

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046608.D
 Acq On : 10 Jun 2025 17:07
 Operator : JC/MD
 Sample : Q2233-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Jun 11 01:51:58 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)

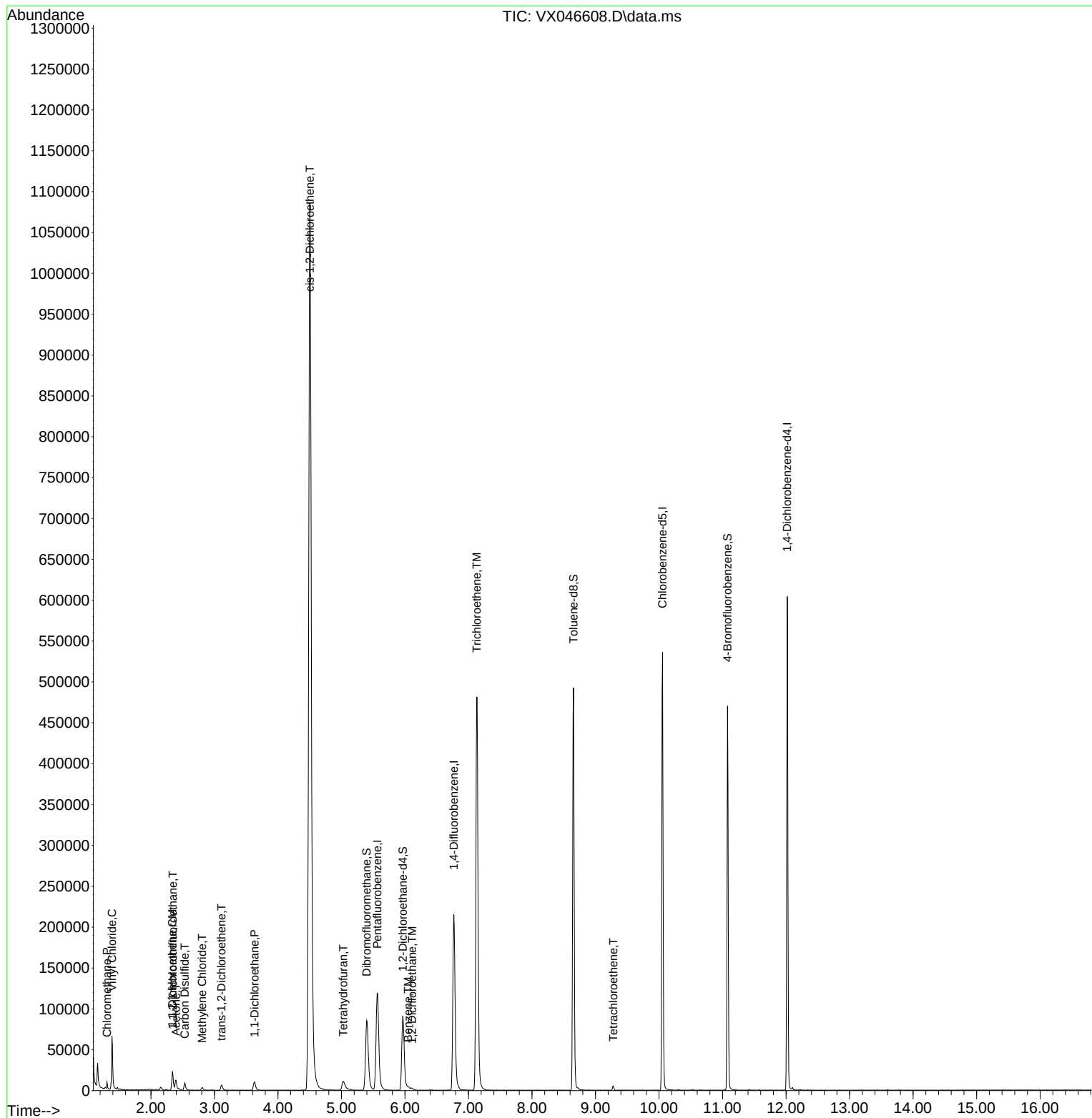
Internal Standards						
1) Pentafluorobenzene	5.562	168	112905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	222507	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	116937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	97279	48.429	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.860%
35) Dibromofluoromethane	5.397	113	80294	49.070	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.140%
50) Toluene-d8	8.653	98	291744	54.080	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.160%
62) 4-Bromofluorobenzene	11.079	95	124809	55.917	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	111.840%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	4970	3.483	ug/l	100
4) Vinyl Chloride	1.386	62	44919	31.583	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	1112	0.750	ug/l	98
12) 1,1-Dichloroethene	2.337	96	7556	5.637	ug/l	93
16) Acetone	2.392	43	15268	23.595	ug/l	94
17) Carbon Disulfide	2.532	76	9593	3.559	ug/l	97
20) Methylene Chloride	2.806	84	1536	0.953	ug/l	94
21) trans-1,2-Dichloroethene	3.111	96	2911	2.052	ug/l	90
24) 1,1-Dichloroethane	3.629	63	13107	4.531	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	722609	413.793	ug/l	86
29) Tetrahydrofuran	5.025	42	13100	18.550	ug/l	96
40) Benzene	6.050	78	3567	0.542	ug/l #	90
42) 1,2-Dichloroethane	6.111	62	2891	1.056	ug/l	94
44) Trichloroethene	7.129	130	190281	113.812	ug/l	96
64) Tetrachloroethene	9.281	164	1016	0.661	ug/l	97

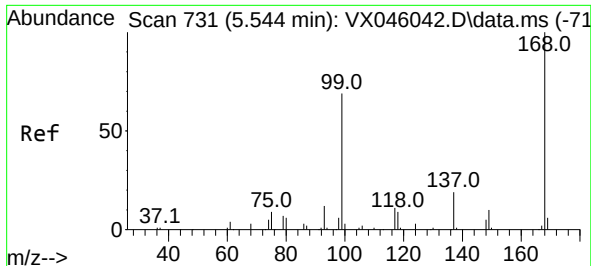
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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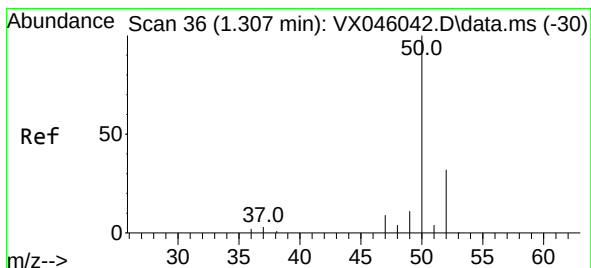
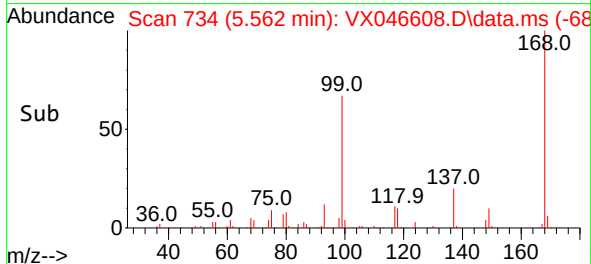
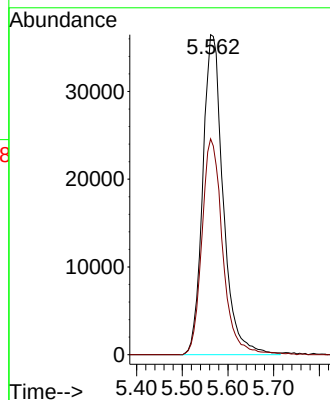
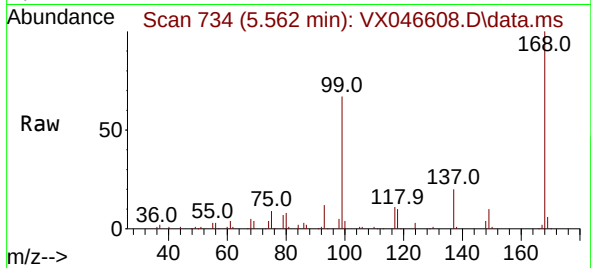




