

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
 Data File : VX046644.D
 Acq On : 11 Jun 2025 17:53
 Operator : JC/MD
 Sample : Q2249-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-06-6.5-060525

Quant Time: Jun 12 02:34:39 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)

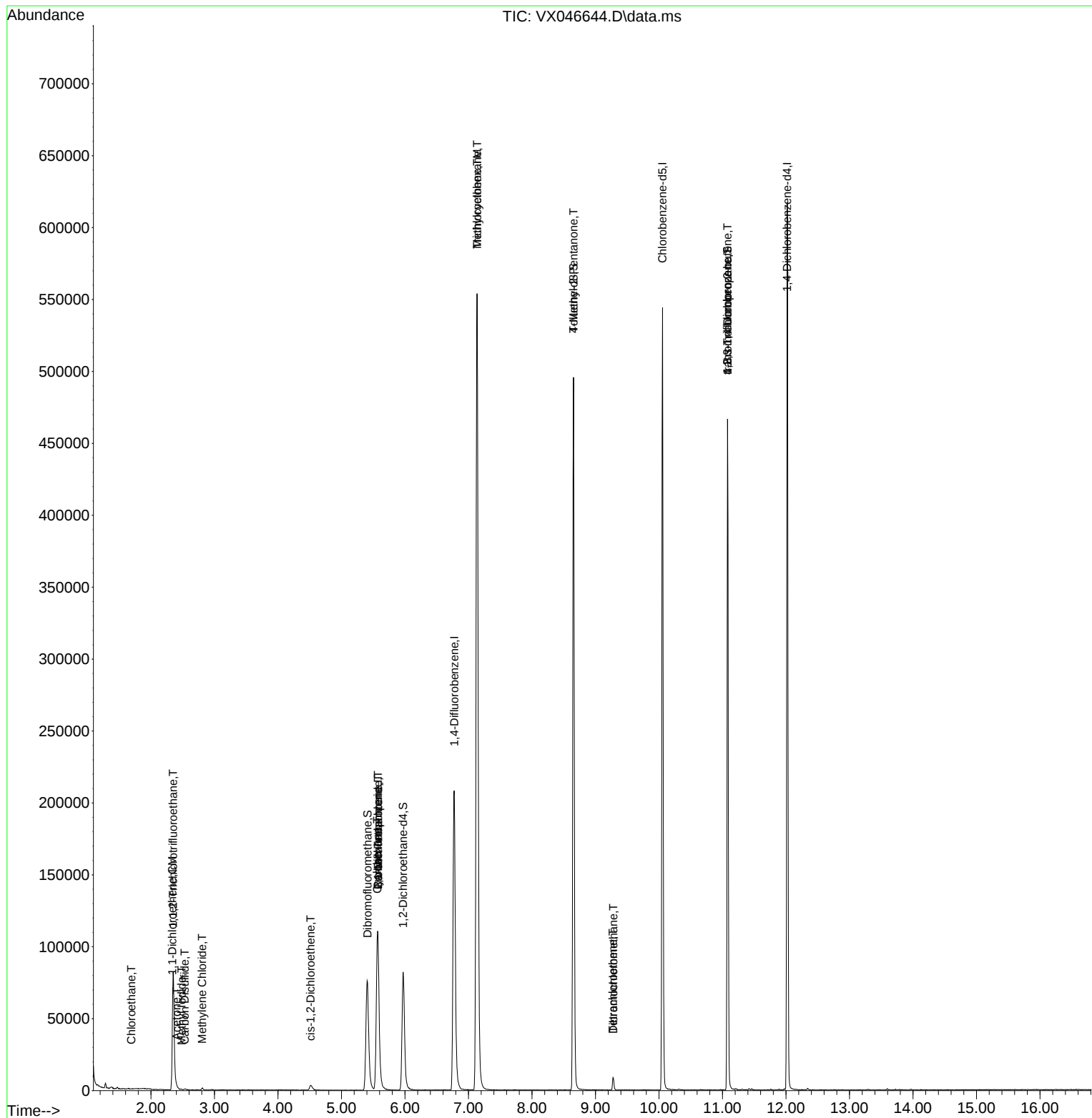
Internal Standards						
1) Pentafluorobenzene	5.574	168	113972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	227958	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	124632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	86239	42.531	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.060%
35) Dibromofluoromethane	5.410	113	71170	42.454	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	84.900%
50) Toluene-d8	8.653	98	295147	53.402	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.800%
62) 4-Bromofluorobenzene	11.079	95	126952	55.517	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	111.040%
Target Compounds						Qvalue
6) Chloroethane	1.691	64	286	0.307	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.349	101	37948	25.356	ug/l	91
10) Methyl Iodide	2.483	142	553	0.341	ug/l #	88
12) 1,1-Dichloroethene	2.337	96	271	0.200	ug/l #	60
16) Acetone	2.404	43	1133	5.991	ug/l	95
17) Carbon Disulfide	2.532	76	722	0.453	ug/l #	76
20) Methylene Chloride	2.806	84	672	0.413	ug/l #	72
27) cis-1,2-Dichloroethene	4.513	96	2501	1.419	ug/l	84
31) Cyclohexane	5.562	56	2325	0.986	ug/l #	5
36) 1,1-Dichloropropene	5.574	75	9064	3.785	ug/l #	53
38) Carbon Tetrachloride	5.574	117	12038	4.488	ug/l #	17
39) Methylcyclohexane	7.135	83	2626	0.929	ug/l #	1
44) Trichloroethene	7.135	130	227940	133.077	ug/l	98
51) 4-Methyl-2-Pentanone	8.653	43	1316	0.508	ug/l #	1
60) Dibromochloromethane	9.281	129	1752	0.896	ug/l #	10
64) Tetrachloroethene	9.275	164	1879	1.185	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	65313	24.741	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	65313	71.368	ug/l #	1

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

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MW-06-6.5-060525

Quant Time: Jun 12 02:34:39 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

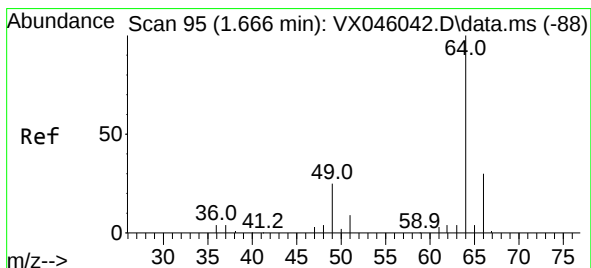
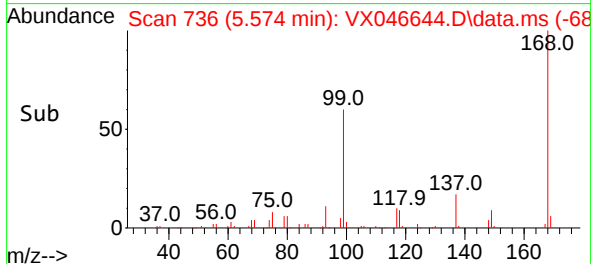
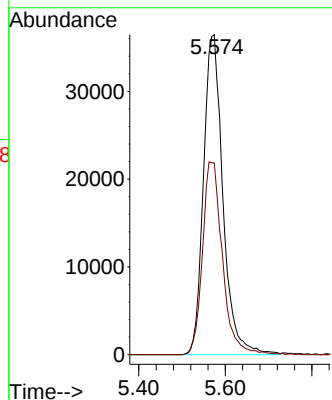
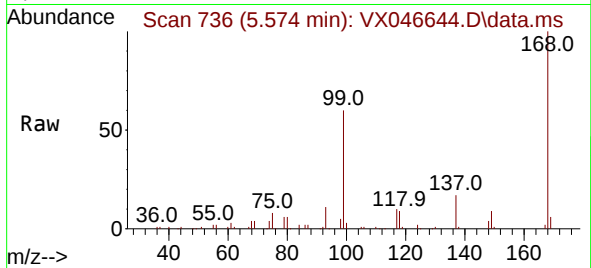




