

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046596.D
 Acq On : 10 Jun 2025 12:51
 Operator : JC/MD
 Sample : Q2233-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-56-060425DL

Quant Time: Jun 11 01:46:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

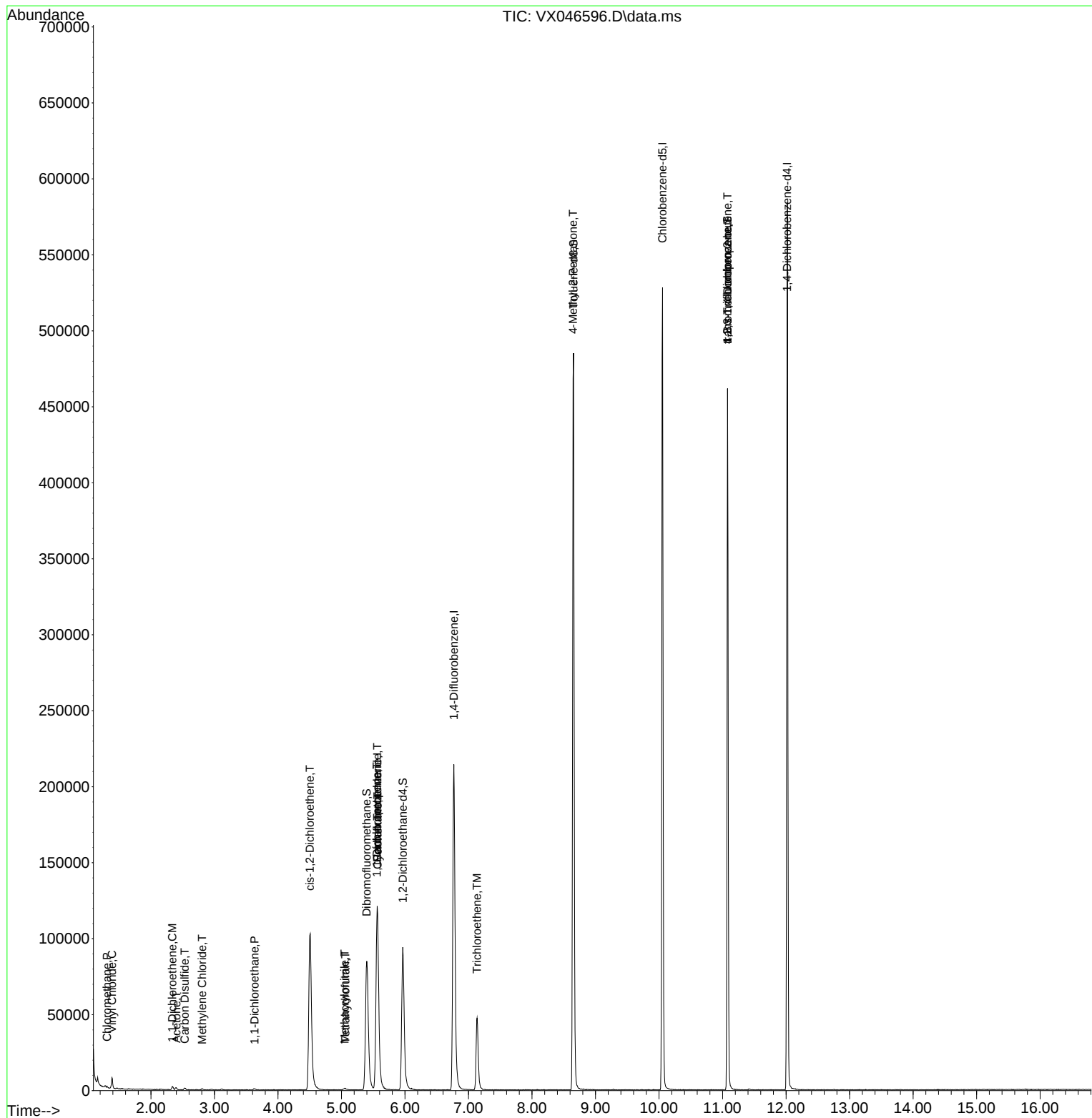
Internal Standards						
1) Pentafluorobenzene	5.562	168	113282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	219800	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	112325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	97673	48.463	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.920%
35) Dibromofluoromethane	5.397	113	80813	49.996	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.000%
50) Toluene-d8	8.653	98	290211	54.458	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.920%
62) 4-Bromofluorobenzene	11.079	95	121540	55.123	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.240%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	651	0.455	ug/l	99
4) Vinyl Chloride	1.386	62	4768	3.341	ug/l	97
12) 1,1-Dichloroethene	2.337	96	804	0.598	ug/l #	77
16) Acetone	2.398	43	1914	6.968	ug/l	98
17) Carbon Disulfide	2.532	76	1157	0.606	ug/l #	84
20) Methylene Chloride	2.806	84	414	0.256	ug/l #	66
24) 1,1-Dichloroethane	3.629	63	1238	0.427	ug/l #	82
27) cis-1,2-Dichloroethene	4.501	96	70421	40.192	ug/l	86
29) Tetrahydrofuran	5.062	42	1092	1.541	ug/l #	60
31) Cyclohexane	5.568	56	2787	1.189	ug/l #	27
36) 1,1-Dichloropropene	5.556	75	10480	4.539	ug/l #	52
38) Carbon Tetrachloride	5.562	117	12854	4.970	ug/l #	17
41) Methacrylonitrile	5.050	41	702	0.502	ug/l #	38
44) Trichloroethene	7.135	130	19008	11.509	ug/l	96
51) 4-Methyl-2-Pentanone	8.647	43	1379	0.552	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	65023	27.330	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	65023	78.836	ug/l #	1

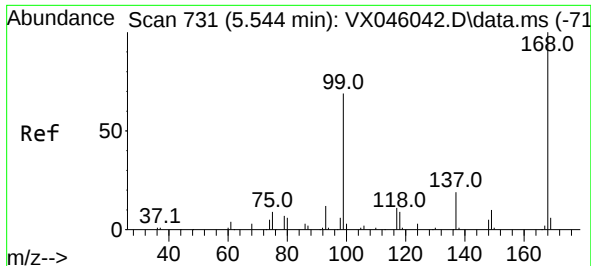
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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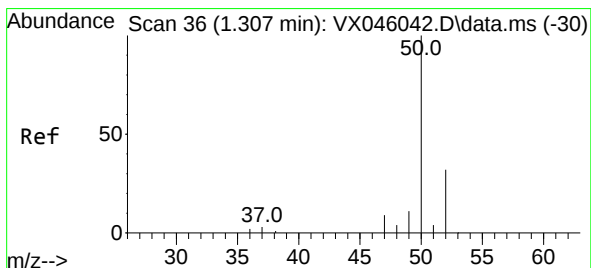
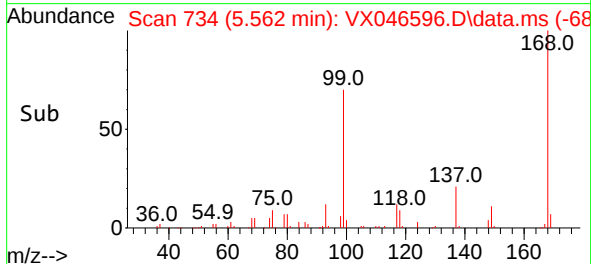
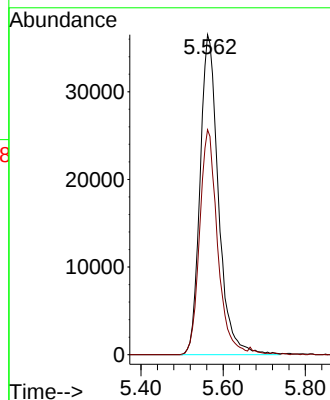
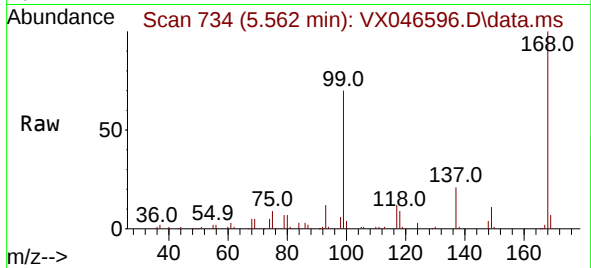




