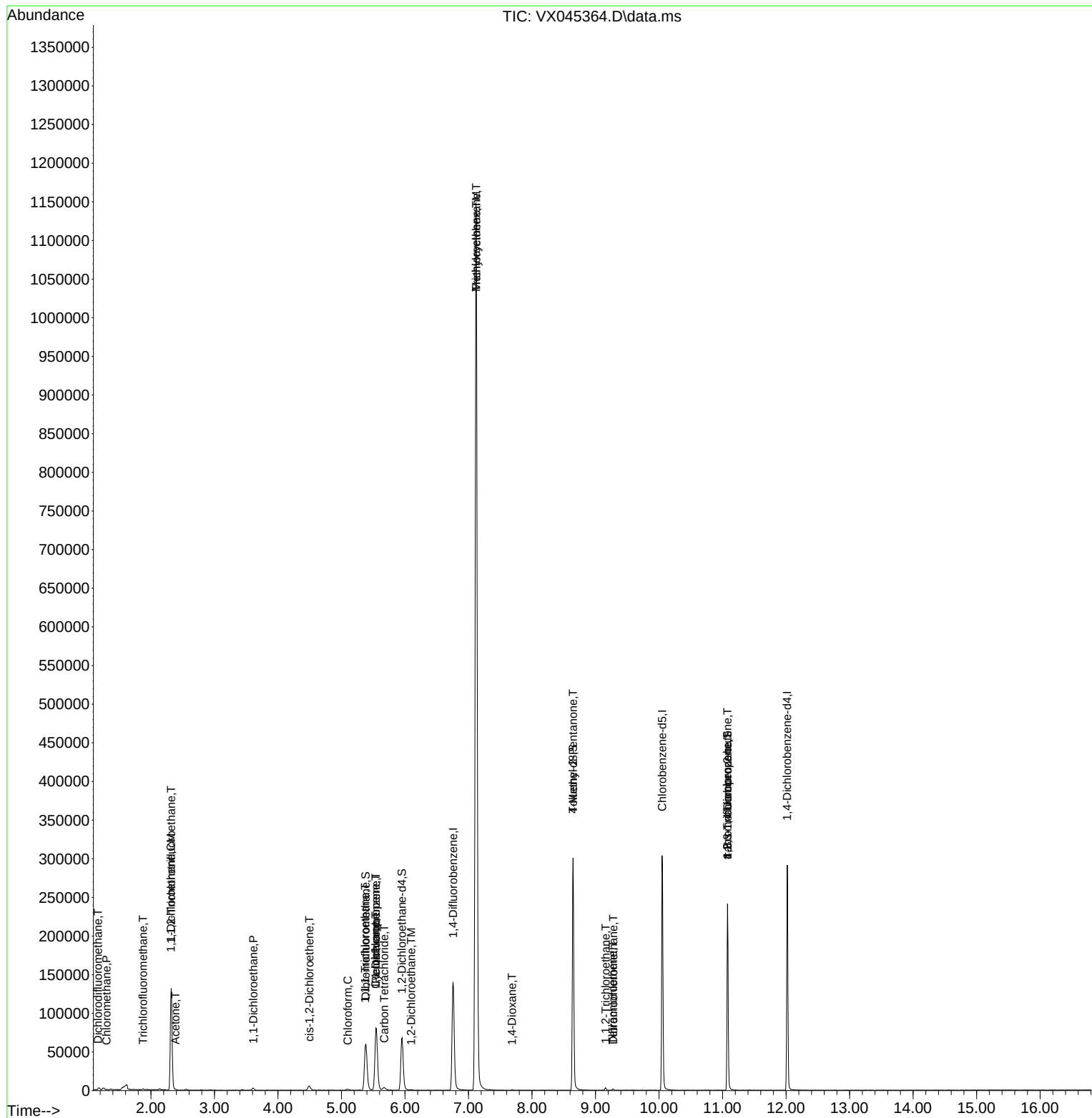
Internal Standards						
1) Pentafluorobenzene	5.544	168	71131	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139371	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65413	57.814	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 115.620%	
35) Dibromofluoromethane	5.379	113	50363	54.041	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.080%	
50) Toluene-d8	8.647	98	172087	50.934	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.860%	
62) 4-Bromofluorobenzene	11.079	95	60248	53.814	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.620%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	690	0.771	ug/l	95
3) Chloromethane	1.300	50	349	0.319	ug/l #	43
7) Trichlorofluoromethane	1.873	101	690	0.480	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.318	101	35846	43.359	ug/l	99
12) 1,1-Dichloroethene	2.312	96	17419	19.929	ug/l	99
16) Acetone	2.386	43	1004	1.913	ug/l #	78
24) 1,1-Dichloroethane	3.611	63	3404	1.920	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	3713	3.483	ug/l	96
30) Chloroform	5.098	83	1579	0.896	ug/l	96
31) Cyclohexane	5.537	56	2107	1.369	ug/l #	38
32) 1,1,1-Trichloroethane	5.373	97	2446	1.719	ug/l	94
36) 1,1-Dichloropropene	5.537	75	6575	5.145	ug/l #	51
38) Carbon Tetrachloride	5.672	117	2848	2.195	ug/l #	83
39) Methylcyclohexane	7.122	83	5697	3.720	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	711	0.489	ug/l #	75
44) Trichloroethene	7.122	130	410885	433.585	ug/l	98
49) 1,4-Dioxane	7.683	88	339	13.154	ug/l #	77
51) 4-Methyl-2-Pentanone	8.647	43	879	0.538	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	872	0.895	ug/l #	85
60) Dibromochloromethane	9.281	129	323	0.317	ug/l #	11
64) Tetrachloroethene	9.275	164	242	0.295	ug/l #	73
76) 1,2,3-Trichloropropane	11.079	75	35080	27.933	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35080	95.592	ug/l #	6

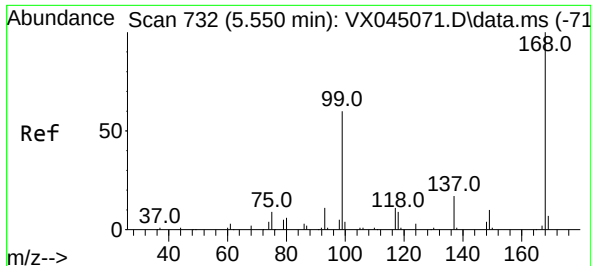
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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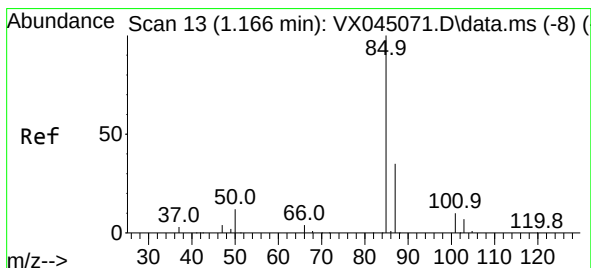
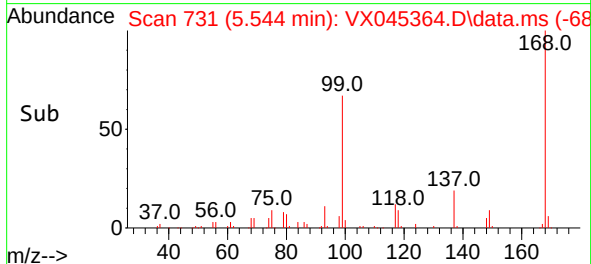
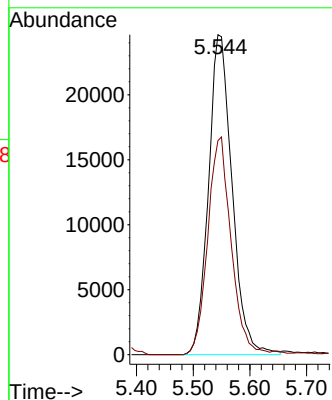
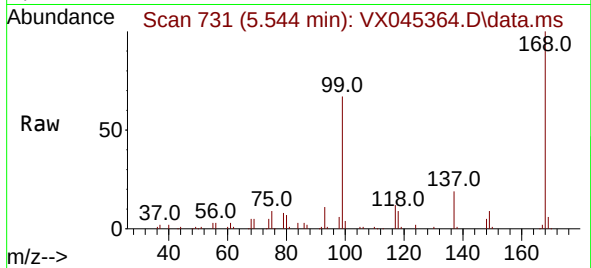




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

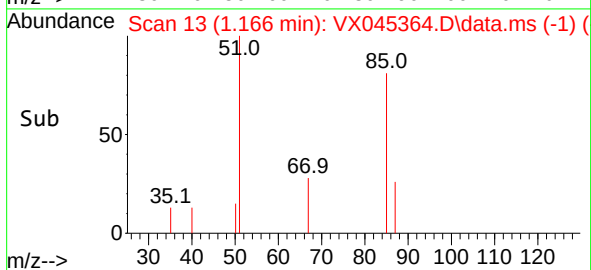
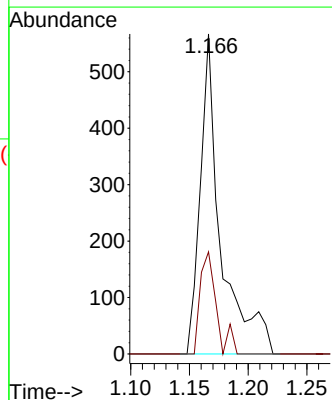
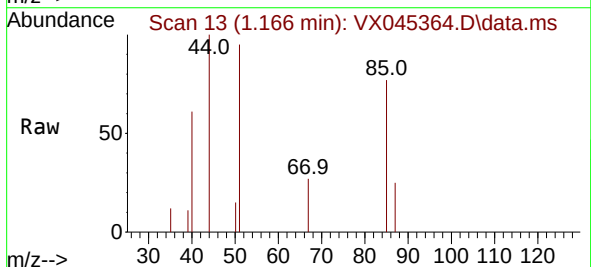
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313