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046608.D
Acq: 10 Jun 2025 17:07

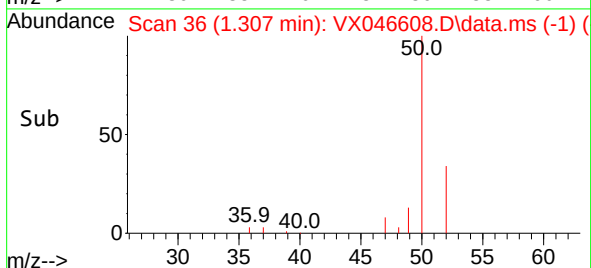
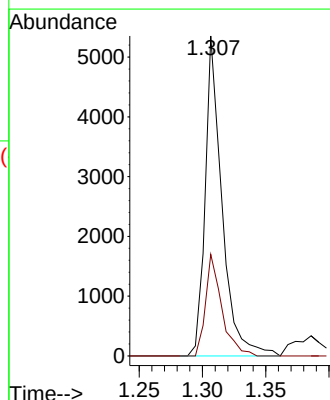
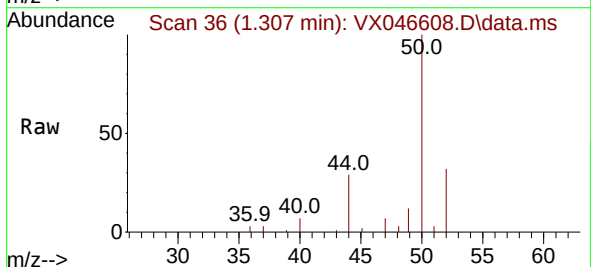
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425

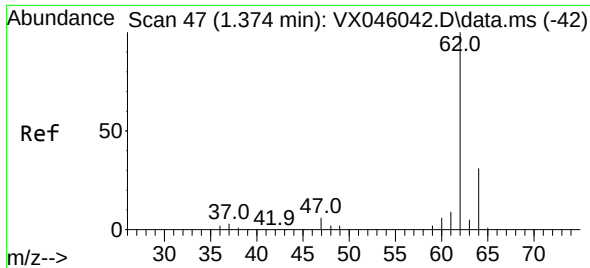
Tgt Ion:168 Resp: 112905
Ion Ratio Lower Upper
168 100
99 67.5 54.9 82.3



#3
Chloromethane
Concen: 3.483 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046608.D
Acq: 10 Jun 2025 17:07

Tgt Ion: 50 Resp: 4970
Ion Ratio Lower Upper
50 100
52 31.8 25.4 38.2

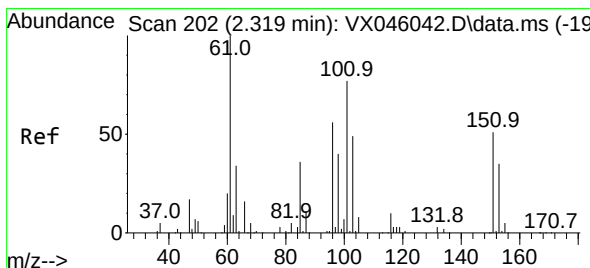
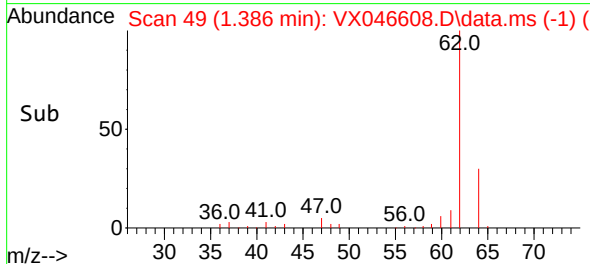
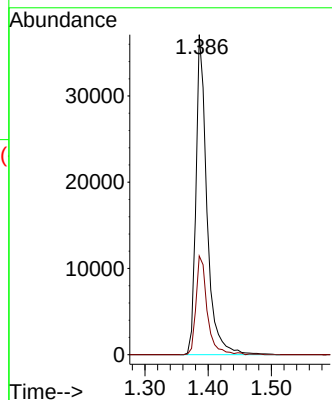
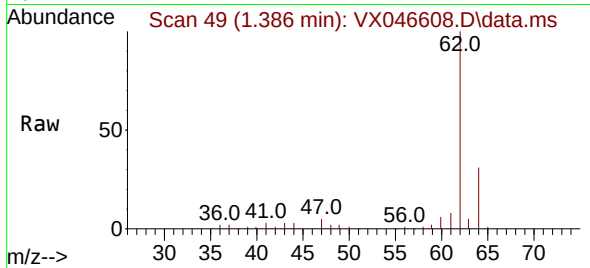




#4
 Vinyl Chloride
 Concen: 31.583 ug/l
 RT: 1.386 min Scan# 49
 Delta R.T. -0.000 min
 Lab File: VX046608.D
 Acq: 10 Jun 2025 17:07

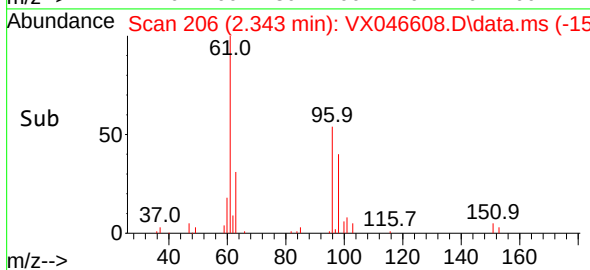
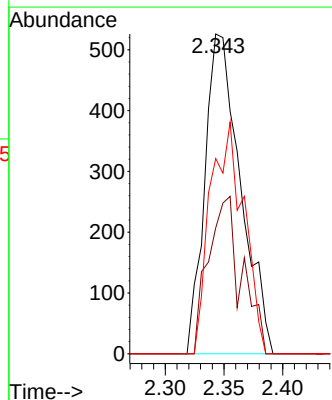
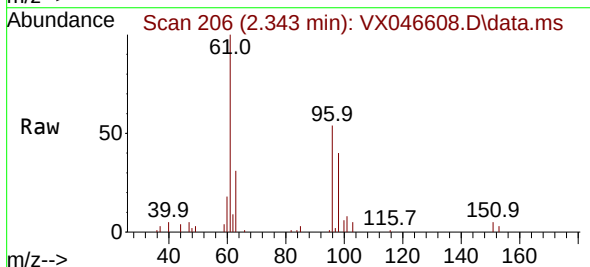
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-56-060425