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046596.D
Acq: 10 Jun 2025 12:51

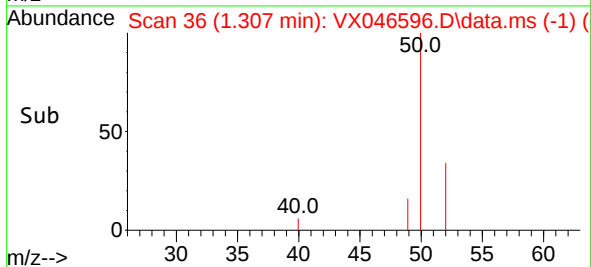
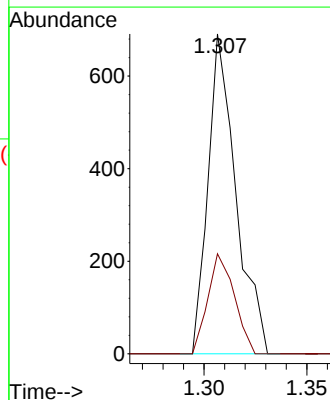
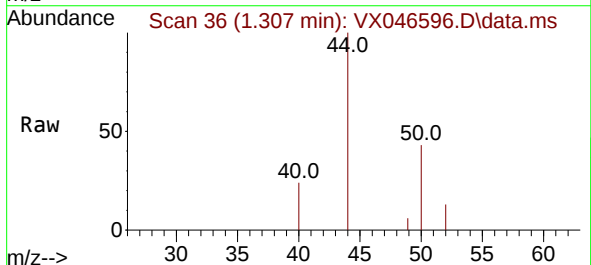
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425DL

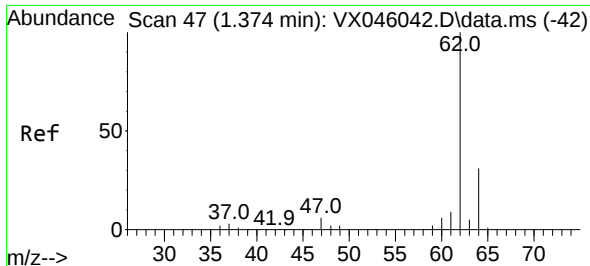
Tgt Ion:168 Resp: 113282
Ion Ratio Lower Upper
168 100
99 70.3 54.9 82.3



#3
Chloromethane
Concen: 0.455 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046596.D
Acq: 10 Jun 2025 12:51

Tgt Ion: 50 Resp: 651
Ion Ratio Lower Upper
50 100
52 31.3 25.4 38.2

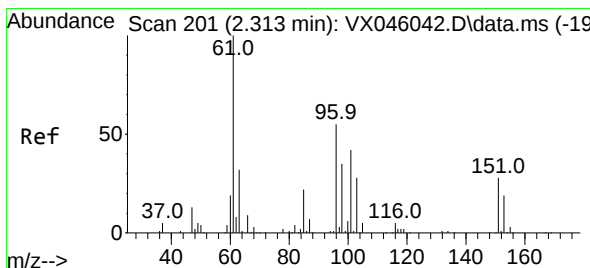
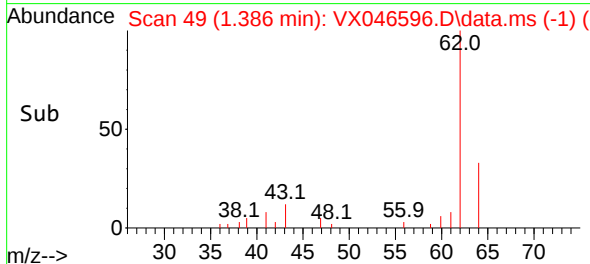
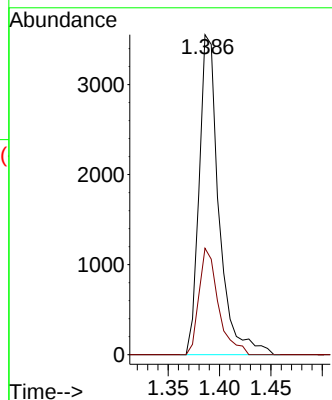
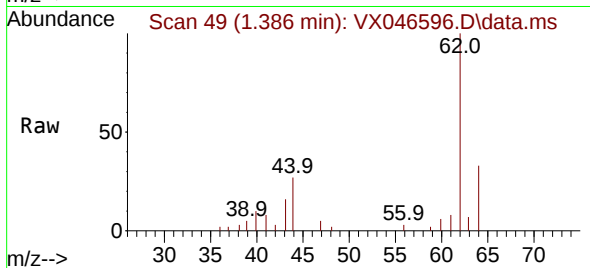




#4
 Vinyl Chloride
 Concen: 3.341 ug/l
 RT: 1.386 min Scan# 49
 Delta R.T. -0.000 min
 Lab File: VX046596.D
 Acq: 10 Jun 2025 12:51

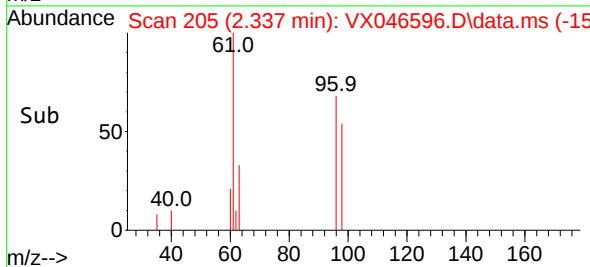
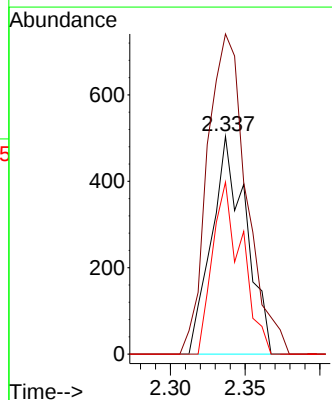
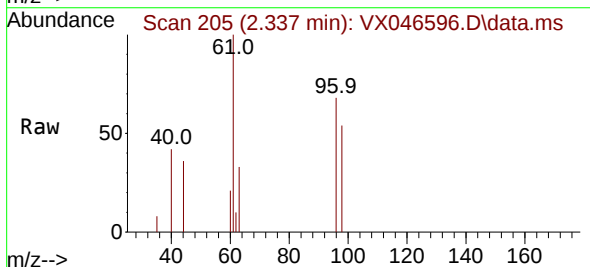
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-56-060425DL

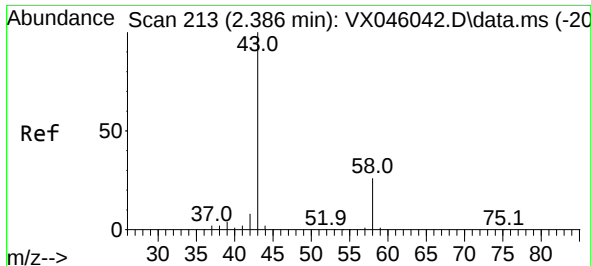
Tgt Ion: 62 Resp: 4768
 Ion Ratio Lower Upper
 62 100
 64 33.2 25.2 37.8



#12
 1,1-Dichloroethene
 Concen: 0.598 ug/l
 RT: 2.337 min Scan# 205
 Delta R.T. -0.000 min
 Lab File: VX046596.D
 Acq: 10 Jun 2025 12:51

Tgt Ion: 96 Resp: 804
 Ion Ratio Lower Upper
 96 100
 61 147.0 146.2 219.2
 98 79.0 51.0 76.6#

