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 Data File : VX046597.D
 Acq On : 10 Jun 2025 13:13
 Operator : JC/MD
 Sample : Q2233-03 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

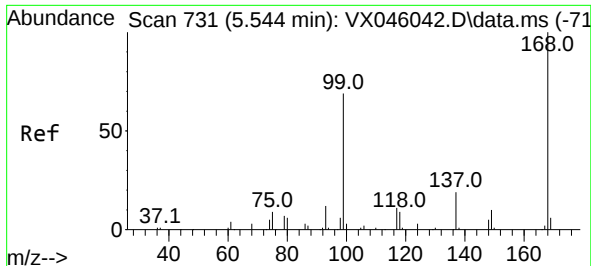
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-56-060425-FDDL

Quant Time: Jun 11 01:46:34 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	114089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	221007	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	113693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99818	49.177	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.360%
35) Dibromofluoromethane	5.403	113	82683	50.873	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.740%
50) Toluene-d8	8.653	98	293804	54.831	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.660%
62) 4-Bromofluorobenzene	11.079	95	123653	55.775	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	111.560%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	1462	1.014	ug/l	100
4) Vinyl Chloride	1.386	62	6093	4.240	ug/l	93
12) 1,1-Dichloroethene	2.343	96	730	0.539	ug/l	82
16) Acetone	2.392	43	3207	8.544	ug/l #	81
17) Carbon Disulfide	2.532	76	2517	1.074	ug/l	99
20) Methylene Chloride	2.812	84	421	0.259	ug/l #	60
21) trans-1,2-Dichloroethene	3.105	96	611	0.426	ug/l #	82
24) 1,1-Dichloroethane	3.635	63	1512	0.517	ug/l #	82
27) cis-1,2-Dichloroethene	4.507	96	91409	51.801	ug/l	86
29) Tetrahydrofuran	5.050	42	1290	1.808	ug/l #	71
31) Cyclohexane	5.562	56	2921	1.238	ug/l #	20
36) 1,1-Dichloropropene	5.568	75	10462	4.506	ug/l #	51
38) Carbon Tetrachloride	5.562	117	13610	5.234	ug/l #	18
41) Methacrylonitrile	5.056	41	653	0.464	ug/l #	41
42) 1,2-Dichloroethane	6.111	62	640	0.235	ug/l #	78
44) Trichloroethene	7.141	130	12652	7.619	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	1511	0.602	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	67099	27.863	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	67099	80.375	ug/l #	1

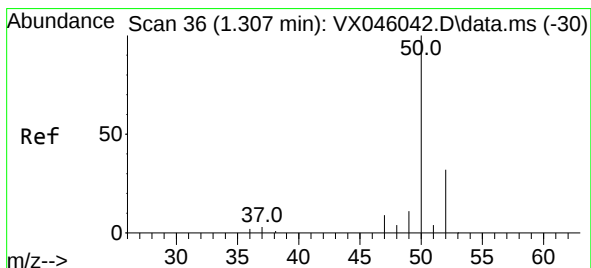
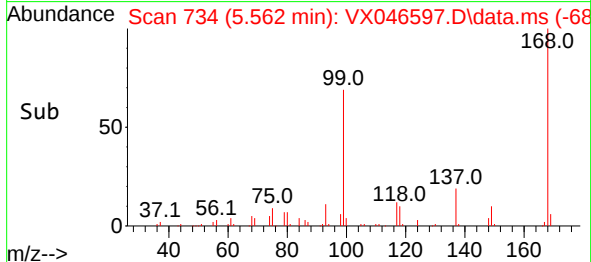
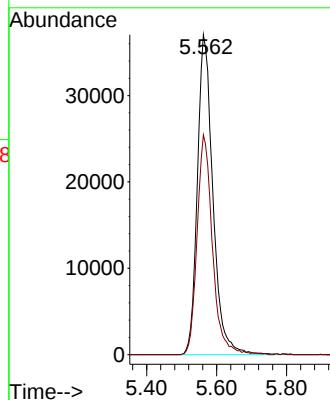
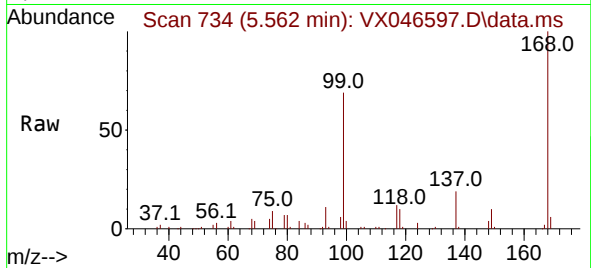
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

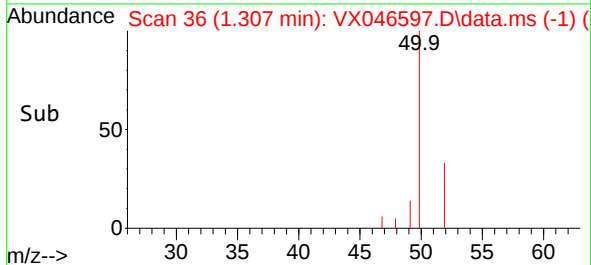
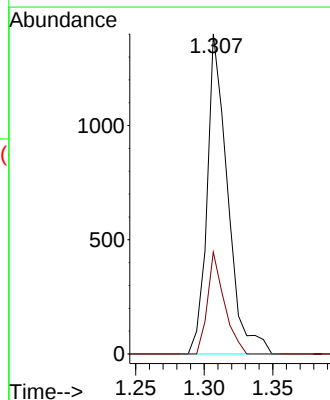
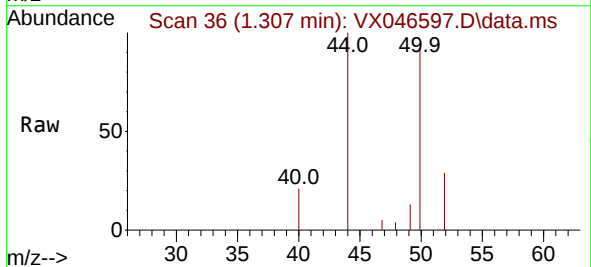
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425-FDDL

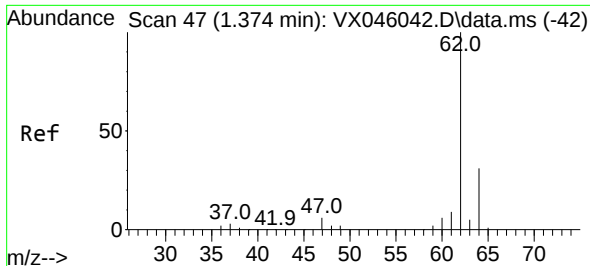
Tgt Ion:168 Resp: 114089
Ion Ratio Lower Upper
168 100
99 68.7 54.9 82.3



#3
Chloromethane
Concen: 1.014 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