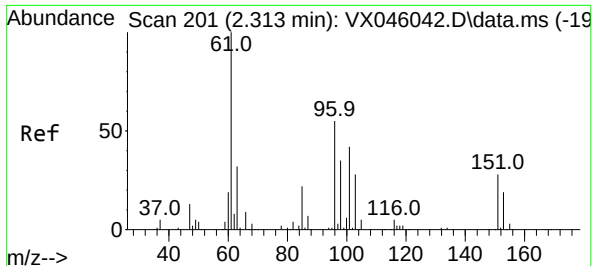
Tgt Ion: 62 Resp: 44919
 Ion Ratio Lower Upper
 62 100
 64 30.9 25.2 37.8



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.750 ug/l
 RT: 2.343 min Scan# 206
 Delta R.T. -0.006 min
 Lab File: VX046608.D
 Acq: 10 Jun 2025 17:07

Tgt Ion: 101 Resp: 1112
 Ion Ratio Lower Upper
 101 100
 85 45.9 38.6 58.0
 151 67.9 55.2 82.8





#12

1,1-Dichloroethene

Concen: 5.637 ug/l

RT: 2.337 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425

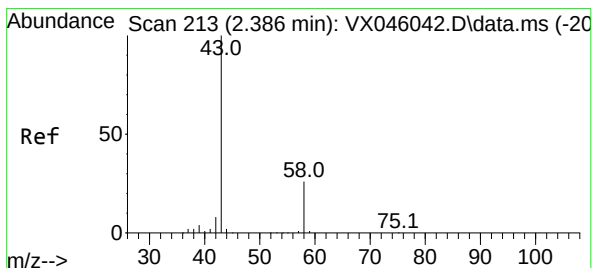
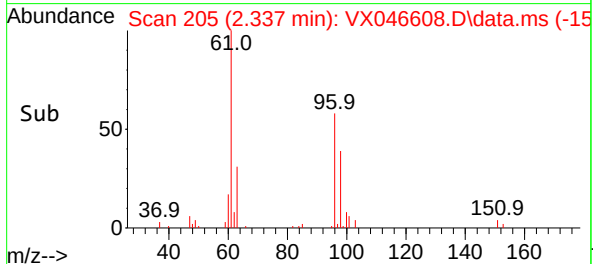
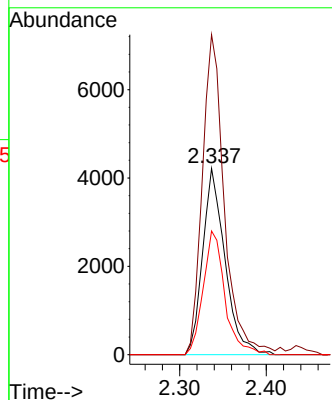
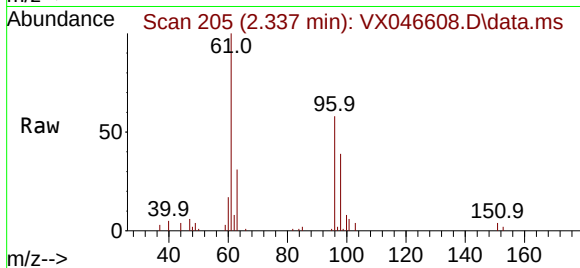
Tgt Ion: 96 Resp: 7556

Ion Ratio Lower Upper

96 100

61 171.7 146.2 219.2

98 66.4 51.0 76.6



#16

Acetone

Concen: 23.595 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX046608.D

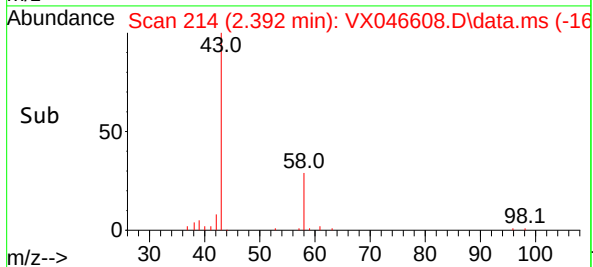
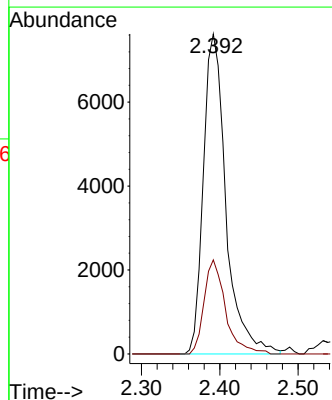
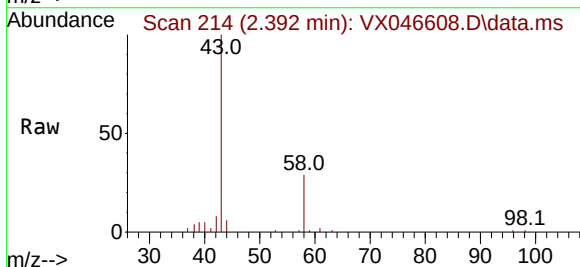
Acq: 10 Jun 2025 17:07

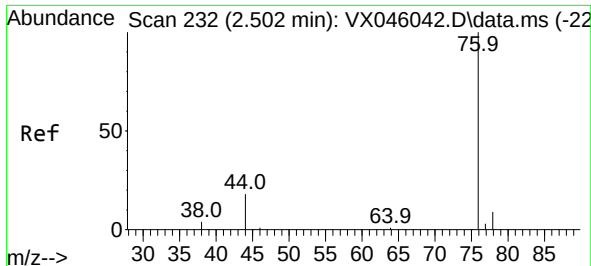
Tgt Ion: 43 Resp: 15268

Ion Ratio Lower Upper

43 100

58 29.4 21.2 31.8

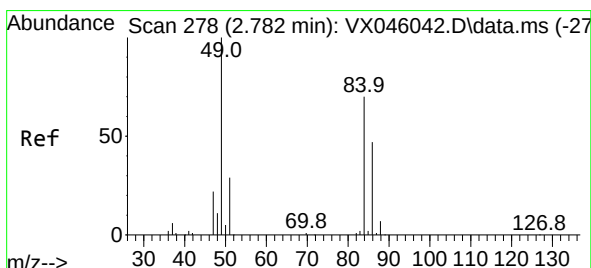
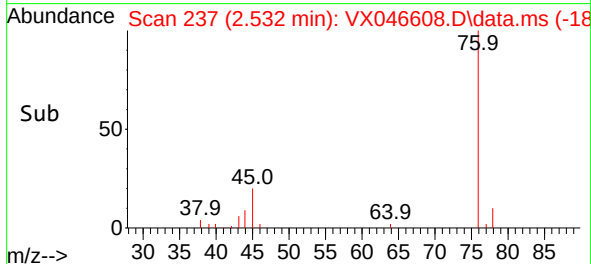
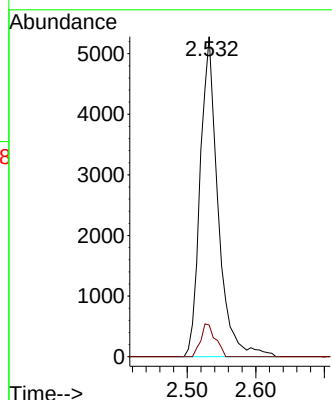
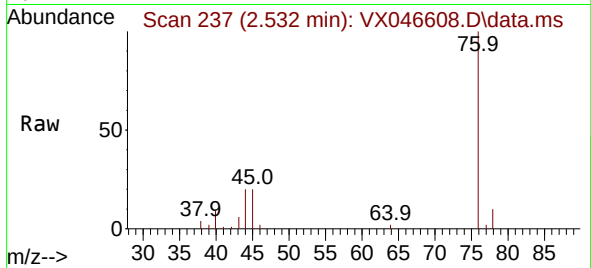