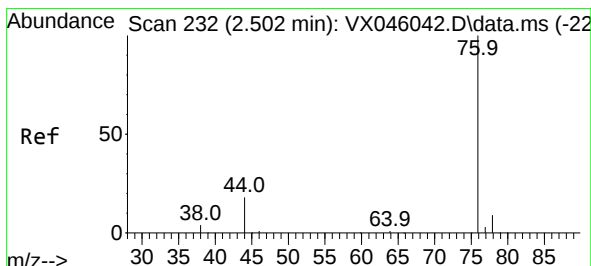
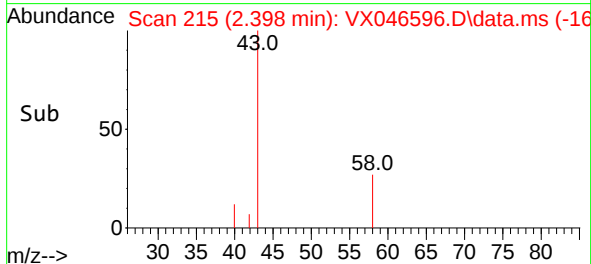
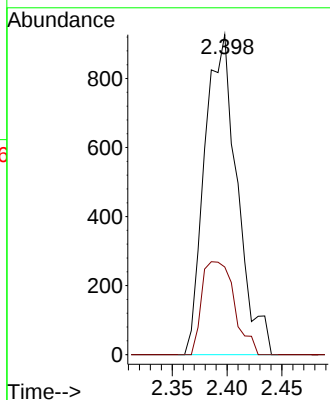
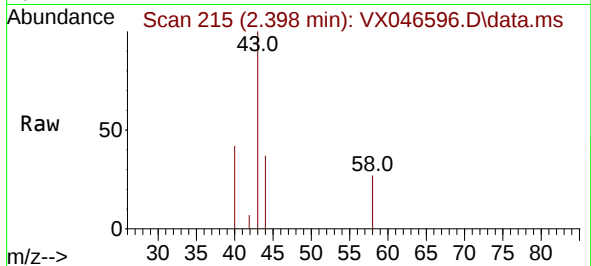




#16
Acetone
Concen: 6.968 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX046596.D
Acq: 10 Jun 2025 12:51

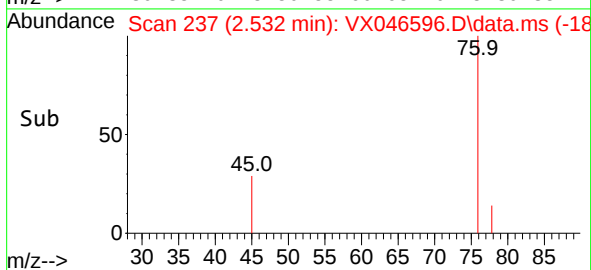
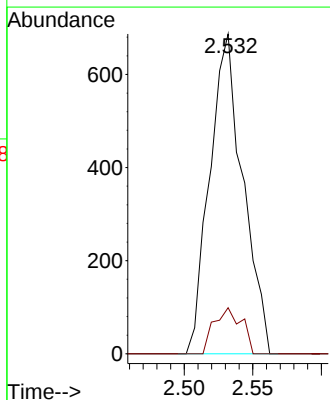
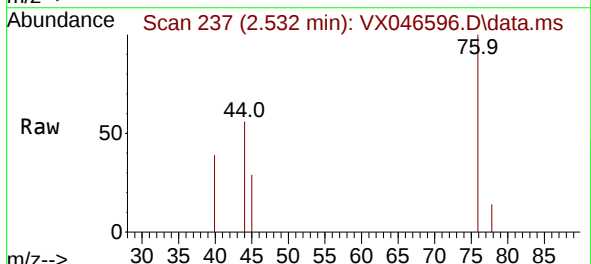
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425DL

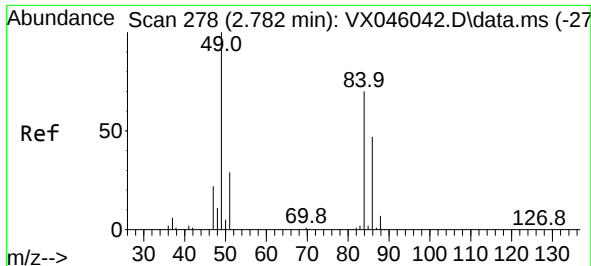
Tgt Ion: 43 Resp: 1914
Ion Ratio Lower Upper
43 100
58 27.4 21.2 31.8



#17
Carbon Disulfide
Concen: 0.606 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.000 min
Lab File: VX046596.D
Acq: 10 Jun 2025 12:51

Tgt Ion: 76 Resp: 1157
Ion Ratio Lower Upper
76 100
78 14.4 7.0 10.4#

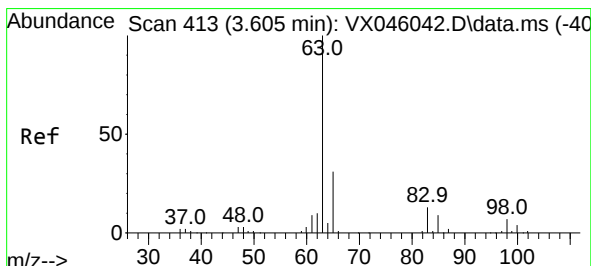
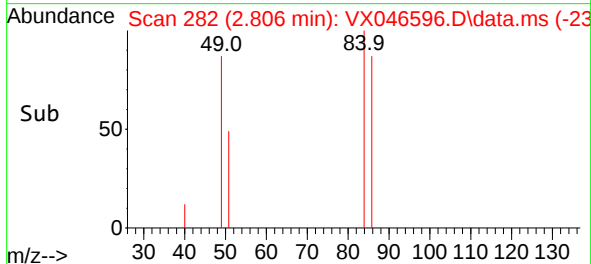
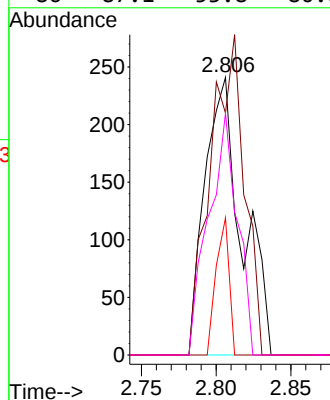
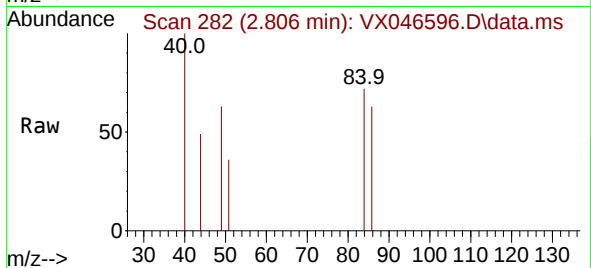




#20
Methylene Chloride
Concen: 0.256 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046596.D
Acq: 10 Jun 2025 12:51

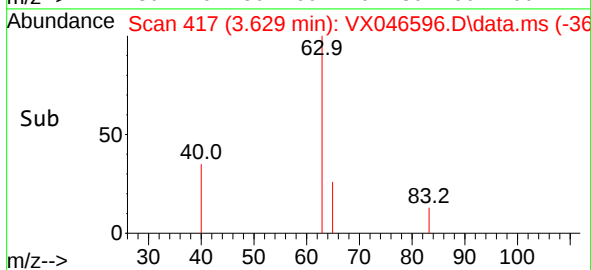
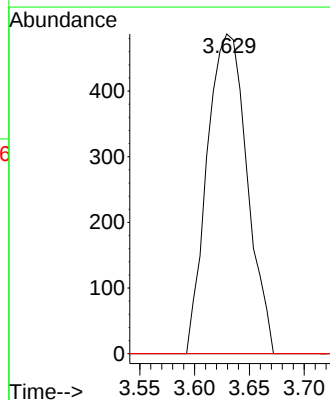
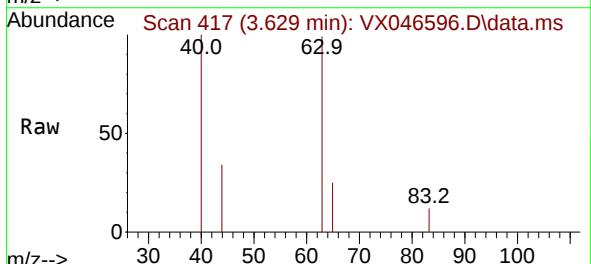
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425DL

