

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
 Data File : VX046752.D
 Acq On : 18 Jun 2025 18:37
 Operator : JC/MD
 Sample : Q2344-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Jun 19 01:28:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

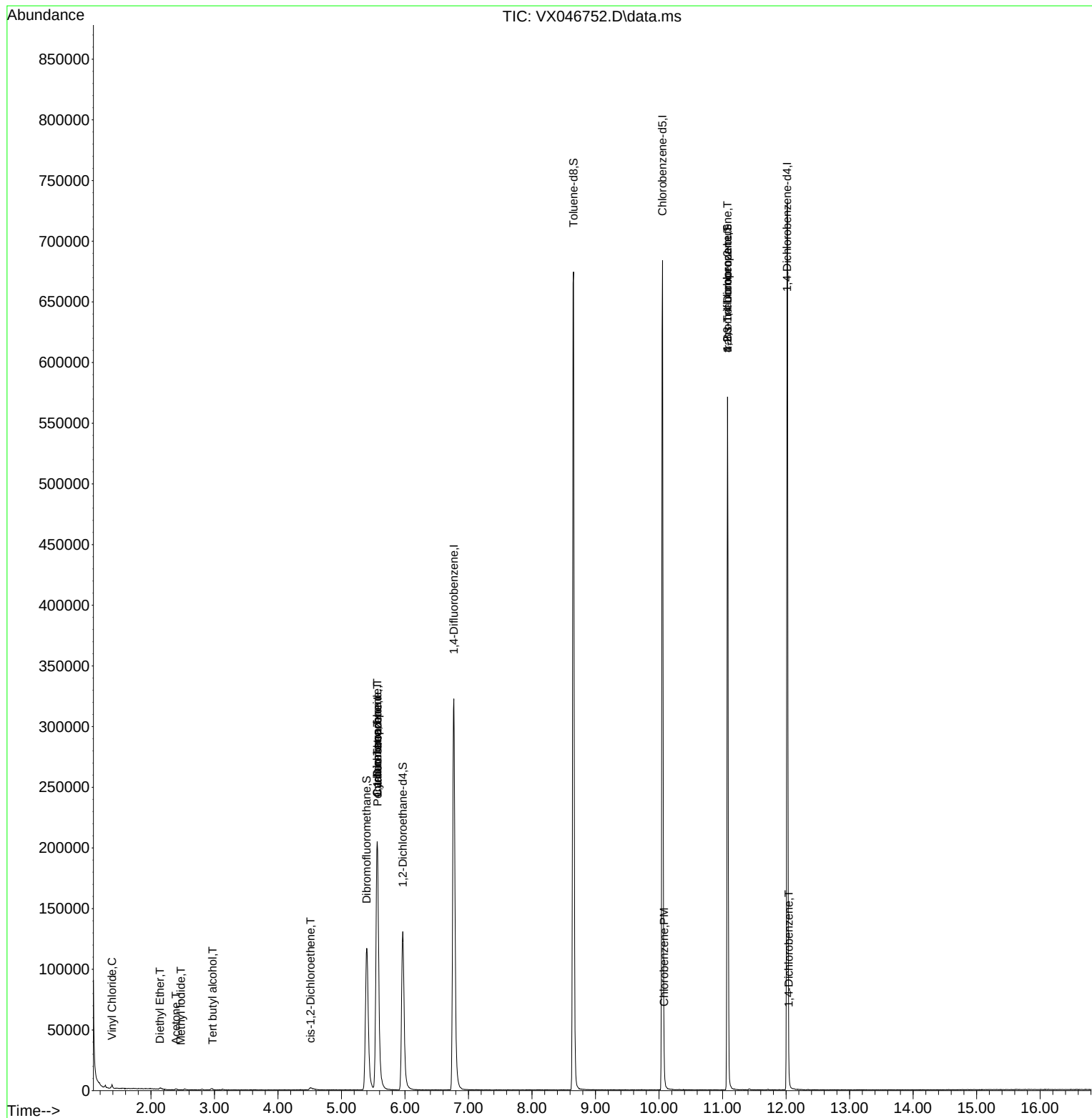
Internal Standards						
1) Pentafluorobenzene	5.568	168	213961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	355243	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	307080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	148475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	137712	46.533	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.060%
35) Dibromofluoromethane	5.397	113	114074	48.534	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.060%
50) Toluene-d8	8.653	98	413878	49.012	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.020%
62) 4-Bromofluorobenzene	11.079	95	150781	47.901	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.800%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.386	62	1402	0.533	ug/l #	70
8) Diethyl Ether	2.142	74	301	0.220	ug/l	93
10) Methyl Iodide	2.471	142	86	4.359	ug/l #	38
11) Tert butyl alcohol	2.971	59	467	1.758	ug/l #	72
16) Acetone	2.392	43	976	0.989	ug/l #	1
27) cis-1,2-Dichloroethene	4.513	96	1468	0.494	ug/l	82
31) Cyclohexane	5.562	56	4521	1.020	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	16750	4.937	ug/l #	51
38) Carbon Tetrachloride	5.562	117	21680	5.888	ug/l #	18
65) Chlorobenzene	10.079	112	3095	0.457	ug/l #	86
76) 1,2,3-Trichloropropane	11.079	75	77140	28.367	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	77140	80.182	ug/l #	7
88) 1,4-Dichlorobenzene	12.042	146	1286	0.244	ug/l #	47

