

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092524\
 Data File : VX043154.D
 Acq On : 25 Sep 2024 15:35
 Operator : JC/MD
 Sample : P4164-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20240923

Quant Time: Sep 26 01:36:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 03:13:52 2024
 Response via : Initial Calibration

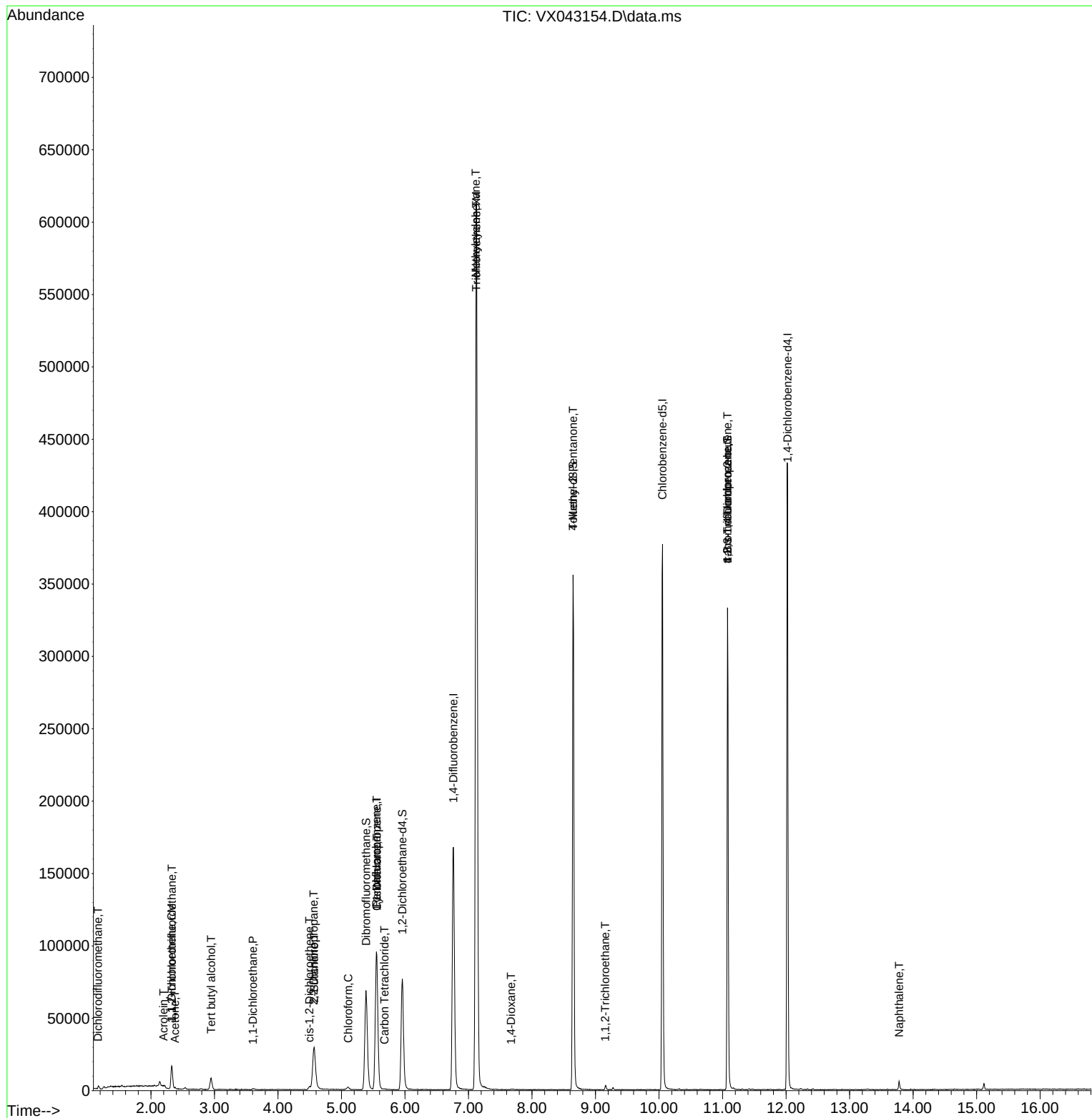
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	84914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	172364	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77796	55.156	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.320%	
35) Dibromofluoromethane	5.385	113	59008	48.530	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.060%	
50) Toluene-d8	8.647	98	207113	50.347	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.700%	
62) 4-Bromofluorobenzene	11.079	95	87802	53.000	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1256	1.387	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	4168	4.430	ug/l	96
11) Tert butyl alcohol	2.946	59	4362	13.851	ug/l #	71
12) 1,1-Dichloroethene	2.325	96	2295	2.550	ug/l	87
13) Acrolein	2.197	56	106	2.555	ug/l #	30
16) Acetone	2.380	43	1212	1.837	ug/l	94
24) 1,1-Dichloroethane	3.605	63	992	0.548	ug/l #	81
25) 2-Butanone	4.568	43	2195	2.581	ug/l #	70
26) 2,2-Dichloropropane	4.562	77	2343	1.280	ug/l #	54
27) cis-1,2-Dichloroethene	4.495	96	1473	1.271	ug/l	92
30) Chloroform	5.105	83	2040	1.023	ug/l	96
31) Cyclohexane	5.556	56	2108	1.520	ug/l #	42
36) 1,1-Dichloropropene	5.556	75	7645	5.117	ug/l #	49
38) Carbon Tetrachloride	5.678	117	405	0.210	ug/l #	71
39) Methylcyclohexane	7.116	83	2756	1.470	ug/l #	1
44) Trichloroethene	7.123	130	226242	187.557	ug/l	98
49) 1,4-Dioxane	7.671	88	419	14.416	ug/l #	43
51) 4-Methyl-2-Pentanone	8.647	43	1041	0.541	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	835	0.714	ug/l #	84
76) 1,2,3-Trichloropropane	11.079	75	47954	26.243	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	47954	62.527	ug/l #	7
95) Naphthalene	13.780	128	4051	0.677	ug/l	97

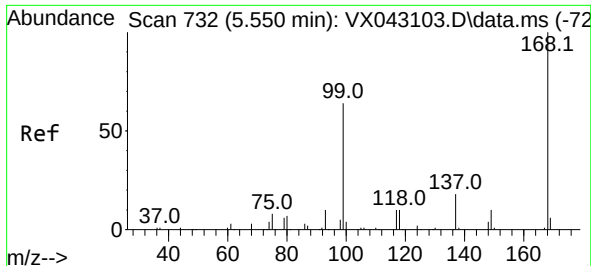
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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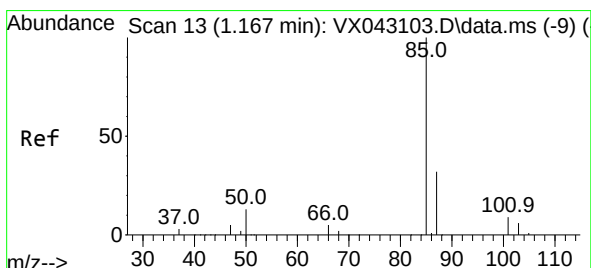
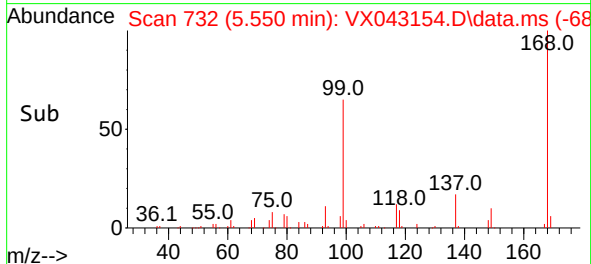
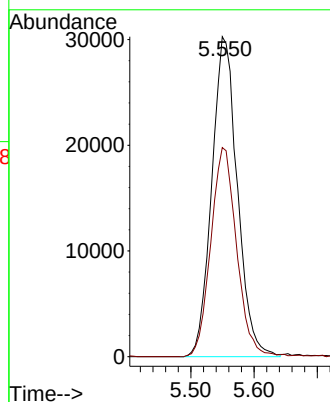
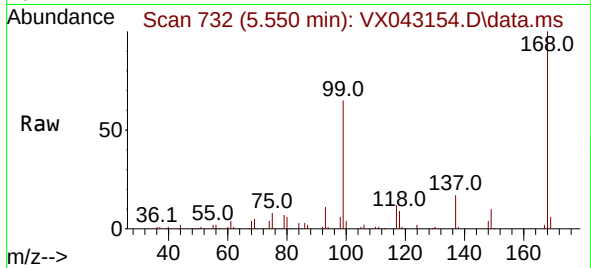