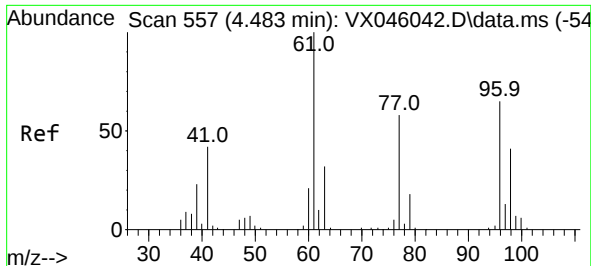
Tgt Ion:	84	Resp:	414
Ion	Ratio	Lower	Upper
84	100		
49	87.1	113.9	170.9#
51	49.4	33.5	50.3
86	87.1	53.8	80.8#



#24
1,1-Dichloroethane
Concen: 0.427 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.000 min
Lab File: VX046596.D
Acq: 10 Jun 2025 12:51

Tgt Ion:	63	Resp:	1238
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.6	10.8#
100	0.0	2.1	6.3#





#27

cis-1,2-Dichloroethene

Concen: 40.192 ug/l

RT: 4.501 min Scan# 5

Delta R.T. -0.006 min

Lab File: VX046596.D

Acq: 10 Jun 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425DL

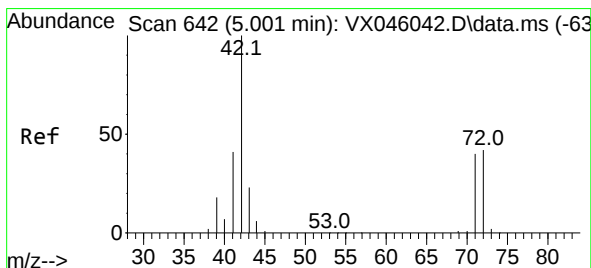
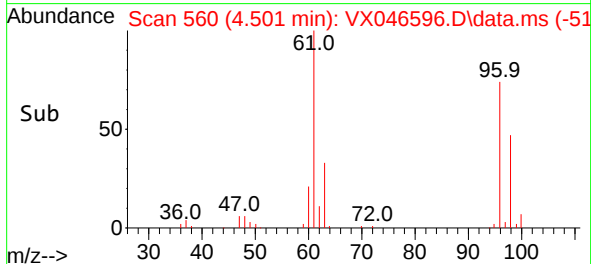
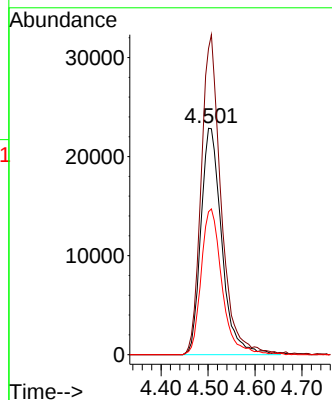
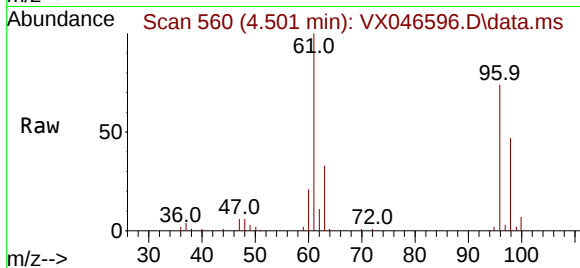
Tgt Ion: 96 Resp: 70421

Ion Ratio Lower Upper

96 100

61 135.0 0.0 322.8

98 64.1 0.0 129.0



#29

Tetrahydrofuran

Concen: 1.541 ug/l

RT: 5.062 min Scan# 652

Delta R.T. 0.043 min

Lab File: VX046596.D

Acq: 10 Jun 2025 12:51

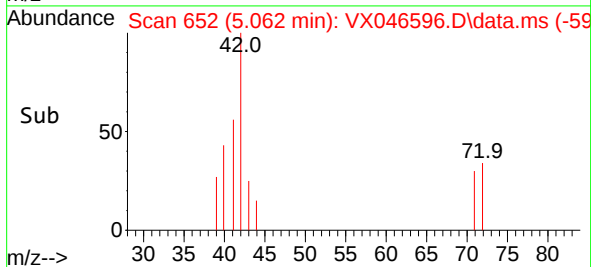
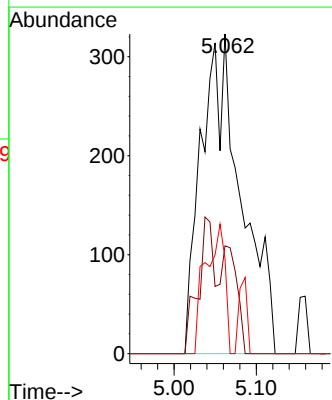
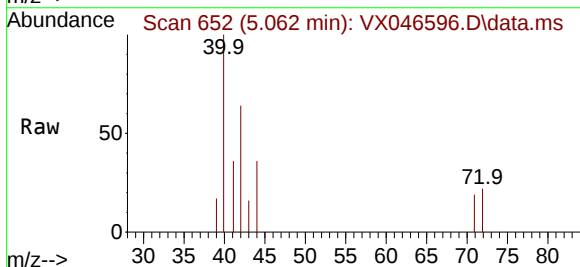
Tgt Ion: 42 Resp: 1092

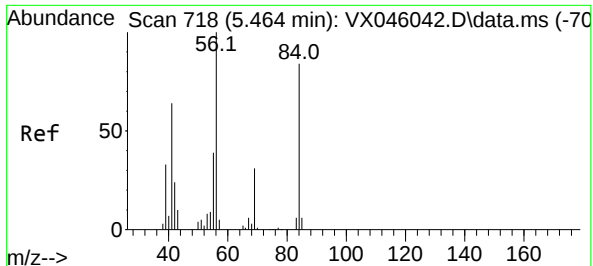
Ion Ratio Lower Upper

42 100

72 11.7 33.7 50.5#

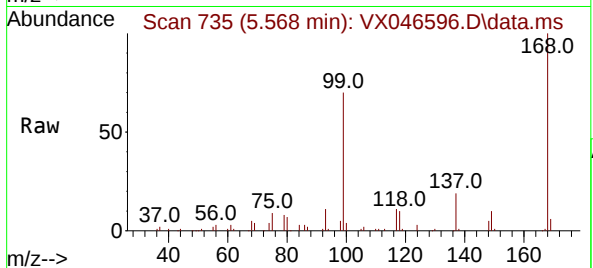
71 20.0 31.4 47.2#





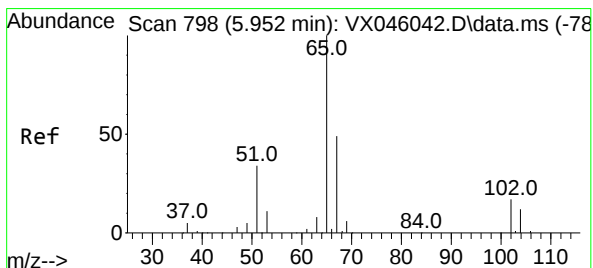
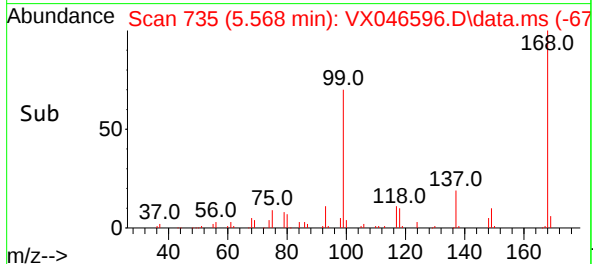
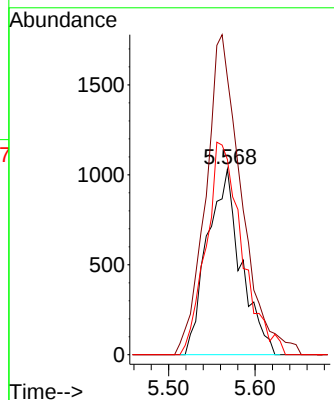
#31
Cyclohexane
Concen: 1.189 ug/l
RT: 5.568 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046596.D
Acq: 10 Jun 2025 12:51