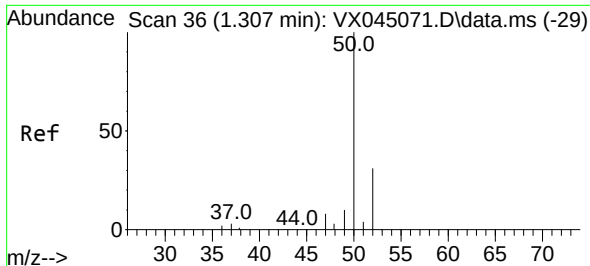
Tgt Ion:168 Resp: 71131
Ion Ratio Lower Upper
168 100
99 66.9 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.771 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Tgt Ion: 85 Resp: 690
Ion Ratio Lower Upper
85 100
87 31.9 17.4 52.3





#3

Chloromethane

Concen: 0.319 ug/l

RT: 1.300 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX045364.D

Acq: 20 Mar 2025 16:22

Instrument :

MSVOA_X

ClientSampleId :

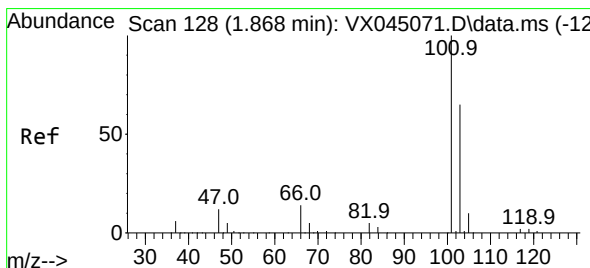
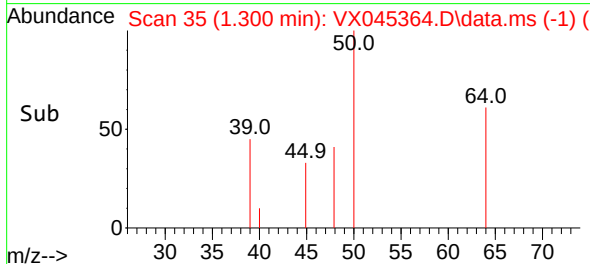
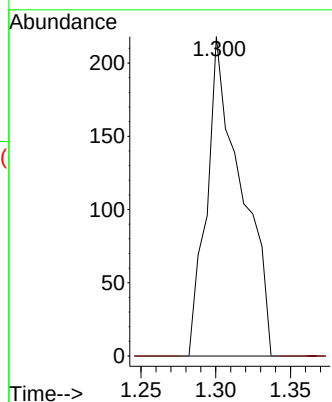
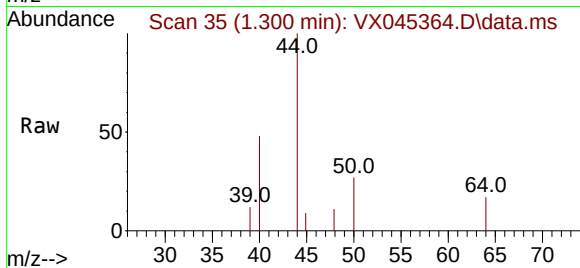
TT180D2-20250313

Tgt Ion: 50 Resp: 349

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



#7

Trichlorofluoromethane

Concen: 0.480 ug/l

RT: 1.873 min Scan# 129

Delta R.T. 0.006 min

Lab File: VX045364.D

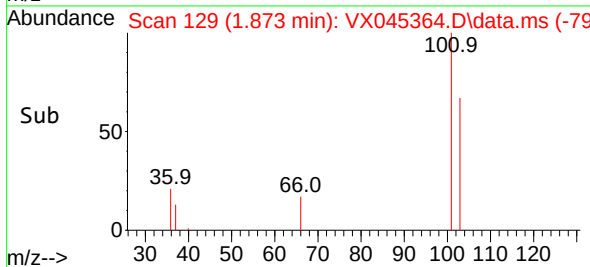
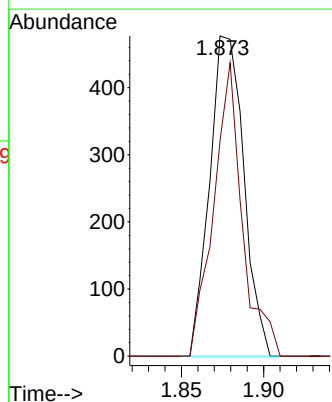
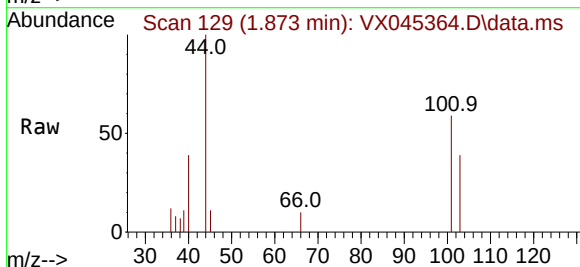
Acq: 20 Mar 2025 16:22

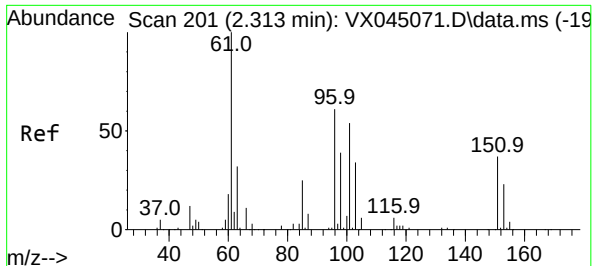
Tgt Ion: 101 Resp: 690

Ion Ratio Lower Upper

101 100

103 67.3 52.1 78.1

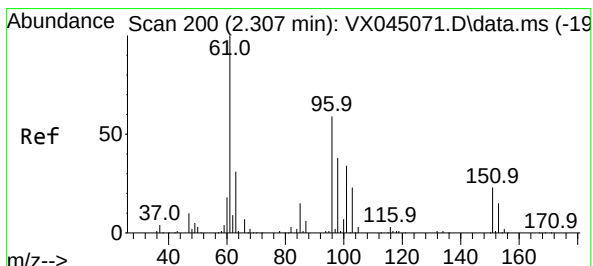
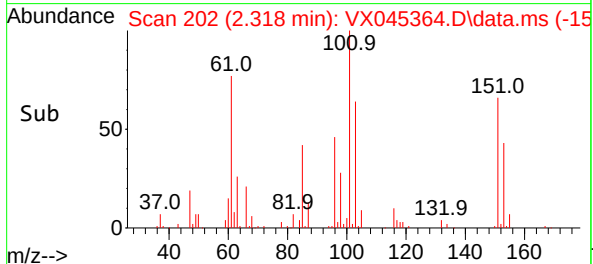
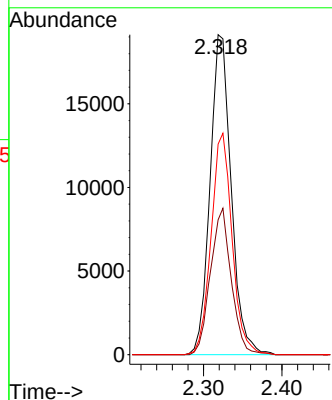
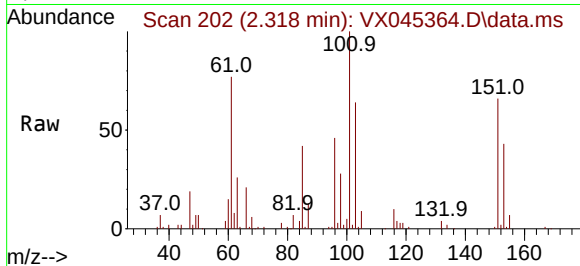




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 43.359 ug/l
 RT: 2.318 min Scan# 201
 Delta R.T. 0.006 min
 Lab File: VX045364.D
 Acq: 20 Mar 2025 16:22

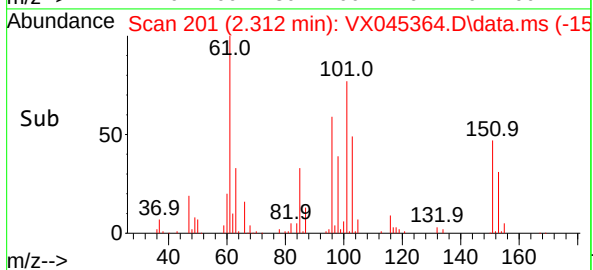
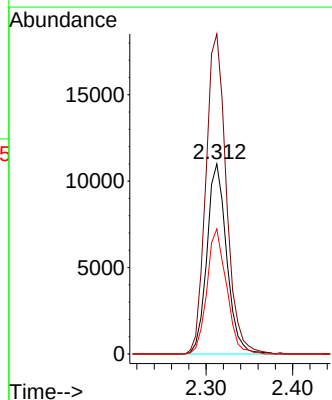
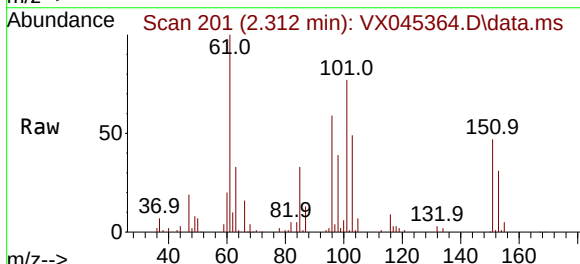
Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20250313