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

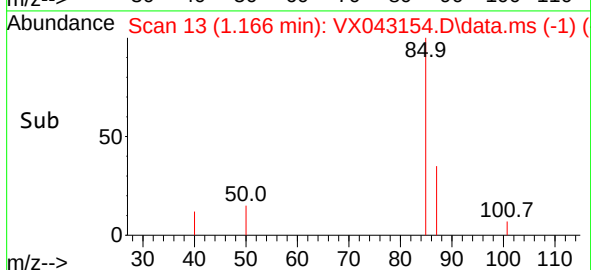
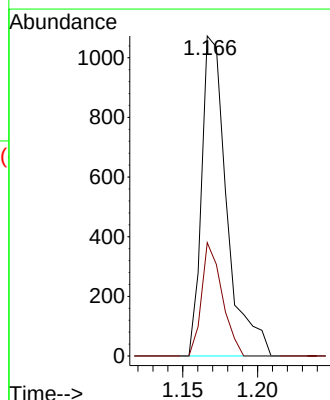
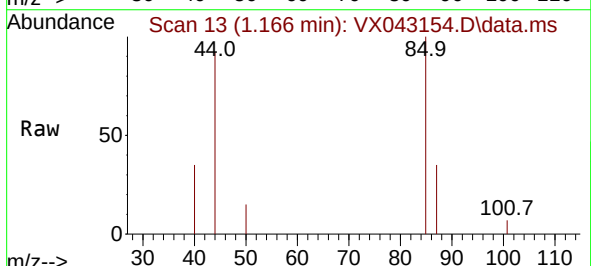
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20240923

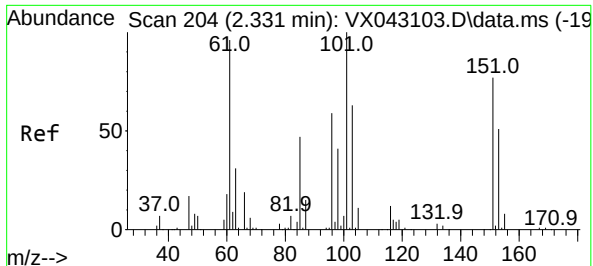
Tgt Ion:168 Resp: 84914
Ion Ratio Lower Upper
168 100
99 65.3 50.8 76.2



#2
Dichlorodifluoromethane
Concen: 1.387 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

Tgt Ion: 85 Resp: 1256
Ion Ratio Lower Upper
85 100
87 35.4 16.1 48.2

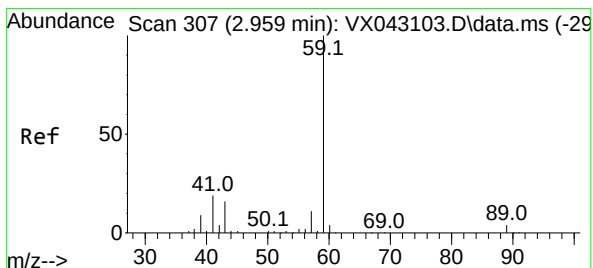
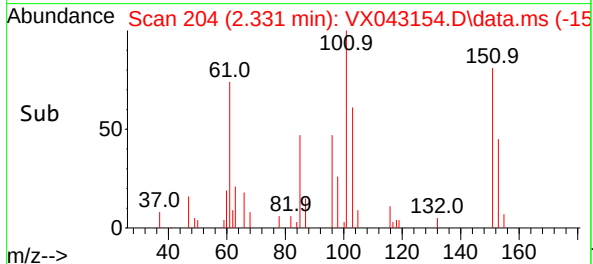
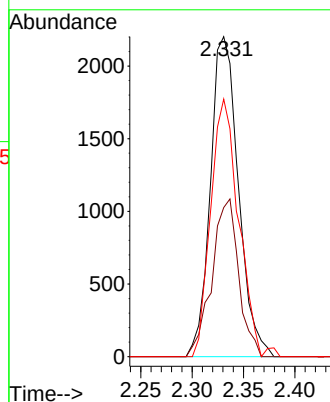
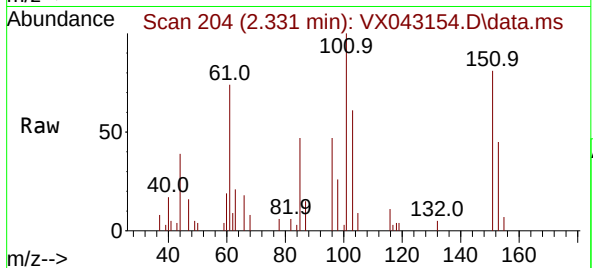




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.430 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

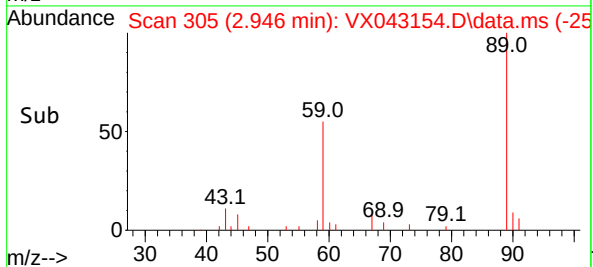
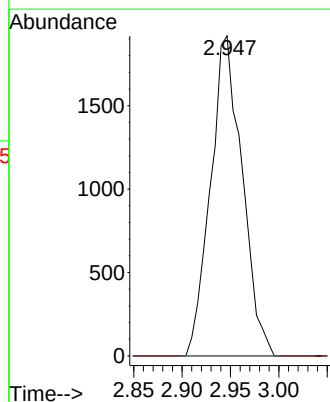
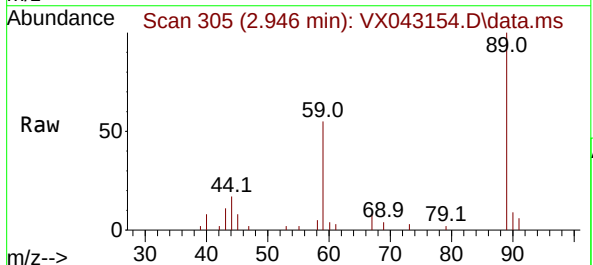
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20240923

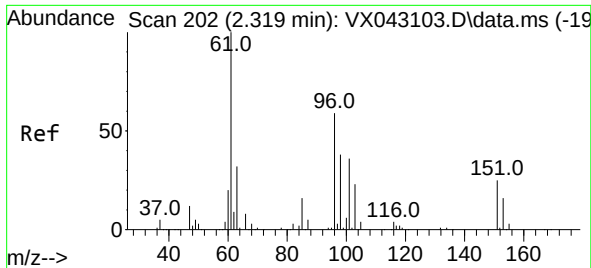
Tgt Ion:101 Resp: 4168
Ion Ratio Lower Upper
101 100
85 47.1 37.0 55.4
151 80.8 60.2 90.4



#11
Tert butyl alcohol
Concen: 13.851 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

Tgt Ion: 59 Resp: 4362
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

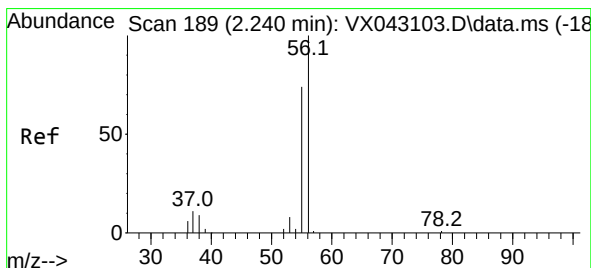
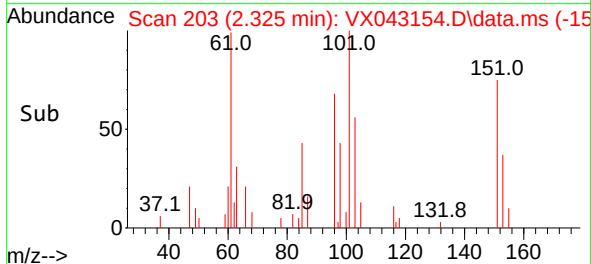
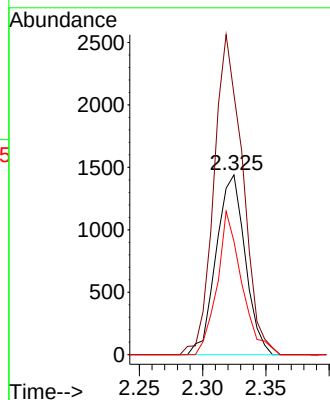
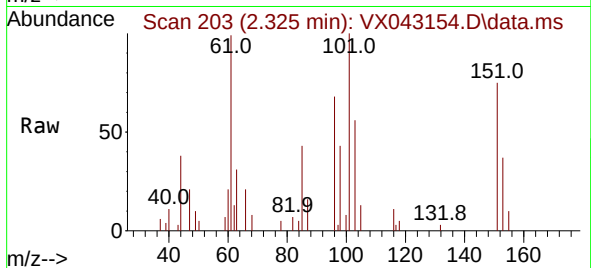




#12
1,1-Dichloroethene
Concen: 2.550 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