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

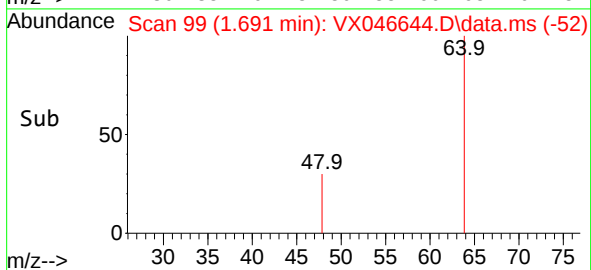
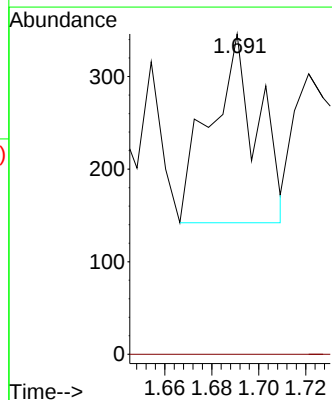
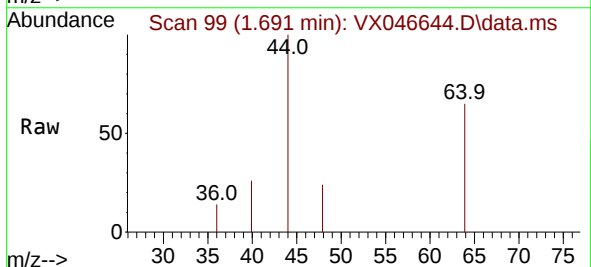
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

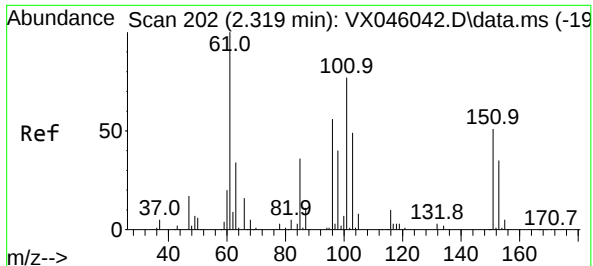
Tgt Ion:168 Resp: 113972
Ion Ratio Lower Upper
168 100
99 60.0 54.9 82.3



#6
Chloroethane
Concen: 0.307 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.012 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Tgt Ion: 64 Resp: 286
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

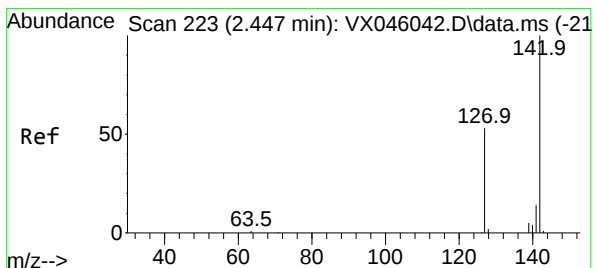
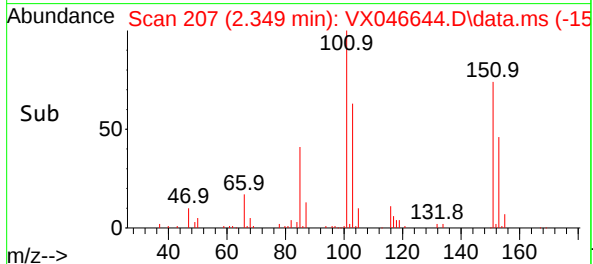
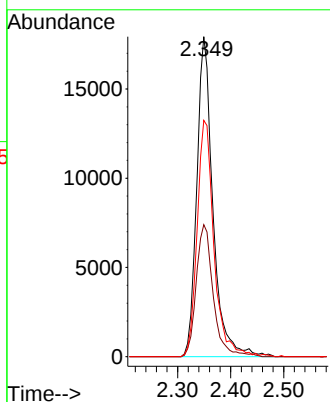
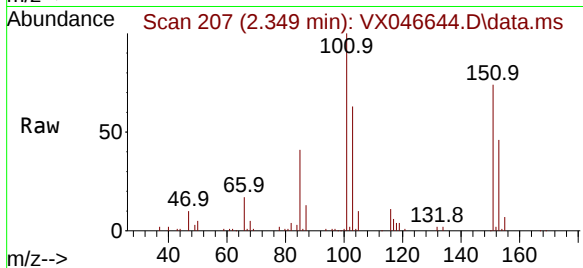




#9
1,1,2-Trichlorotrifluoroethane
Concen: 25.356 ug/l
RT: 2.349 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

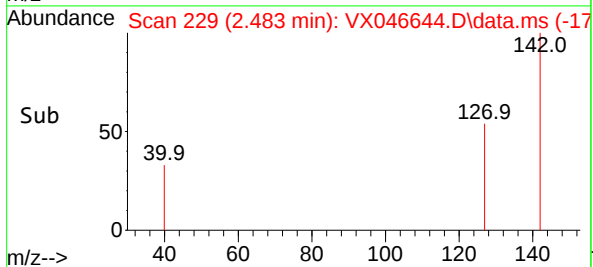
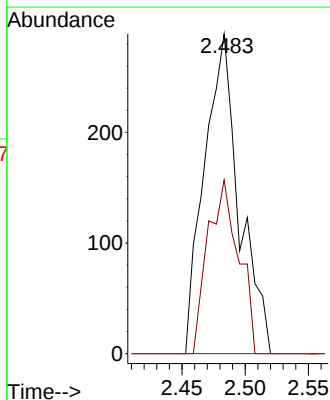
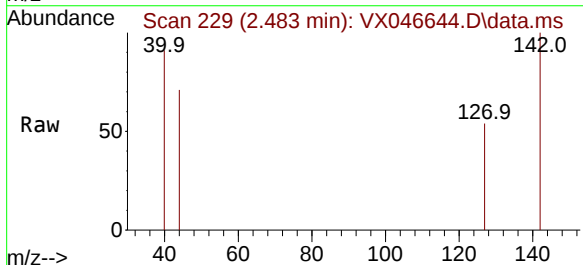
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

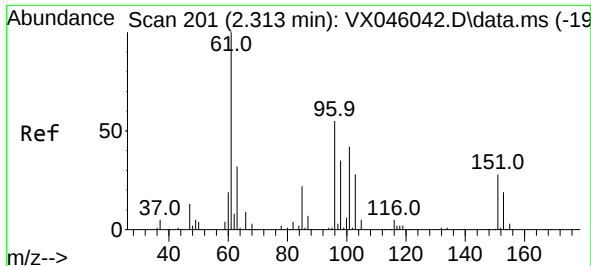
Tgt Ion:101 Resp: 37948
Ion Ratio Lower Upper
101 100
85 43.4 38.6 58.0
151 77.3 55.2 82.8



#10
Methyl Iodide
Concen: 0.341 ug/l
RT: 2.483 min Scan# 229
Delta R.T. 0.012 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Tgt Ion:142 Resp: 553
Ion Ratio Lower Upper
142 100
127 47.9 41.7 62.5
141 0.0 11.5 17.3#





#12

1,1-Dichloroethene

Concen: 0.200 ug/l

RT: 2.337 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX046644.D

Acq: 11 Jun 2025 17:53

Instrument :

MSVOA_X

ClientSampleId :