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Tgt Ion: 56 Resp: 2787

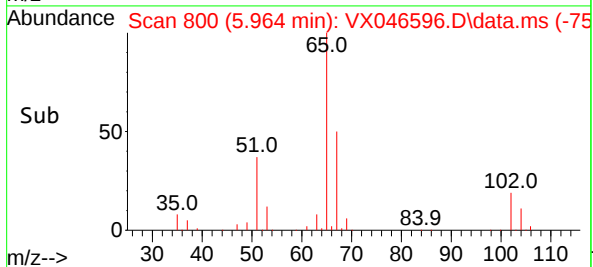
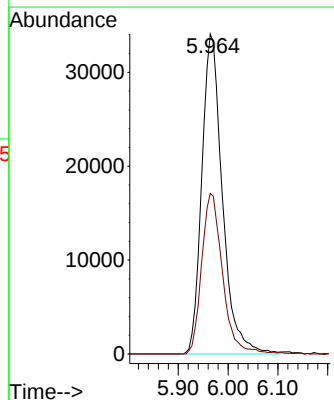
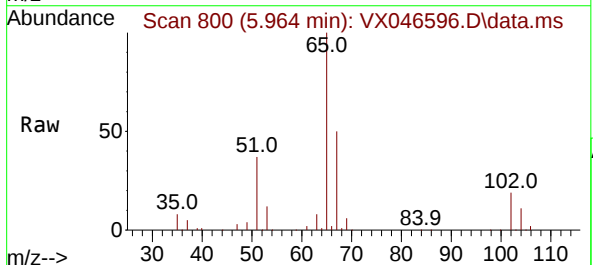
Ion	Ratio	Lower	Upper
56	100		
69	143.4	24.4	36.6#
84	105.2	66.9	100.3#

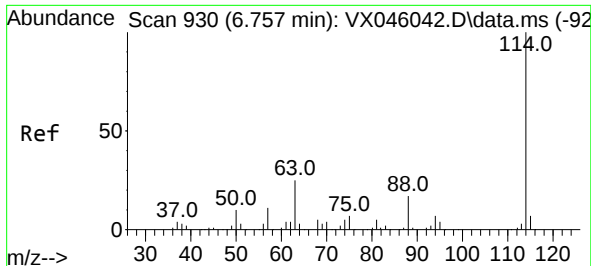


#33
1,2-Dichloroethane-d4
Concen: 48.463 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.006 min
Lab File: VX046596.D
Acq: 10 Jun 2025 12:51

Tgt Ion: 65 Resp: 97673

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX046596.D

Acq: 10 Jun 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425DL

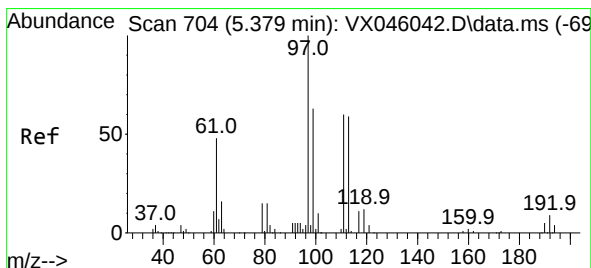
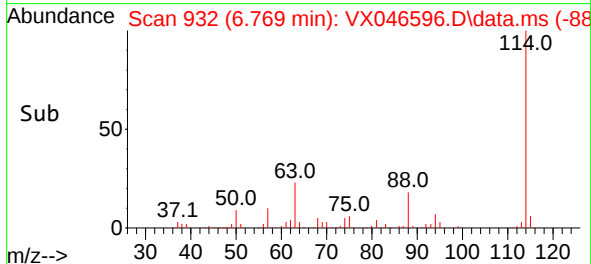
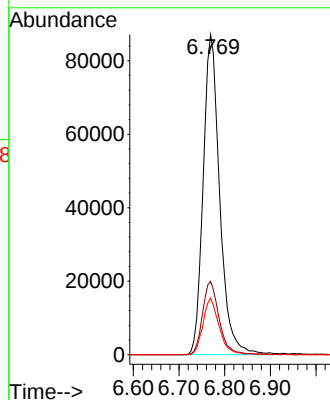
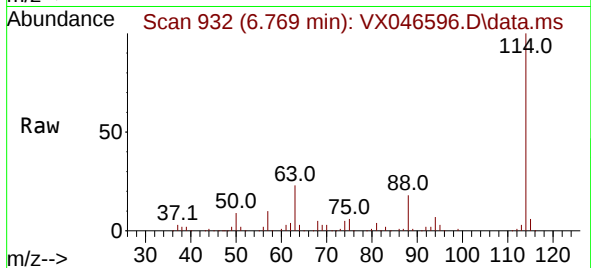
Tgt Ion:114 Resp: 219800

Ion Ratio Lower Upper

114 100

63 22.9 0.0 49.2

88 17.7 0.0 33.6



#35

Dibromofluoromethane

Concen: 49.996 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.006 min

Lab File: VX046596.D

Acq: 10 Jun 2025 12:51

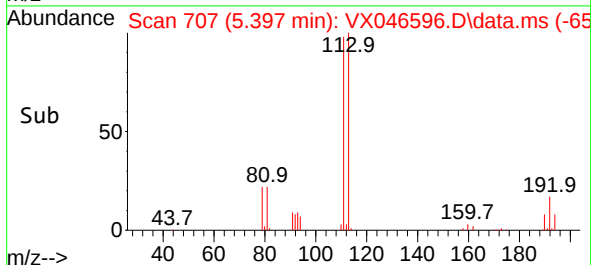
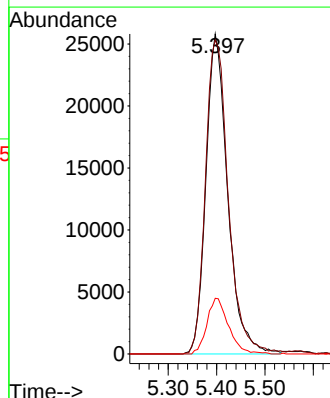
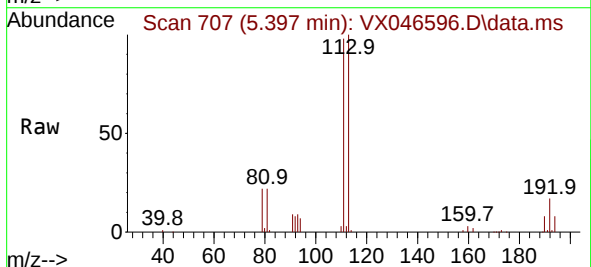
Tgt Ion:113 Resp: 80813