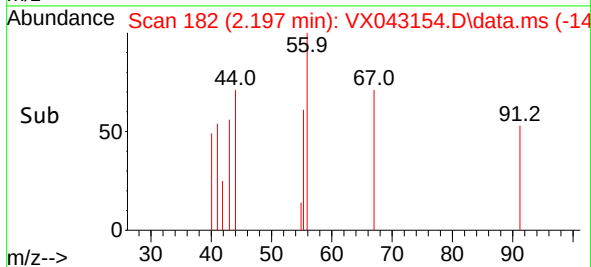
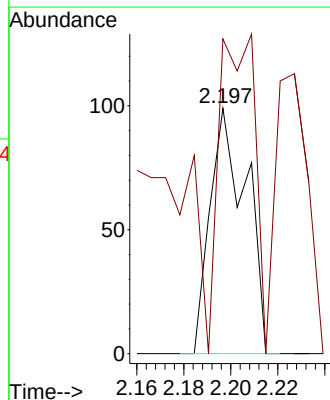
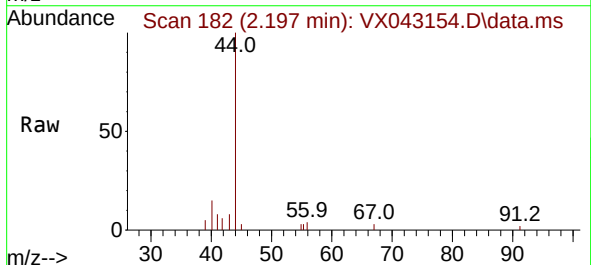
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20240923

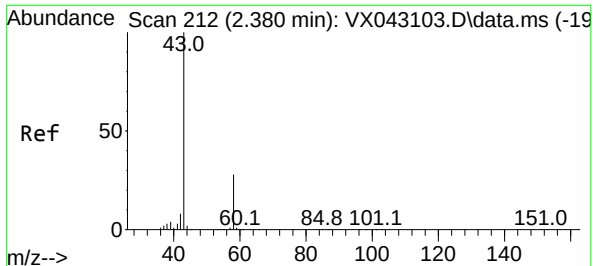
Tgt Ion: 96 Resp: 2295
Ion Ratio Lower Upper
96 100
61 144.7 134.7 202.1
98 63.0 51.6 77.4



#13
Acrolein
Concen: 2.555 ug/l
RT: 2.197 min Scan# 182
Delta R.T. -0.043 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

Tgt Ion: 56 Resp: 106
Ion Ratio Lower Upper
56 100
55 127.4 55.8 83.6#

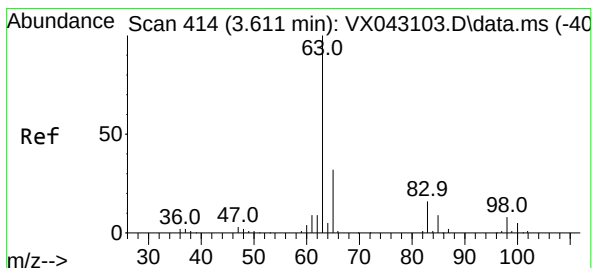
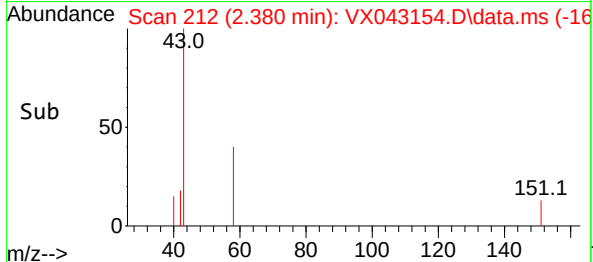
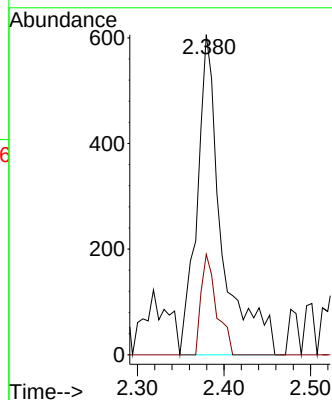
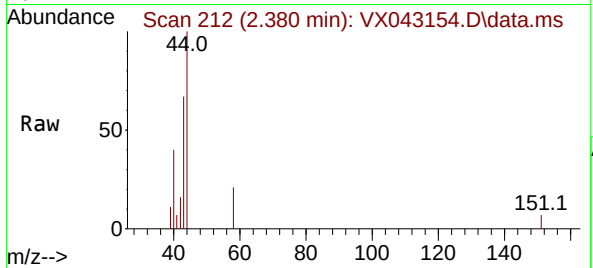




#16
Acetone
Concen: 1.837 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

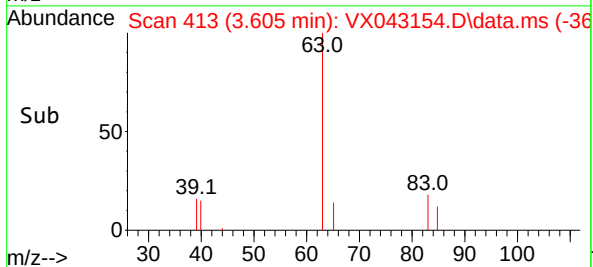
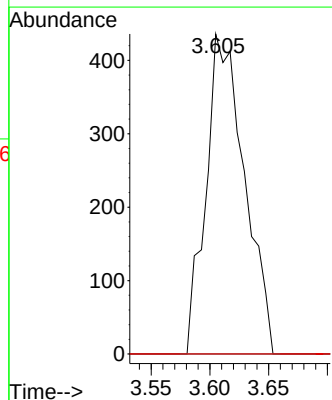
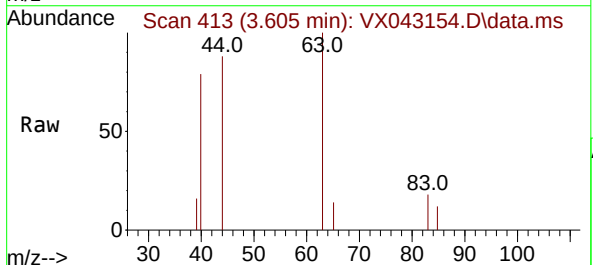
Instrument :
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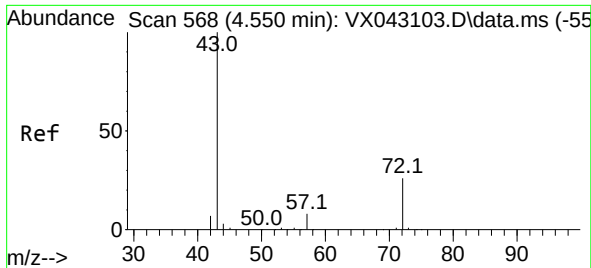
Tgt Ion: 43 Resp: 1212
Ion Ratio Lower Upper
43 100
58 31.4 22.6 34.0



#24
1,1-Dichloroethane
Concen: 0.548 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.006 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

Tgt Ion: 63 Resp: 992
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.5#
100 0.0 2.5 7.6#

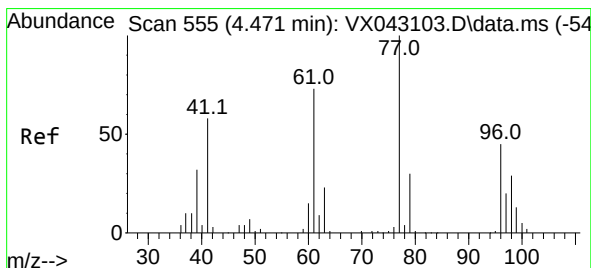
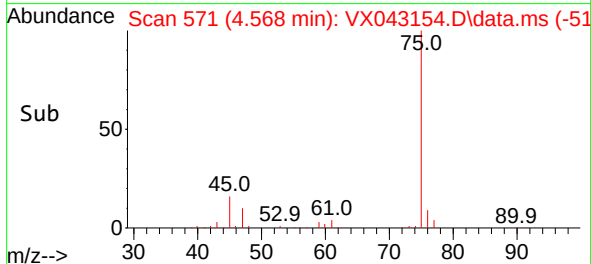
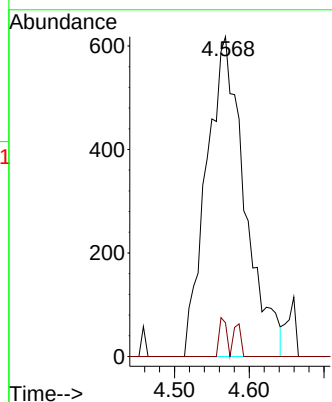
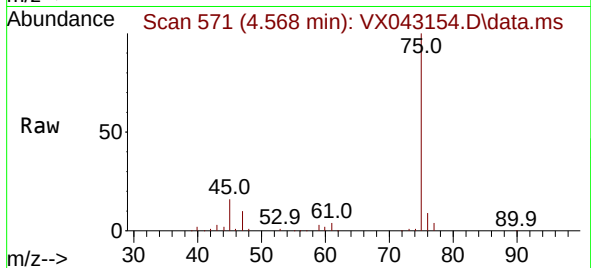




#25
2-Butanone
Concen: 2.581 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