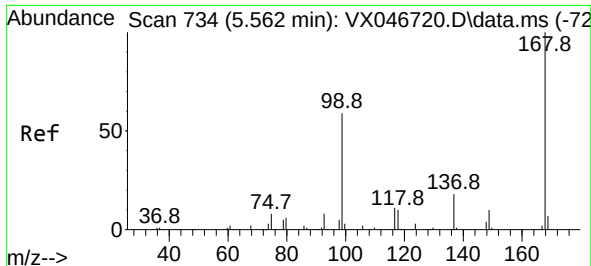
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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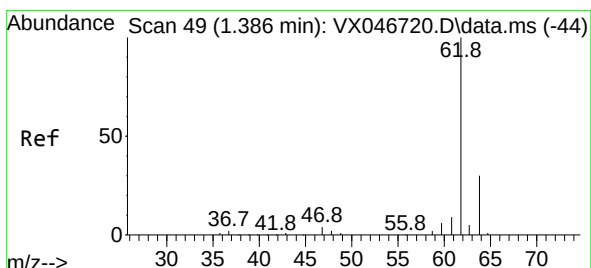
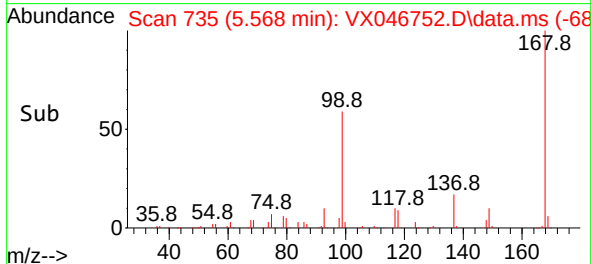
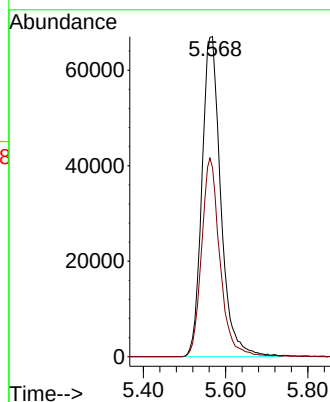
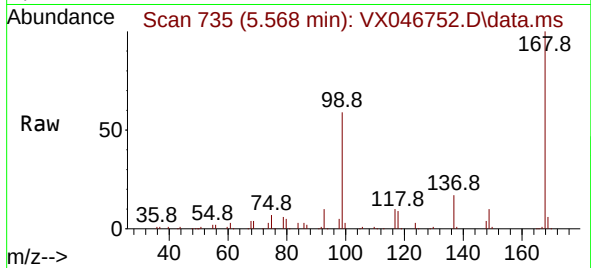




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

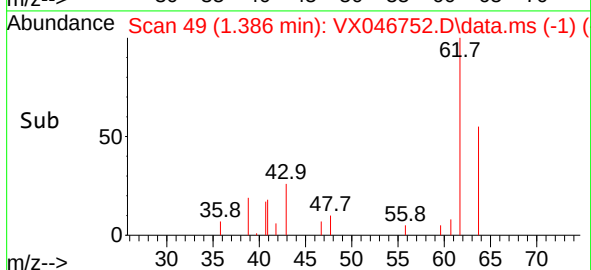
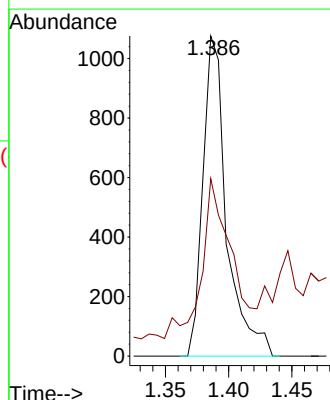
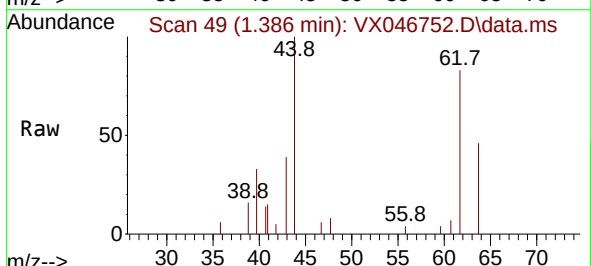
Instrument :
MSVOA_X
ClientSampleId :
MW-2

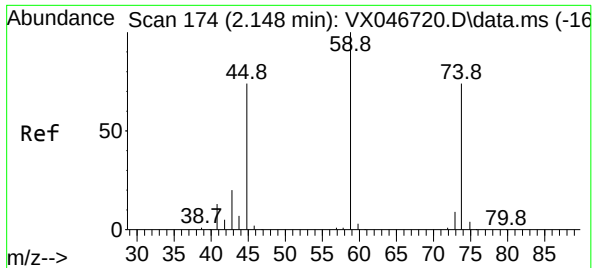
Tgt Ion:168 Resp: 213961
Ion Ratio Lower Upper
168 100
99 59.0 48.5 72.7



#4
Vinyl Chloride
Concen: 0.533 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

Tgt Ion: 62 Resp: 1402
Ion Ratio Lower Upper
62 100
64 45.9 23.9 35.9#

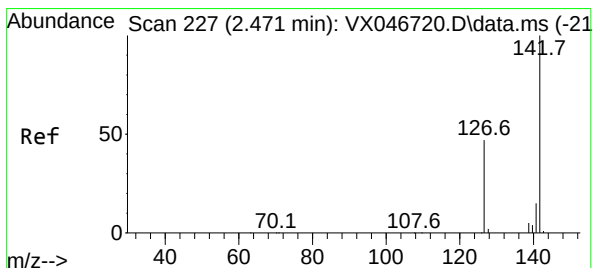
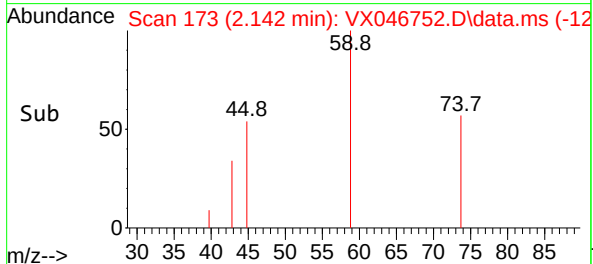
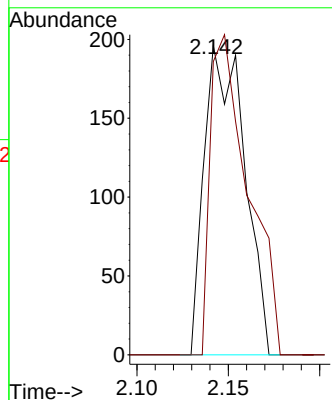
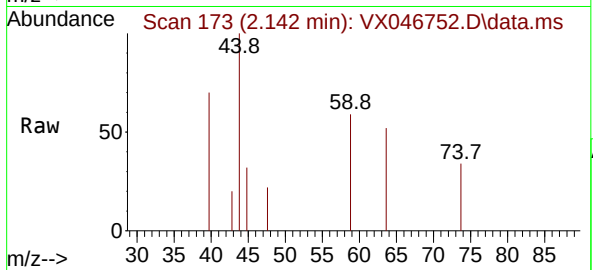




#8
Diethyl Ether
Concen: 0.220 ug/l
RT: 2.142 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