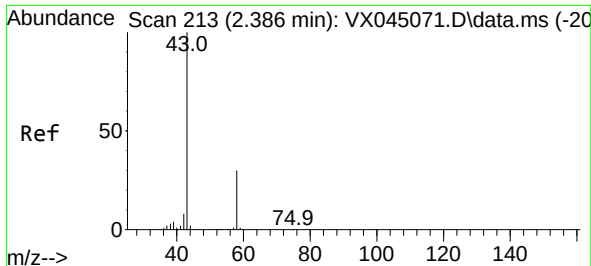
Tgt Ion:101 Resp: 35846
 Ion Ratio Lower Upper
 101 100
 85 45.2 36.2 54.4
 151 68.9 56.4 84.6



#12
 1,1-Dichloroethene
 Concen: 19.929 ug/l
 RT: 2.312 min Scan# 201
 Delta R.T. 0.006 min
 Lab File: VX045364.D
 Acq: 20 Mar 2025 16:22

Tgt Ion: 96 Resp: 17419
 Ion Ratio Lower Upper
 96 100
 61 168.3 134.6 202.0
 98 65.8 51.0 76.6

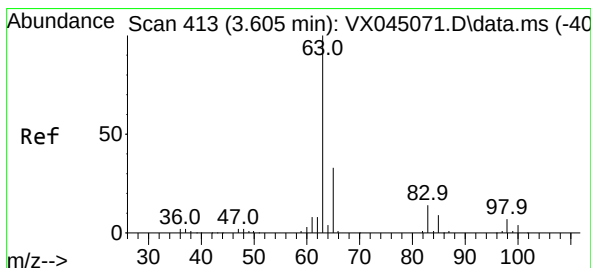
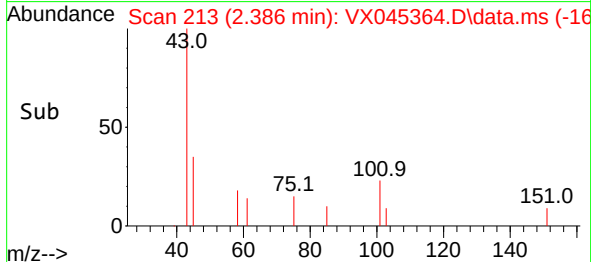
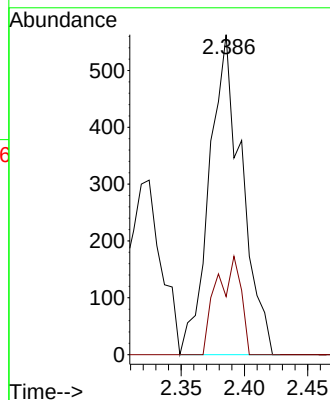
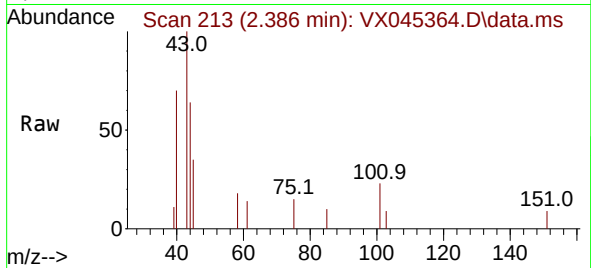




#16
Acetone
Concen: 1.913 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

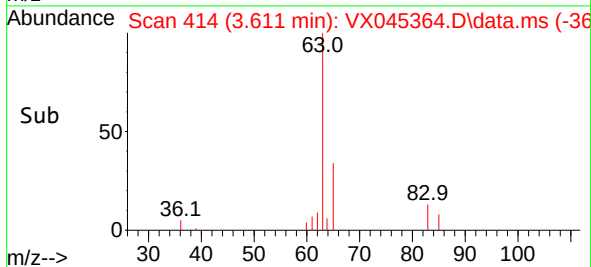
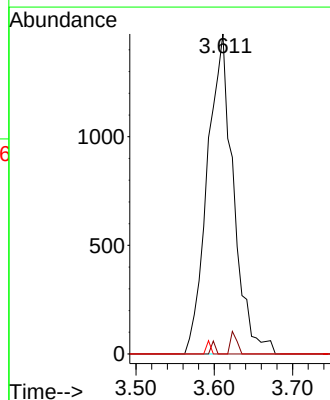
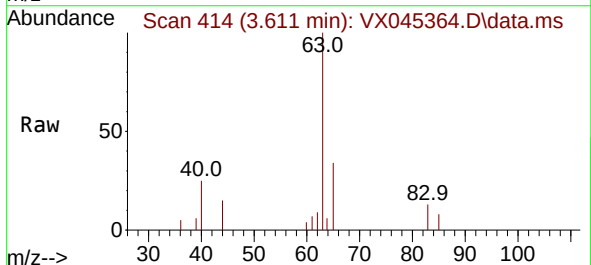
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313

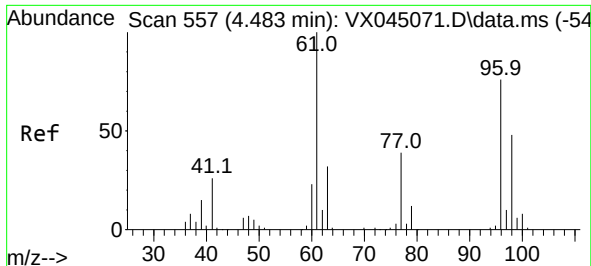
Tgt Ion: 43 Resp: 1004
Ion Ratio Lower Upper
43 100
58 18.1 24.2 36.4#



#24
1,1-Dichloroethane
Concen: 1.920 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Tgt Ion: 63 Resp: 3404
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: 3.483 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX045364.D

Acq: 20 Mar 2025 16:22

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20250313

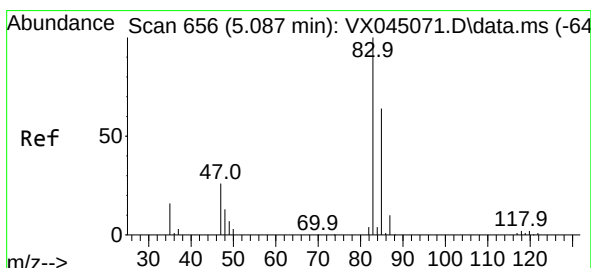
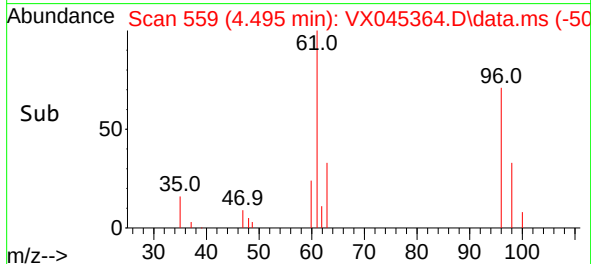
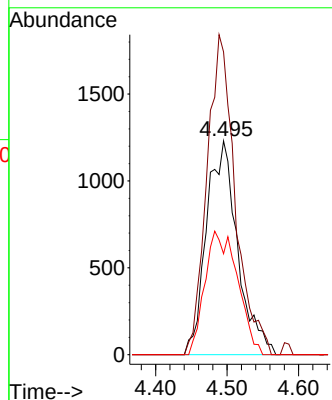
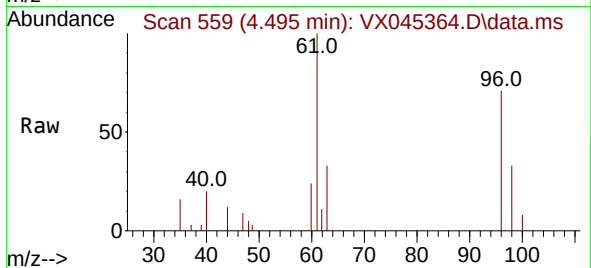
Tgt Ion: 96 Resp: 3713

Ion Ratio Lower Upper

96 100

61 136.2 0.0 283.2

98 60.8 0.0 128.0



#30

Chloroform

Concen: 0.896 ug/l

RT: 5.098 min Scan# 658

Delta R.T. 0.012 min

Lab File: VX045364.D

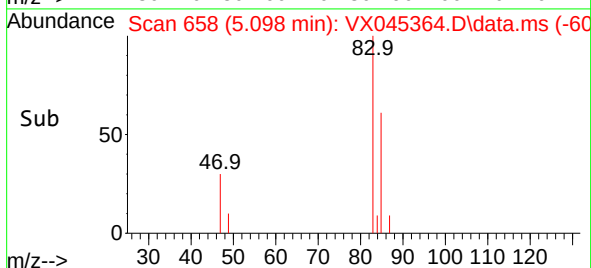
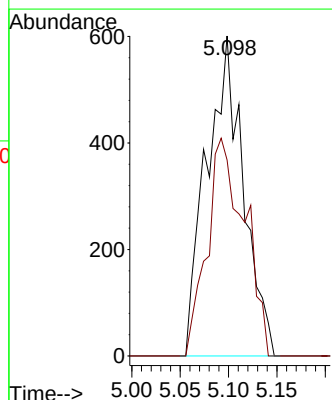
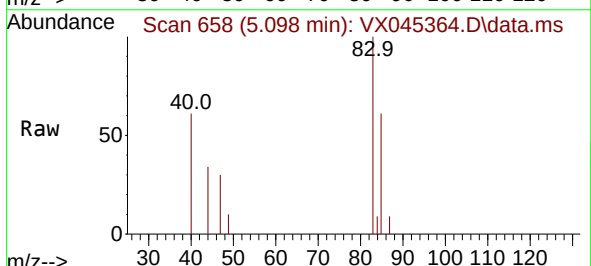
Acq: 20 Mar 2025 16:22