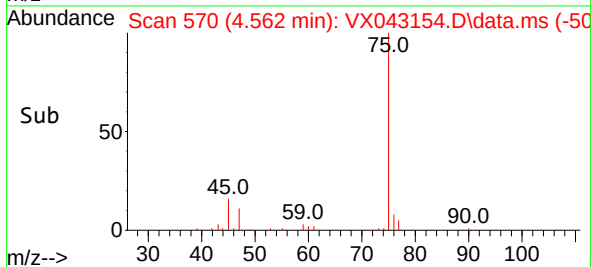
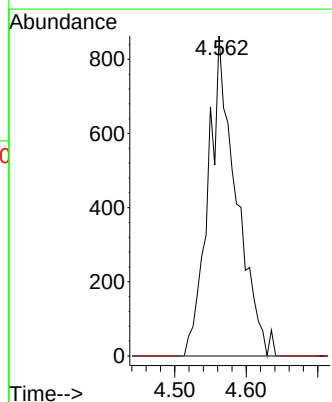
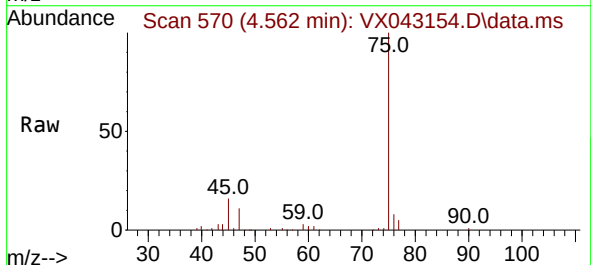
Instrument :
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ClientSampleId :
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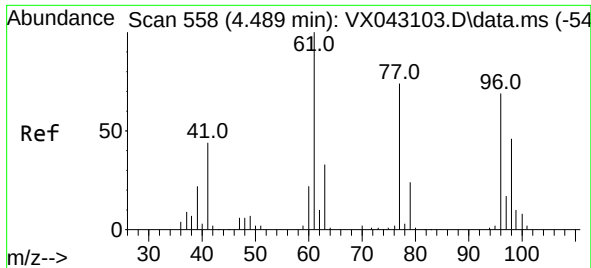
Tgt Ion: 43 Resp: 2195
Ion Ratio Lower Upper
43 100
72 10.5 20.7 31.1#



#26
2,2-Dichloropropane
Concen: 1.280 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.091 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

Tgt Ion: 77 Resp: 2343
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#

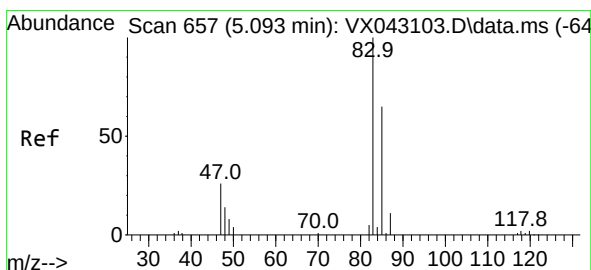
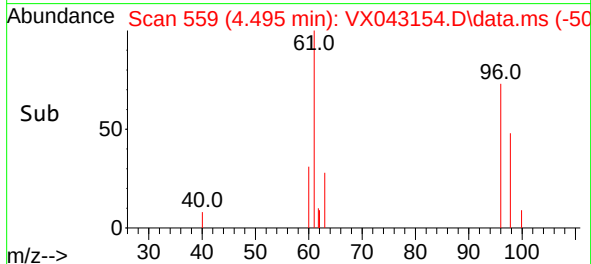
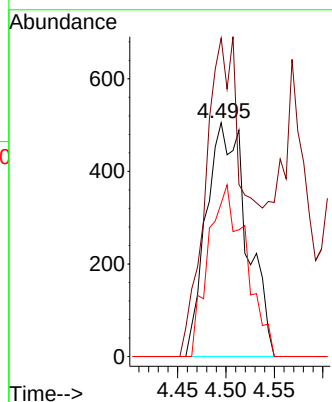
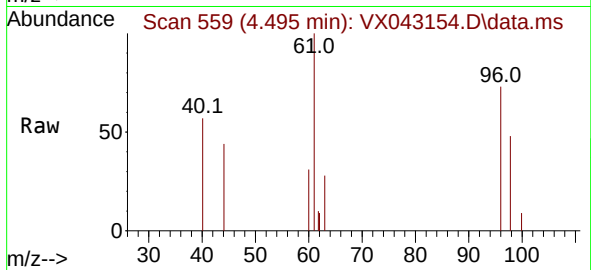




#27
 cis-1,2-Dichloroethene
 Concen: 1.271 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX043154.D
 Acq: 25 Sep 2024 15:35

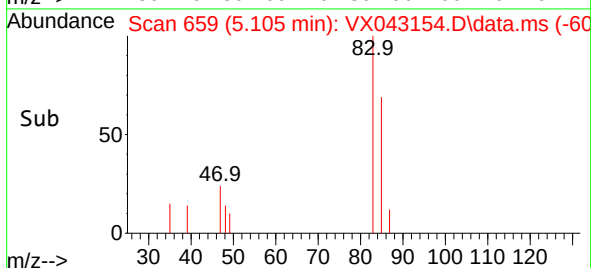
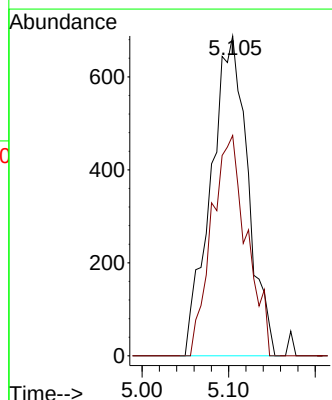
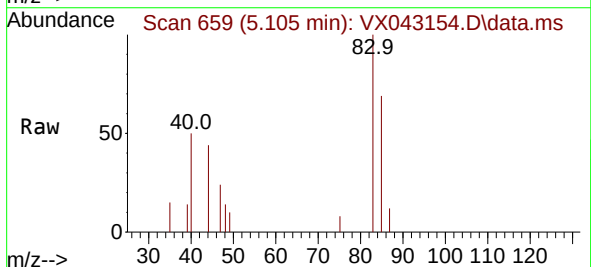
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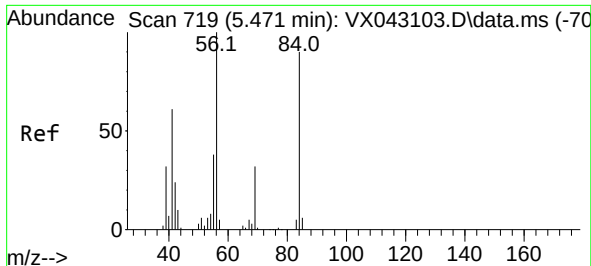
Tgt Ion: 96 Resp: 1473
 Ion Ratio Lower Upper
 96 100
 61 136.7 0.0 297.8
 98 68.6 0.0 131.2



#30
 Chloroform
 Concen: 1.023 ug/l
 RT: 5.105 min Scan# 659
 Delta R.T. 0.012 min
 Lab File: VX043154.D
 Acq: 25 Sep 2024 15:35

Tgt Ion: 83 Resp: 2040
 Ion Ratio Lower Upper
 83 100
 85 68.9 52.4 78.6

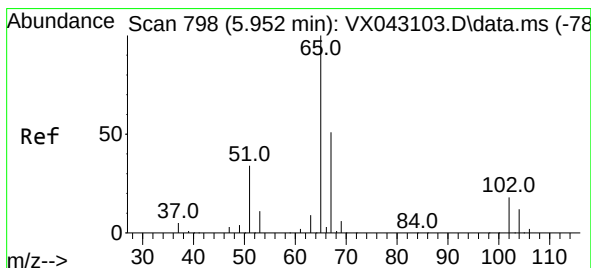
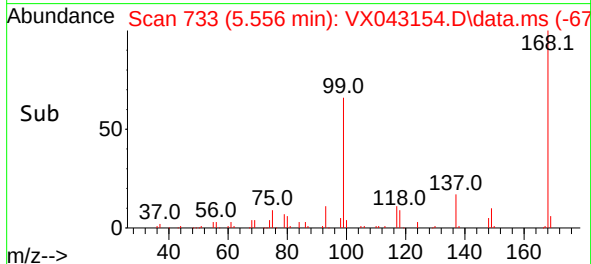
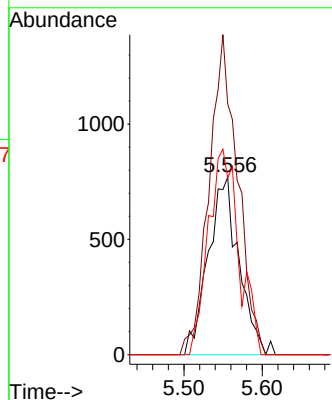
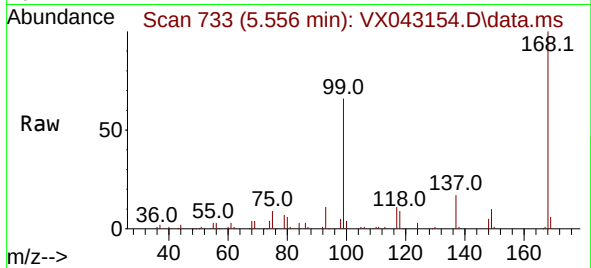




#31
Cyclohexane
Concen: 1.520 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