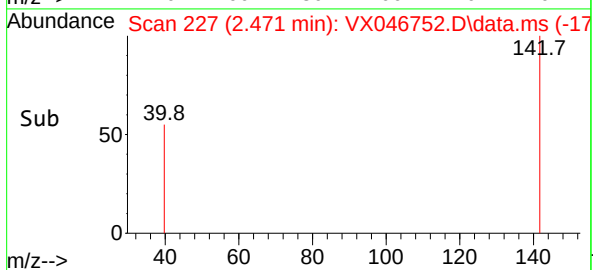
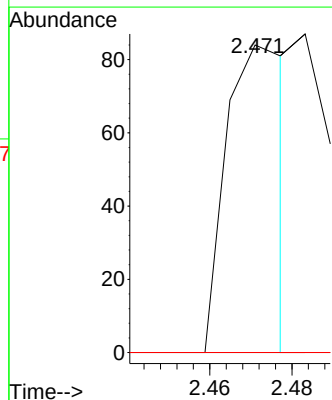
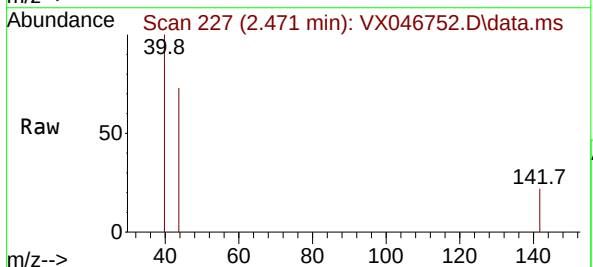
Instrument :
MSVOA_X
ClientSampleId :
MW-2

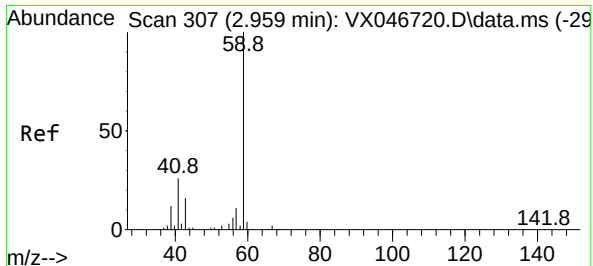
Tgt Ion: 74 Resp: 301
Ion Ratio Lower Upper
74 100
45 97.3 52.3 157.1



#10
Methyl Iodide
Concen: 4.359 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

Tgt Ion: 142 Resp: 86
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.6#
141 0.0 11.5 17.3#





#11

Tert butyl alcohol

Concen: 1.758 ug/l

RT: 2.971 min Scan# 307

Delta R.T. 0.012 min

Lab File: VX046752.D

Acq: 18 Jun 2025 18:37

Instrument :

MSVOA_X

ClientSampleId :

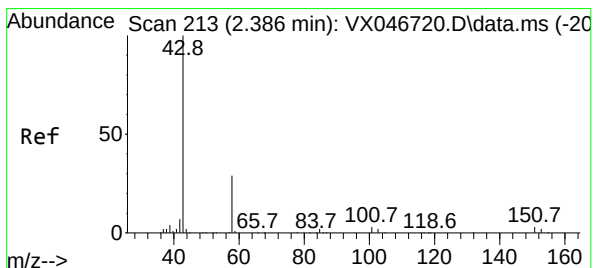
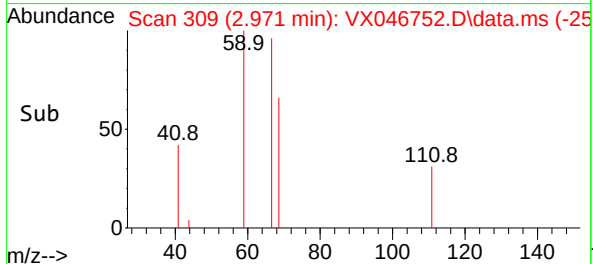
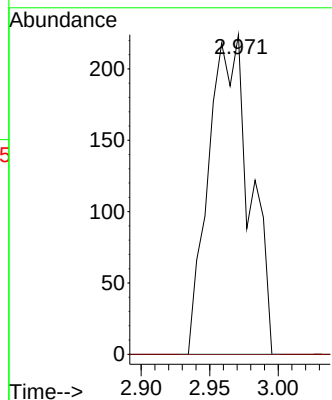
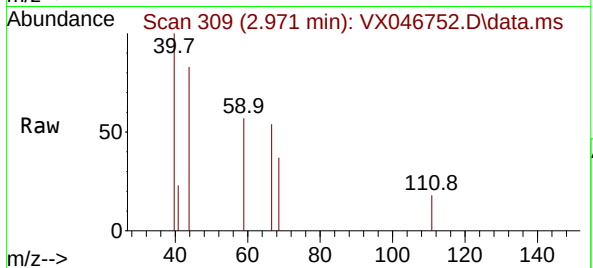
MW-2

Tgt Ion: 59 Resp: 467

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 0.989 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX046752.D

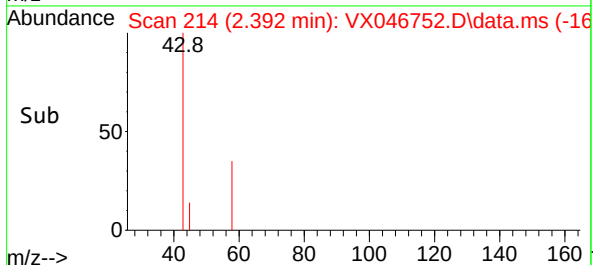
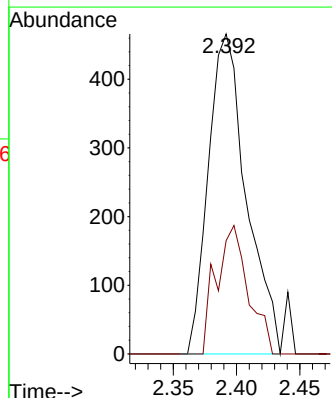
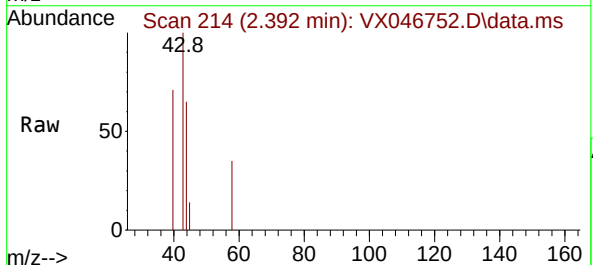
Acq: 18 Jun 2025 18:37

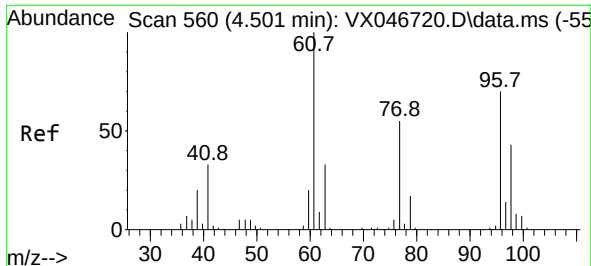
Tgt Ion: 43 Resp: 976

Ion Ratio Lower Upper

43 100

58 91.7 24.5 36.7#





#27

cis-1,2-Dichloroethene

Concen: 0.494 ug/l

RT: 4.513 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX046752.D

Acq: 18 Jun 2025 18:37

Instrument :