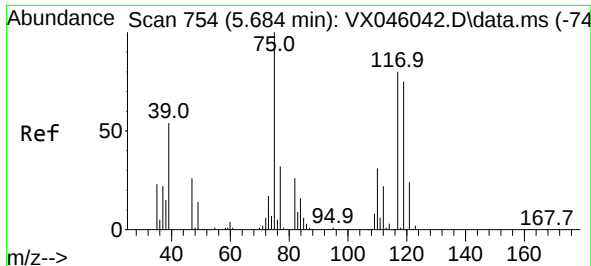
Ion Ratio Lower Upper

113 100

111 103.1 83.1 124.7

192 17.2 13.3 19.9

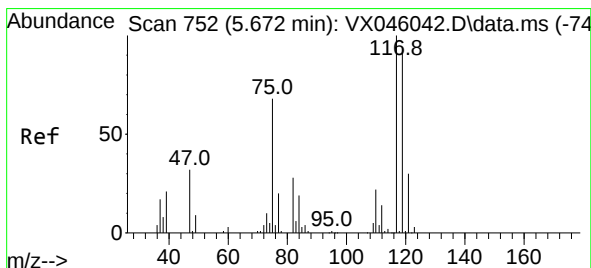
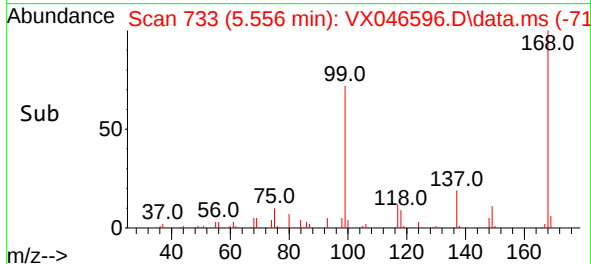
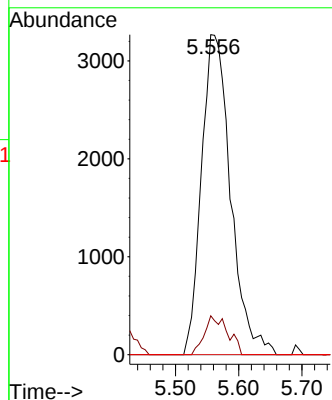
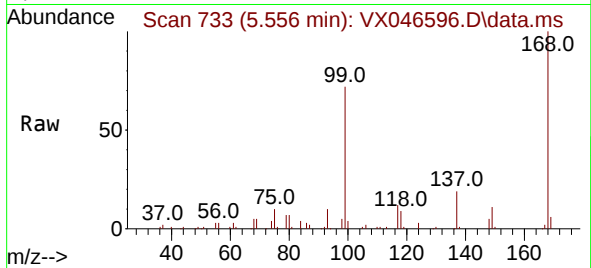




#36
1,1-Dichloropropene
Concen: 4.539 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.158 min
Lab File: VX046596.D
Acq: 10 Jun 2025 12:51

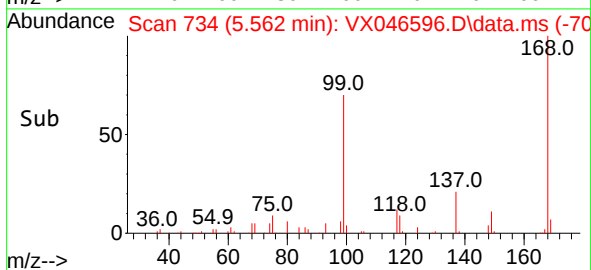
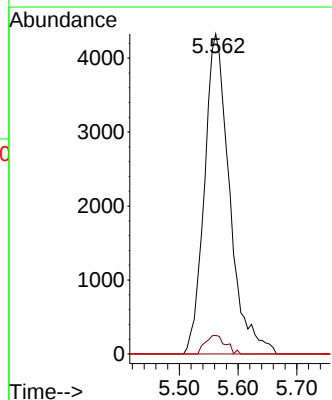
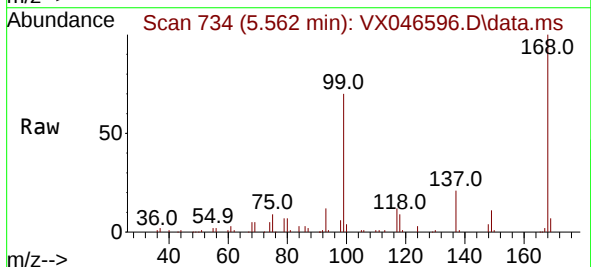
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425DL

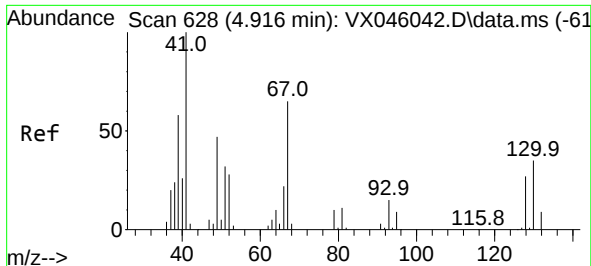
Tgt Ion: 75 Resp: 10480
Ion Ratio Lower Upper
75 100
110 9.7 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.970 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX046596.D
Acq: 10 Jun 2025 12:51

Tgt Ion: 117 Resp: 12854
Ion Ratio Lower Upper
117 100
119 5.8 75.2 112.8#
121 0.0 24.2 36.4#

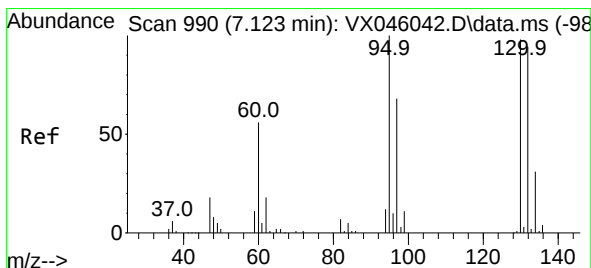
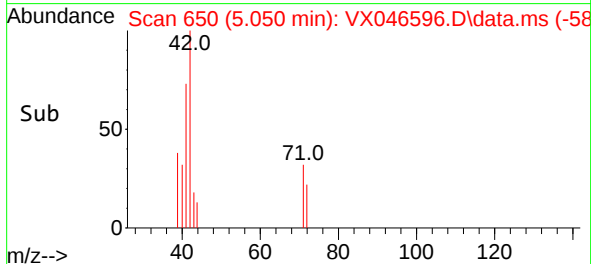
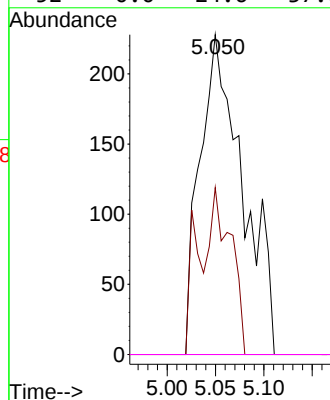
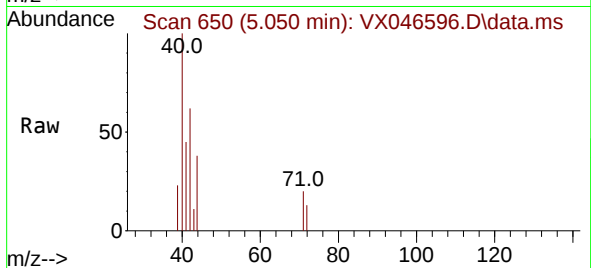




#41
Methacrylonitrile
Concen: 0.502 ug/l
RT: 5.050 min Scan# 61
Delta R.T. 0.116 min
Lab File: VX046596.D
Acq: 10 Jun 2025 12:51