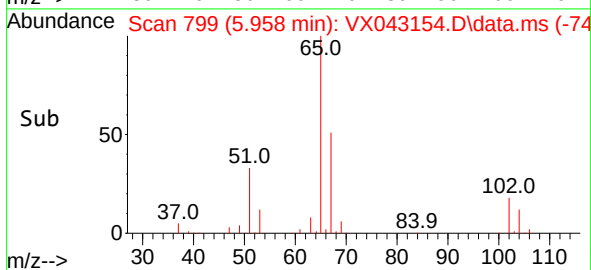
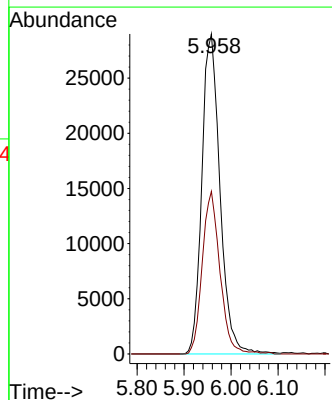
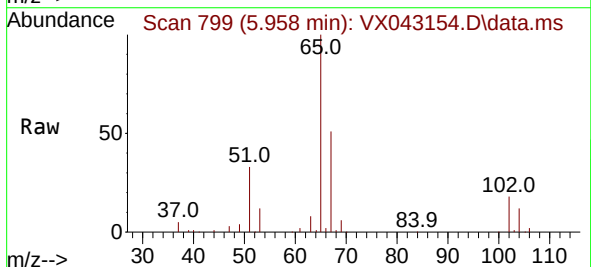
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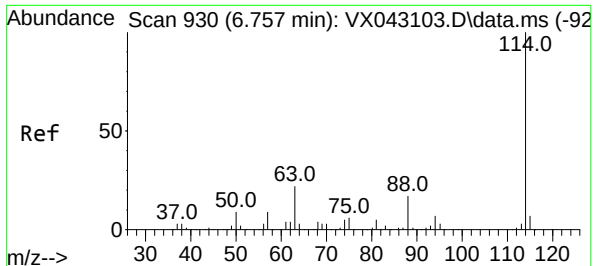
Tgt Ion: 56 Resp: 2108
Ion Ratio Lower Upper
56 100
69 141.2 25.8 38.6#
84 99.6 72.4 108.6



#33
1,2-Dichloroethane-d4
Concen: 55.156 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

Tgt Ion: 65 Resp: 77796
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.0

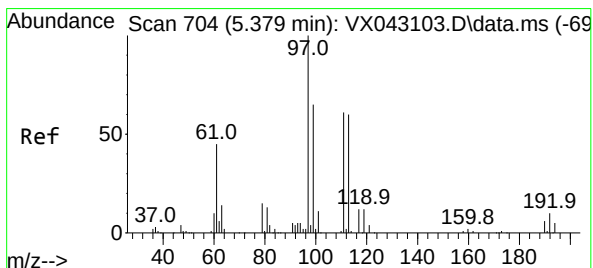
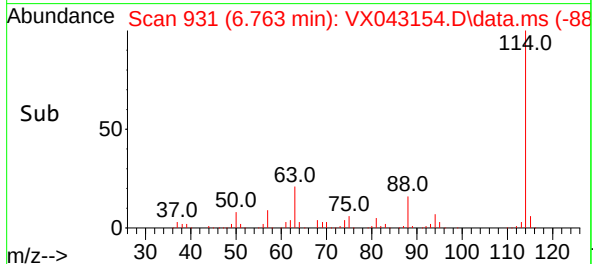
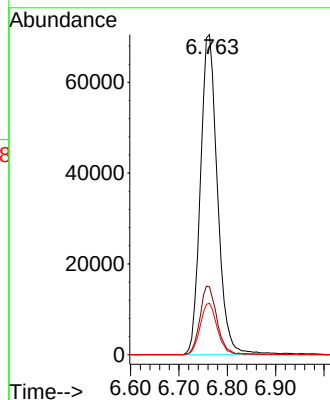
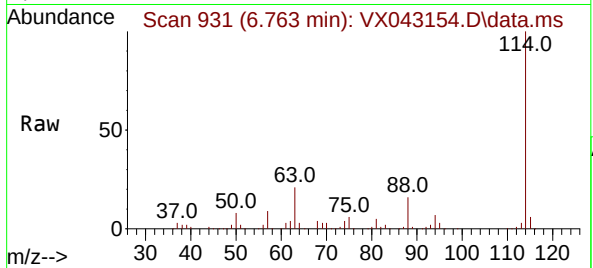




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

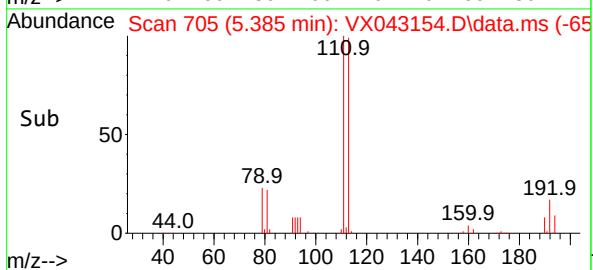
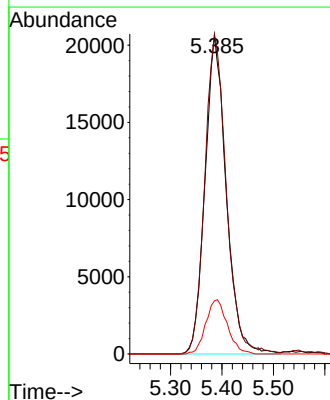
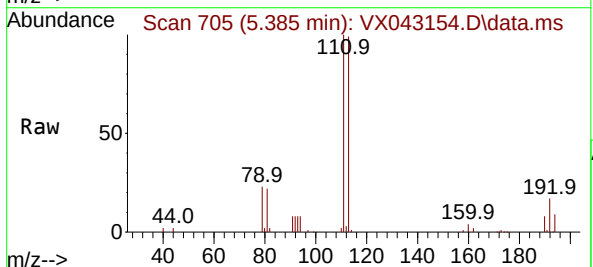
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20240923

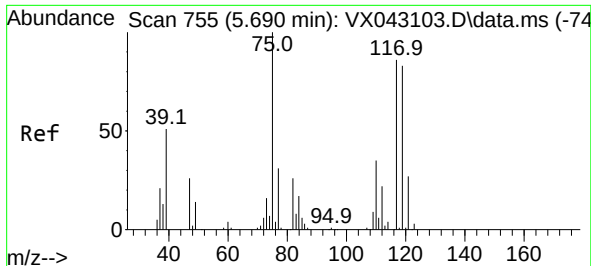
Tgt Ion:114 Resp: 172364
Ion Ratio Lower Upper
114 100
63 21.2 0.0 43.2
88 16.1 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.530 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

Tgt Ion:113 Resp: 59008
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 17.4 14.6 22.0





#36

1,1-Dichloropropene

Concen: 5.117 ug/l

RT: 5.556 min Scan# 711

Delta R.T. -0.134 min

Lab File: VX043154.D

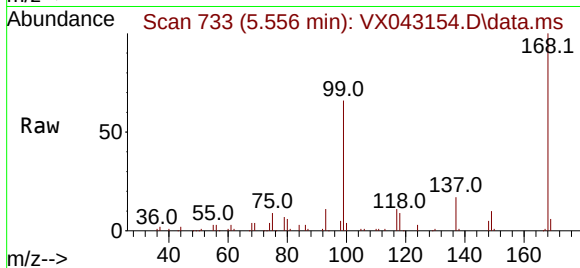
Acq: 25 Sep 2024 15:35

Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20240923



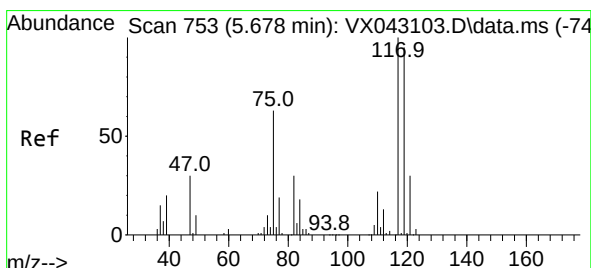
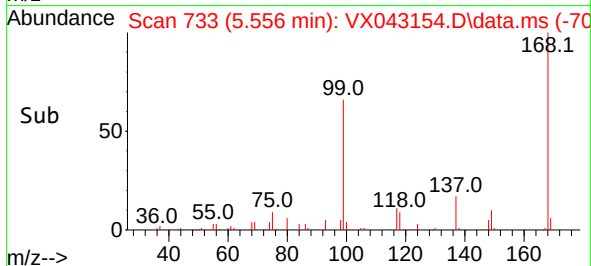
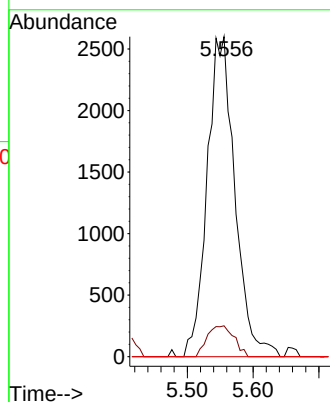
Tgt Ion: 75 Resp: 7645

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.4#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 0.210 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.000 min