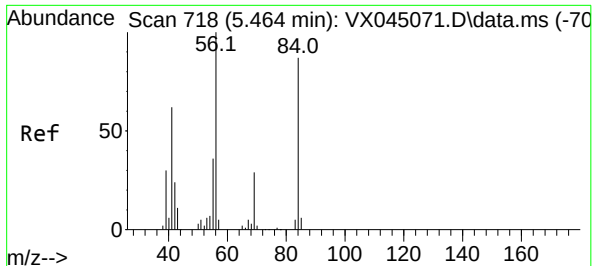
Tgt Ion: 83 Resp: 1579

Ion Ratio Lower Upper

83 100

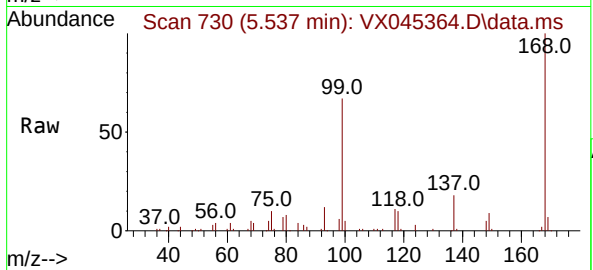
85 61.2 51.4 77.2





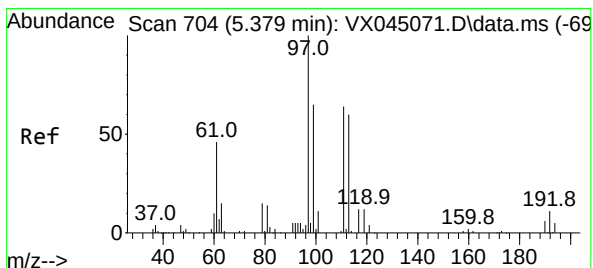
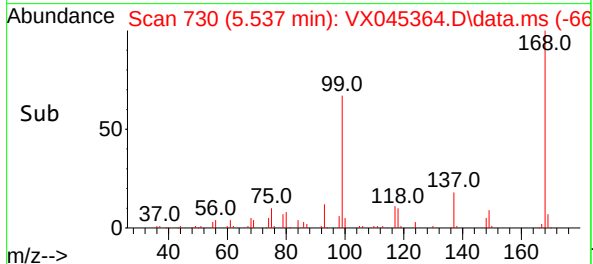
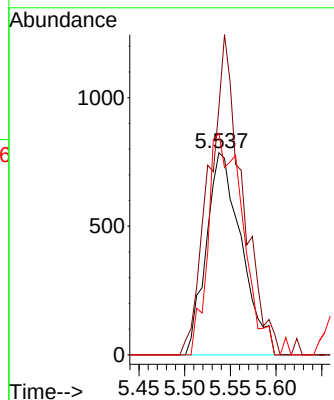
#31
Cyclohexane
Concen: 1.369 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion: 56 Resp: 2107

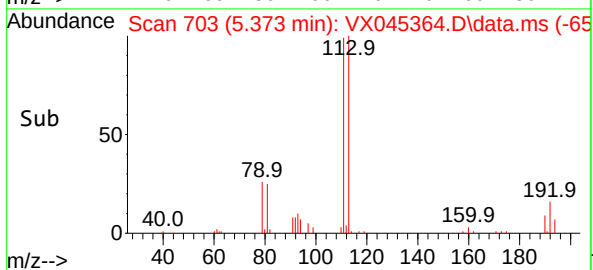
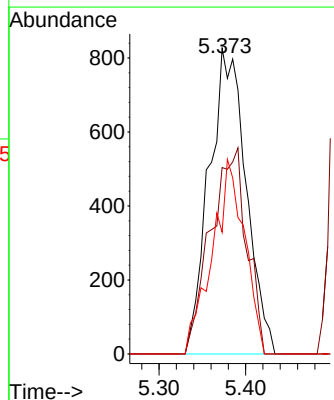
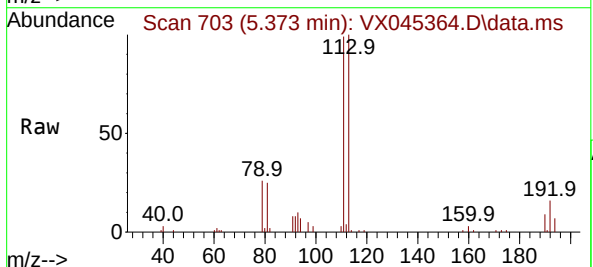
Ion	Ratio	Lower	Upper
56	100		
69	122.4	23.4	35.2#
84	109.5	69.4	104.2#

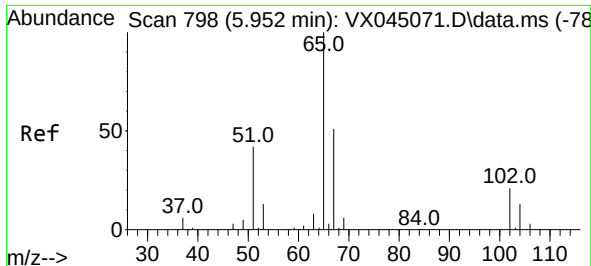


#32
1,1,1-Trichloroethane
Concen: 1.719 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Tgt Ion: 97 Resp: 2446

Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.6	77.4
61	55.7	38.4	57.6





#33

1,2-Dichloroethane-d4

Concen: 57.814 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045364.D

Acq: 20 Mar 2025 16:22

Instrument :

MSVOA_X

ClientSampleId :

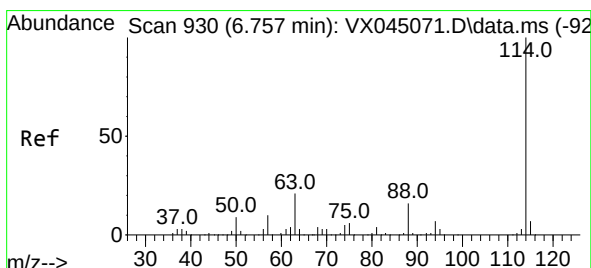
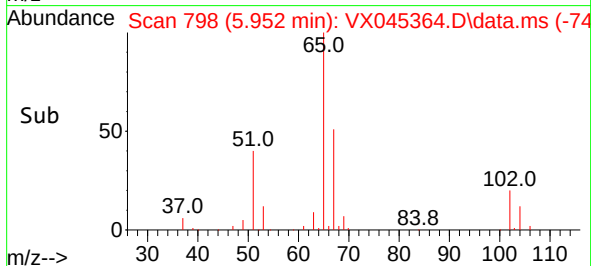
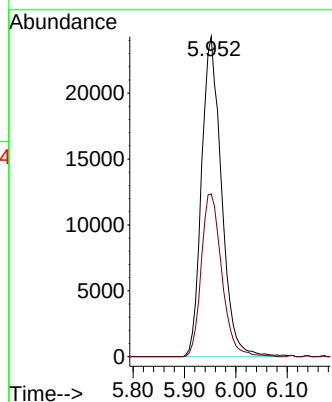
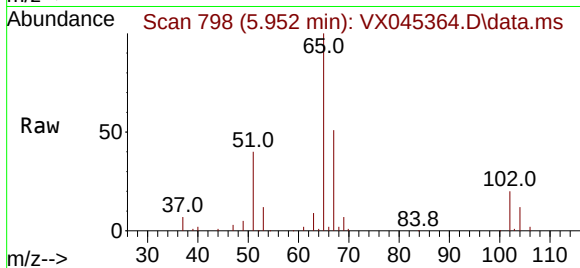
TT180D2-20250313

Tgt Ion: 65 Resp: 65413

Ion Ratio Lower Upper

65 100

67 52.4 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: VX045364.D

Acq: 20 Mar 2025 16:22

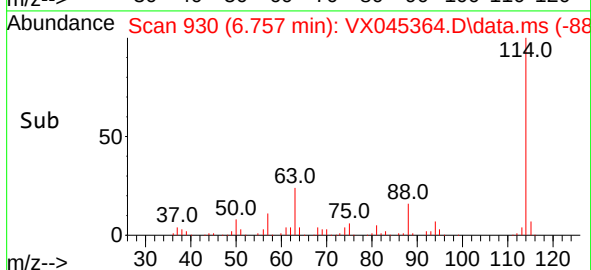
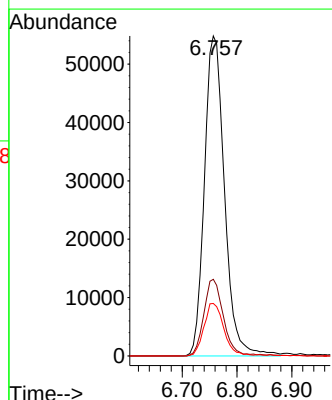
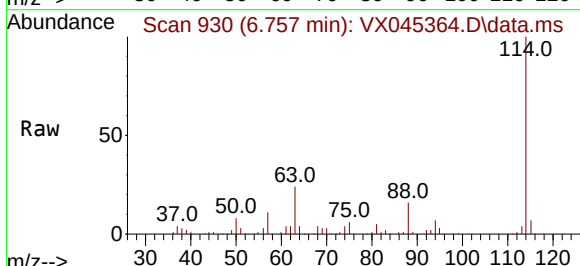
Tgt Ion: 114 Resp: 139371