#17
Carbon Disulfide
Concen: 3.559 ug/l
RT: 2.532 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046608.D
Acq: 10 Jun 2025 17:07

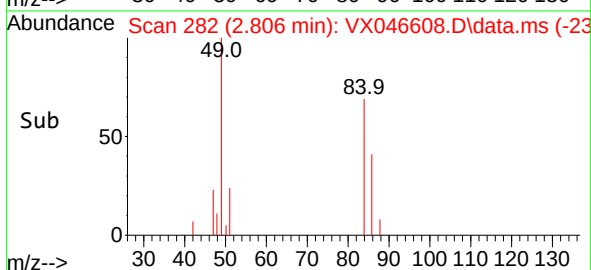
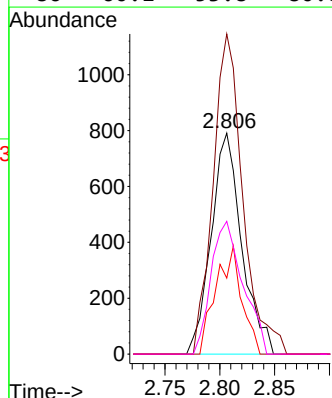
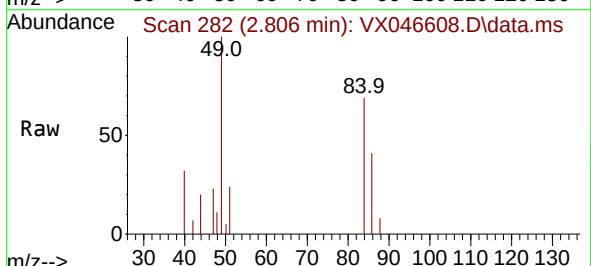
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425

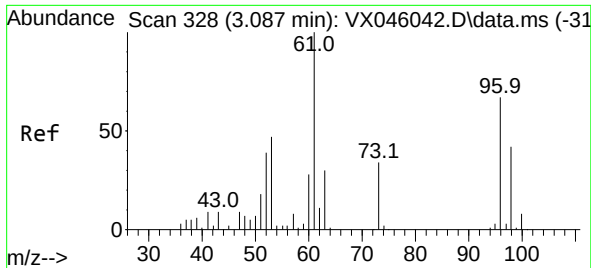
Tgt Ion: 76 Resp: 9593
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.4



#20
Methylene Chloride
Concen: 0.953 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046608.D
Acq: 10 Jun 2025 17:07

Tgt Ion: 84 Resp: 1536
Ion Ratio Lower Upper
84 100
49 144.9 113.9 170.9
51 34.4 33.5 50.3
86 60.1 53.8 80.8

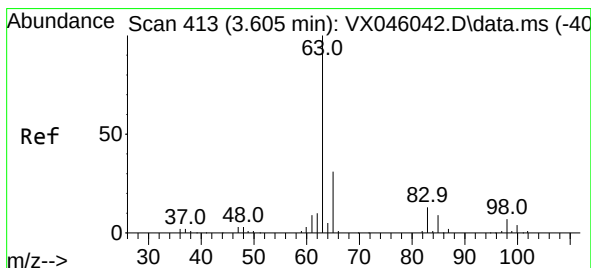
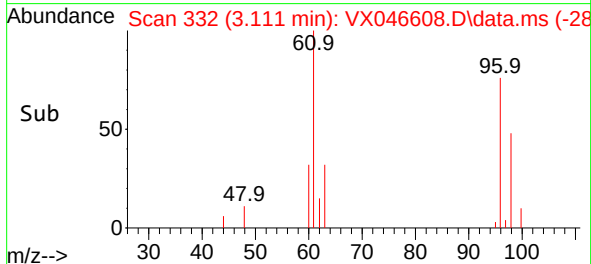
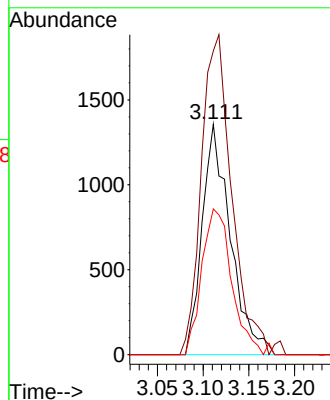
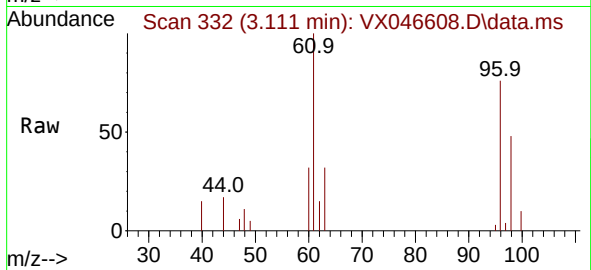




#21
trans-1,2-Dichloroethene
Concen: 2.052 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX046608.D
Acq: 10 Jun 2025 17:07

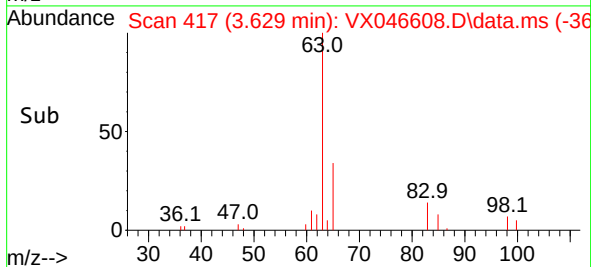
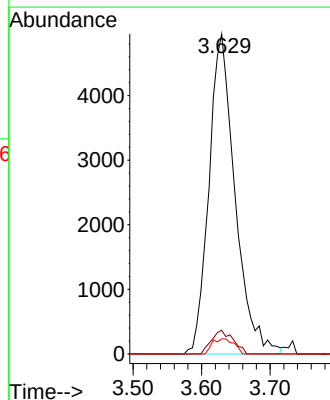
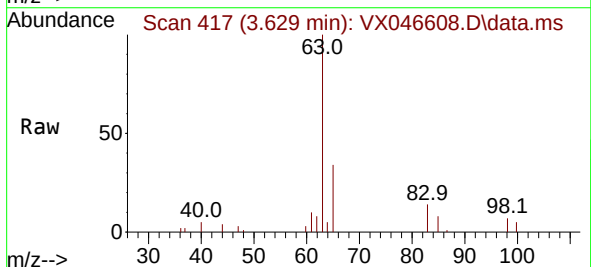
Instrument :
MSVOA_X
ClientSampleId :
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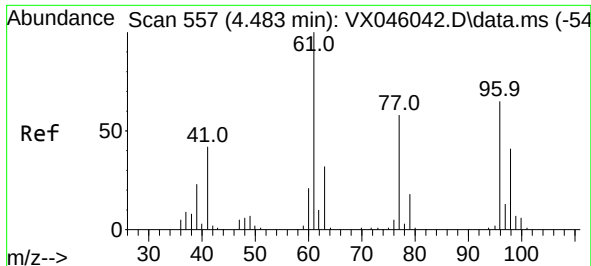
Tgt Ion: 96 Resp: 2911
Ion Ratio Lower Upper
96 100
61 131.9 119.5 179.3
98 63.3 50.0 75.0