Lab File: VX043154.D

Acq: 25 Sep 2024 15:35

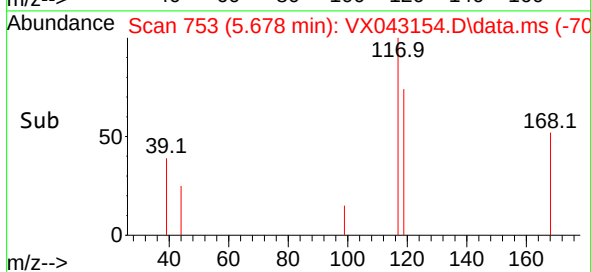
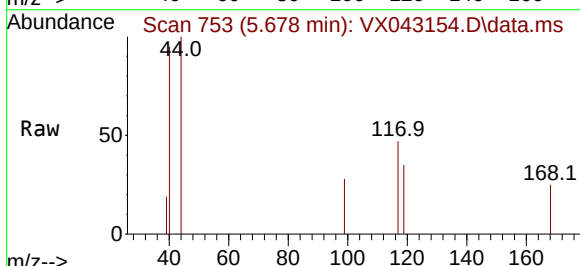
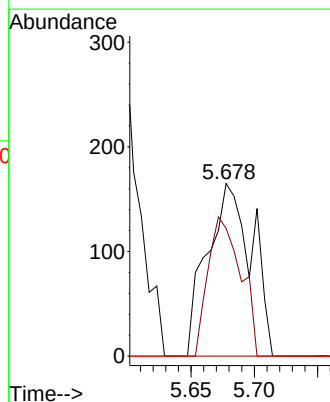
Tgt Ion: 117 Resp: 405

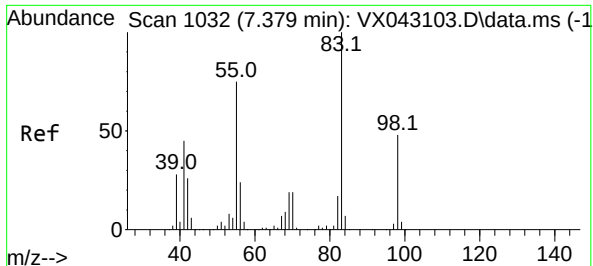
Ion Ratio Lower Upper

117 100

119 73.9 75.5 113.3#

121 0.0 24.2 36.2#

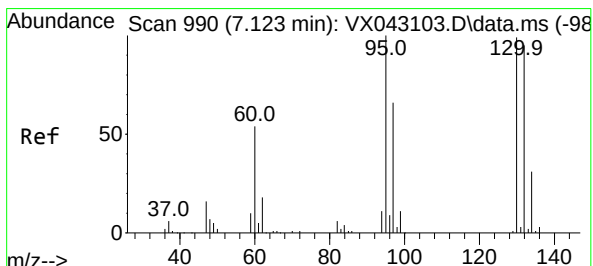
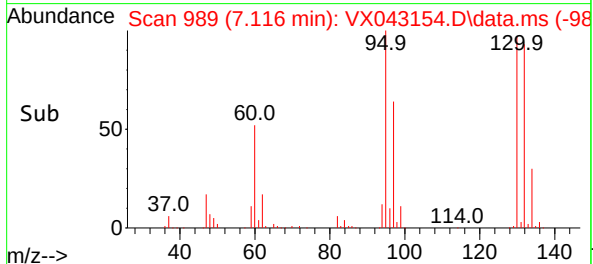
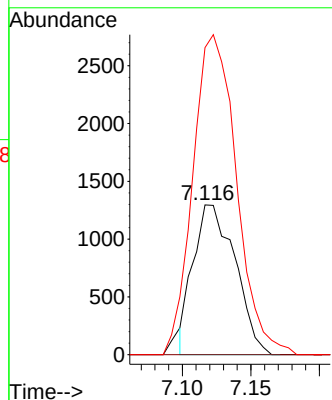
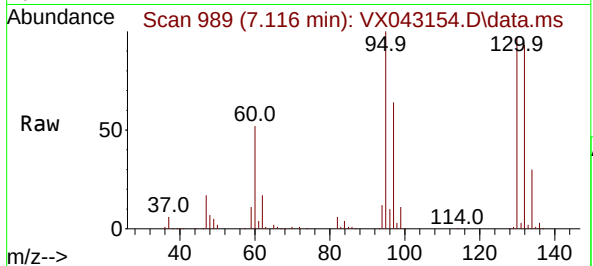




#39
Methylcyclohexane
Concen: 1.470 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.262 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

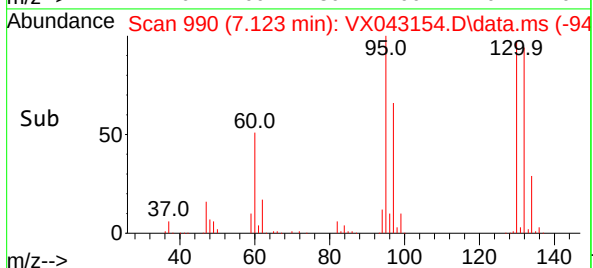
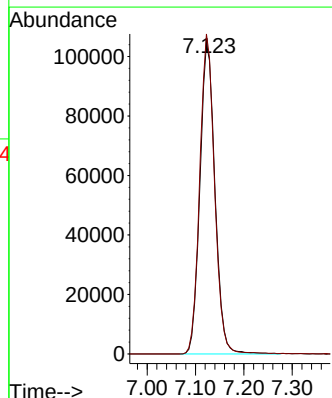
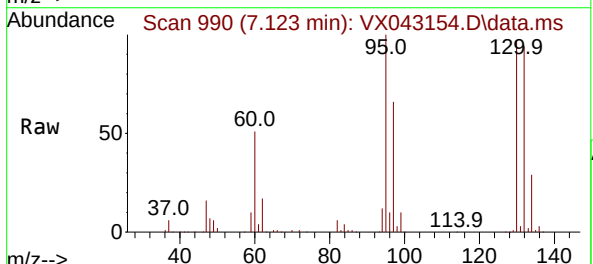
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20240923

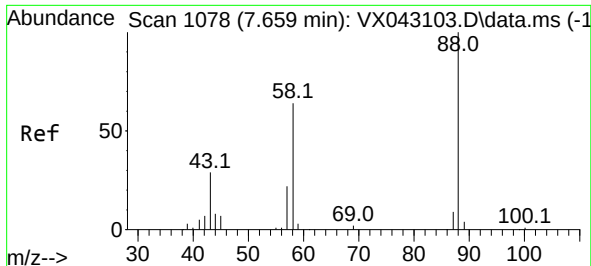
Tgt Ion: 83 Resp: 2756
Ion Ratio Lower Upper
83 100
55 0.0 60.2 90.4#
98 198.7 38.6 58.0#



#44
Trichloroethene
Concen: 187.557 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

Tgt Ion:130 Resp: 226242
Ion Ratio Lower Upper
130 100
95 103.0 0.0 201.6





#49

1,4-Dioxane

Concen: 14.416 ug/l

RT: 7.671 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX043154.D

Acq: 25 Sep 2024 15:35

Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20240923

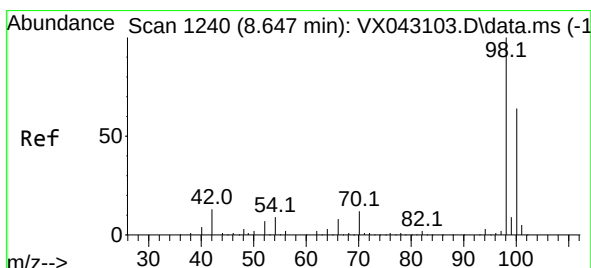
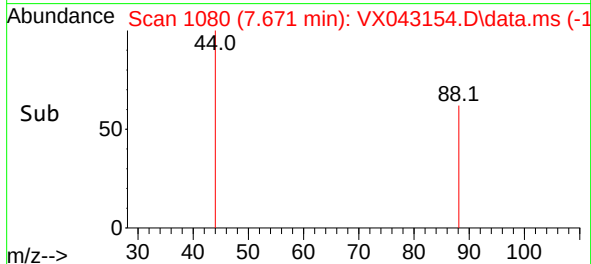
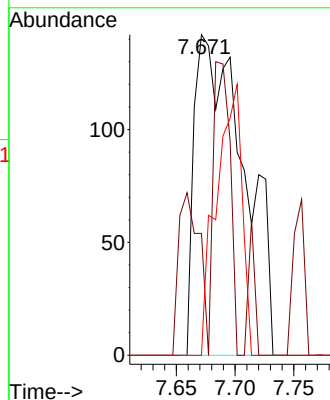
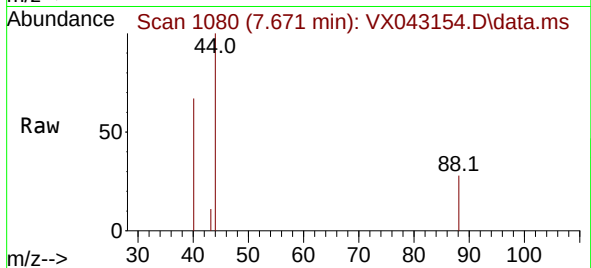
Tgt Ion: 88 Resp: 419