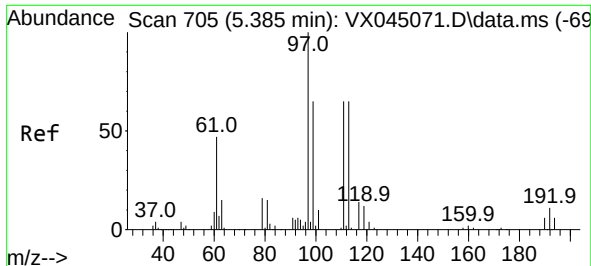
Ion Ratio Lower Upper

114 100

63 24.0 0.0 41.8

88 16.4 0.0 32.8

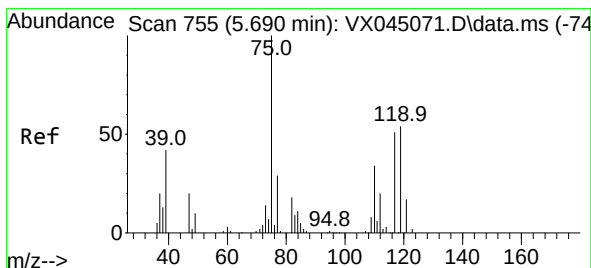
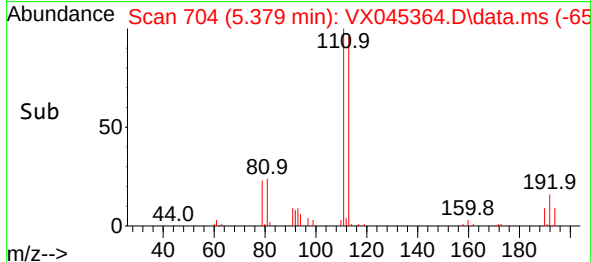
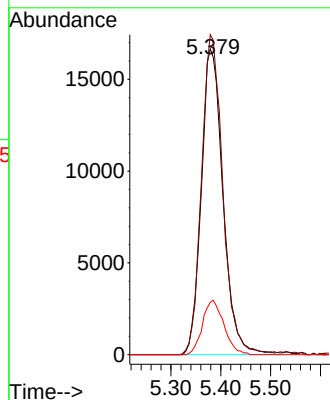
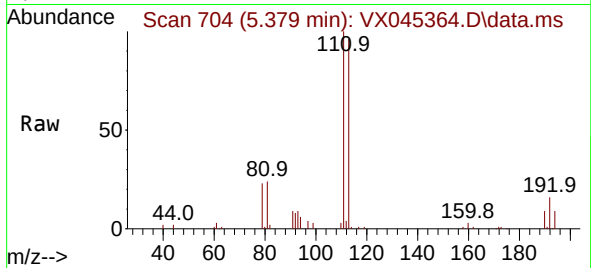




#35
 Dibromofluoromethane
 Concen: 54.041 ug/l
 RT: 5.379 min Scan# 705
 Delta R.T. -0.006 min
 Lab File: VX045364.D
 Acq: 20 Mar 2025 16:22

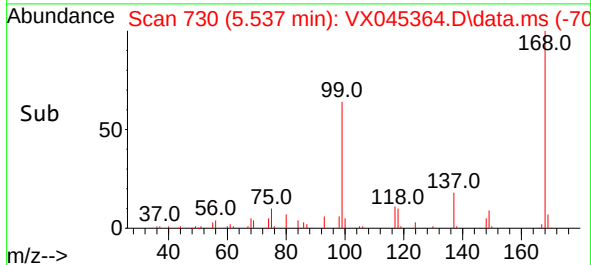
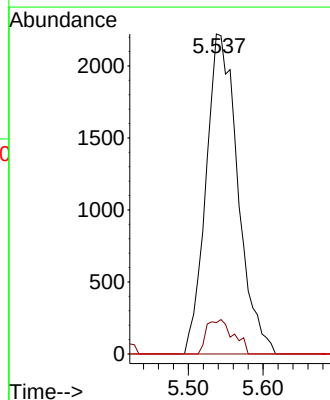
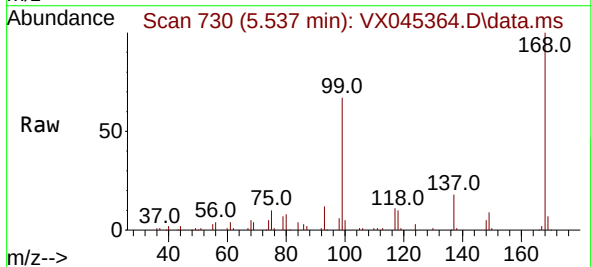
Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20250313

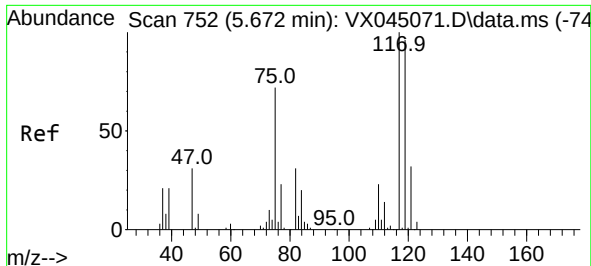
Tgt Ion:113 Resp: 50363
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.8 122.6
 192 17.6 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 5.145 ug/l
 RT: 5.537 min Scan# 730
 Delta R.T. -0.153 min
 Lab File: VX045364.D
 Acq: 20 Mar 2025 16:22

Tgt Ion: 75 Resp: 6575
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.9 50.6#
 77 0.0 24.5 36.7#

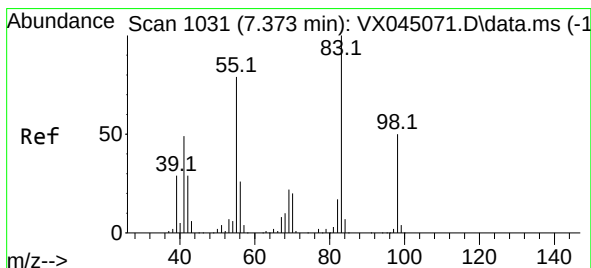
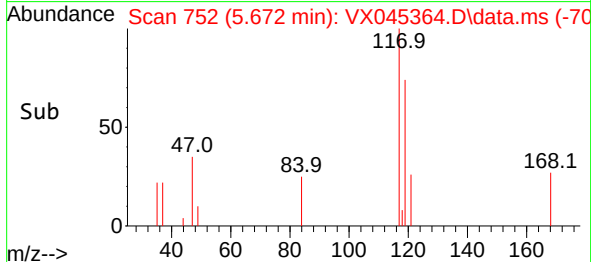
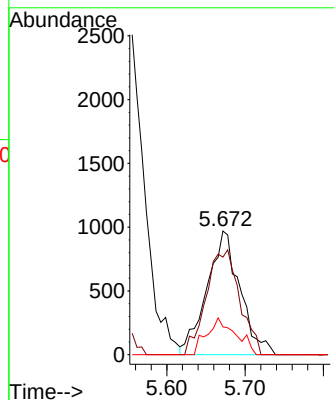
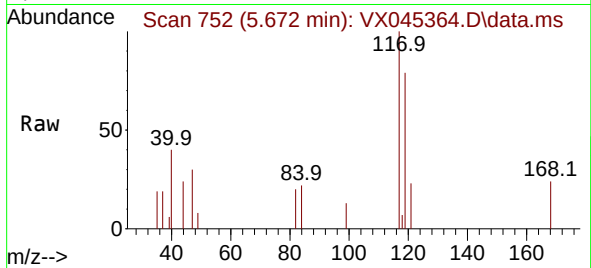




#38
Carbon Tetrachloride
Concen: 2.195 ug/l
RT: 5.672 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

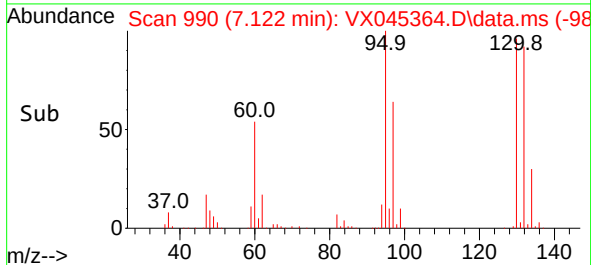
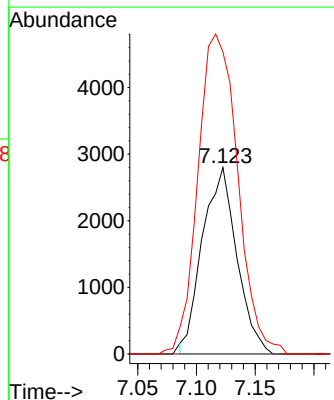
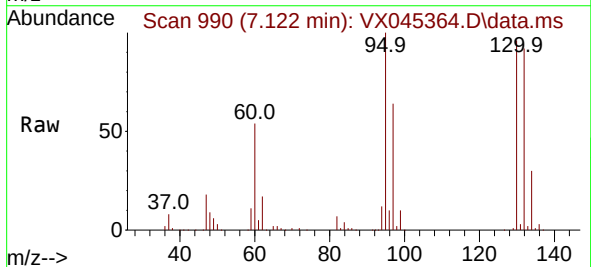
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313

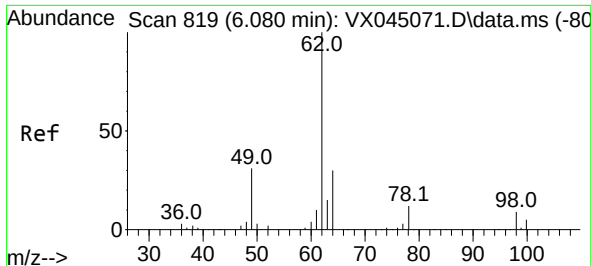
Tgt Ion:117 Resp: 2848
Ion Ratio Lower Upper
117 100
119 78.9 76.7 115.1
121 22.6 25.5 38.3#