#24
1,1-Dichloroethane
Concen: 4.531 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.000 min
Lab File: VX046608.D
Acq: 10 Jun 2025 17:07

Tgt Ion: 63 Resp: 13107
Ion Ratio Lower Upper
63 100
98 7.4 3.6 10.8
100 4.7 2.1 6.3





#27

cis-1,2-Dichloroethene

Concen: 413.793 ug/l

RT: 4.501 min Scan# 50

Delta R.T. -0.006 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425

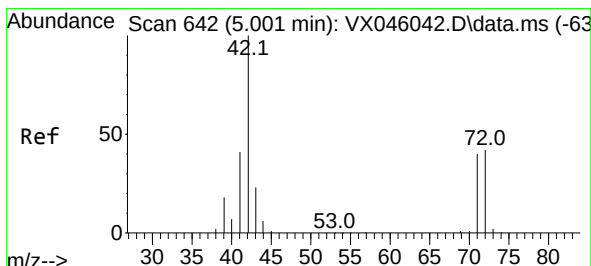
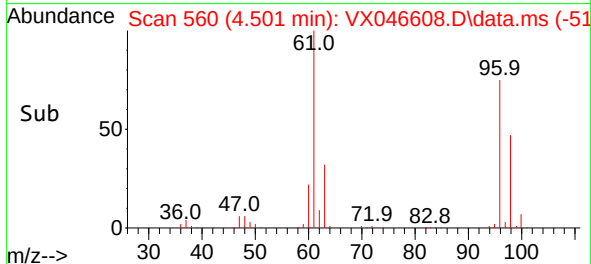
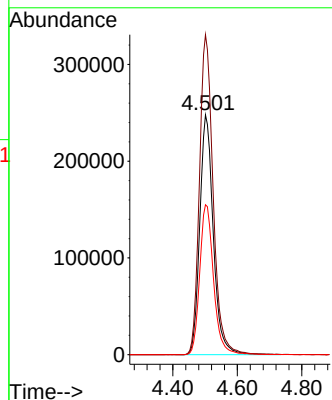
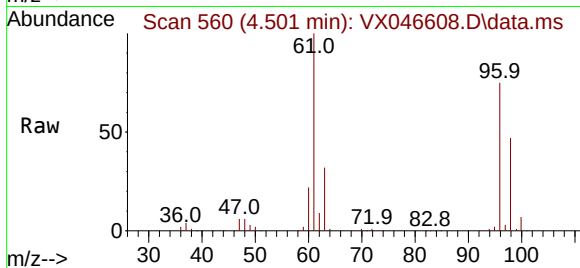
Tgt Ion: 96 Resp: 722609

Ion Ratio Lower Upper

96 100

61 135.0 0.0 322.8

98 64.1 0.0 129.0



#29

Tetrahydrofuran

Concen: 18.550 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.006 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

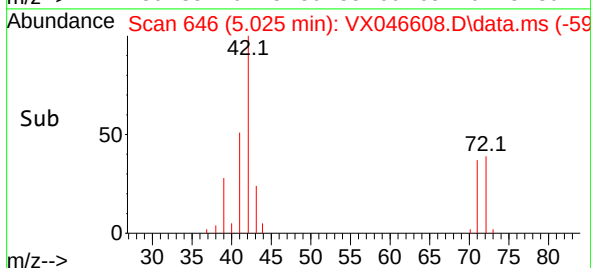
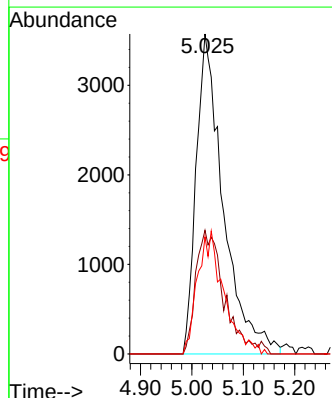
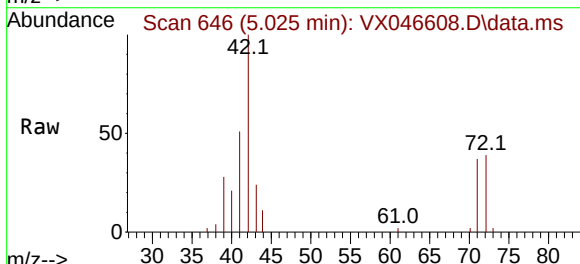
Tgt Ion: 42 Resp: 13100

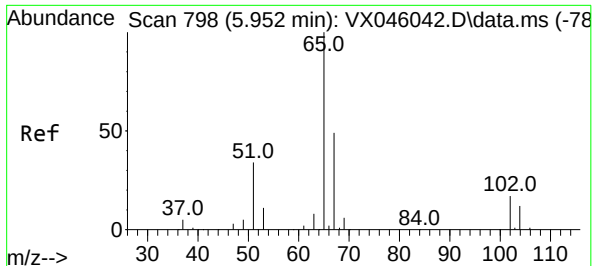
Ion Ratio Lower Upper

42 100

72 39.7 33.7 50.5

71 37.3 31.4 47.2

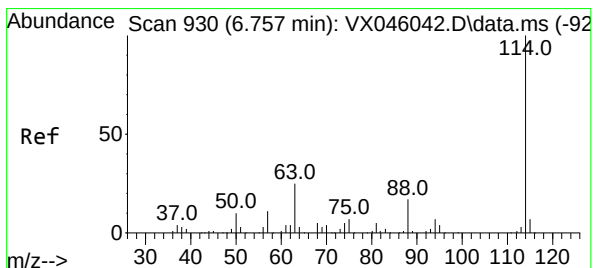
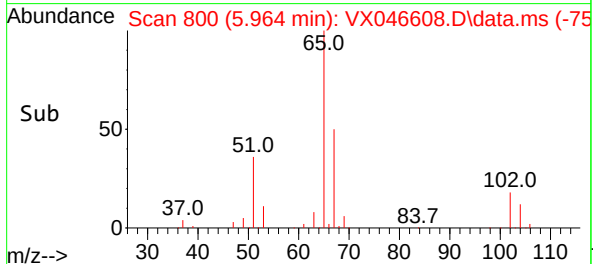
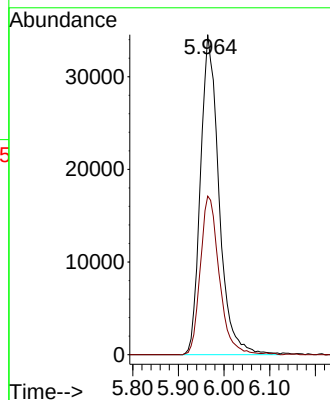
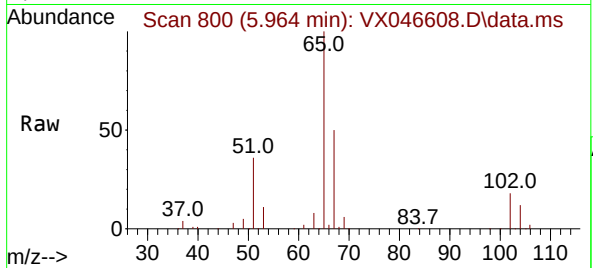