MSVOA_X

ClientSampleId :

MW-2

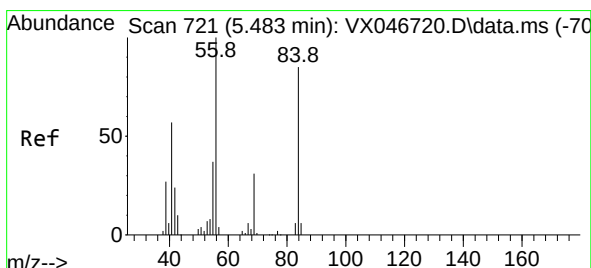
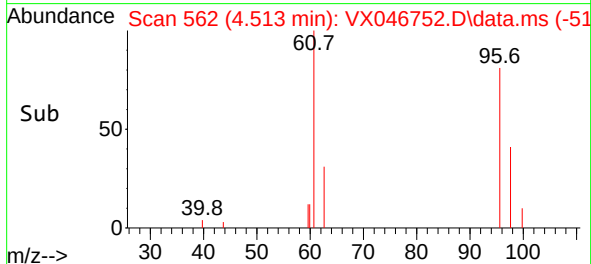
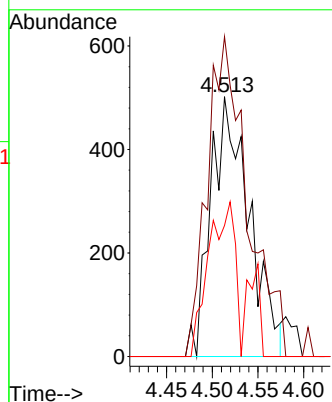
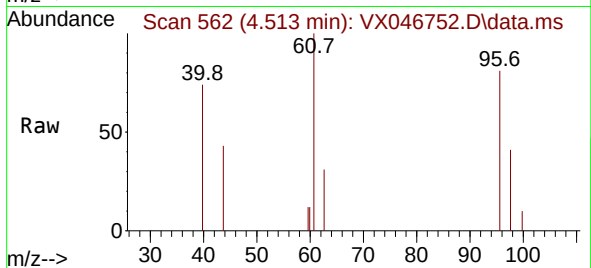
Tgt Ion: 96 Resp: 1468

Ion Ratio Lower Upper

96 100

61 128.5 0.0 291.0

98 40.8 0.0 126.8



#31

Cyclohexane

Concen: 1.020 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.079 min

Lab File: VX046752.D

Acq: 18 Jun 2025 18:37

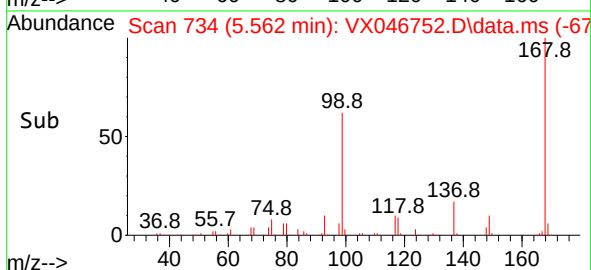
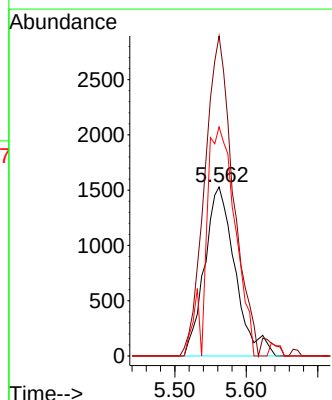
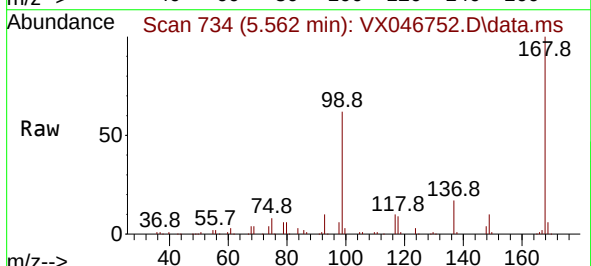
Tgt Ion: 56 Resp: 4521

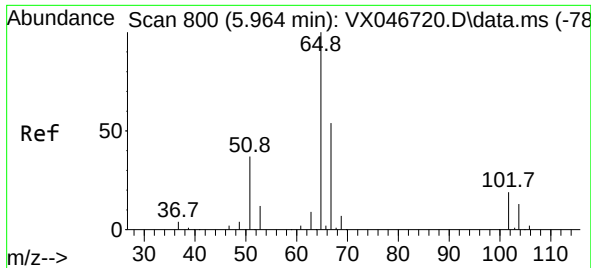
Ion Ratio Lower Upper

56 100

69 189.5 24.8 37.2#

84 135.6 68.2 102.2#

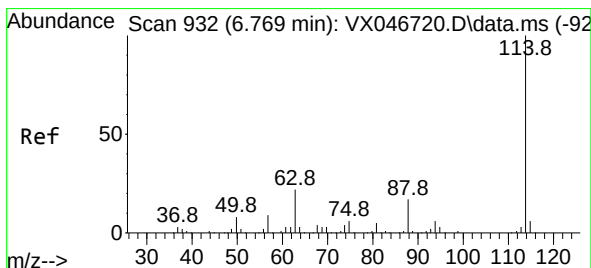
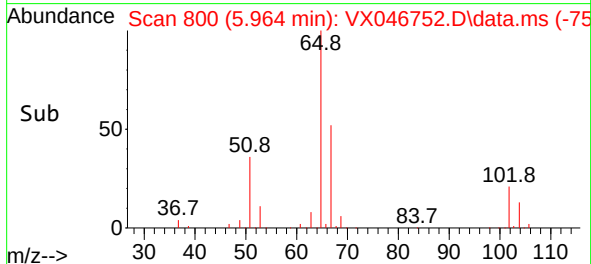
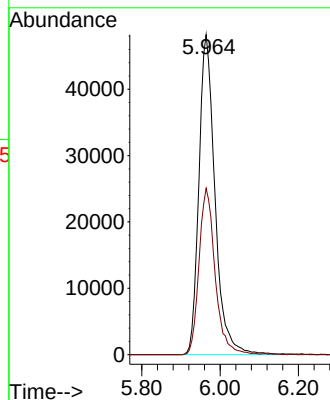
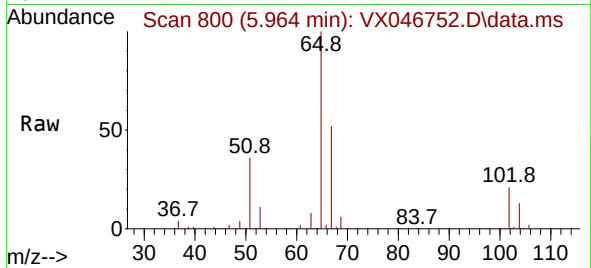