Tgt Ion: 50 Resp: 1462
Ion Ratio Lower Upper
50 100
52 31.8 25.4 38.2

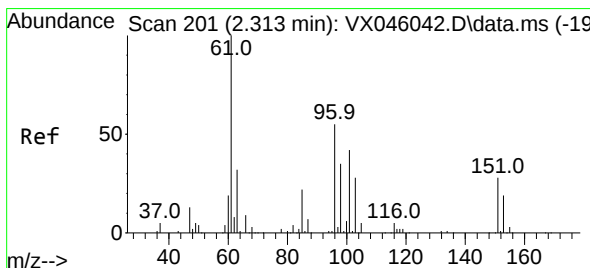
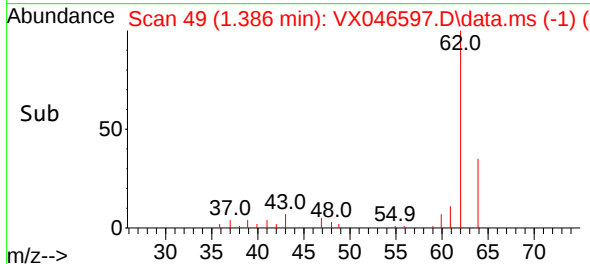
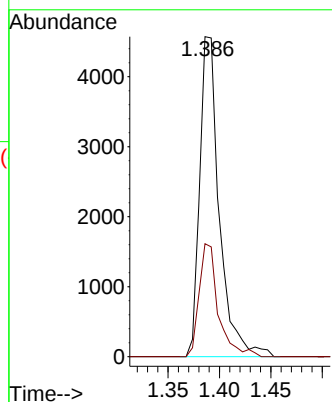
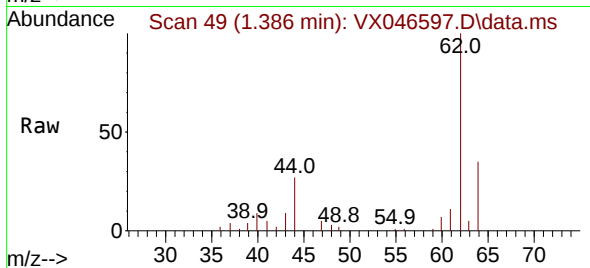




#4
 Vinyl Chloride
 Concen: 4.240 ug/l
 RT: 1.386 min Scan# 49
 Delta R.T. -0.000 min
 Lab File: VX046597.D
 Acq: 10 Jun 2025 13:13

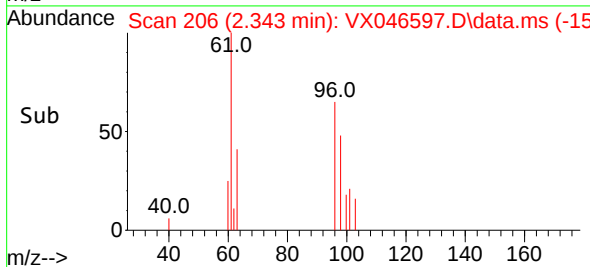
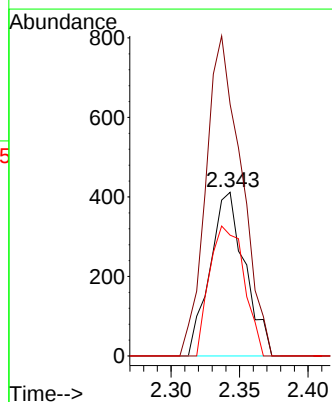
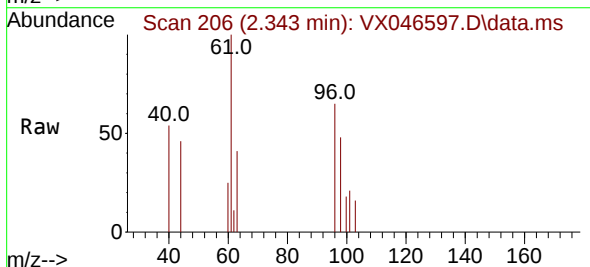
Instrument :
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 ClientSampleId :
 MW-18B-56-060425-FDDL

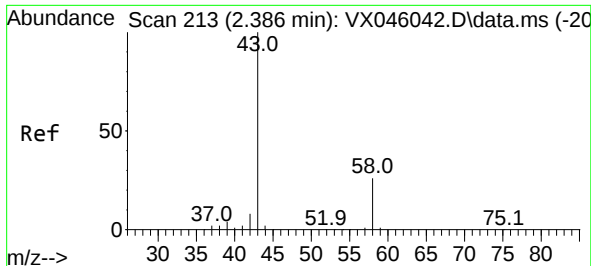
Tgt Ion: 62 Resp: 6093
 Ion Ratio Lower Upper
 62 100
 64 35.3 25.2 37.8



#12
 1,1-Dichloroethene
 Concen: 0.539 ug/l
 RT: 2.343 min Scan# 206
 Delta R.T. 0.006 min
 Lab File: VX046597.D
 Acq: 10 Jun 2025 13:13

Tgt Ion: 96 Resp: 730
 Ion Ratio Lower Upper
 96 100
 61 153.6 146.2 219.2
 98 73.8 51.0 76.6

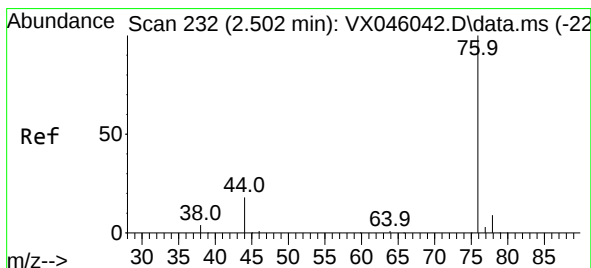
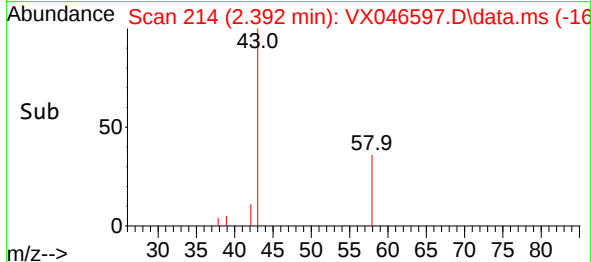
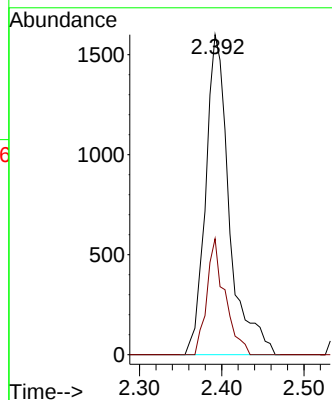
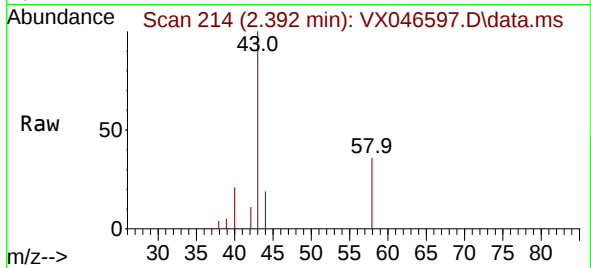




#16
Acetone
Concen: 8.544 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

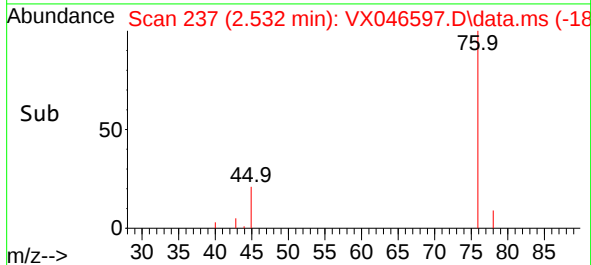
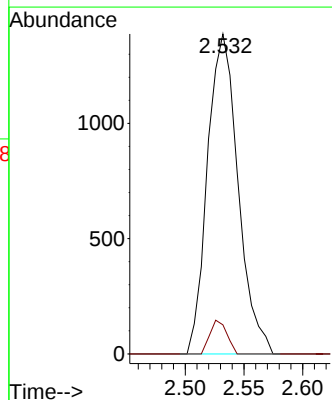
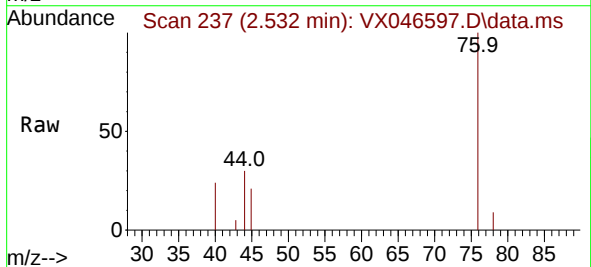
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425-FDDL