#39
Methylcyclohexane
Concen: 3.720 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Tgt Ion: 83 Resp: 5697
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 166.8 39.7 59.5#





#42

1,2-Dichloroethane

Concen: 0.489 ug/l

RT: 6.098 min Scan# 819

Delta R.T. 0.018 min

Lab File: VX045364.D

Acq: 20 Mar 2025 16:22

Instrument :

MSVOA_X

ClientSampleId :

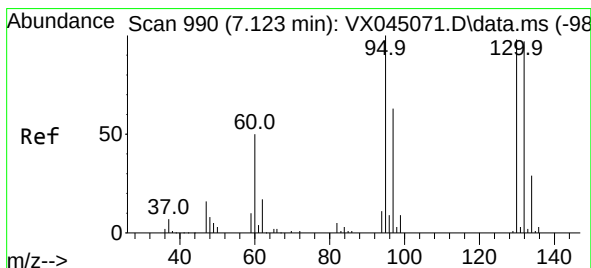
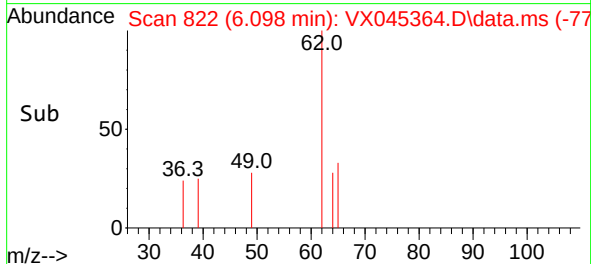
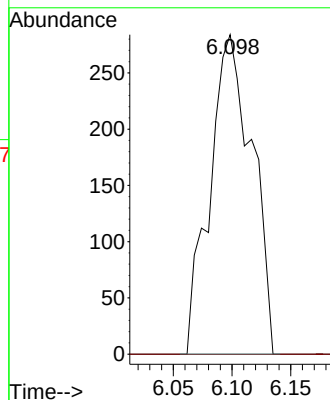
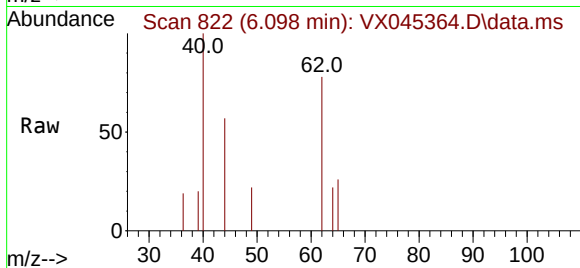
TT180D2-20250313

Tgt Ion: 62 Resp: 711

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#44

Trichloroethene

Concen: 433.585 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045364.D

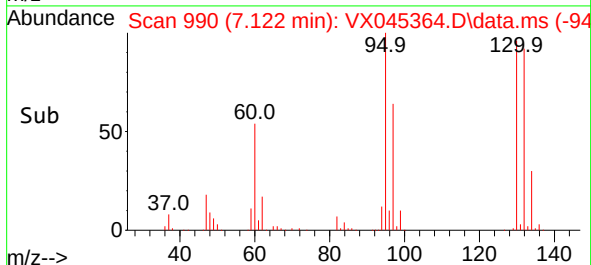
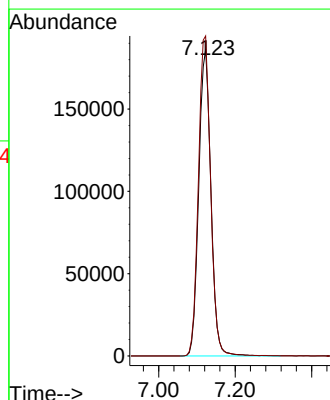
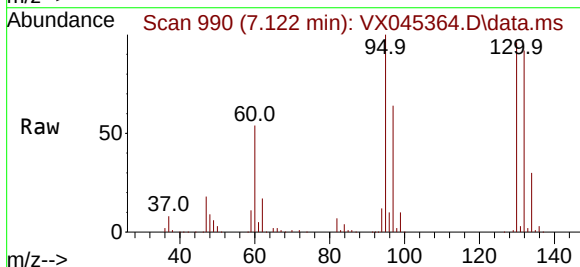
Acq: 20 Mar 2025 16:22

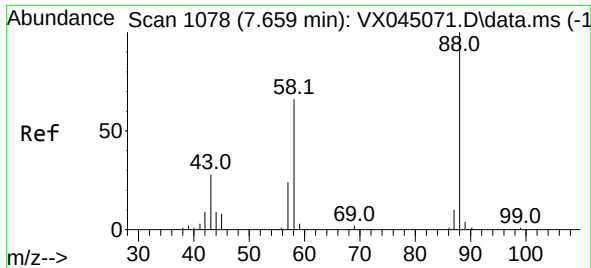
Tgt Ion:130 Resp: 410885

Ion Ratio Lower Upper

130 100

95 104.4 0.0 205.0

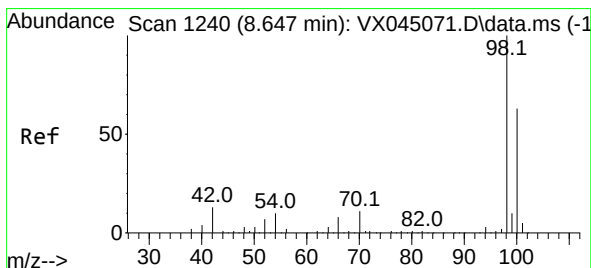
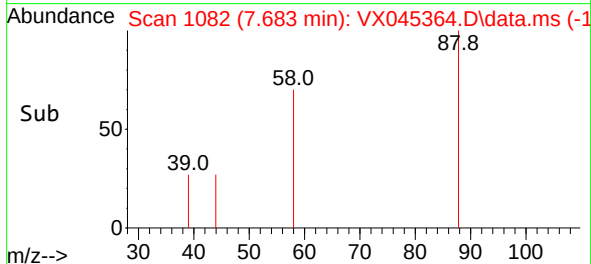
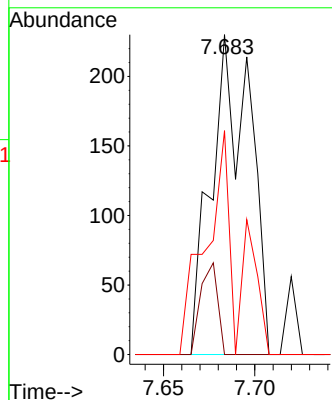
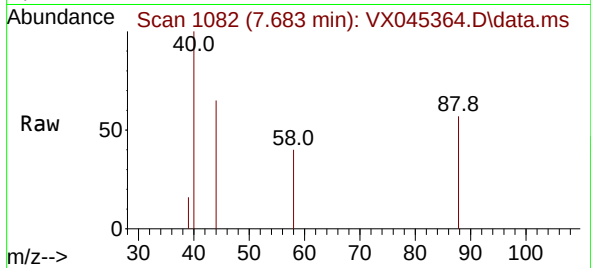




#49
1,4-Dioxane
Concen: 13.154 ug/l
RT: 7.683 min Scan# 1078
Delta R.T. 0.024 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

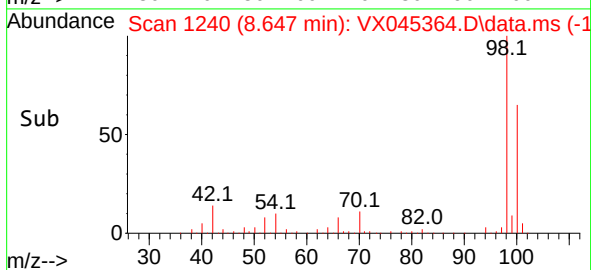
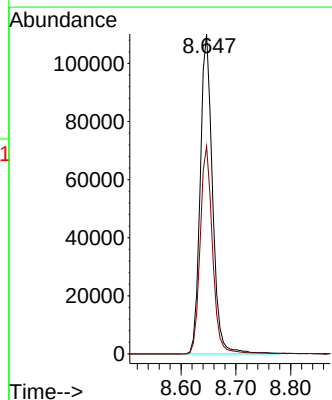
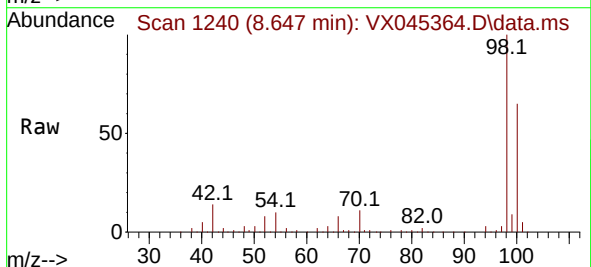
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313

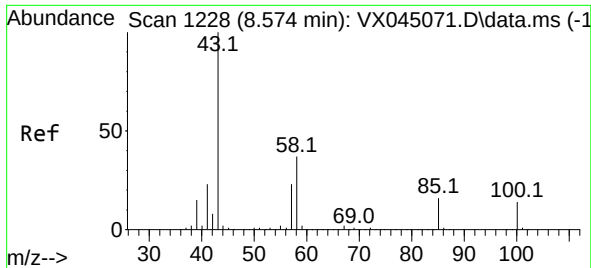
Tgt Ion: 88 Resp: 339
Ion Ratio Lower Upper
88 100
43 12.7 28.7 43.1#
58 58.4 55.8 83.8