MW-06-6.5-060525

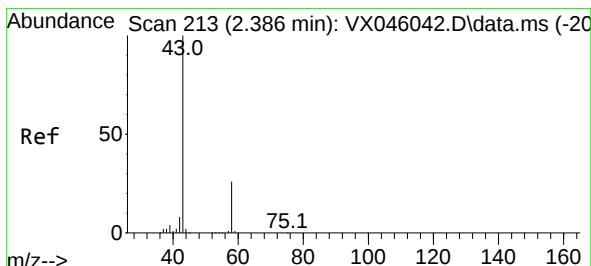
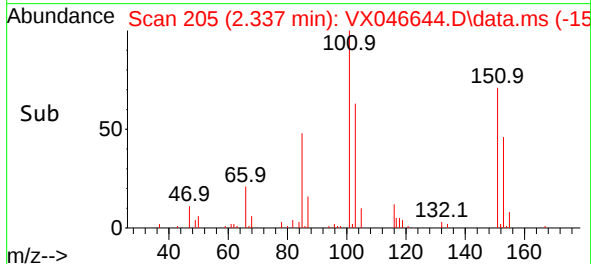
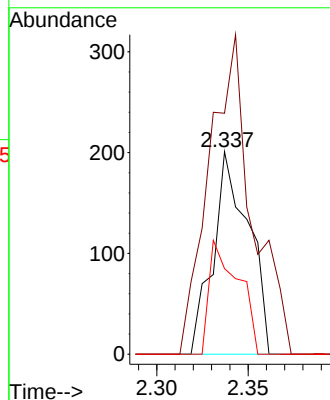
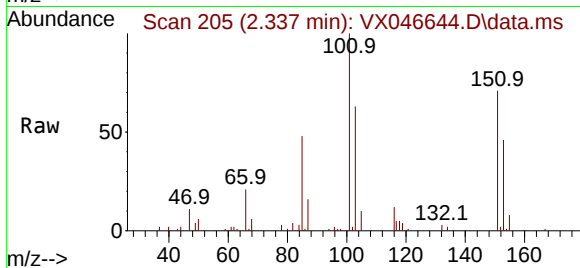
Tgt Ion: 96 Resp: 271

Ion Ratio Lower Upper

96 100

61 118.9 146.2 219.2#

98 42.3 51.0 76.6#



#16

Acetone

Concen: 5.991 ug/l

RT: 2.404 min Scan# 216

Delta R.T. 0.012 min

Lab File: VX046644.D

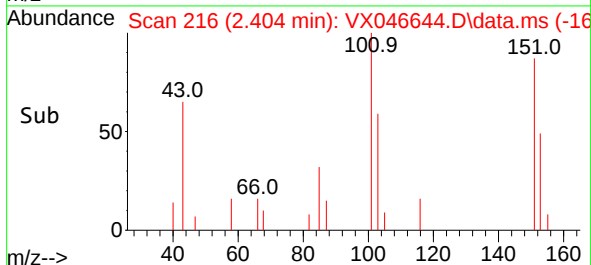
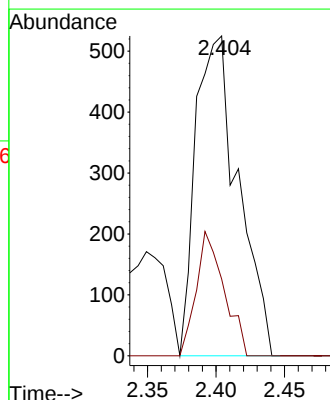
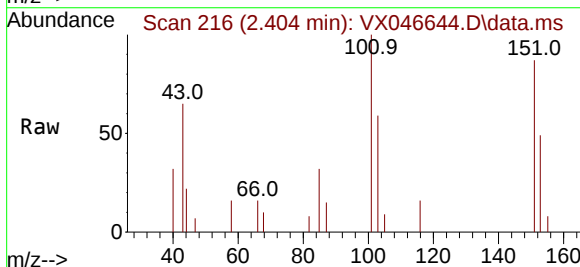
Acq: 11 Jun 2025 17:53

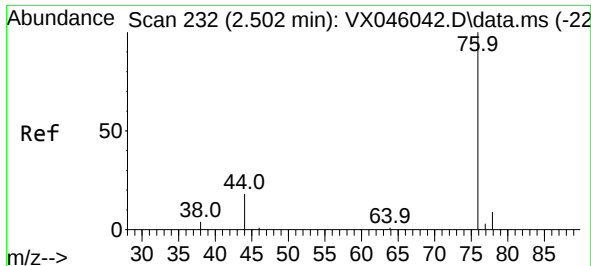
Tgt Ion: 43 Resp: 1133

Ion Ratio Lower Upper

43 100

58 24.0 21.2 31.8

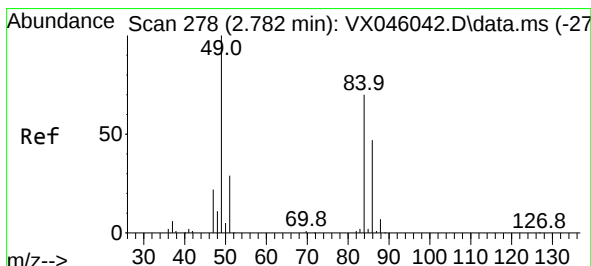
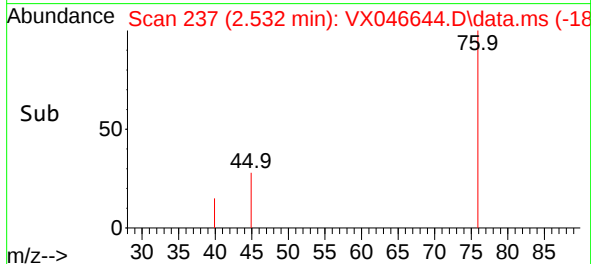
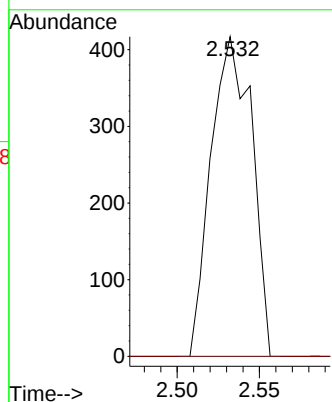
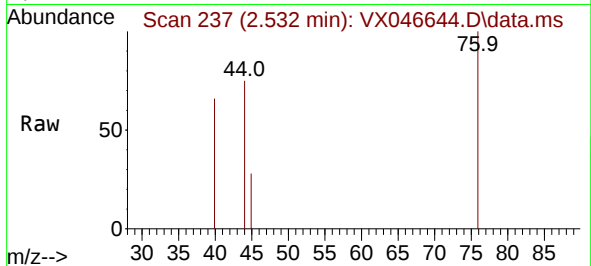




#17
Carbon Disulfide
Concen: 0.453 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

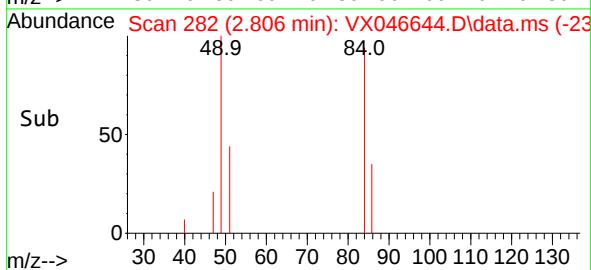
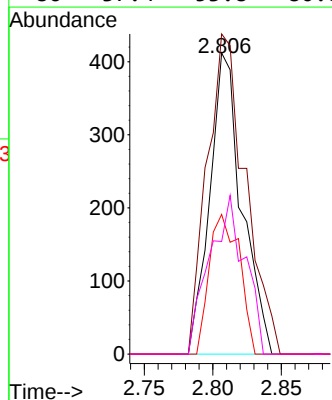
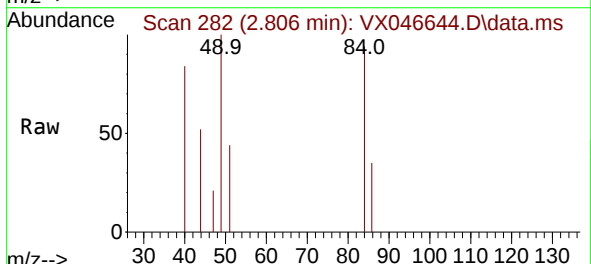
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

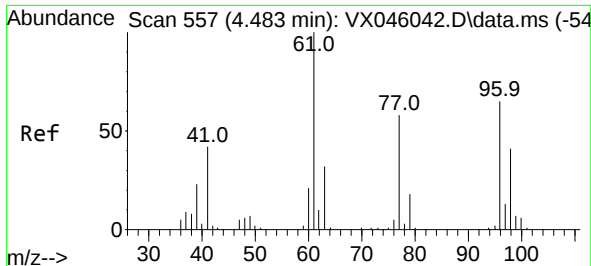
Tgt Ion: 76 Resp: 722
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#20
Methylene Chloride
Concen: 0.413 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Tgt Ion: 84 Resp: 672
Ion Ratio Lower Upper
84 100
49 106.3 113.9 170.9#
51 46.4 33.5 50.3
86 37.4 53.8 80.8#