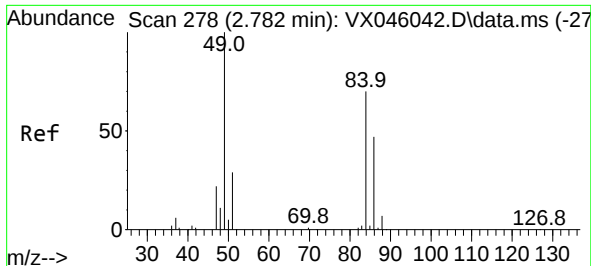
Tgt Ion: 43 Resp: 3207
Ion Ratio Lower Upper
43 100
58 36.3 21.2 31.8#



#17
Carbon Disulfide
Concen: 1.074 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

Tgt Ion: 76 Resp: 2517
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4

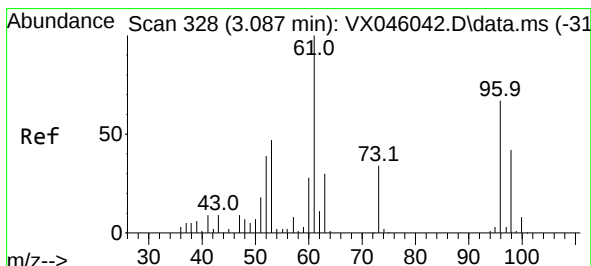
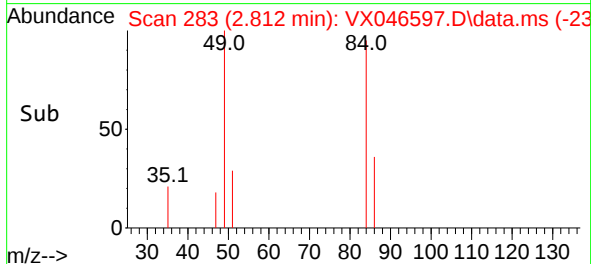
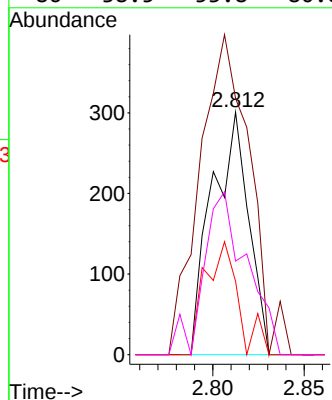
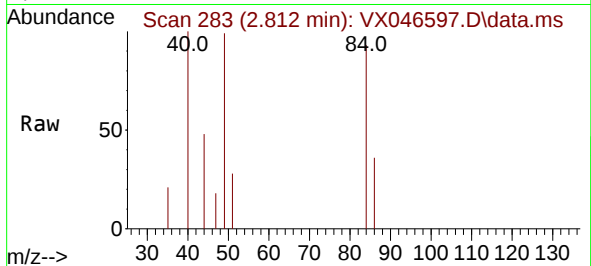




#20
Methylene Chloride
Concen: 0.259 ug/l
RT: 2.812 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

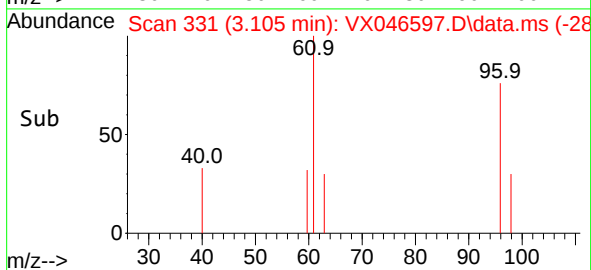
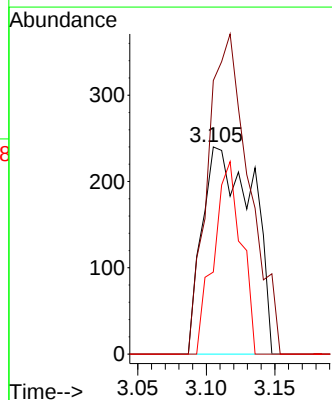
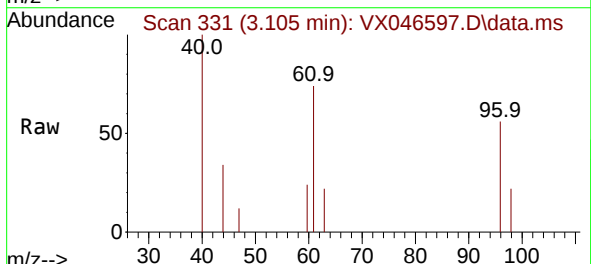
Instrument :
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ClientSampleId :
MW-18B-56-060425-FDDL

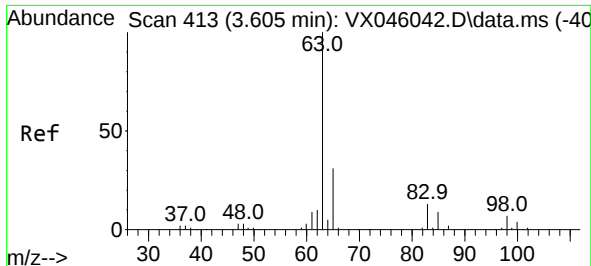
Tgt Ion: 84 Resp: 421
Ion Ratio Lower Upper
84 100
49 83.7 113.9 170.9#
51 30.2 33.5 50.3#
86 38.5 53.8 80.8#



#21
trans-1,2-Dichloroethene
Concen: 0.426 ug/l
RT: 3.105 min Scan# 331
Delta R.T. -0.006 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

Tgt Ion: 96 Resp: 611
Ion Ratio Lower Upper
96 100
61 132.1 119.5 179.3
98 39.6 50.0 75.0#

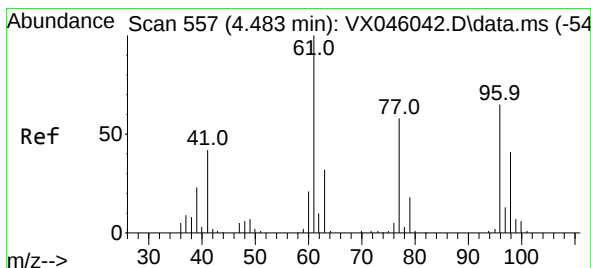
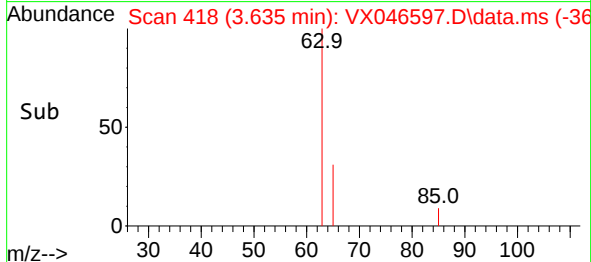
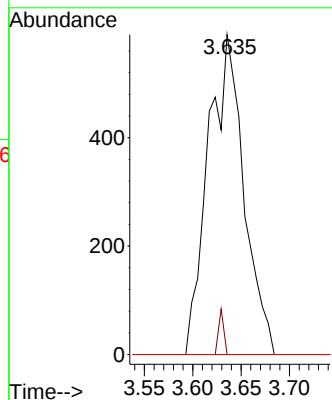
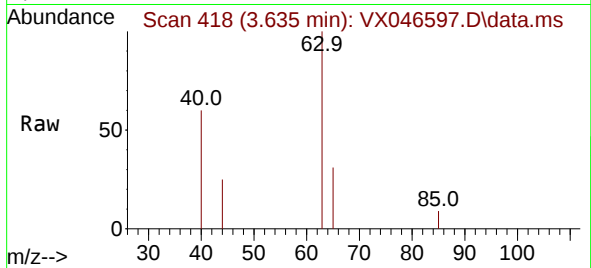




#24
1,1-Dichloroethane
Concen: 0.517 ug/l
RT: 3.635 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