#33
 1,2-Dichloroethane-d4
 Concen: 46.533 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. -0.000 min
 Lab File: VX046752.D
 Acq: 18 Jun 2025 18:37

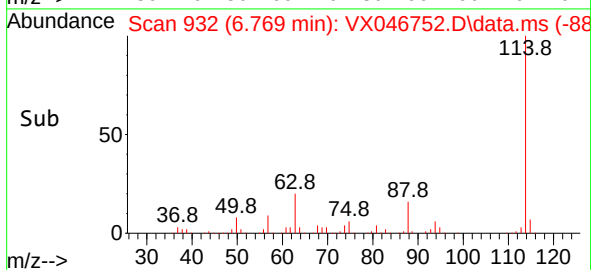
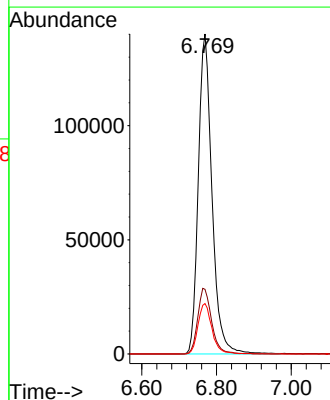
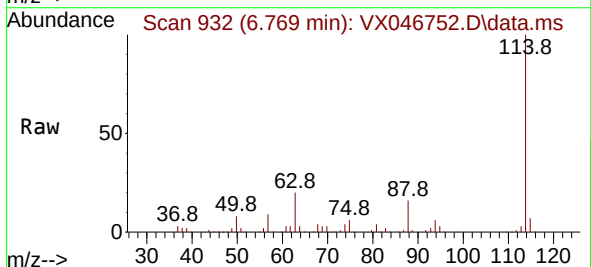
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

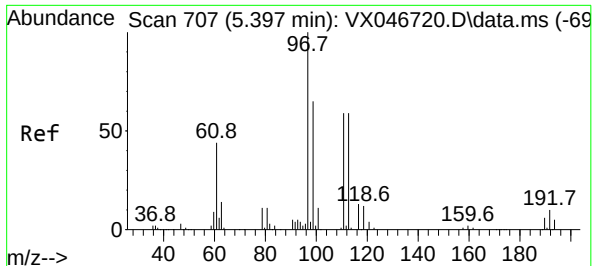
Tgt Ion: 65 Resp: 137712
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX046752.D
 Acq: 18 Jun 2025 18:37

Tgt Ion: 114 Resp: 355243
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 44.2
 88 15.8 0.0 33.2

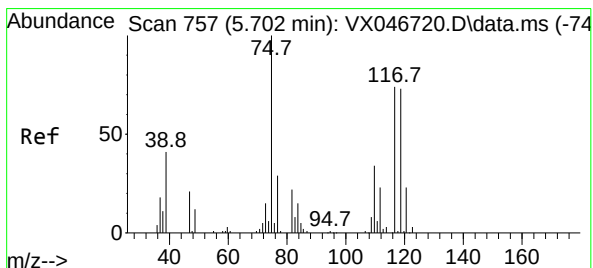
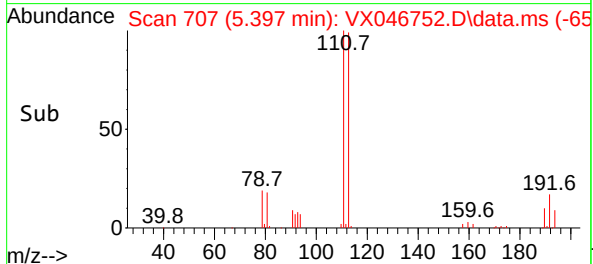
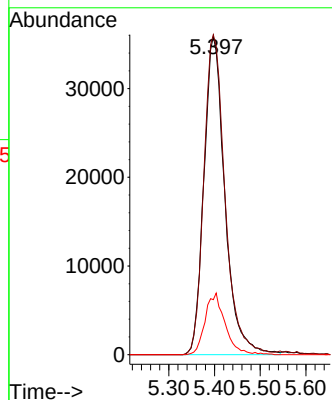
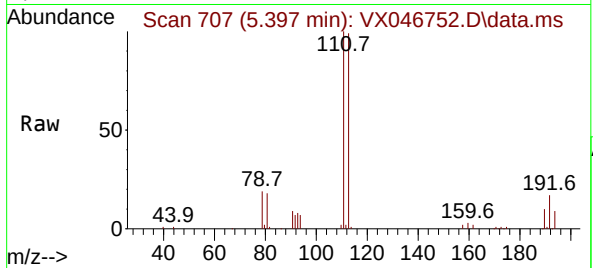




#35
Dibromofluoromethane
Concen: 48.534 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

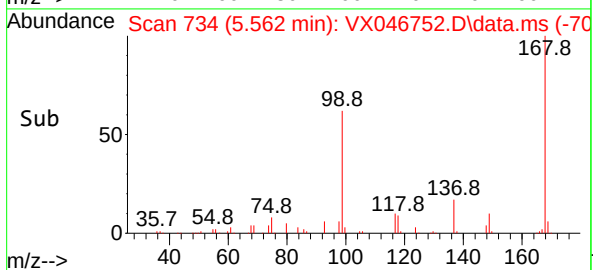
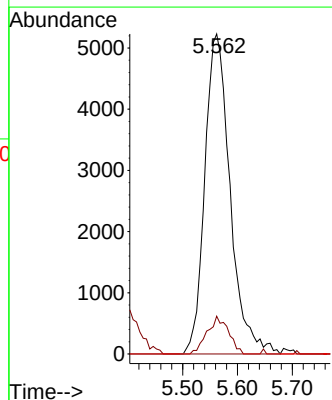
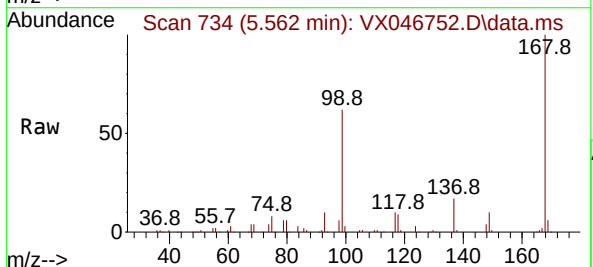
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MW-2