#27

cis-1,2-Dichloroethene

Concen: 1.419 ug/l

RT: 4.513 min Scan# 501

Delta R.T. 0.006 min

Lab File: VX046644.D

Acq: 11 Jun 2025 17:53

Instrument :

MSVOA_X

ClientSampleId :

MW-06-6.5-060525

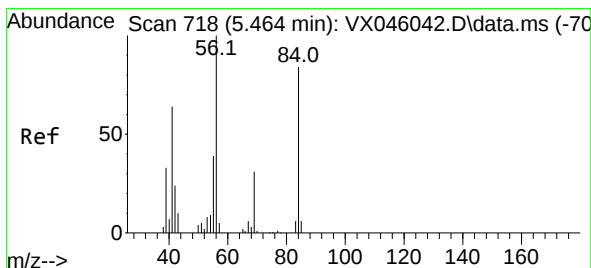
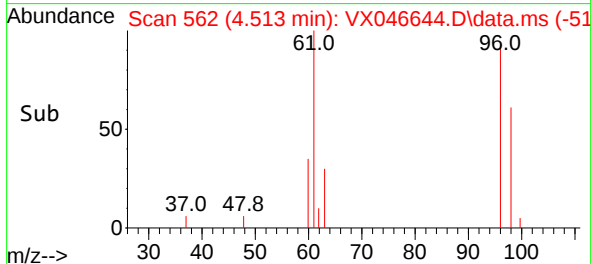
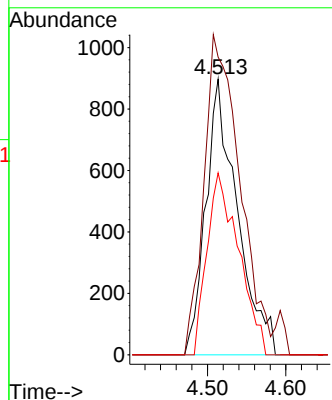
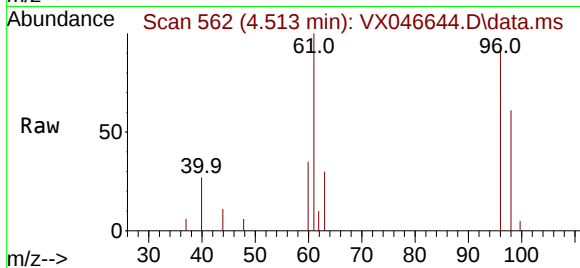
Tgt Ion: 96 Resp: 2501

Ion Ratio Lower Upper

96 100

61 132.1 0.0 322.8

98 66.5 0.0 129.0



#31

Cyclohexane

Concen: 0.986 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.073 min

Lab File: VX046644.D

Acq: 11 Jun 2025 17:53

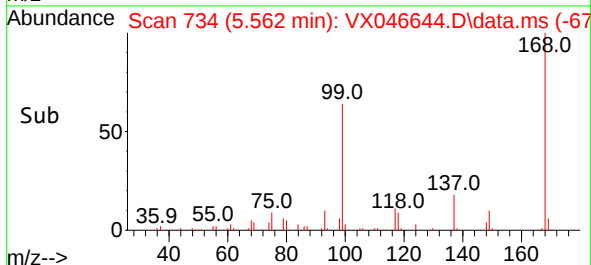
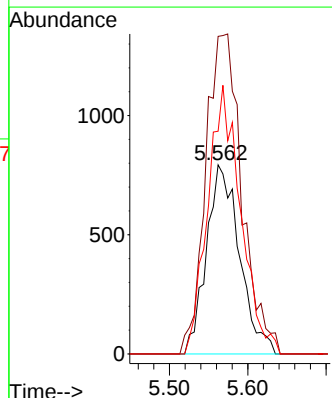
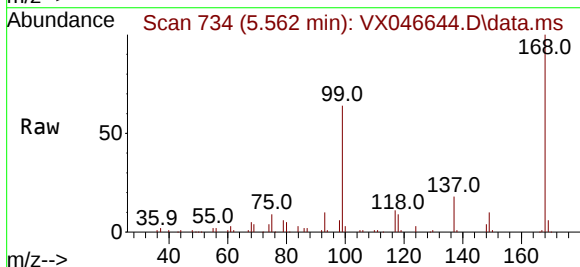
Tgt Ion: 56 Resp: 2325

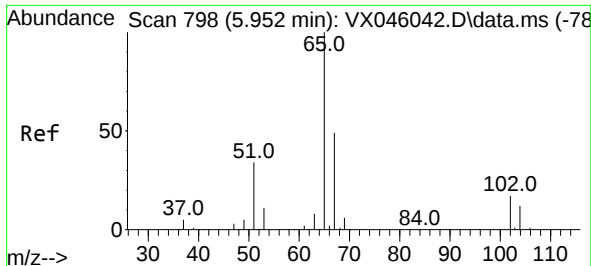
Ion Ratio Lower Upper

56 100

69 168.0 24.4 36.6#

84 117.8 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 42.531 ug/l

RT: 5.971 min Scan# 801

Delta R.T. 0.001 min

Lab File: VX046644.D

Acq: 11 Jun 2025 17:53

Instrument :

MSVOA_X

ClientSampleId :

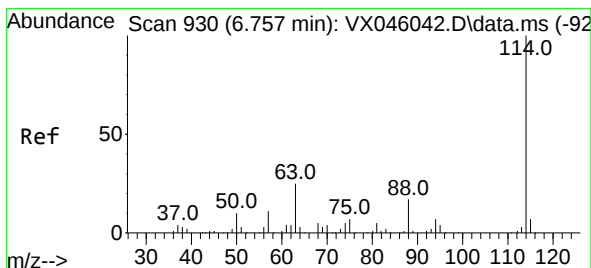
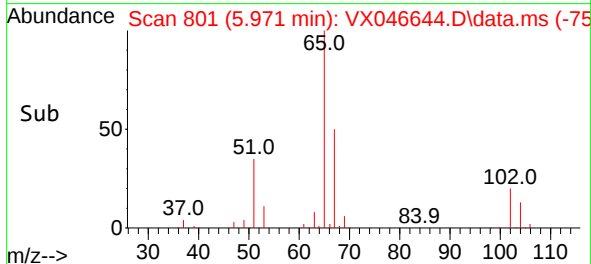
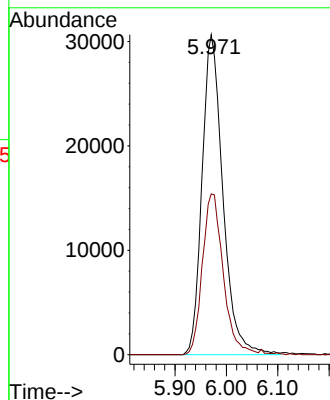
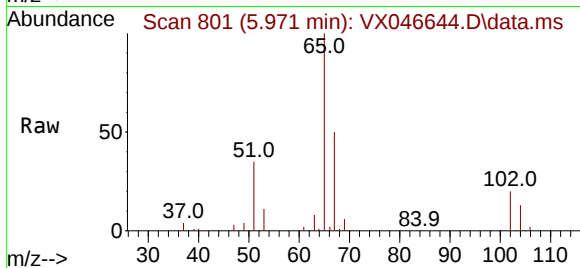
MW-06-6.5-060525