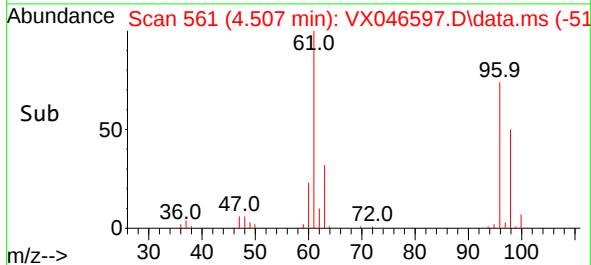
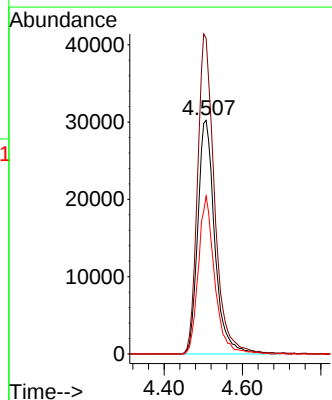
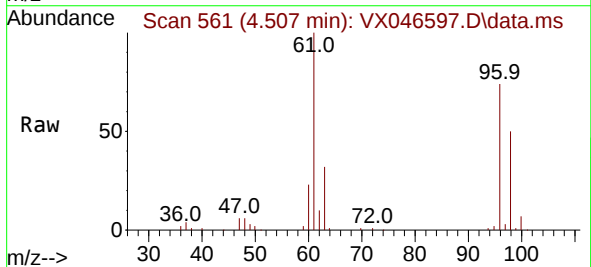
Instrument :
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ClientSampleId :
MW-18B-56-060425-FDDL

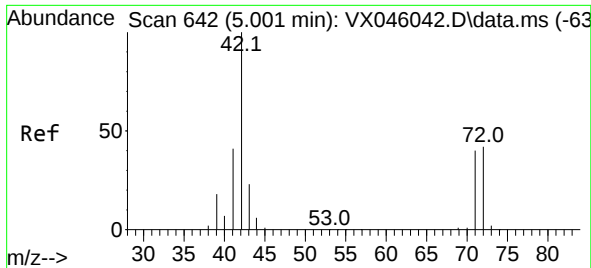
Tgt Ion: 63 Resp: 1512
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.8#
100 0.0 2.1 6.3#



#27
cis-1,2-Dichloroethene
Concen: 51.801 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.000 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

Tgt Ion: 96 Resp: 91409
Ion Ratio Lower Upper
96 100
61 135.6 0.0 322.8
98 64.6 0.0 129.0

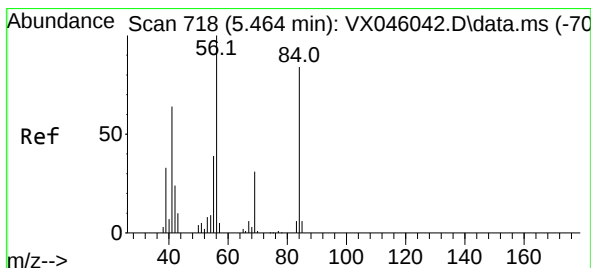
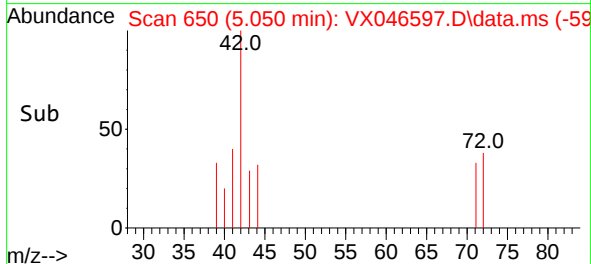
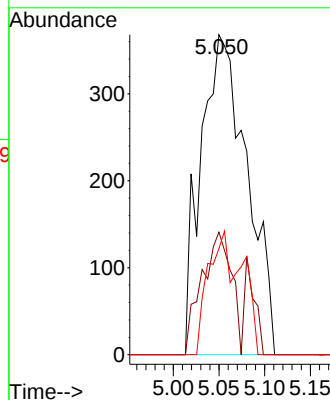
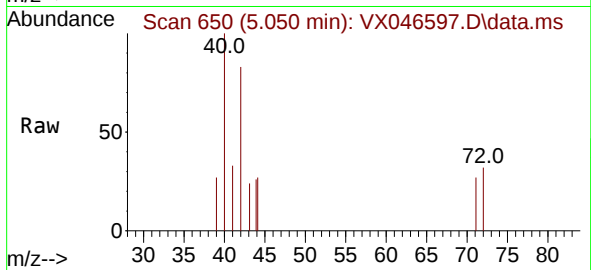




#29
Tetrahydrofuran
Concen: 1.808 ug/l
RT: 5.050 min Scan# 61
Delta R.T. 0.031 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

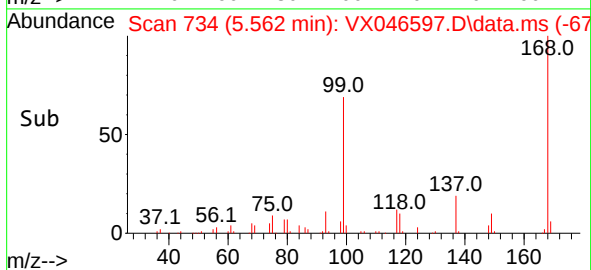
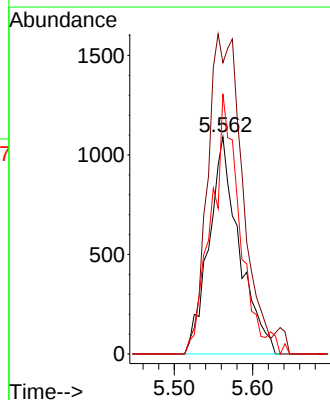
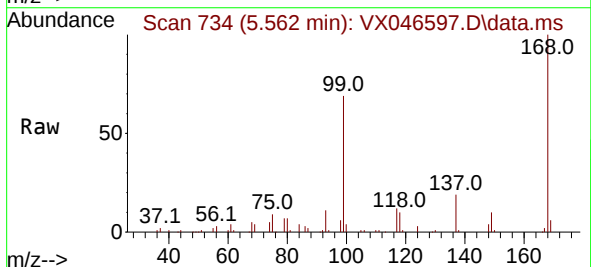
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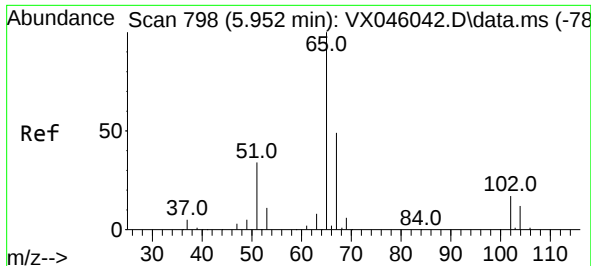
Tgt Ion: 42 Resp: 1290
Ion Ratio Lower Upper
42 100
72 24.7 33.7 50.5#
71 20.2 31.4 47.2#



#31
Cyclohexane
Concen: 1.238 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.073 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

Tgt Ion: 56 Resp: 2921
Ion Ratio Lower Upper
56 100
69 134.1 24.4 36.6#
84 119.8 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 49.177 ug/l