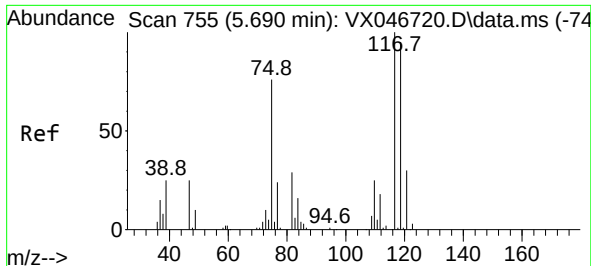
Tgt Ion:113 Resp: 114074
Ion Ratio Lower Upper
113 100
111 101.8 82.0 123.0
192 18.3 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.937 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

Tgt Ion: 75 Resp: 16750
Ion Ratio Lower Upper
75 100
110 9.9 17.2 51.5#
77 0.0 24.2 36.4#

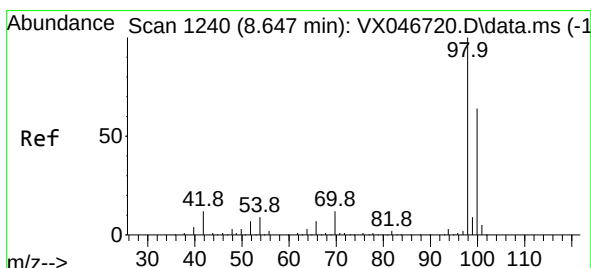
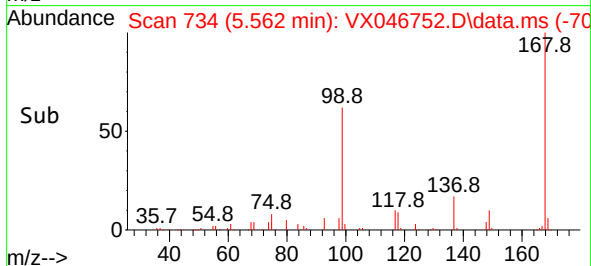
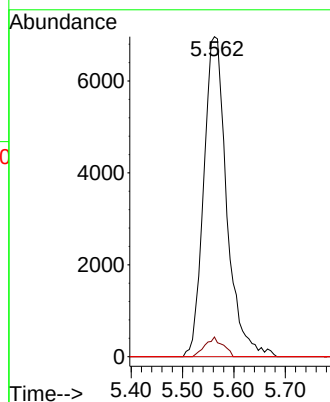
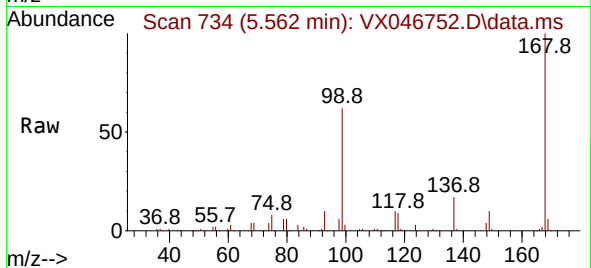




#38
Carbon Tetrachloride
Concen: 5.888 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

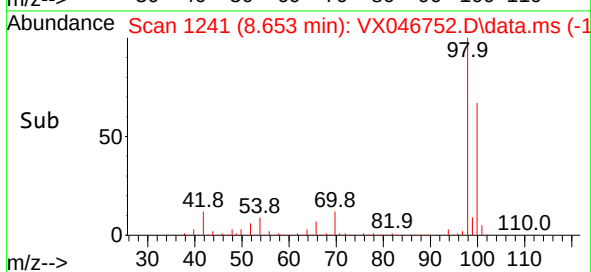
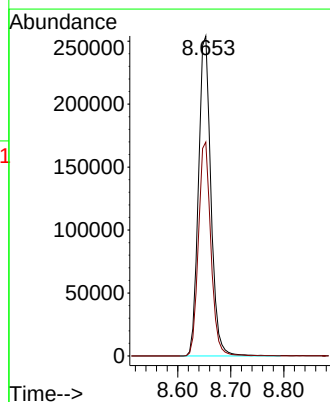
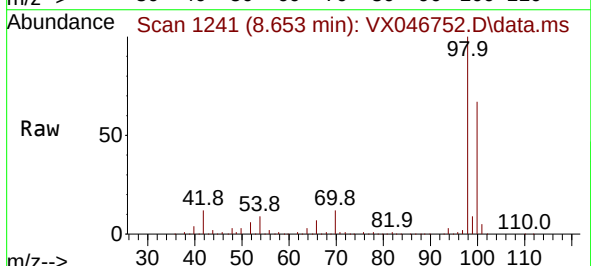
Instrument :
MSVOA_X
ClientSampleId :
MW-2

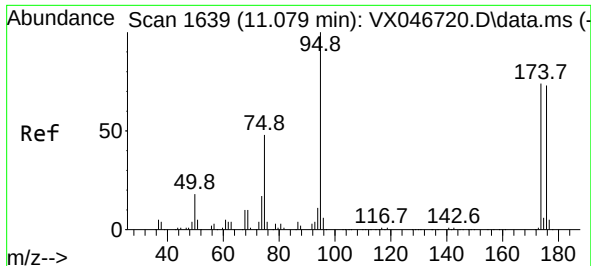
Tgt Ion:117 Resp: 21680
Ion Ratio Lower Upper
117 100
119 6.1 75.2 112.8#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 49.012 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

Tgt Ion: 98 Resp: 413878
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4

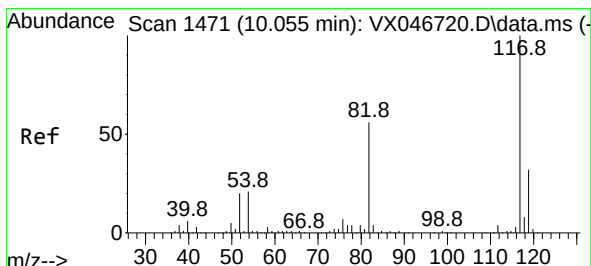
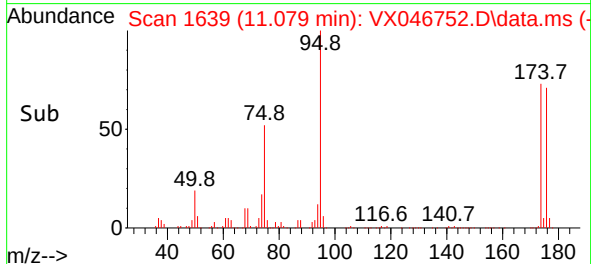
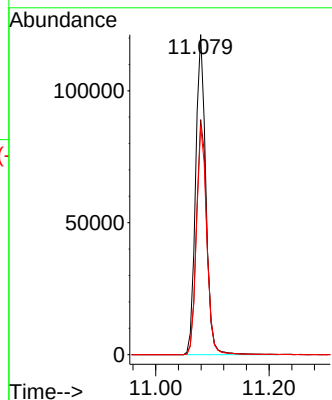
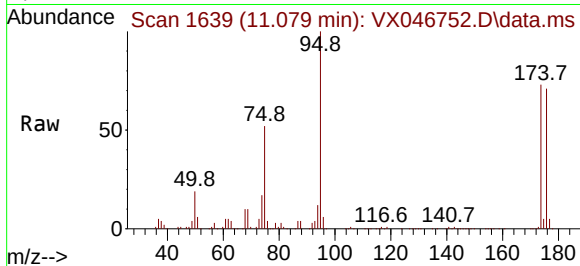