Tgt Ion: 65 Resp: 86239

Ion Ratio Lower Upper

65 100

67 50.3 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.000 min

Lab File: VX046644.D

Acq: 11 Jun 2025 17:53

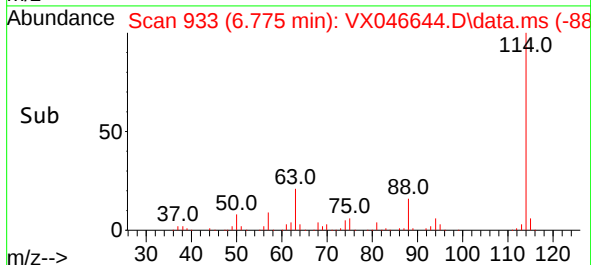
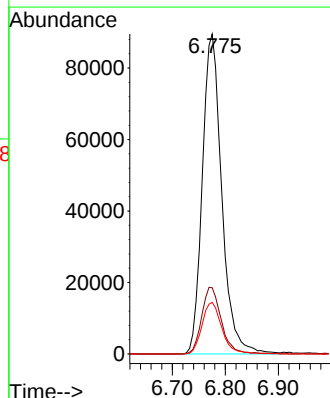
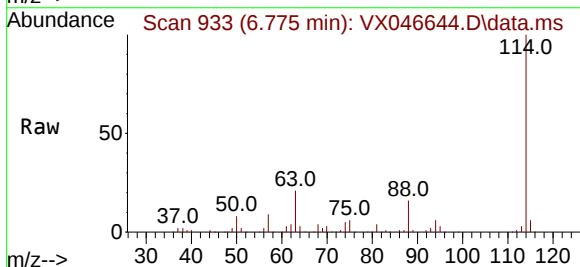
Tgt Ion: 114 Resp: 227958

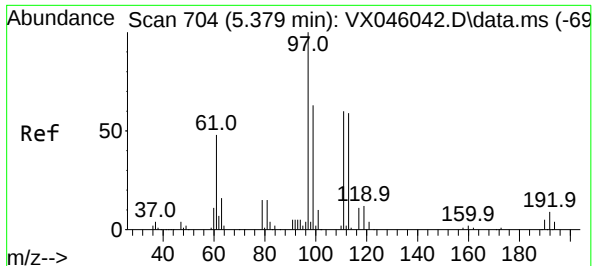
Ion Ratio Lower Upper

114 100

63 20.7 0.0 49.2

88 16.1 0.0 33.6

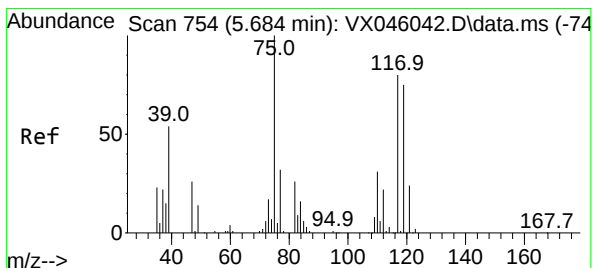
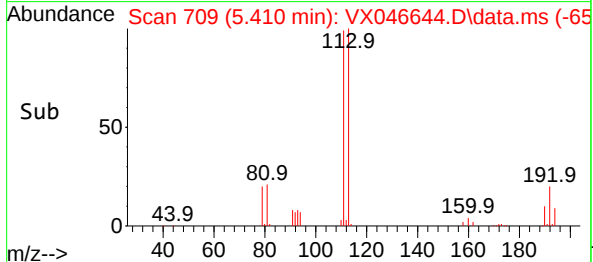
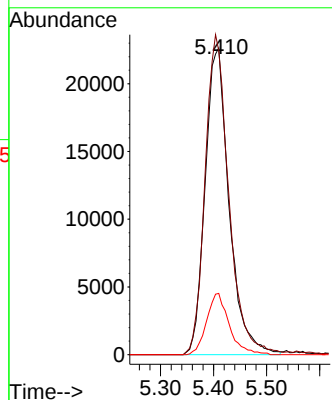
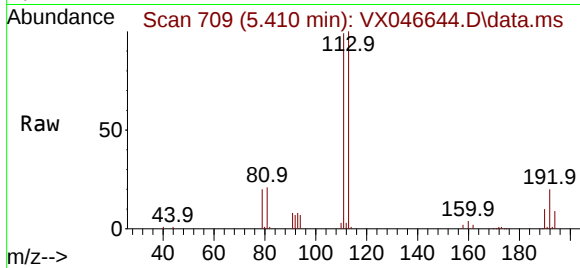




#35
Dibromofluoromethane
Concen: 42.454 ug/l
RT: 5.410 min Scan# 709
Delta R.T. 0.007 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

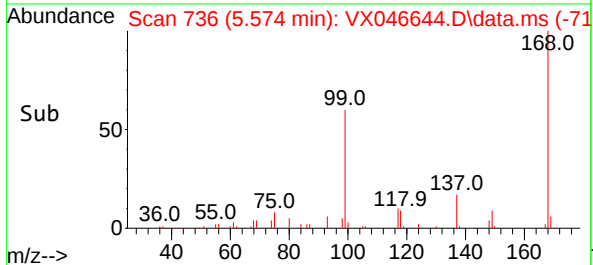
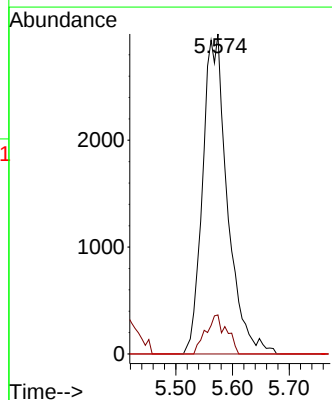
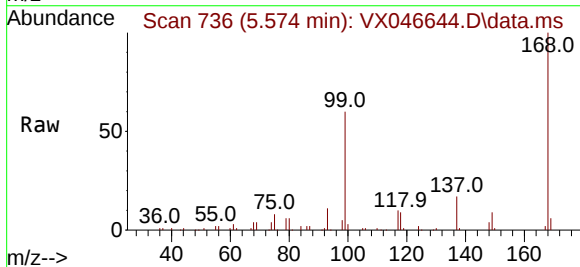
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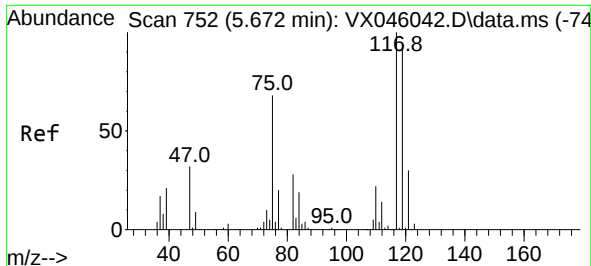
Tgt Ion:113 Resp: 71170
Ion Ratio Lower Upper
113 100
111 103.1 83.1 124.7
192 18.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 3.785 ug/l
RT: 5.574 min Scan# 736
Delta R.T. -0.140 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

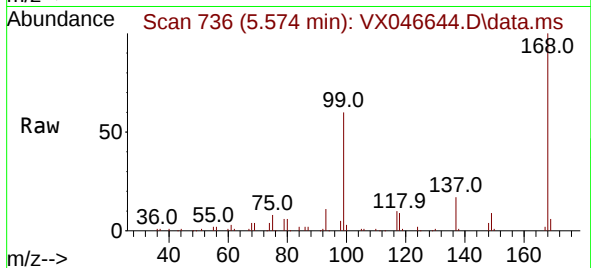
Tgt Ion: 75 Resp: 9064
Ion Ratio Lower Upper
75 100
110 10.2 16.3 48.9#
77 0.0 24.3 36.5#



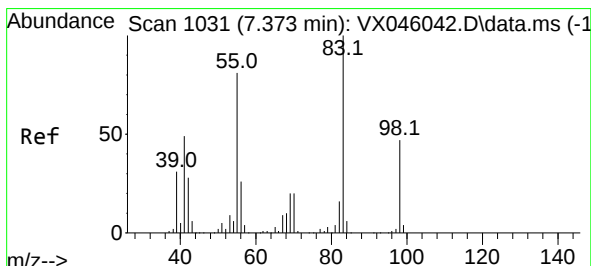
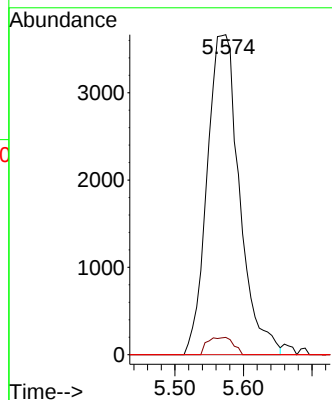
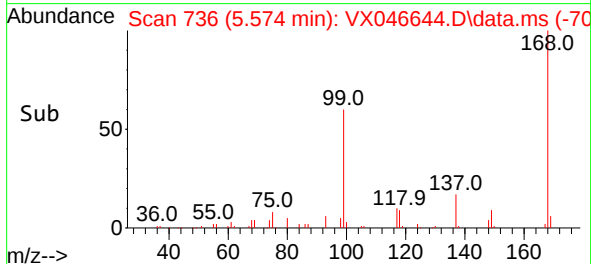