RT: 5.964 min Scan# 80

Delta R.T. -0.006 min

Lab File: VX046597.D

Acq: 10 Jun 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

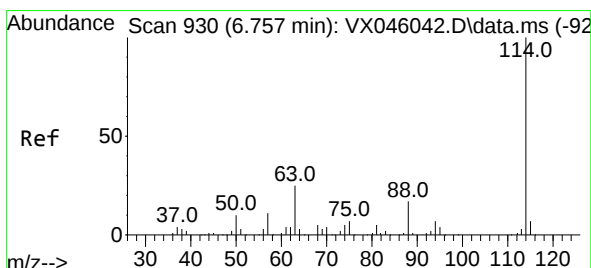
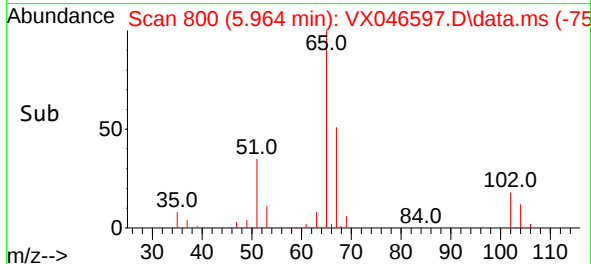
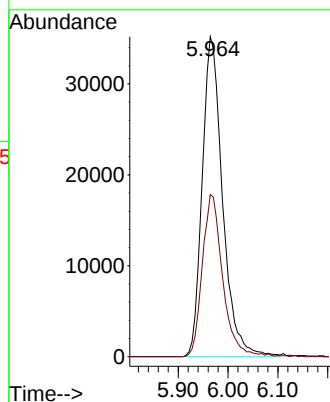
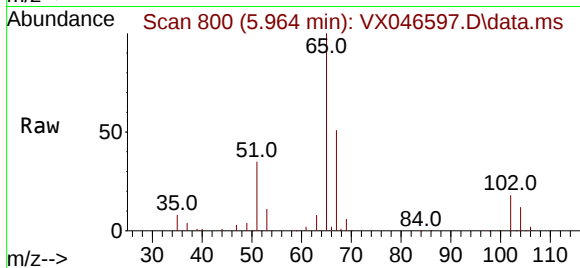
MW-18B-56-060425-FDDL

Tgt Ion: 65 Resp: 99818

Ion Ratio Lower Upper

65 100

67 50.6 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.006 min

Lab File: VX046597.D

Acq: 10 Jun 2025 13:13

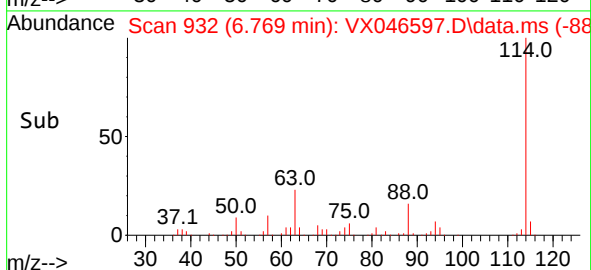
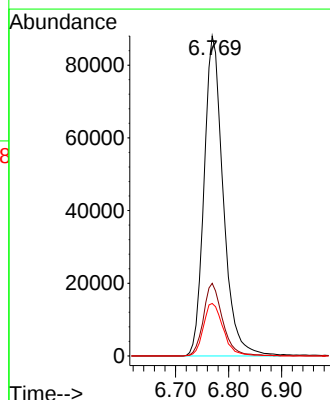
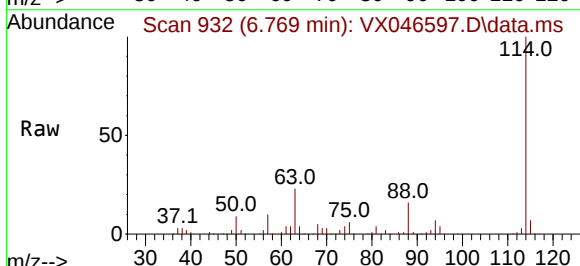
Tgt Ion: 114 Resp: 221007

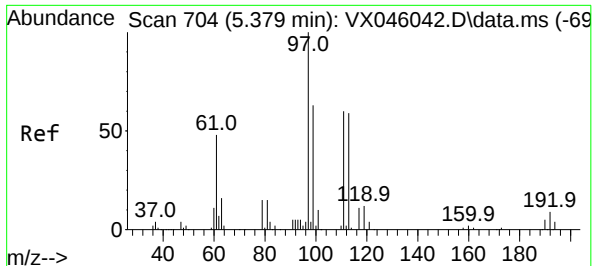
Ion Ratio Lower Upper

114 100

63 22.7 0.0 49.2

88 16.4 0.0 33.6

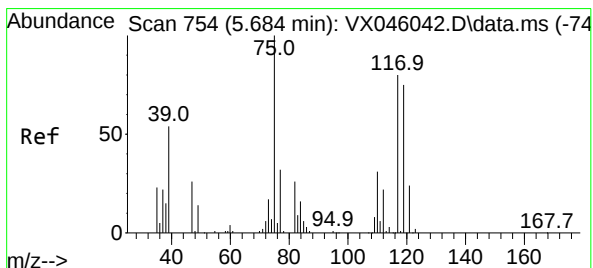
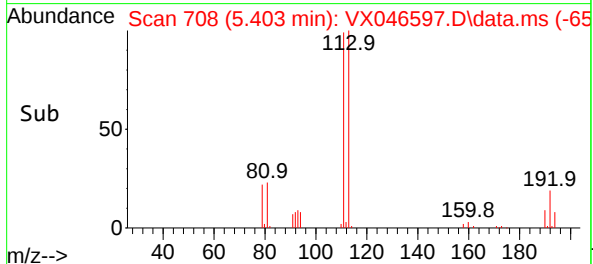
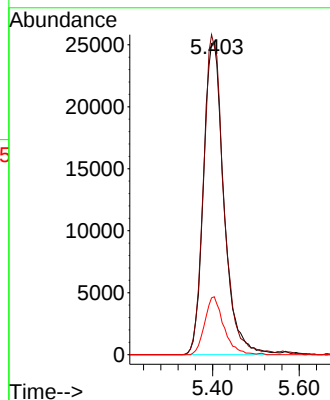
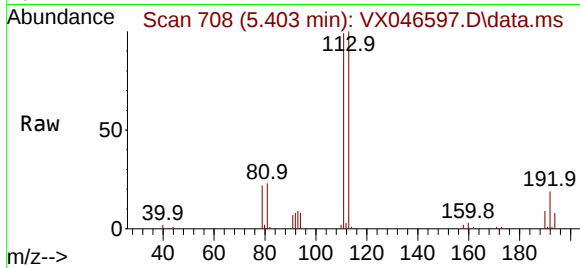




#35
Dibromofluoromethane
Concen: 50.873 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

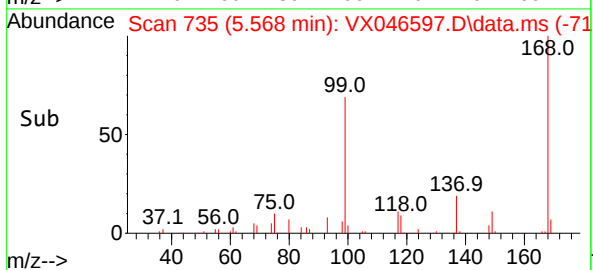
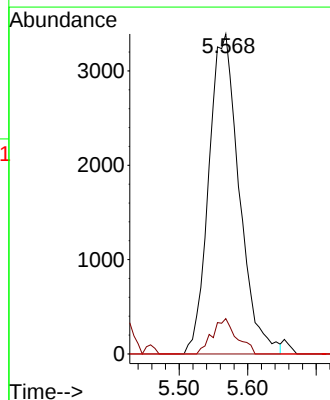
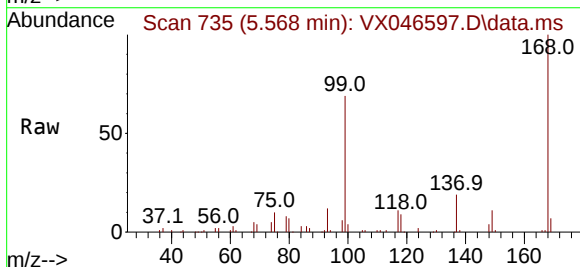
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425-FDDL