#50
Toluene-d8
Concen: 50.934 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Tgt Ion: 98 Resp: 172087
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0

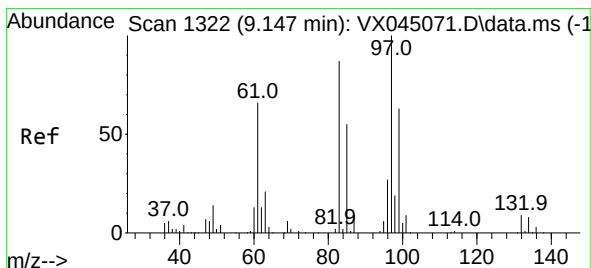
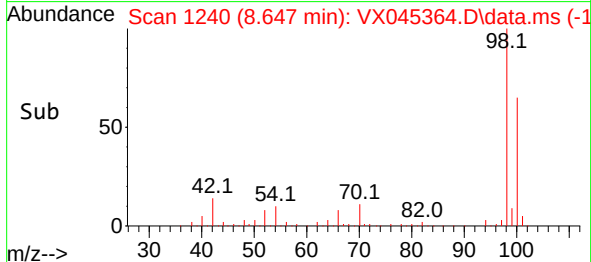
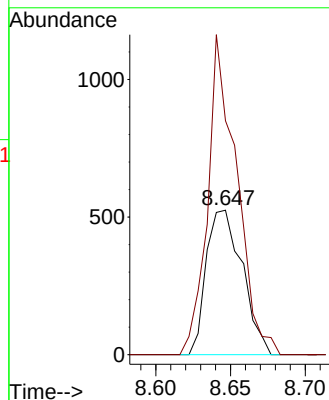
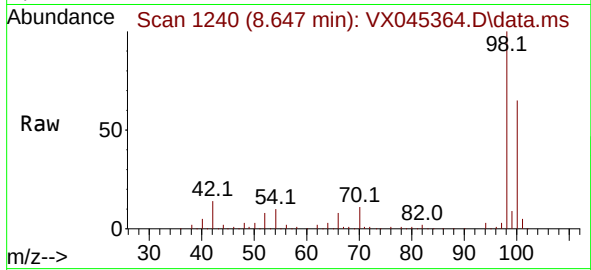




#51
4-Methyl-2-Pentanone
Concen: 0.538 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

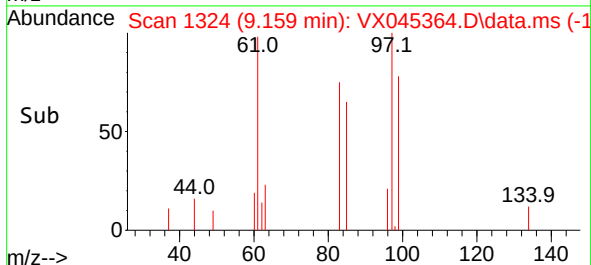
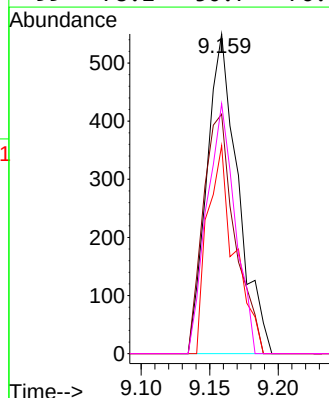
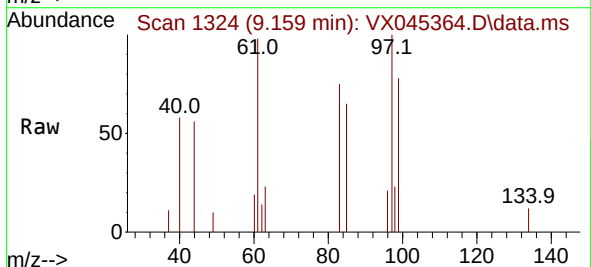
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313

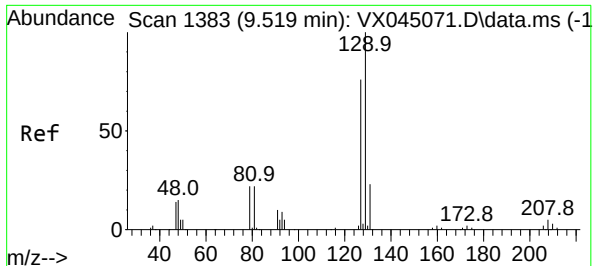
Tgt Ion: 43 Resp: 879
Ion Ratio Lower Upper
43 100
58 178.4 29.2 43.8#



#55
1,1,2-Trichloroethane
Concen: 0.895 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.012 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Tgt Ion: 97 Resp: 872
Ion Ratio Lower Upper
97 100
83 74.9 69.4 104.2
85 65.1 44.1 66.1
99 78.2 50.7 76.1#

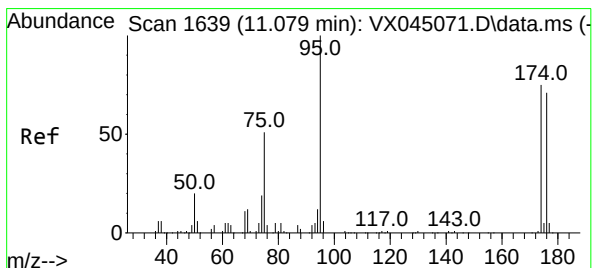
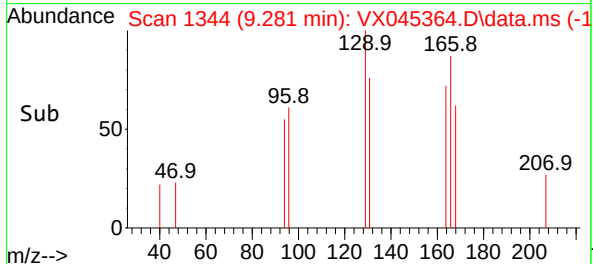
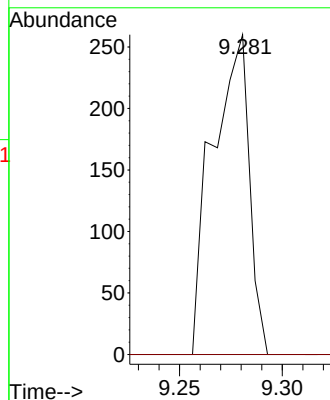
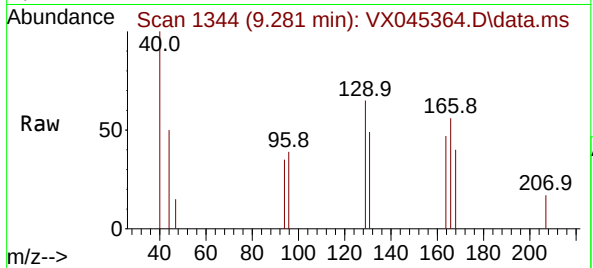




#60
Dibromochloromethane
Concen: 0.317 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.238 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

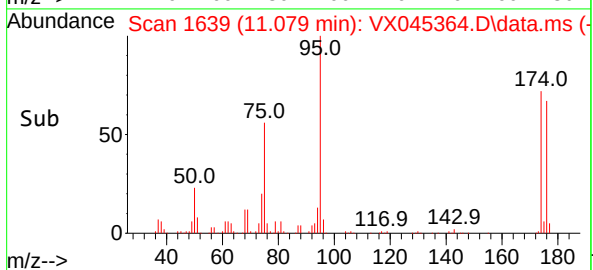
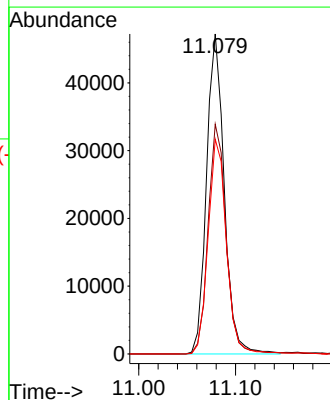
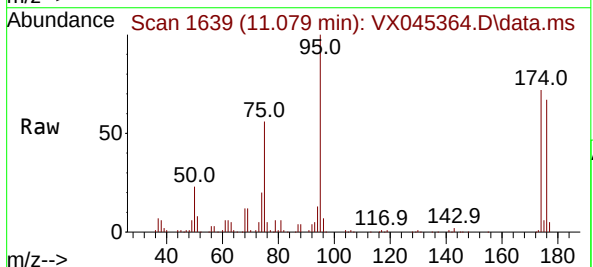
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20250313

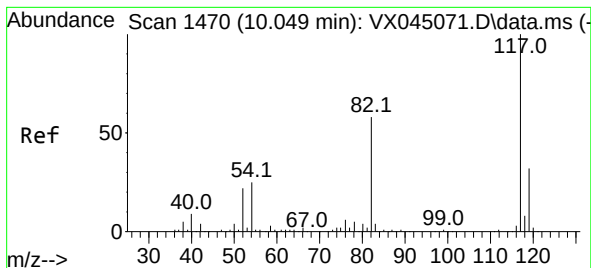
Tgt Ion:129 Resp: 323
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 53.814 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045364.D
Acq: 20 Mar 2025 16:22

Tgt Ion: 95 Resp: 60248
Ion Ratio Lower Upper
95 100
174 73.2 0.0 148.2
176 69.2 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: VX045364.D