#38
Carbon Tetrachloride
Concen: 4.488 ug/l
RT: 5.574 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

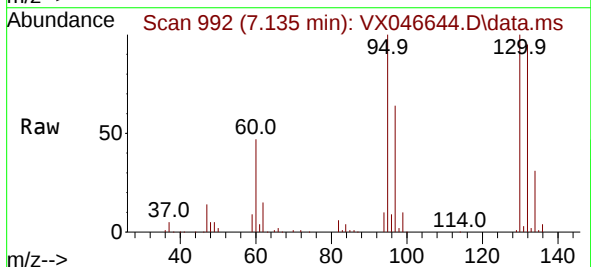
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525



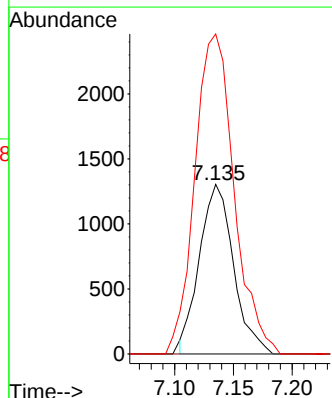
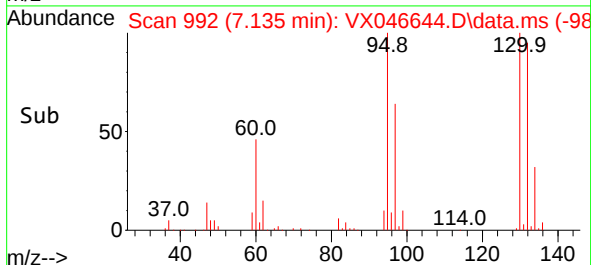
Tgt Ion:117 Resp: 12038
Ion Ratio Lower Upper
117 100
119 5.4 75.2 112.8#
121 0.0 24.2 36.4#

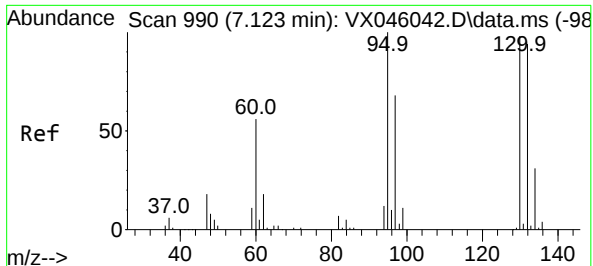


#39
Methylcyclohexane
Concen: 0.929 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.256 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53



Tgt Ion: 83 Resp: 2626
Ion Ratio Lower Upper
83 100
55 0.0 64.7 97.1#
98 188.7 37.4 56.2#

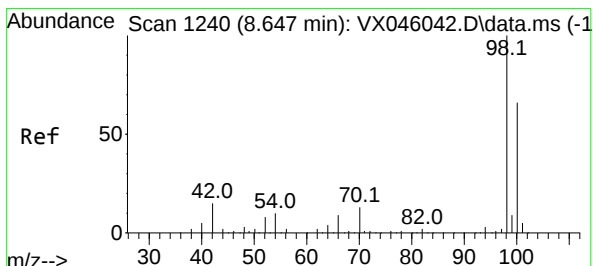
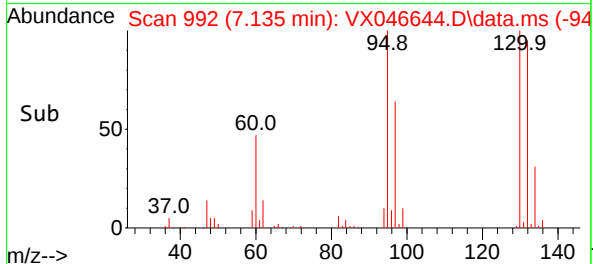
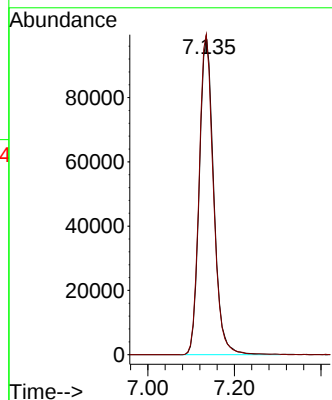
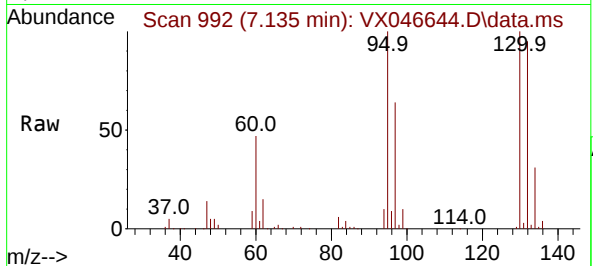




#44
 Trichloroethene
 Concen: 133.077 ug/l
 RT: 7.135 min Scan# 991
 Delta R.T. -0.000 min
 Lab File: VX046644.D
 Acq: 11 Jun 2025 17:53

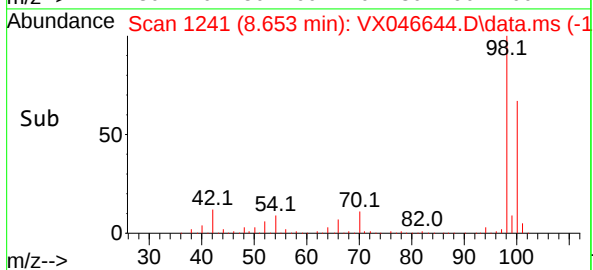
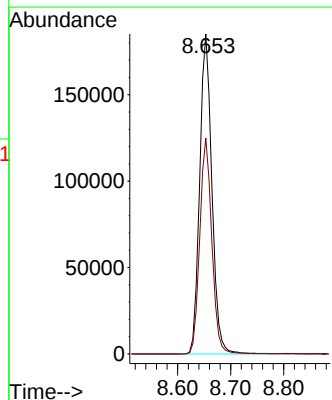
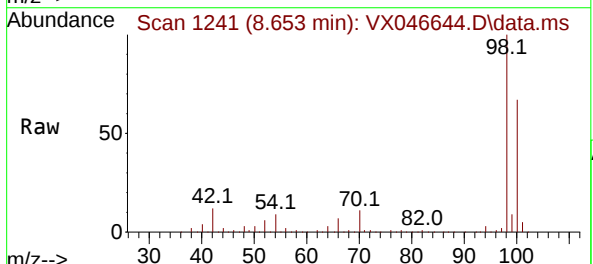
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-06-6.5-060525

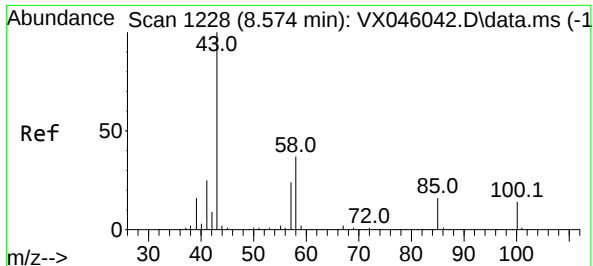
Tgt Ion:130 Resp: 227940
 Ion Ratio Lower Upper
 130 100
 95 100.4 0.0 204.2



#50
 Toluene-d8
 Concen: 53.402 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. -0.000 min
 Lab File: VX046644.D
 Acq: 11 Jun 2025 17:53