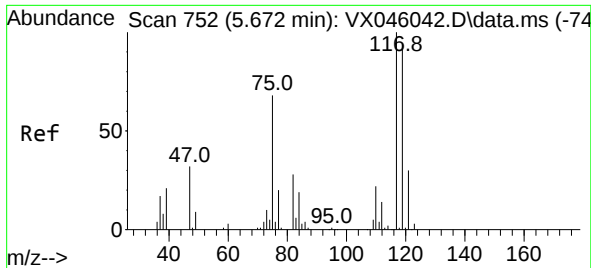
Tgt Ion:113 Resp: 82683
Ion Ratio Lower Upper
113 100
111 100.9 83.1 124.7
192 17.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.506 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

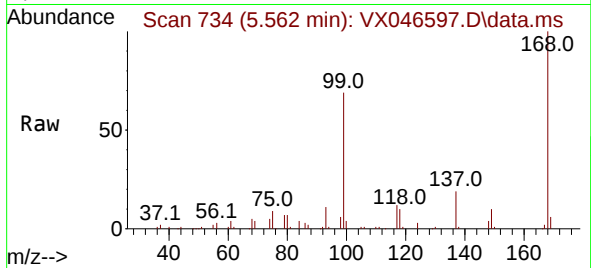
Tgt Ion: 75 Resp: 10462
Ion Ratio Lower Upper
75 100
110 8.8 16.3 48.9#
77 0.0 24.3 36.5#



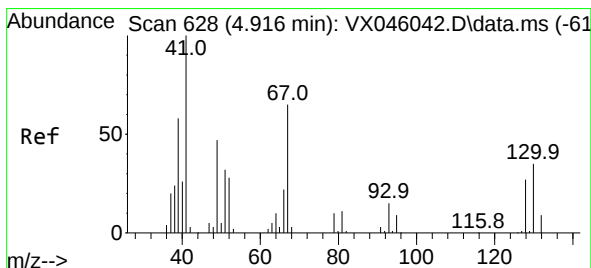
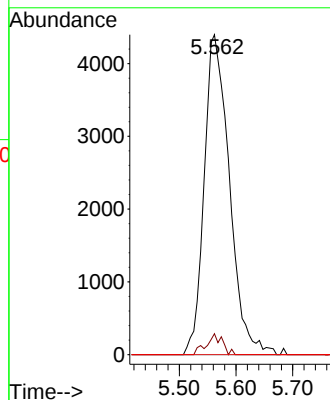
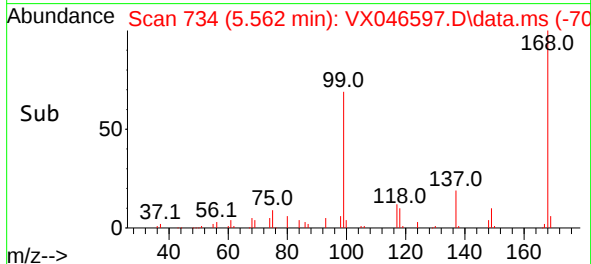


#38
Carbon Tetrachloride
Concen: 5.234 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

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

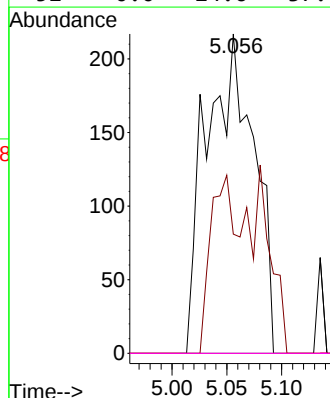
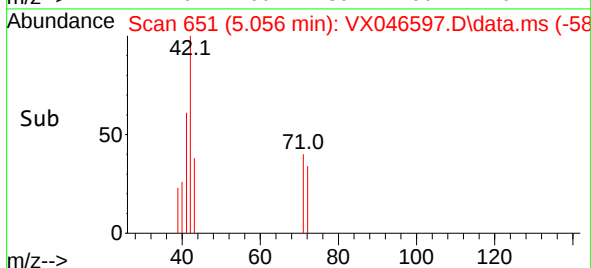
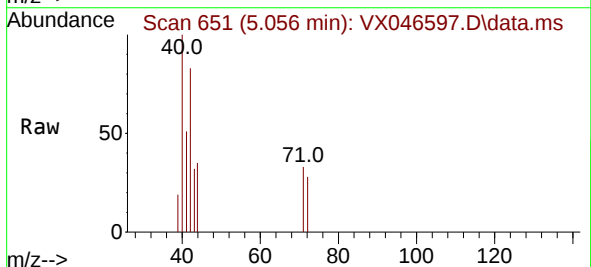


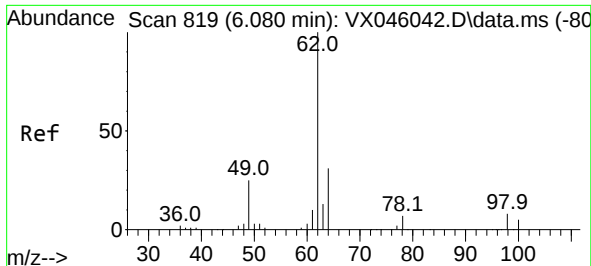
Tgt Ion:117 Resp: 13610
Ion Ratio Lower Upper
117 100
119 6.6 75.2 112.8#
121 0.0 24.2 36.4#



#41
Methacrylonitrile
Concen: 0.464 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.122 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

Tgt Ion: 41 Resp: 653
Ion Ratio Lower Upper
41 100
39 30.8 47.2 70.8#
67 0.0 50.7 76.1#
52 0.0 24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.235 ug/l

RT: 6.111 min Scan# 819

Delta R.T. 0.013 min

Lab File: VX046597.D

Acq: 10 Jun 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

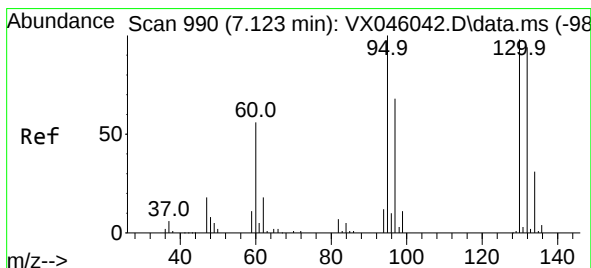
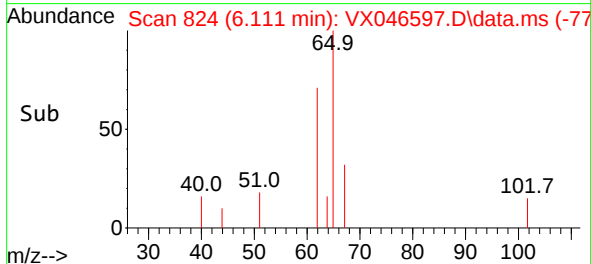
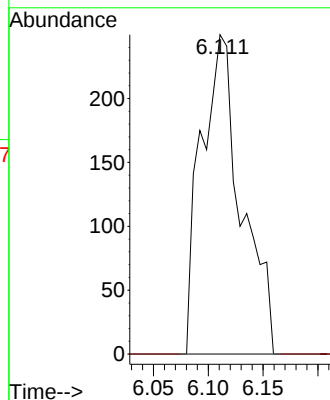
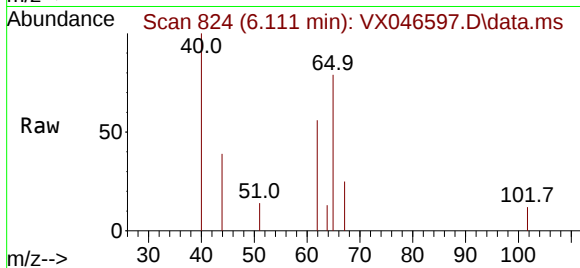
MW-18B-56-060425-FDDL