Ion Ratio Lower Upper

88 100

43 30.8 29.5 44.3

58 0.0 52.5 78.7#



#50

Toluene-d8

Concen: 50.347 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX043154.D

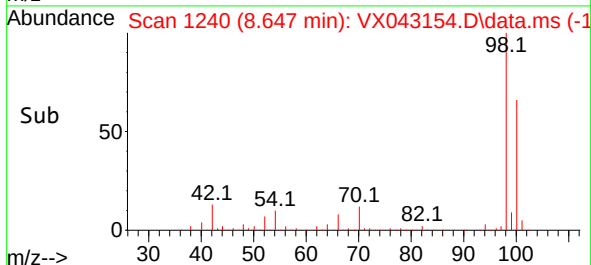
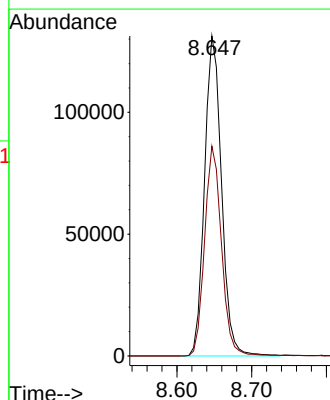
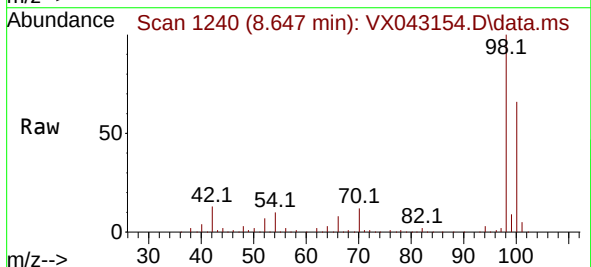
Acq: 25 Sep 2024 15:35

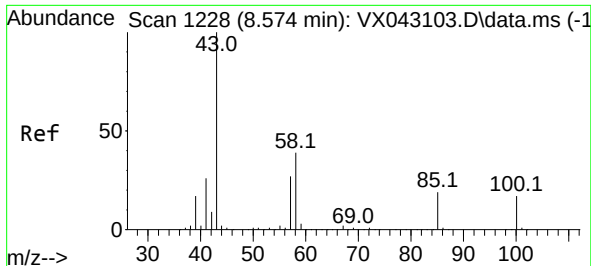
Tgt Ion: 98 Resp: 207113

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.4

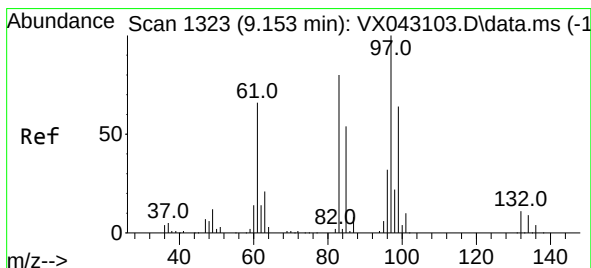
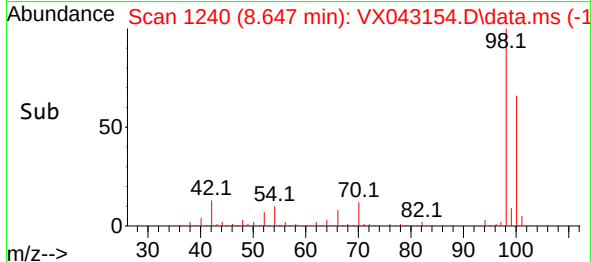
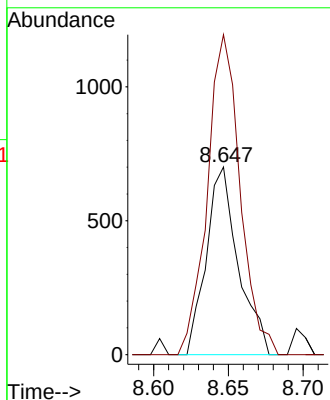
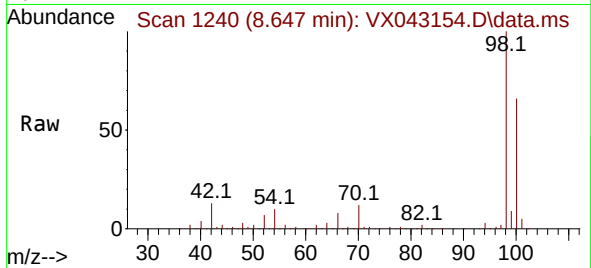




#51
4-Methyl-2-Pentanone
Concen: 0.541 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

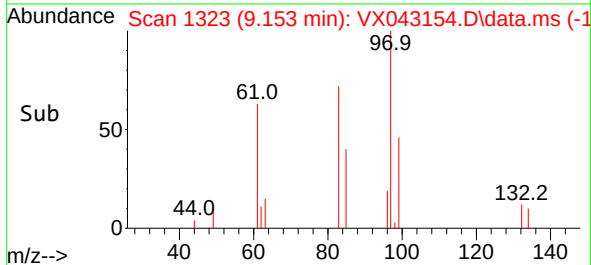
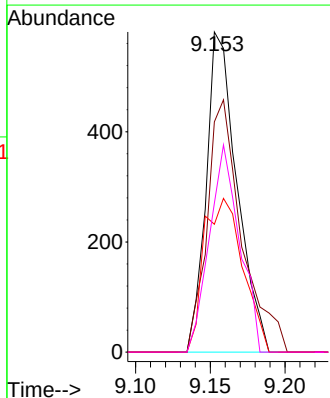
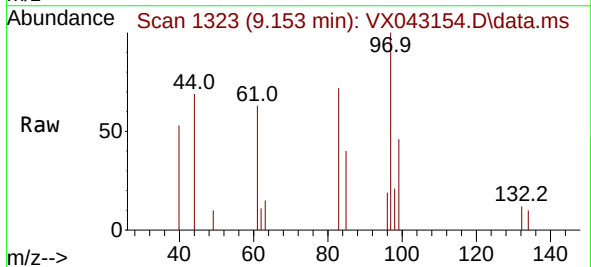
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20240923

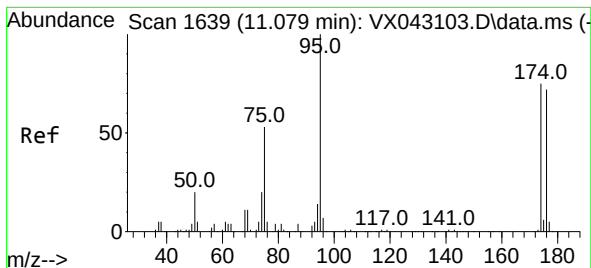
Tgt Ion: 43 Resp: 1041
Ion Ratio Lower Upper
43 100
58 175.2 30.3 45.5#



#55
1,1,2-Trichloroethane
Concen: 0.714 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

Tgt Ion: 97 Resp: 835
Ion Ratio Lower Upper
97 100
83 71.9 64.2 96.4
85 39.9 43.0 64.6#
99 46.5 51.4 77.2#

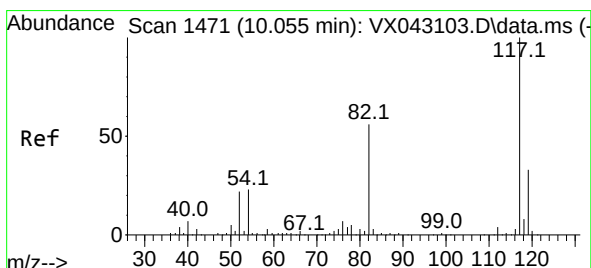
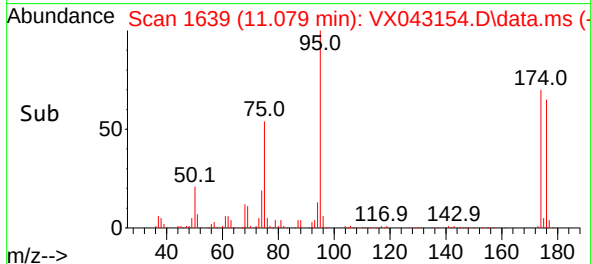
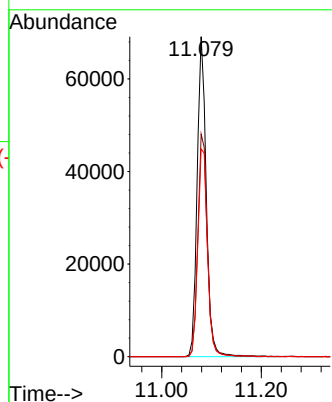
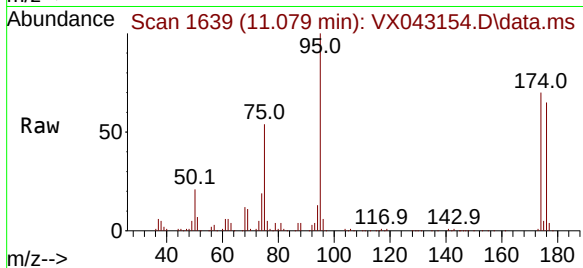




#62
4-Bromofluorobenzene
Concen: 53.000 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