#33
 1,2-Dichloroethane-d4
 Concen: 48.429 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: VX046608.D
 Acq: 10 Jun 2025 17:07

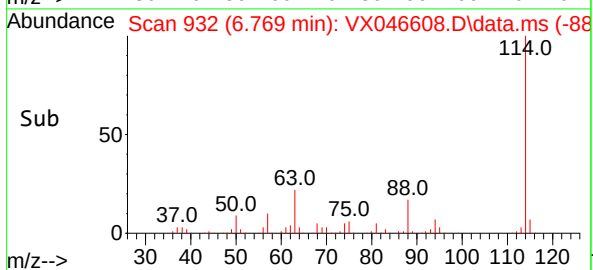
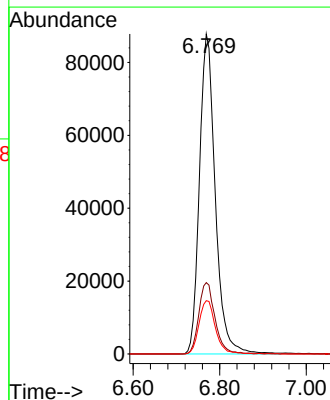
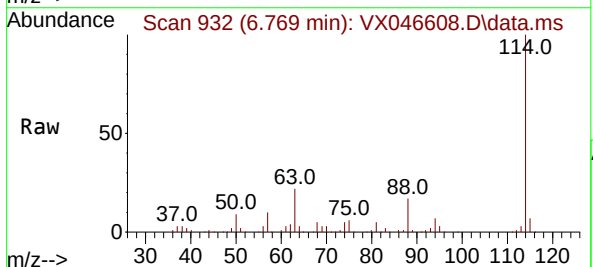
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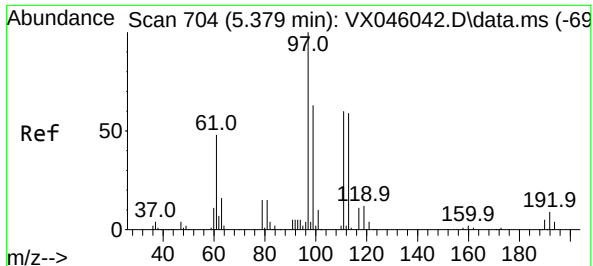
Tgt Ion: 65 Resp: 97279
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.006 min
 Lab File: VX046608.D
 Acq: 10 Jun 2025 17:07

Tgt Ion: 114 Resp: 222507
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 49.2
 88 16.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 49.070 ug/l

RT: 5.397 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX046608.D

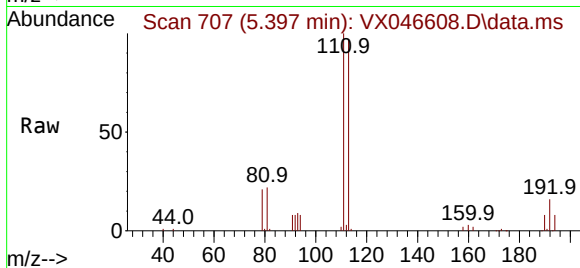
Acq: 10 Jun 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425



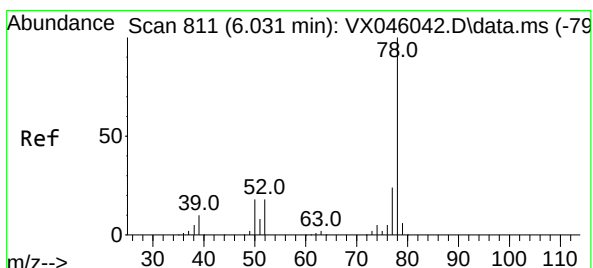
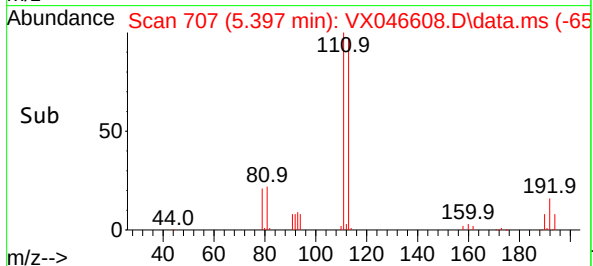
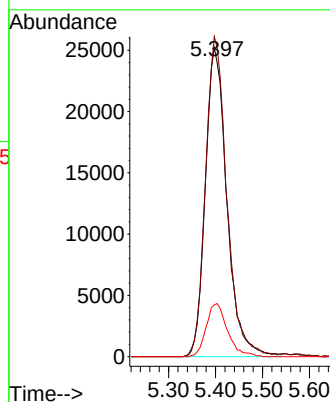
Tgt Ion:113 Resp: 80294

Ion Ratio Lower Upper

113 100

111 102.5 83.1 124.7

192 17.0 13.3 19.9



#40

Benzene

Concen: 0.542 ug/l

RT: 6.050 min Scan# 814

Delta R.T. -0.006 min

Lab File: VX046608.D

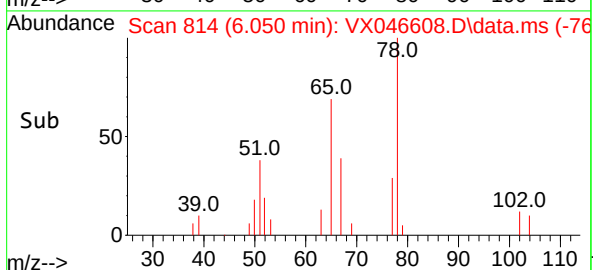
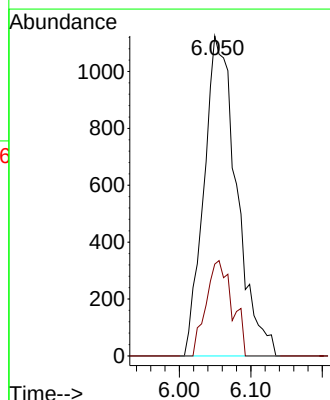
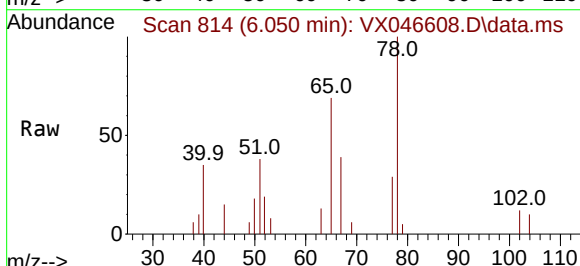
Acq: 10 Jun 2025 17:07