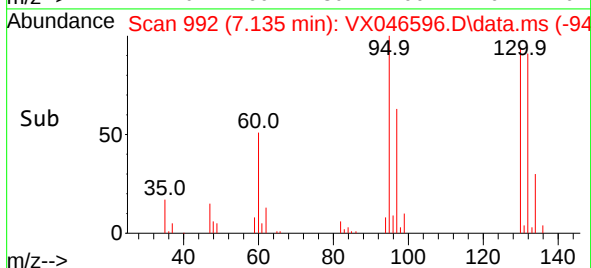
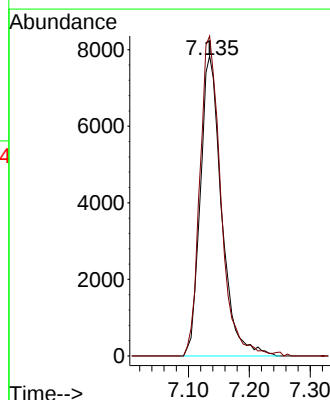
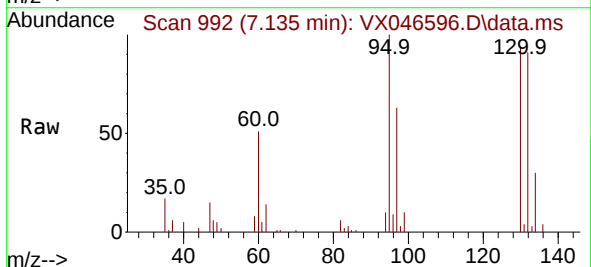
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425DL

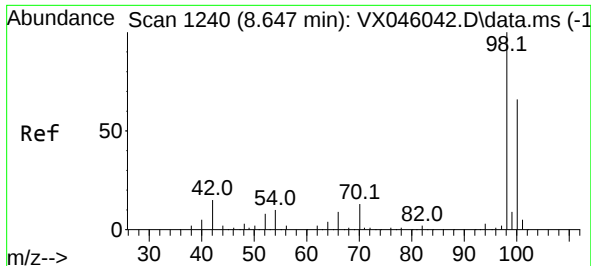
Tgt Ion: 41	Resp: 702
Ion Ratio	Lower Upper
41	100
39	26.2 47.2 70.8#
67	0.0 50.7 76.1#
52	0.0 24.6 37.0#



#44
Trichloroethene
Concen: 11.509 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX046596.D
Acq: 10 Jun 2025 12:51

Tgt Ion: 130	Resp: 19008
Ion Ratio	Lower Upper
130	100
95	106.6 0.0 204.2

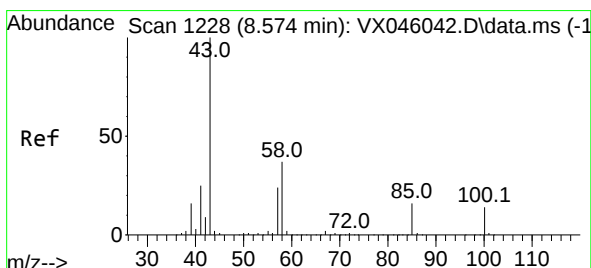
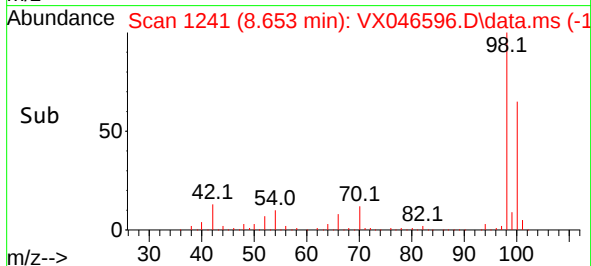
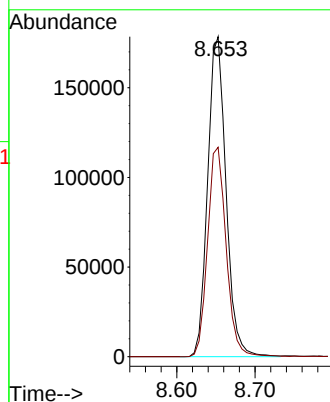
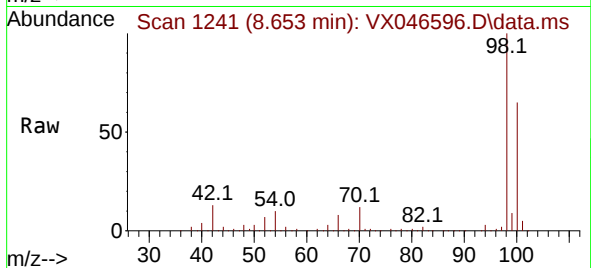




#50
Toluene-d8
Concen: 54.458 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046596.D
Acq: 10 Jun 2025 12:51

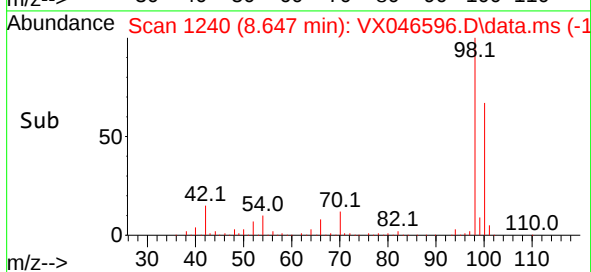
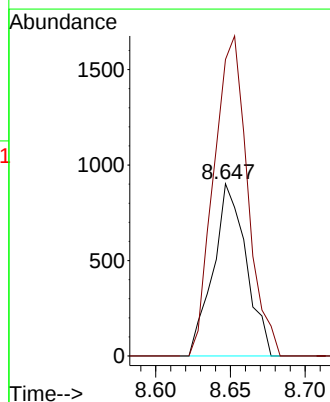
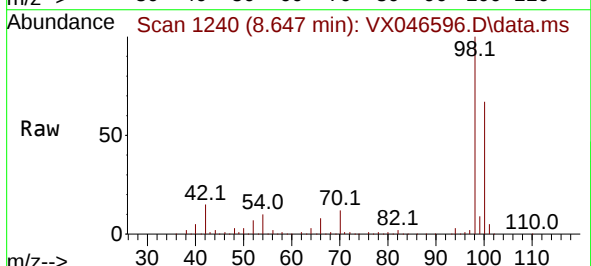
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425DL

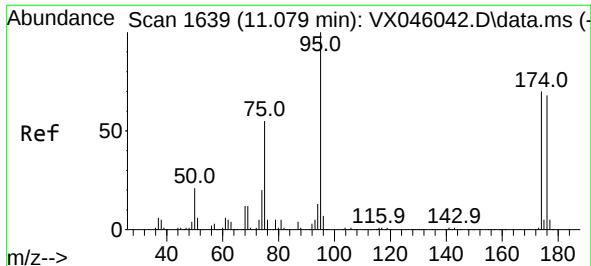
Tgt Ion: 98 Resp: 290211
Ion Ratio Lower Upper
98 100
100 66.2 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.552 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.074 min
Lab File: VX046596.D
Acq: 10 Jun 2025 12:51

Tgt Ion: 43 Resp: 1379
Ion Ratio Lower Upper
43 100
58 190.9 28.9 43.3#

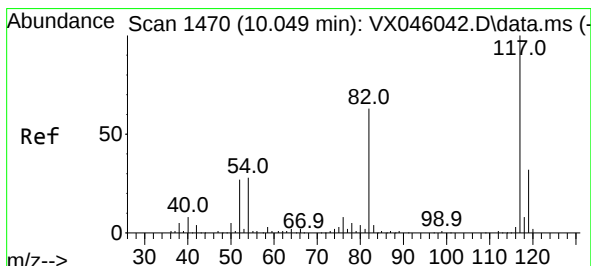
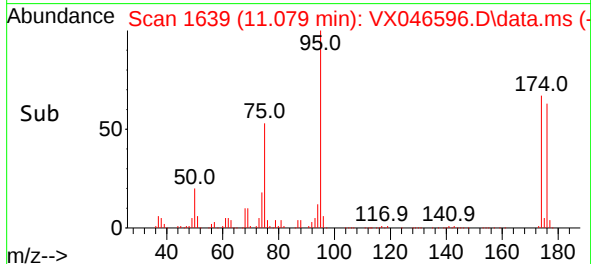
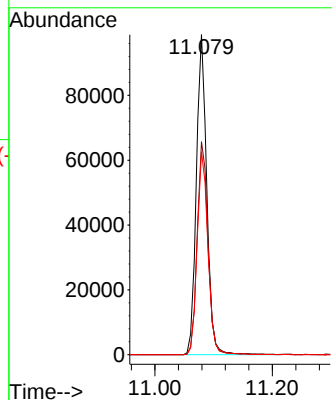
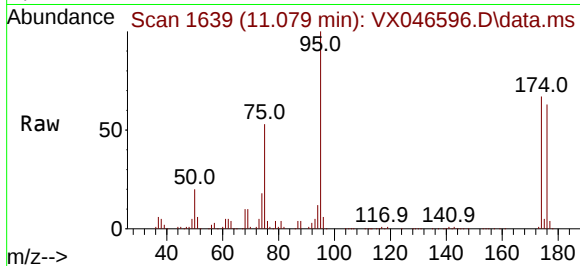