#62
4-Bromofluorobenzene
Concen: 47.901 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

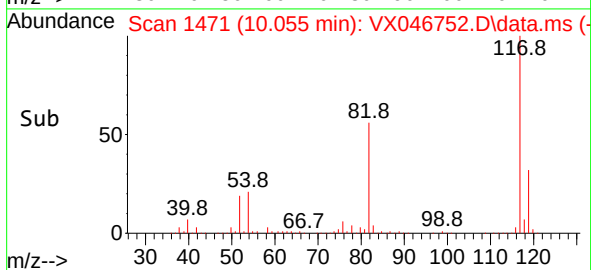
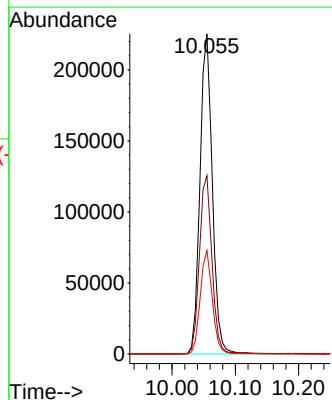
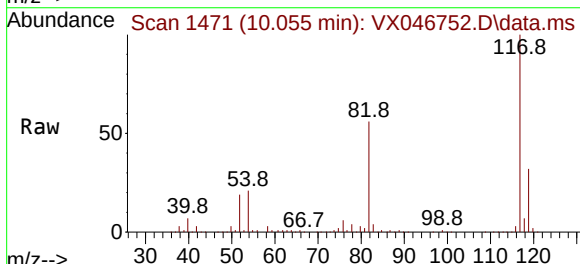
Instrument :
MSVOA_X
ClientSampleId :
MW-2

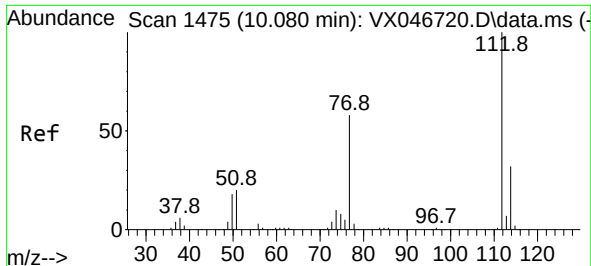
Tgt Ion: 95 Resp: 150781
Ion Ratio Lower Upper
95 100
174 75.3 0.0 150.4
176 72.0 0.0 145.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

Tgt Ion: 117 Resp: 307080
Ion Ratio Lower Upper
117 100
82 55.7 44.6 66.8
119 32.3 25.8 38.8

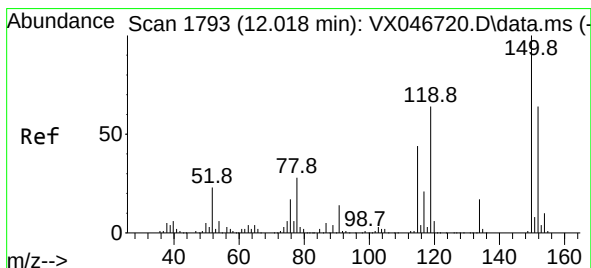
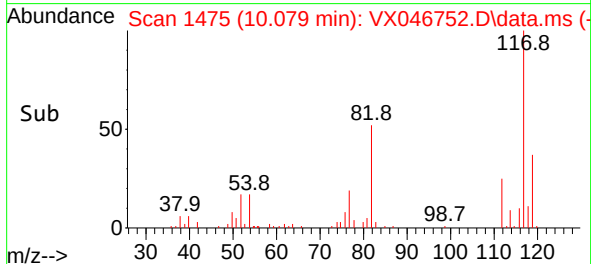
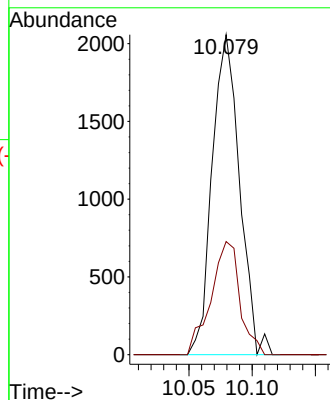
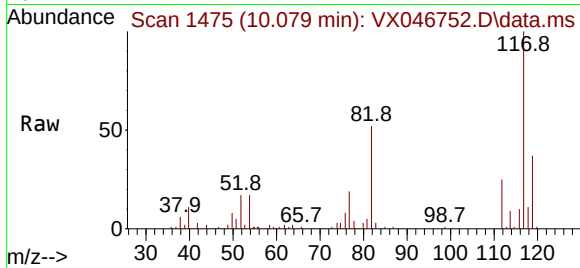




#65
Chlorobenzene
Concen: 0.457 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

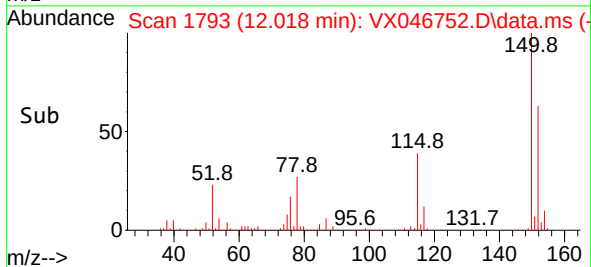
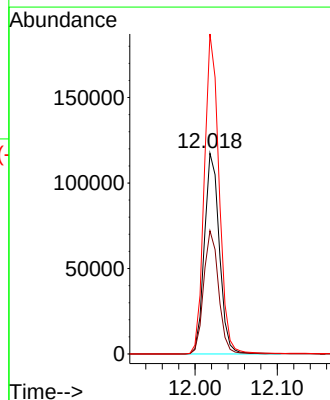
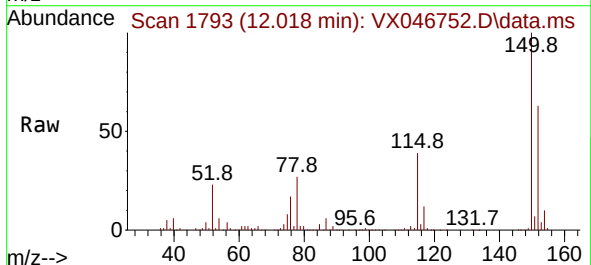
Instrument :
MSVOA_X
ClientSampleId :
MW-2