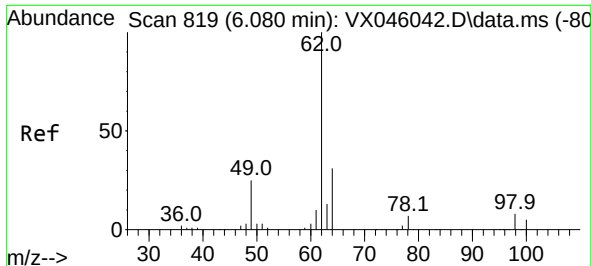
Tgt Ion: 78 Resp: 3567

Ion Ratio Lower Upper

78 100

77 28.7 19.0 28.4#





#42

1,2-Dichloroethane

Concen: 1.056 ug/l

RT: 6.111 min Scan# 819

Delta R.T. 0.013 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

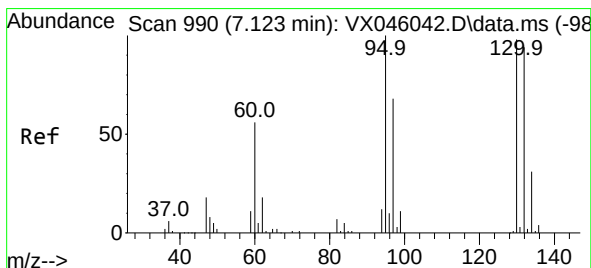
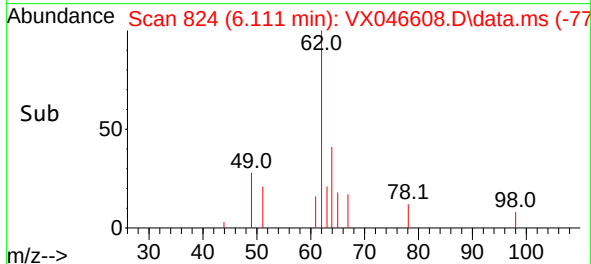
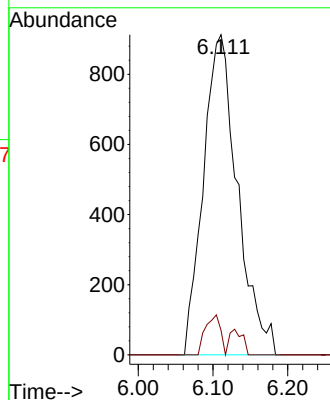
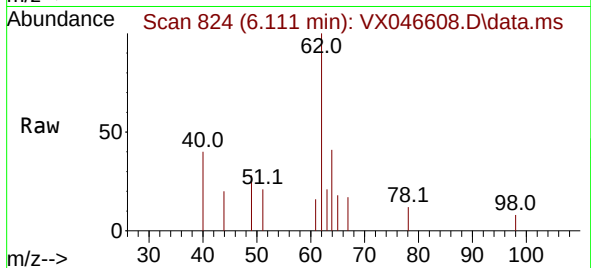
MW-18B-56-060425

Tgt Ion: 62 Resp: 2891

Ion Ratio Lower Upper

62 100

98 5.5 0.0 15.2



#44

Trichloroethene

Concen: 113.812 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.006 min

Lab File: VX046608.D

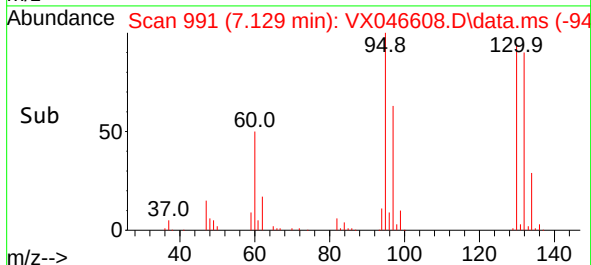
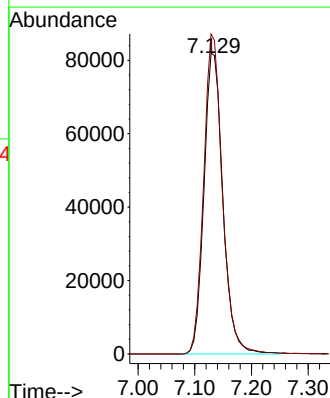
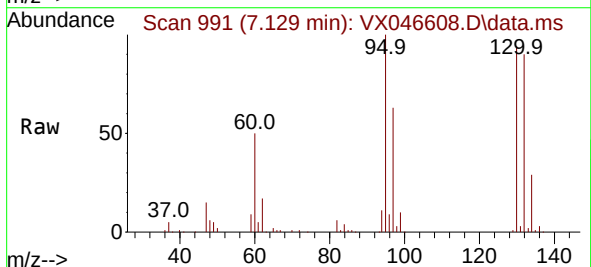
Acq: 10 Jun 2025 17:07

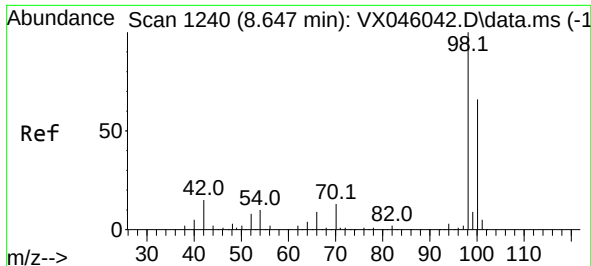
Tgt Ion:130 Resp: 190281

Ion Ratio Lower Upper

130 100

95 106.5 0.0 204.2

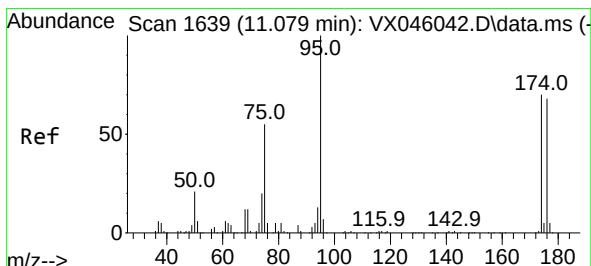
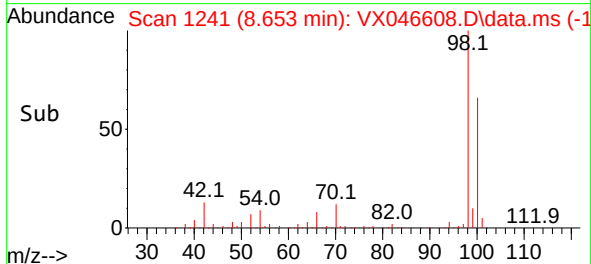
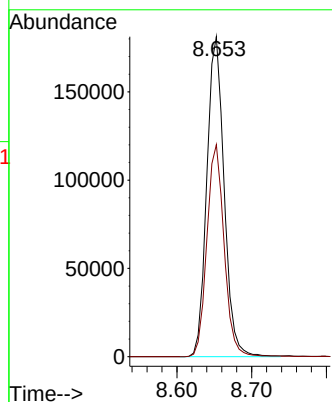
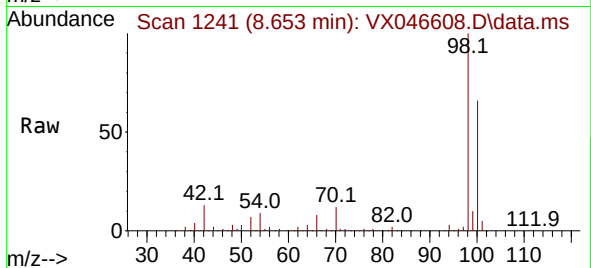




#50
Toluene-d8
Concen: 54.080 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046608.D
Acq: 10 Jun 2025 17:07