Tgt Ion: 98 Resp: 295147
 Ion Ratio Lower Upper
 98 100
 100 66.6 53.5 80.3

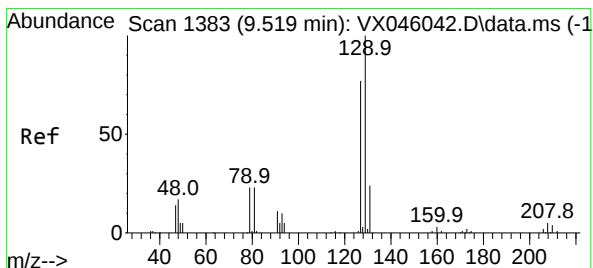
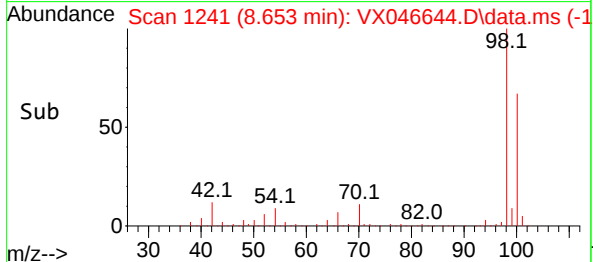
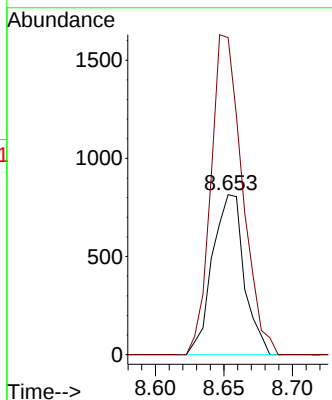
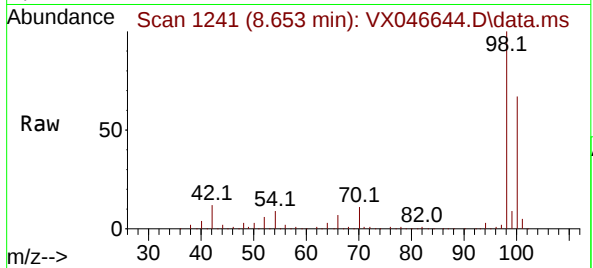




#51
4-Methyl-2-Pentanone
Concen: 0.508 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.080 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

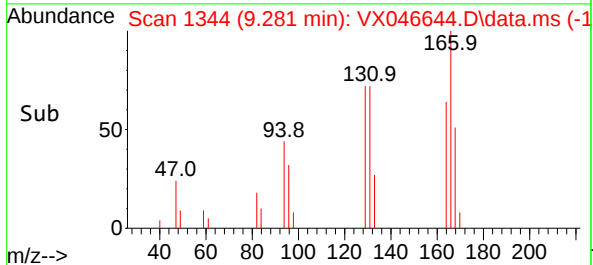
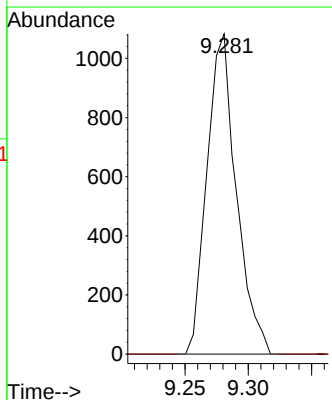
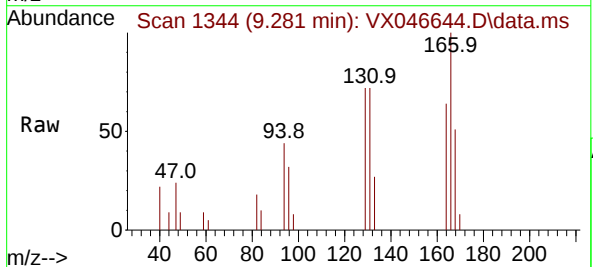
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

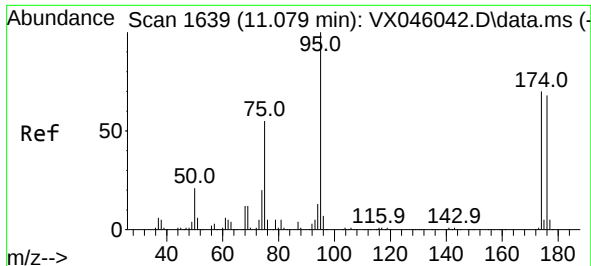
Tgt Ion: 43 Resp: 1316
Ion Ratio Lower Upper
43 100
58 197.7 28.9 43.3#



#60
Dibromochloromethane
Concen: 0.896 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Tgt Ion: 129 Resp: 1752
Ion Ratio Lower Upper
129 100
127 0.0 39.3 117.8#

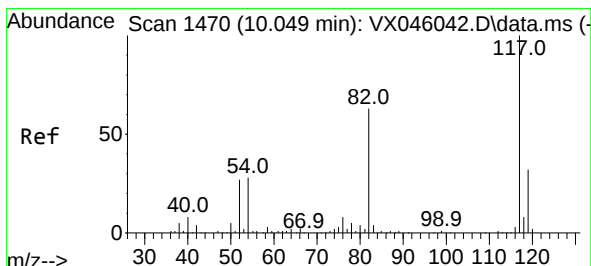
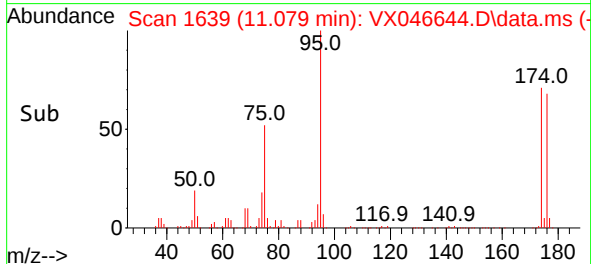
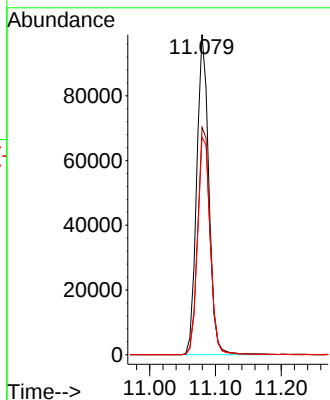
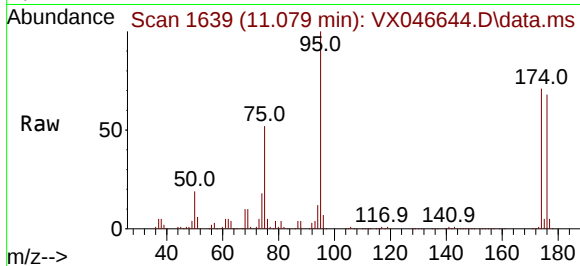




#62
4-Bromofluorobenzene
Concen: 55.517 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

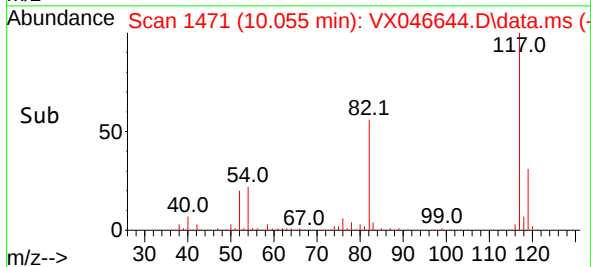
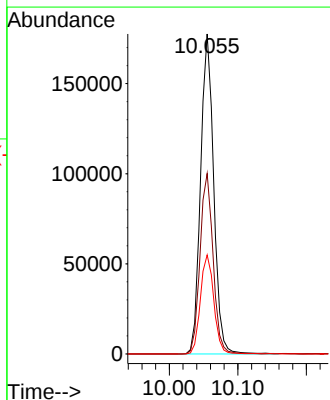
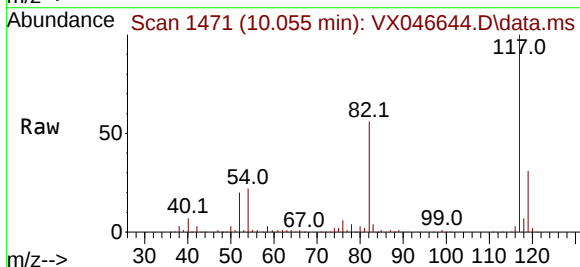
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