Acq: 20 Mar 2025 16:22

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20250313

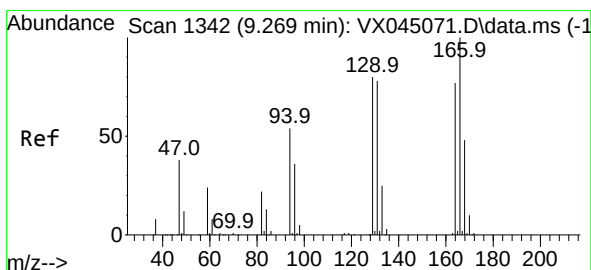
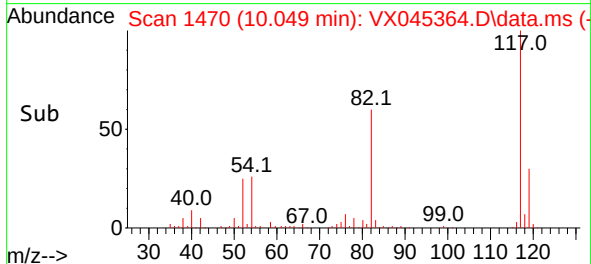
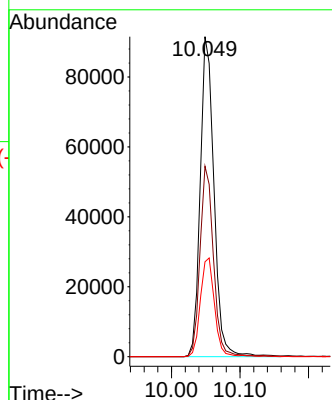
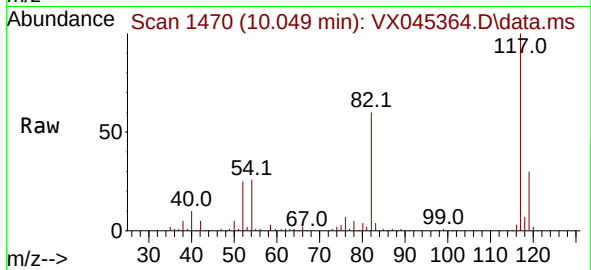
Tgt Ion:117 Resp: 128166

Ion Ratio Lower Upper

117 100

82 59.5 46.3 69.5

119 29.6 25.7 38.5



#64

Tetrachloroethene

Concen: 0.295 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX045364.D

Acq: 20 Mar 2025 16:22

Tgt Ion:164 Resp: 242

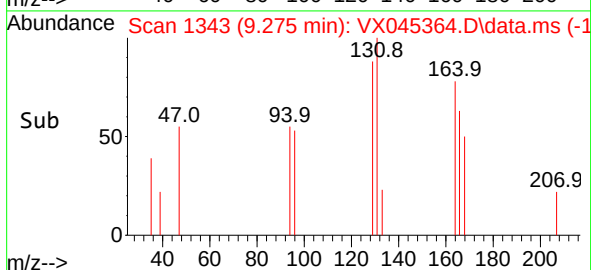
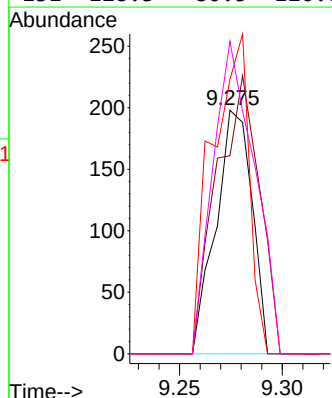
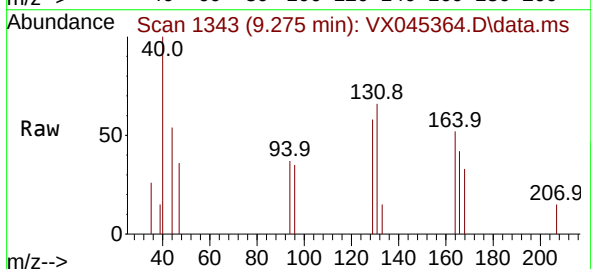
Ion Ratio Lower Upper

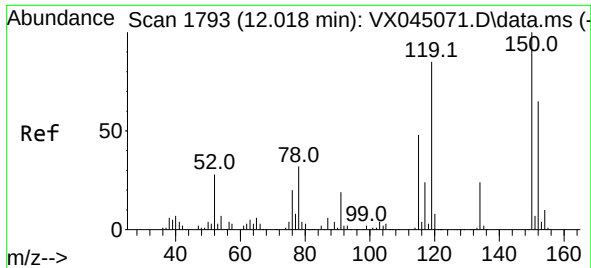
164 100

166 81.3 103.6 155.4#

129 112.6 82.7 124.1

131 128.3 80.5 120.7#

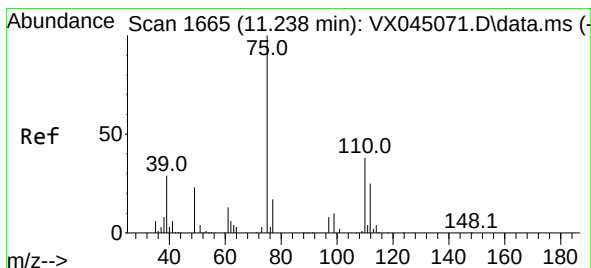
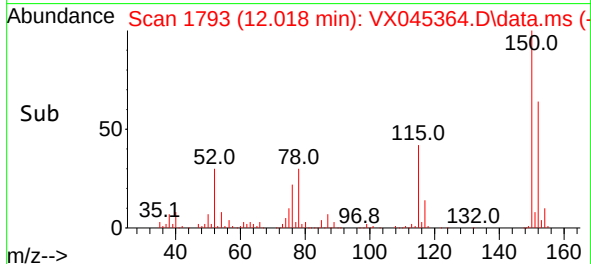
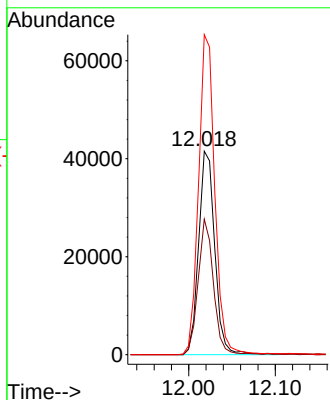
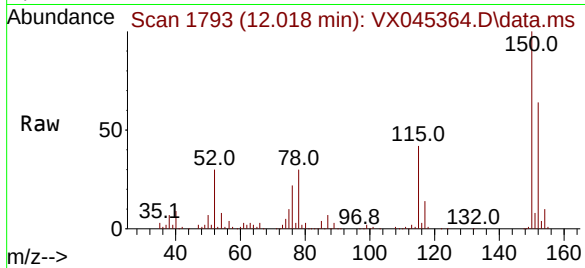




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045364.D
 Acq: 20 Mar 2025 16:22

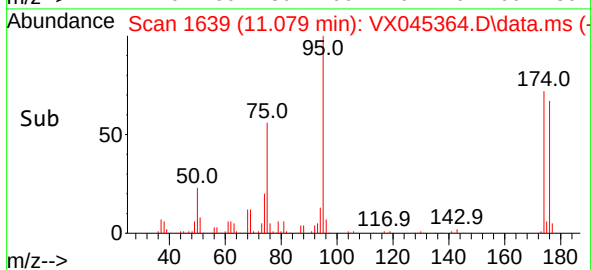
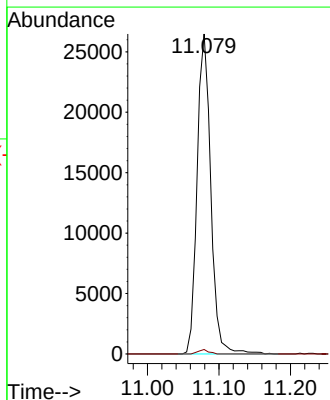
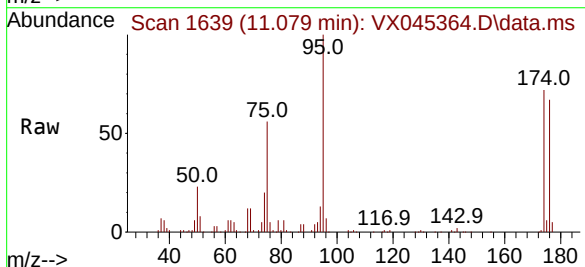
Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20250313

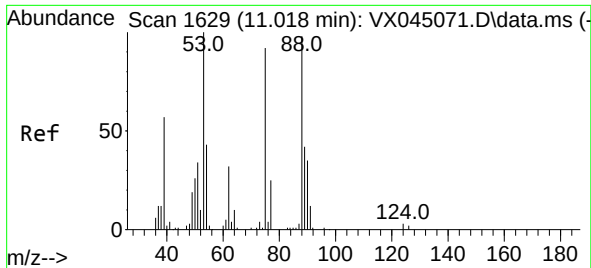
Tgt Ion:152 Resp: 53957
 Ion Ratio Lower Upper
 152 100
 115 63.0 44.2 132.6
 150 158.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.933 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045364.D
 Acq: 20 Mar 2025 16:22

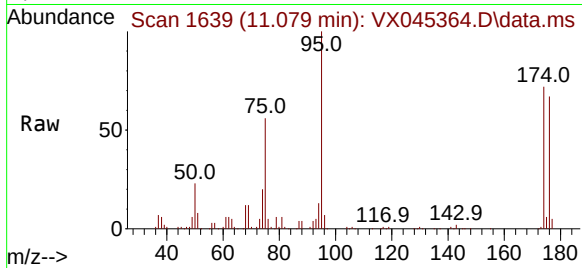
Tgt Ion: 75 Resp: 35080
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.592 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045364.D
 Acq: 20 Mar 2025 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20250313



Tgt Ion: 75 Resp: 35080
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