Tgt Ion: 62 Resp: 640

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.2



#44

Trichloroethene

Concen: 7.619 ug/l

RT: 7.141 min Scan# 993

Delta R.T. 0.006 min

Lab File: VX046597.D

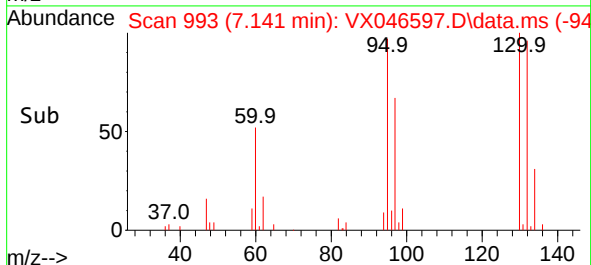
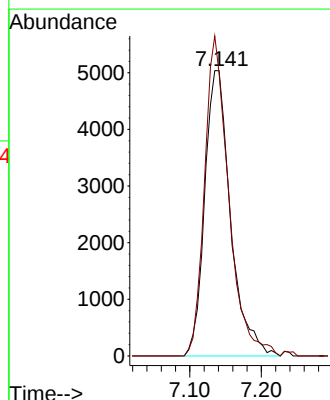
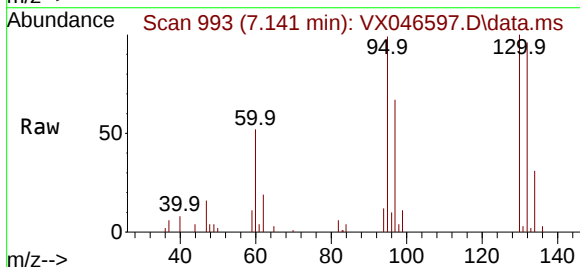
Acq: 10 Jun 2025 13:13

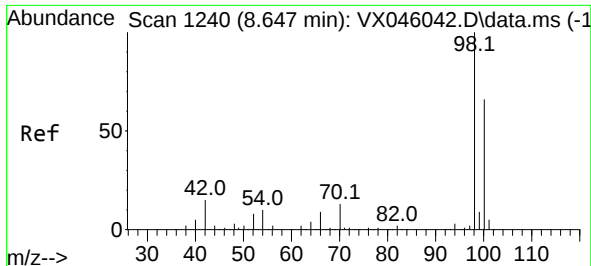
Tgt Ion:130 Resp: 12652

Ion Ratio Lower Upper

130 100

95 99.1 0.0 204.2

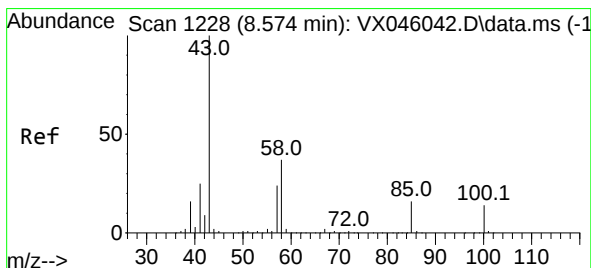
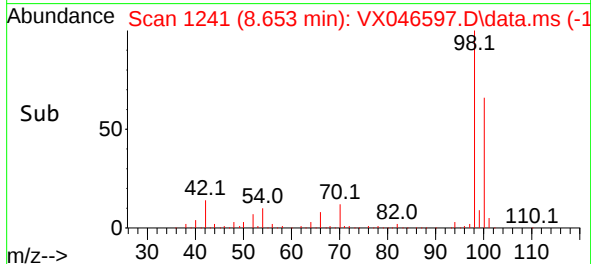
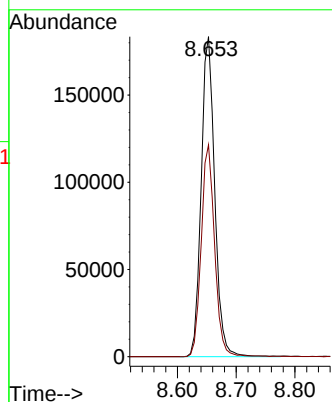
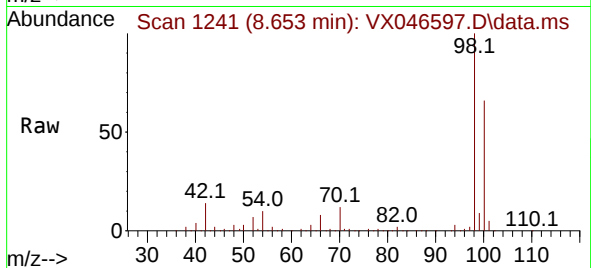




#50
Toluene-d8
Concen: 54.831 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

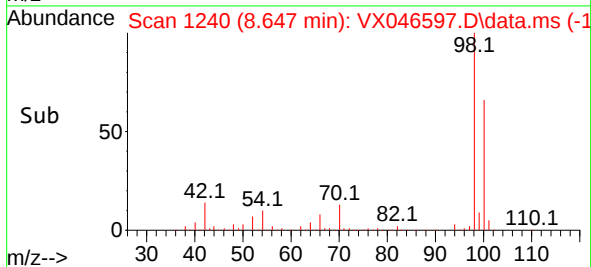
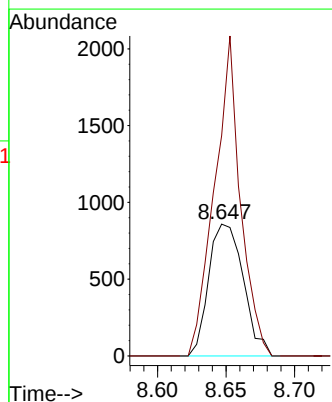
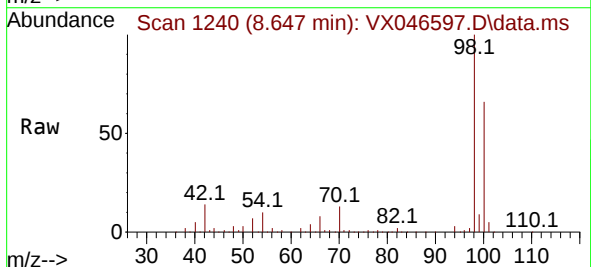
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425-FDDL

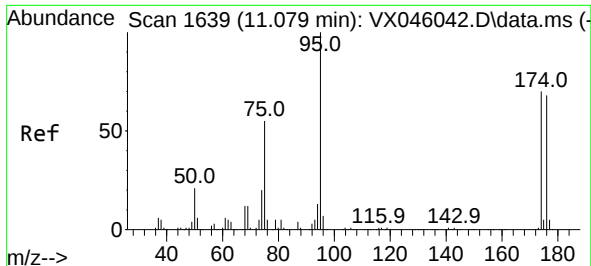
Tgt Ion: 98 Resp: 293804
Ion Ratio Lower Upper
98 100
100 65.6 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.602 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.074 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

Tgt Ion: 43 Resp: 1511
Ion Ratio Lower Upper
43 100
58 181.5 28.9 43.3#

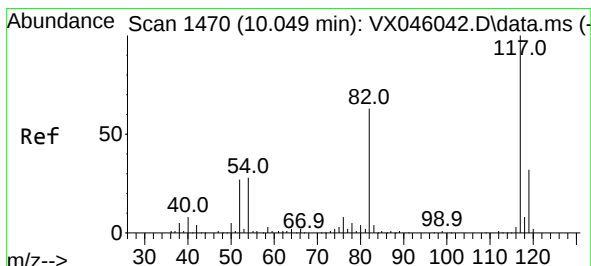
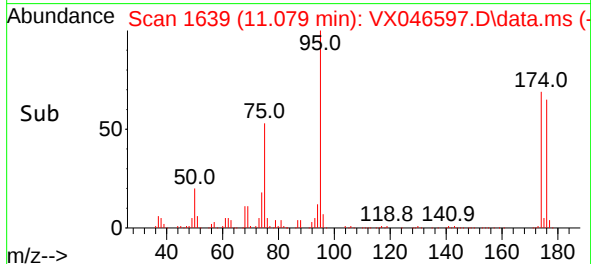
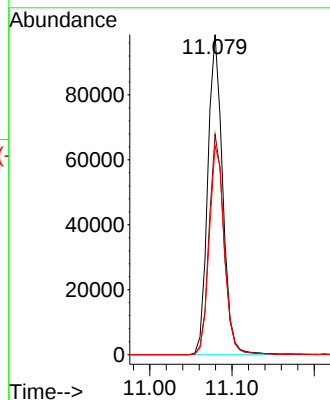
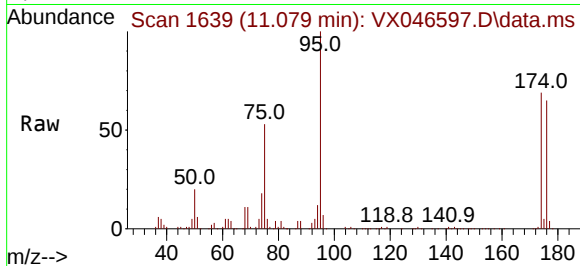