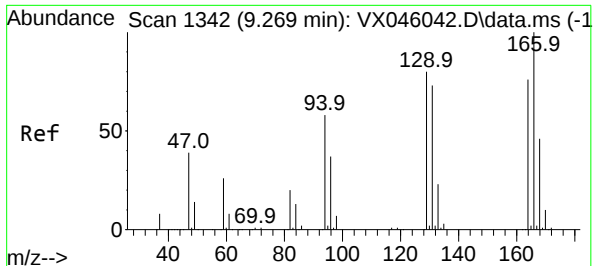
Tgt Ion: 95 Resp: 126952
Ion Ratio Lower Upper
95 100
174 72.4 0.0 135.8
176 70.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Tgt Ion: 117 Resp: 237036
Ion Ratio Lower Upper
117 100
82 56.4 50.6 76.0
119 31.0 25.8 38.6

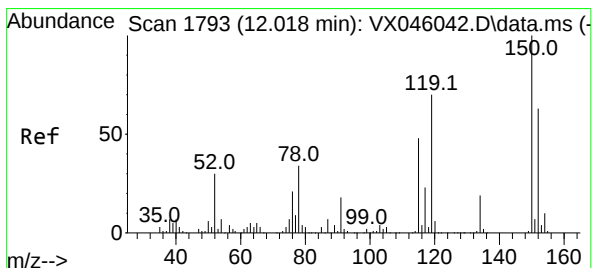
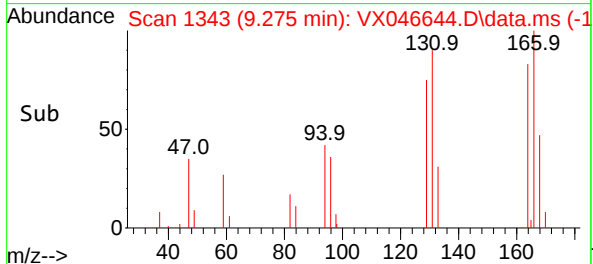
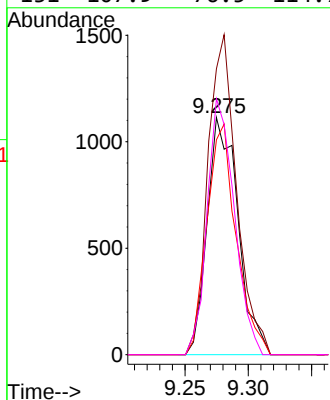
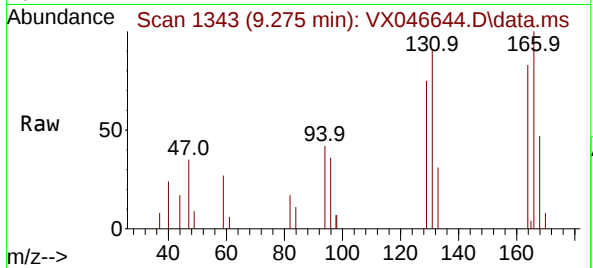




#64
Tetrachloroethene
Concen: 1.185 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

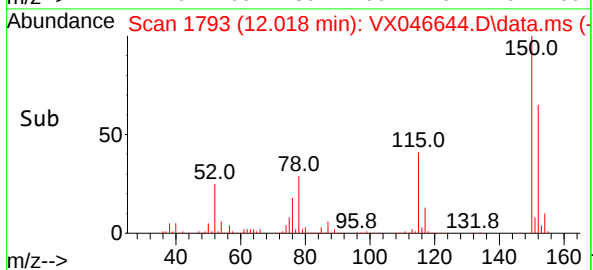
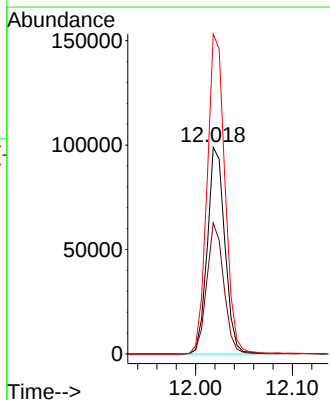
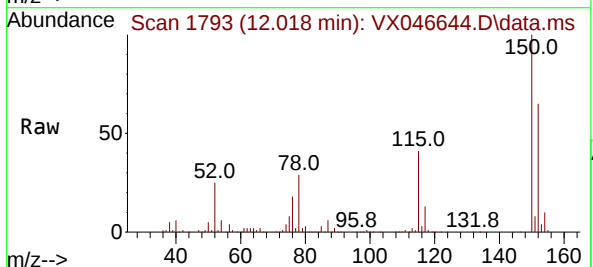
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

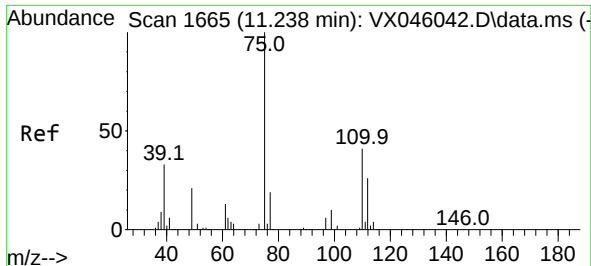
Tgt Ion:164 Resp: 1879
Ion Ratio Lower Upper
164 100
166 120.6 105.0 157.6
129 90.6 83.5 125.3
131 107.9 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Tgt Ion:152 Resp: 124632
Ion Ratio Lower Upper
152 100
115 61.9 46.9 140.7
150 158.5 0.0 351.0

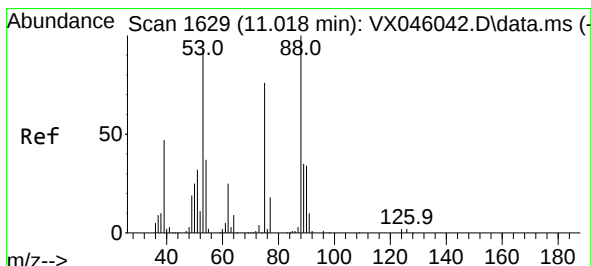
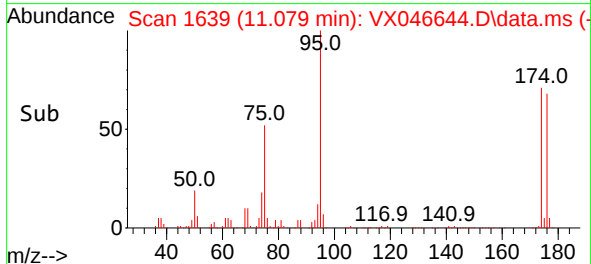
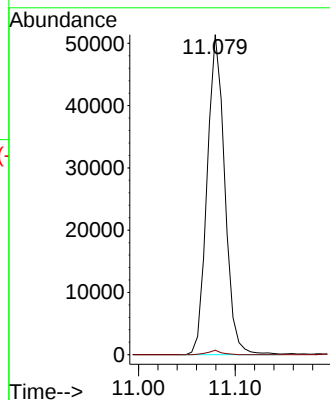
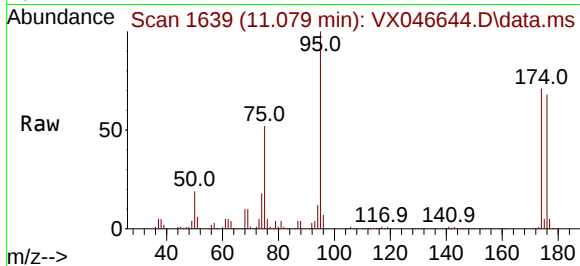




#76
1,2,3-Trichloropropane
Concen: 24.741 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

Tgt Ion: 75 Resp: 65313
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.368 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Tgt Ion: 75 Resp: 65313
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