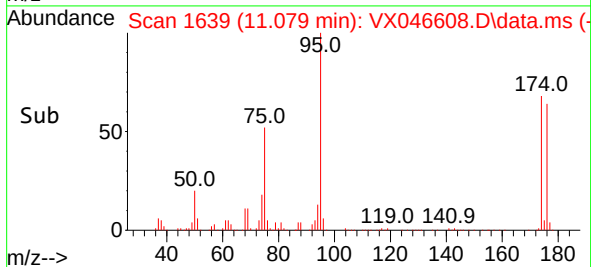
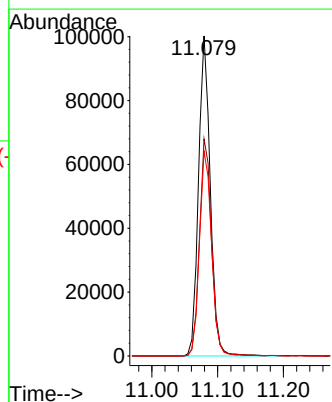
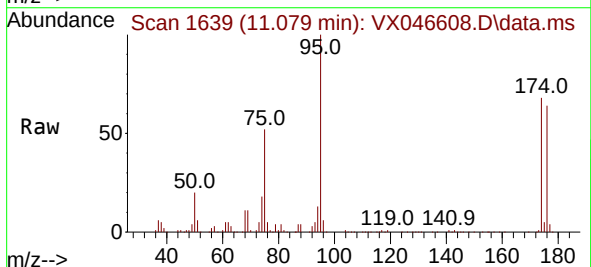
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425

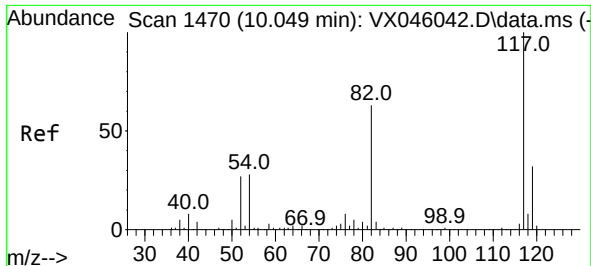
Tgt Ion: 98 Resp: 291744
Ion Ratio Lower Upper
98 100
100 66.0 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 55.917 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046608.D
Acq: 10 Jun 2025 17:07

Tgt Ion: 95 Resp: 124809
Ion Ratio Lower Upper
95 100
174 69.3 0.0 135.8
176 66.2 0.0 131.4

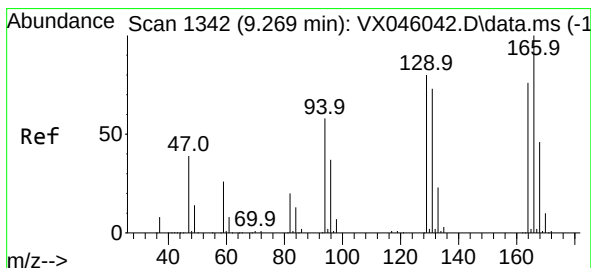
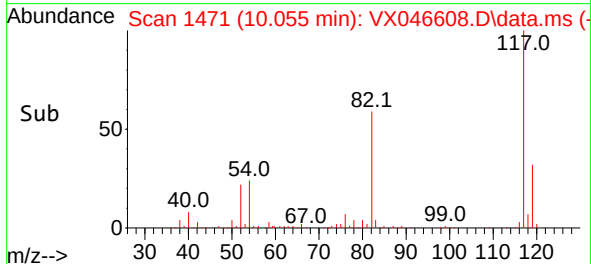
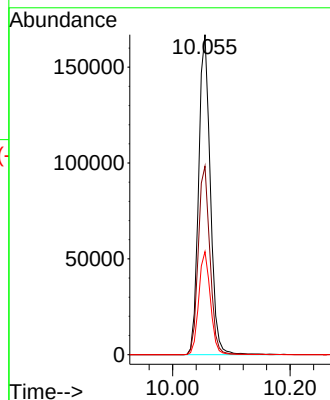
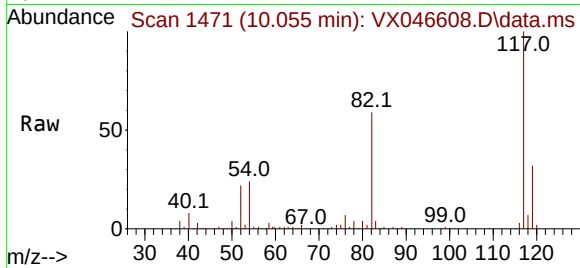




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046608.D
Acq: 10 Jun 2025 17:07

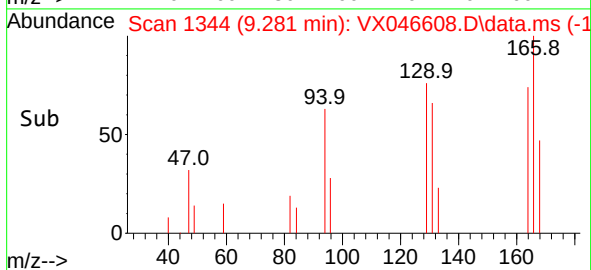
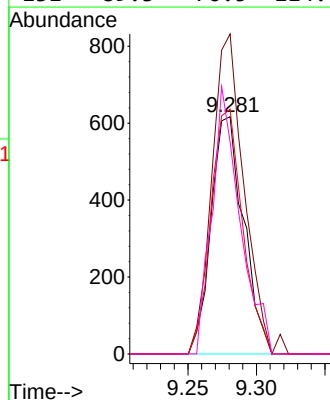
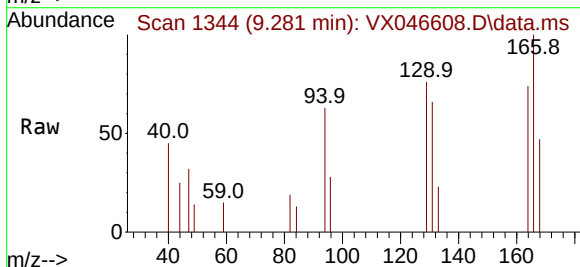
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425

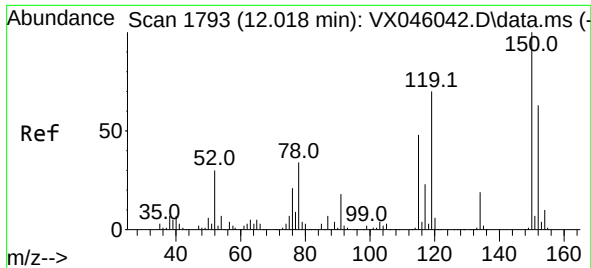
Tgt Ion:117 Resp: 229917
Ion Ratio Lower Upper
117 100
82 58.9 50.6 76.0
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 0.661 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX046608.D
Acq: 10 Jun 2025 17:07

Tgt Ion:164 Resp: 1016
Ion Ratio Lower Upper
164 100
166 134.8 105.0 157.6
129 103.1 83.5 125.3
131 89.3 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX046608.D

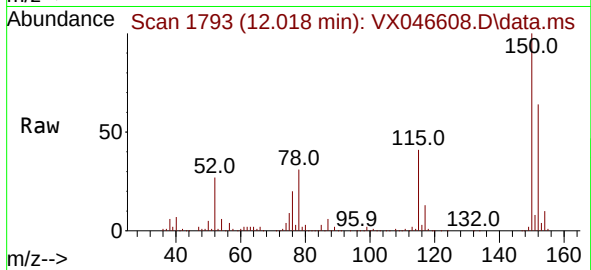
Acq: 10 Jun 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425



Tgt Ion:152 Resp: 116937

Ion Ratio Lower Upper

152 100

115 63.2 46.9 140.7

150 156.3 0.0 351.0