#62
4-Bromofluorobenzene
Concen: 55.775 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

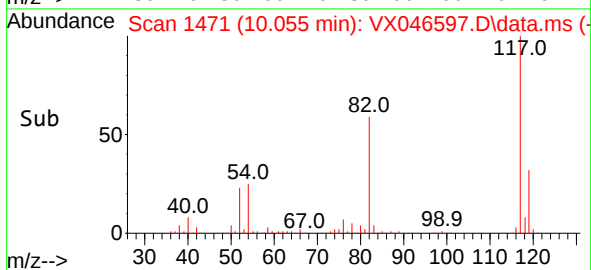
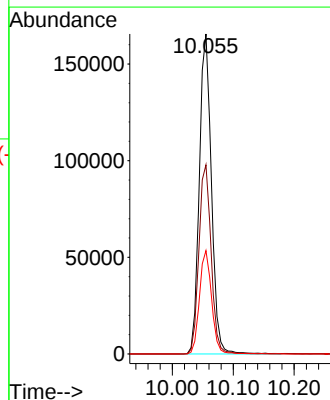
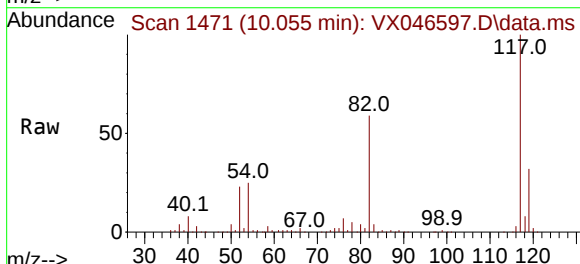
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425-FDDL

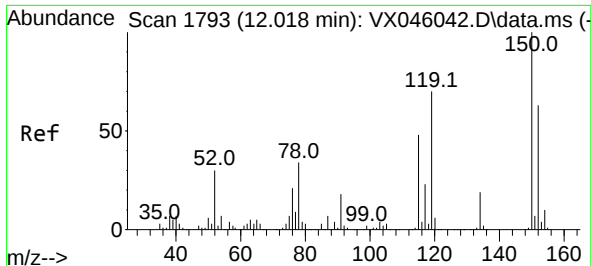
Tgt Ion: 95 Resp: 123653
Ion Ratio Lower Upper
95 100
174 68.8 0.0 135.8
176 66.4 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

Tgt Ion: 117 Resp: 228335
Ion Ratio Lower Upper
117 100
82 59.1 50.6 76.0
119 32.3 25.8 38.6

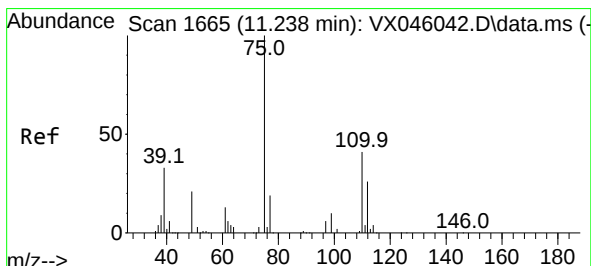
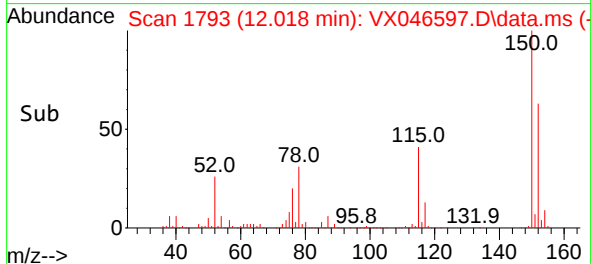
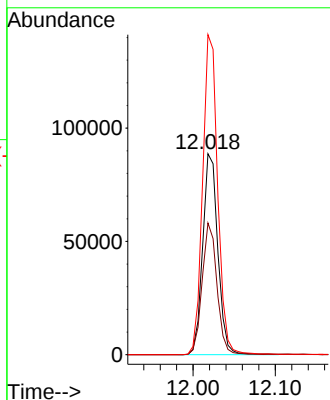
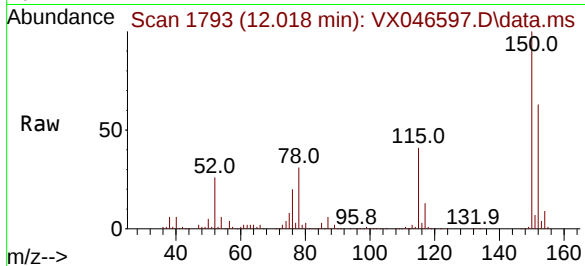




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX046597.D
 Acq: 10 Jun 2025 13:13

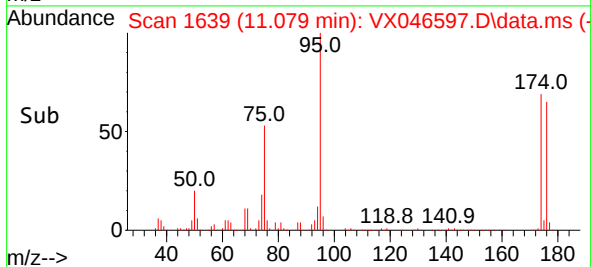
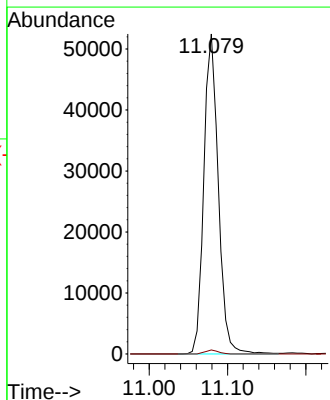
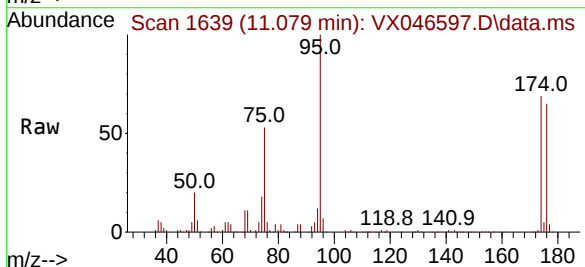
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-56-060425-FDDL

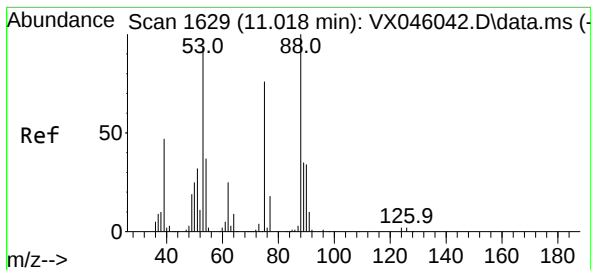
Tgt Ion:152 Resp: 113693
 Ion Ratio Lower Upper
 152 100
 115 64.1 46.9 140.7
 150 158.7 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 27.863 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046597.D
 Acq: 10 Jun 2025 13:13

Tgt Ion: 75 Resp: 67099
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.375 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046597.D
 Acq: 10 Jun 2025 13:13

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

Tgt Ion: 75 Resp: 67099
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