#62
4-Bromofluorobenzene
Concen: 55.123 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046596.D
Acq: 10 Jun 2025 12:51

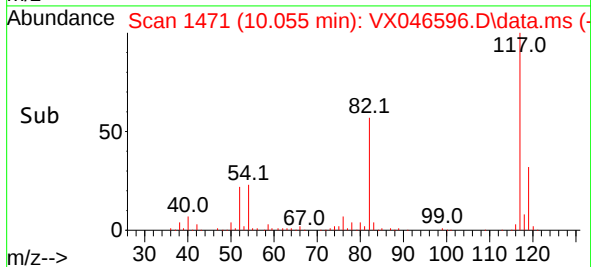
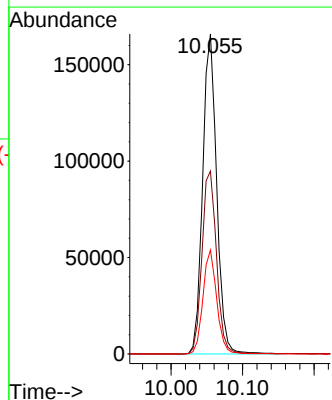
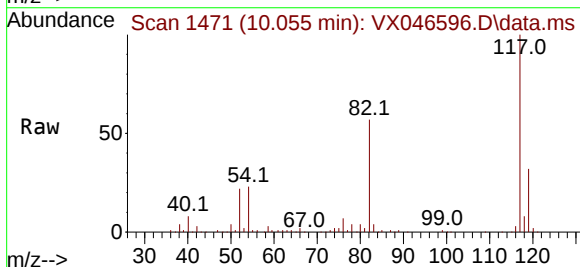
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425DL

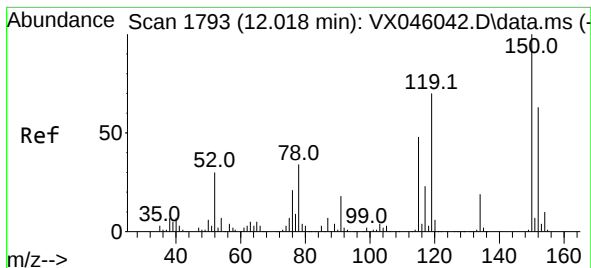
Tgt Ion: 95 Resp: 121540
Ion Ratio Lower Upper
95 100
174 69.2 0.0 135.8
176 65.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046596.D
Acq: 10 Jun 2025 12:51

Tgt Ion: 117 Resp: 225853
Ion Ratio Lower Upper
117 100
82 57.2 50.6 76.0
119 32.5 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX046596.D

Acq: 10 Jun 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425DL

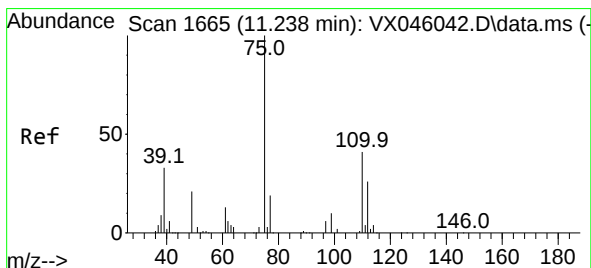
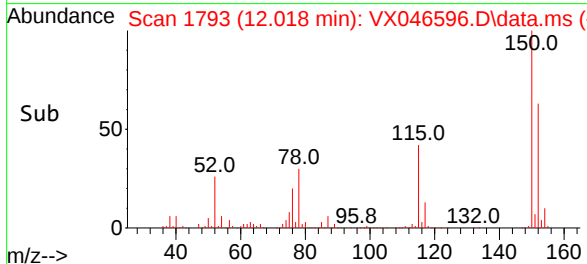
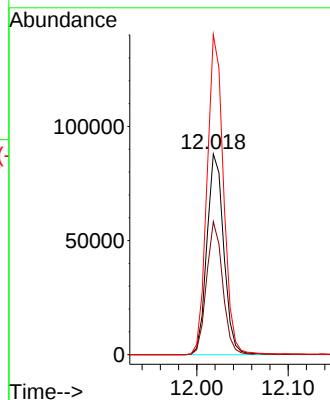
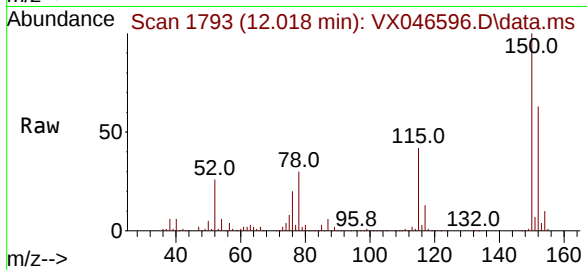
Tgt Ion:152 Resp: 112325

Ion Ratio Lower Upper

152 100

115 63.5 46.9 140.7

150 156.1 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 27.330 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046596.D

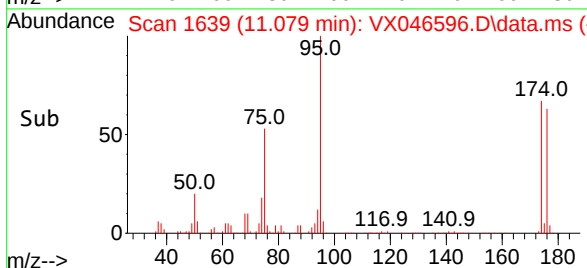
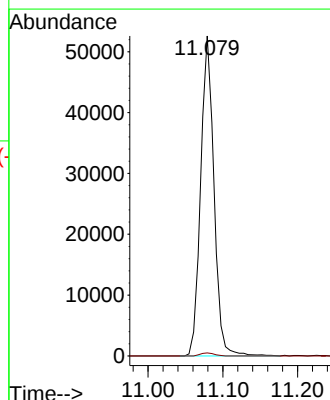
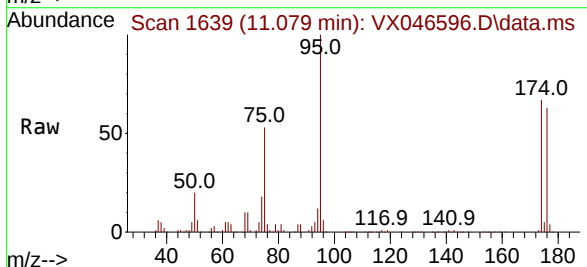
Acq: 10 Jun 2025 12:51

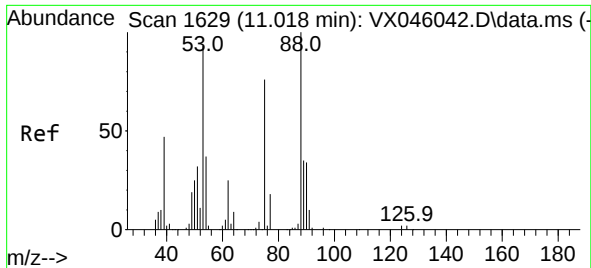
Tgt Ion: 75 Resp: 65023

Ion Ratio Lower Upper

75 100

77 1.0 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.836 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046596.D
 Acq: 10 Jun 2025 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-56-060425DL

Tgt Ion: 75 Resp: 65023
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