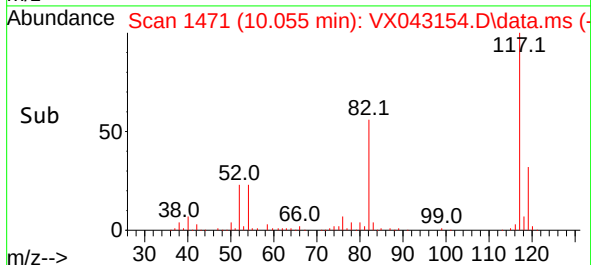
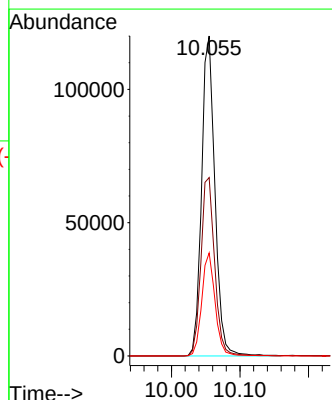
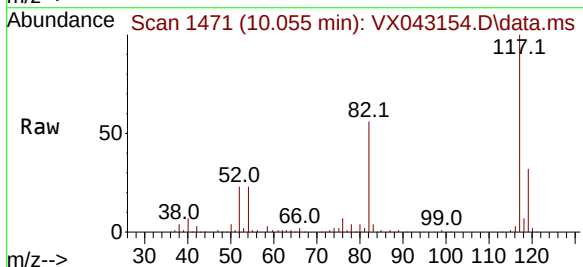
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20240923

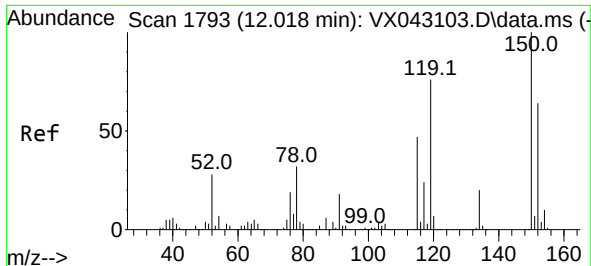
Tgt Ion: 95 Resp: 87802
Ion Ratio Lower Upper
95 100
174 72.1 0.0 146.0
176 68.7 0.0 142.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

Tgt Ion: 117 Resp: 162850
Ion Ratio Lower Upper
117 100
82 55.8 44.7 67.1
119 32.2 26.3 39.5

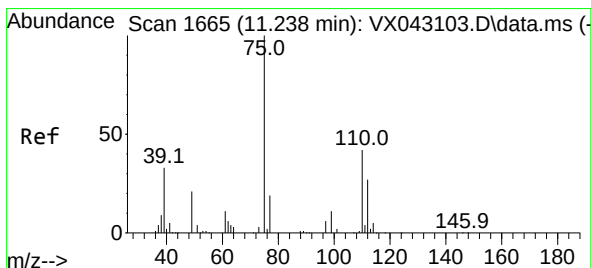
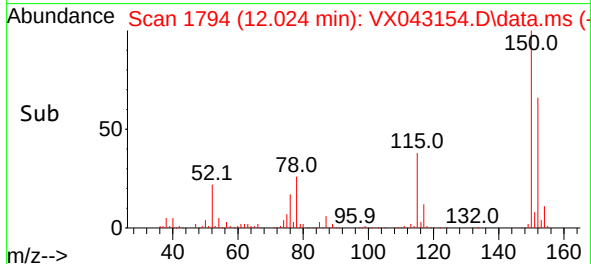
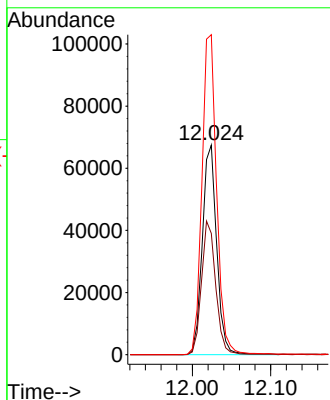
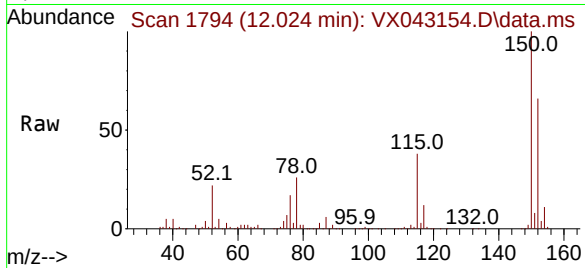




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: VX043154.D
 Acq: 25 Sep 2024 15:35

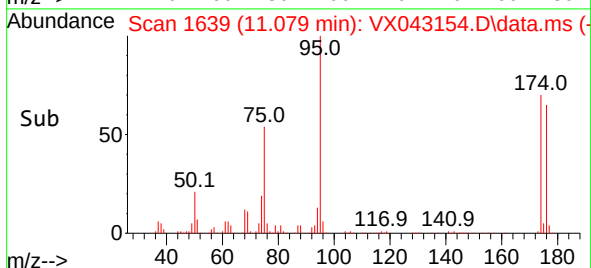
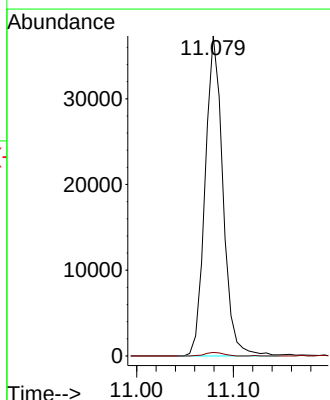
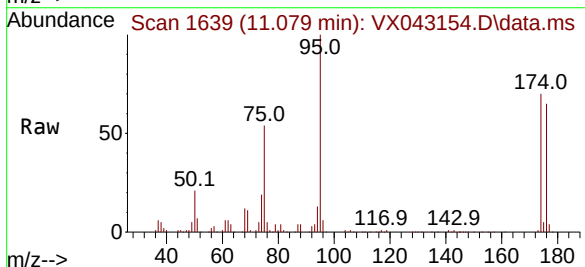
Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20240923

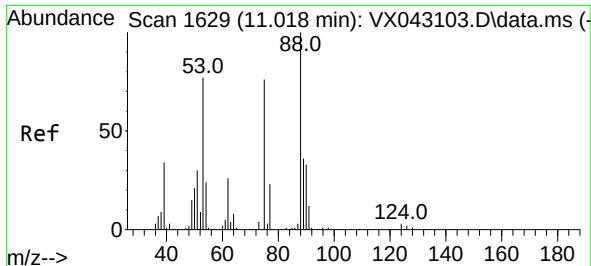
Tgt Ion:152 Resp: 85947
 Ion Ratio Lower Upper
 152 100
 115 62.8 43.7 131.1
 150 156.6 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 26.243 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX043154.D
 Acq: 25 Sep 2024 15:35

Tgt Ion: 75 Resp: 47954
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.9 65.7#

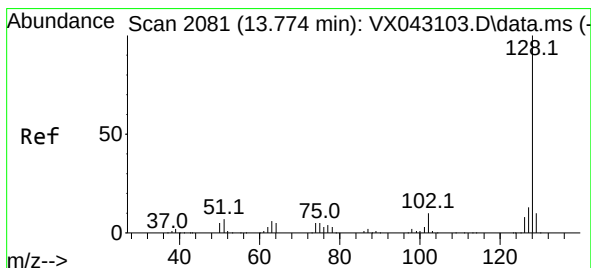
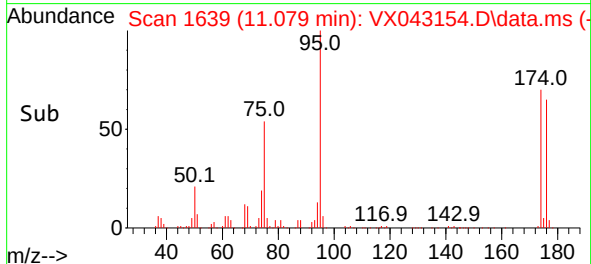
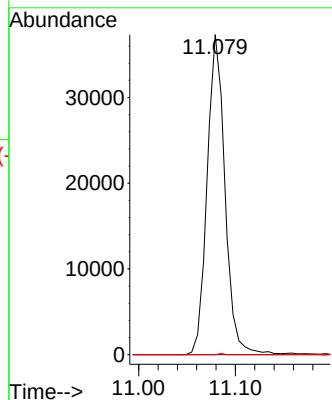
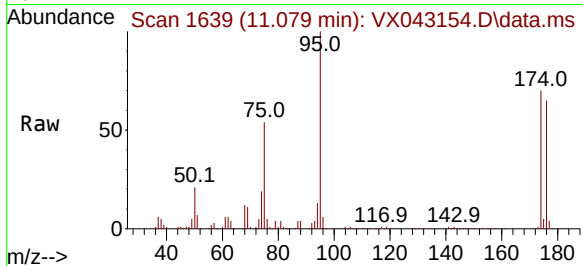




#81
trans-1,4-Dichloro-2-butene
Concen: 62.527 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20240923

Tgt Ion: 75 Resp: 47954
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.1 38.8 58.2#



#95
Naphthalene
Concen: 0.677 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX043154.D
Acq: 25 Sep 2024 15:35

Tgt Ion: 128 Resp: 4051
Ion Ratio Lower Upper
128 100
127 14.1 10.2 15.4
129 10.0 8.6 13.0