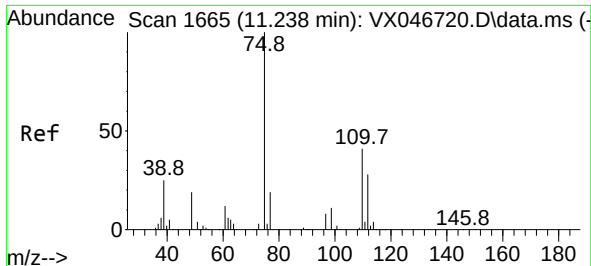
Tgt Ion:112 Resp: 3095
Ion Ratio Lower Upper
112 100
114 39.6 25.5 38.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

Tgt Ion:152 Resp: 148475
Ion Ratio Lower Upper
152 100
115 61.1 43.2 129.6
150 157.2 0.0 346.8

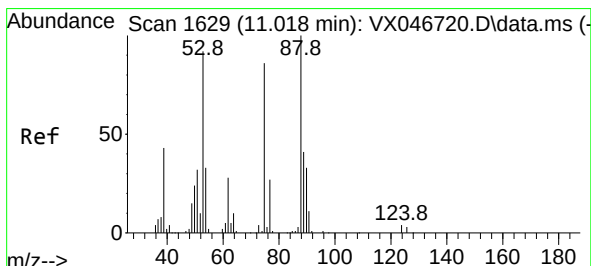
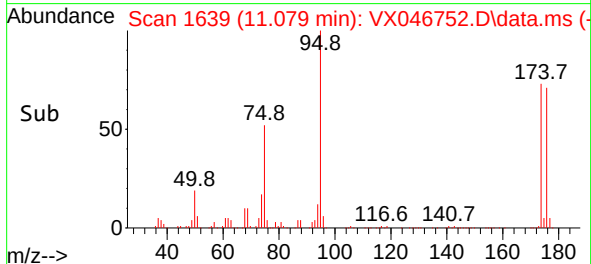
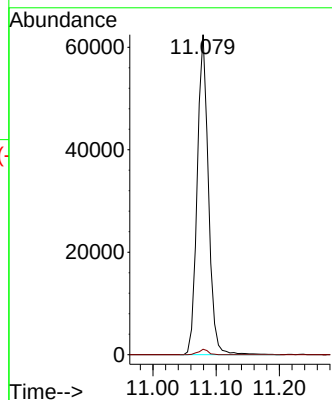
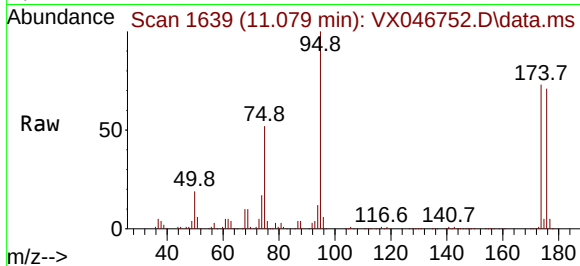




#76
1,2,3-Trichloropropane
Concen: 28.367 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

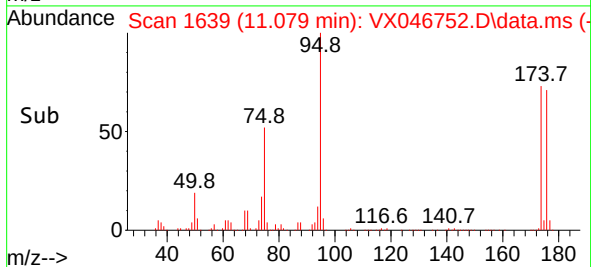
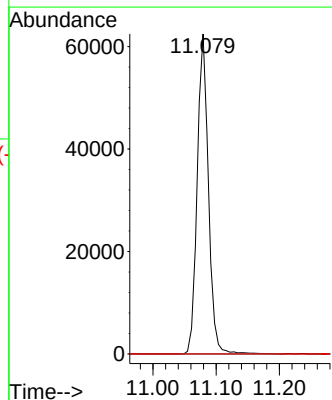
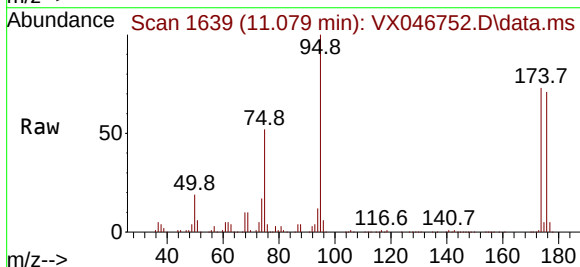
Instrument :
MSVOA_X
ClientSampleId :
MW-2

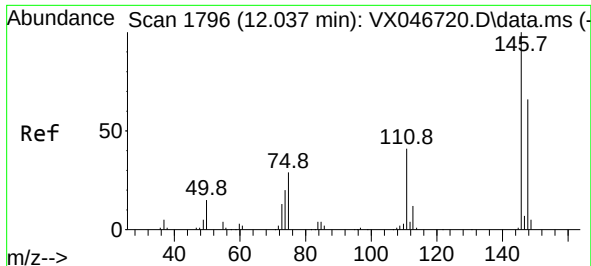
Tgt Ion: 75 Resp: 77140
Ion Ratio Lower Upper
75 100
77 1.5 18.5 55.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.182 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

Tgt Ion: 75 Resp: 77140
Ion Ratio Lower Upper
75 100
53 0.0 86.8 130.2#
89 0.0 36.9 55.3#





#88

1,4-Dichlorobenzene

Concen: 0.244 ug/l

RT: 12.042 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX046752.D

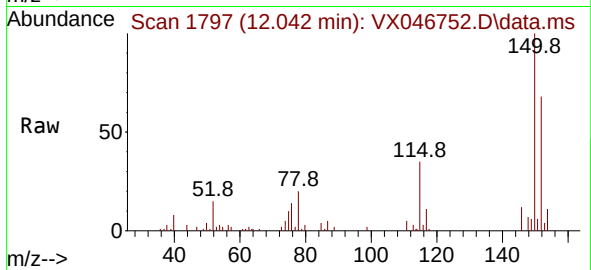
Acq: 18 Jun 2025 18:37

Instrument :

MSVOA_X

ClientSampleId :

MW-2



Tgt Ion:146 Resp: 1286

Ion Ratio Lower Upper

146 100

111 0.0 20.3 61.0#

148 99.9 32.1 96.5#

