

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
 Data File : VX046438.D
 Acq On : 02 Jun 2025 12:27
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jun 03 01:28:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

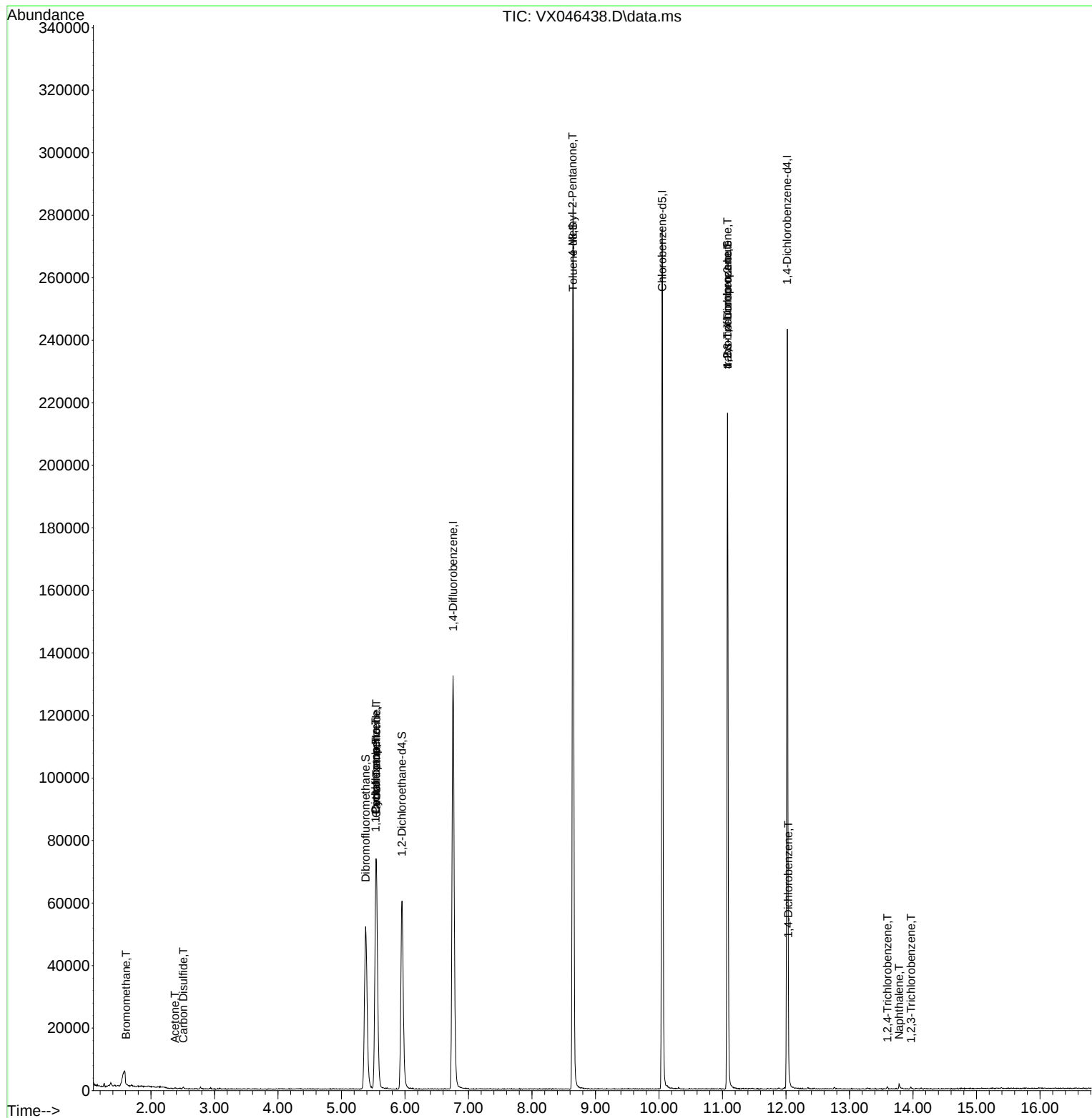
Internal Standards						
1) Pentafluorobenzene	5.544	168	62941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124233	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	114185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	44843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61183	52.141	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.280%	
35) Dibromofluoromethane	5.379	113	45002	50.304	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.600%	
50) Toluene-d8	8.647	98	157741	50.944	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.880%	
62) 4-Bromofluorobenzene	11.079	95	57205	48.164	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.320%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	100	0.248	ug/l	95
16) Acetone	2.380	43	262	0.557	ug/l #	79
17) Carbon Disulfide	2.508	76	559	0.316	ug/l #	76
31) Cyclohexane	5.544	56	1957	1.399	ug/l #	40
36) 1,1-Dichloropropene	5.538	75	6534	5.436	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7411	5.487	ug/l #	17
51) 4-Methyl-2-Pentanone	8.641	43	893	0.594	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	33304	30.854	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33304	100.452	ug/l #	1
88) 1,4-Dichlorobenzene	12.037	146	305	0.202	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.597	180	261	0.306	ug/l	85
95) Naphthalene	13.780	128	1743	0.557	ug/l #	88
96) 1,2,3-Trichlorobenzene	13.969	180	319	0.363	ug/l #	86

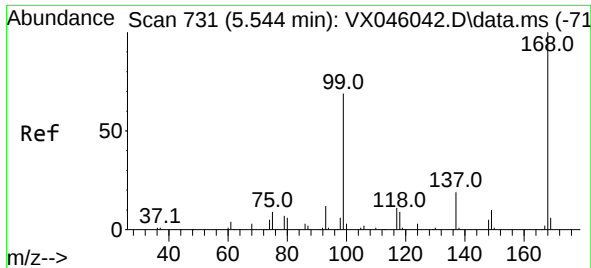
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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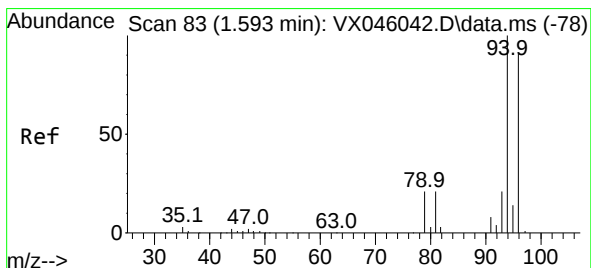
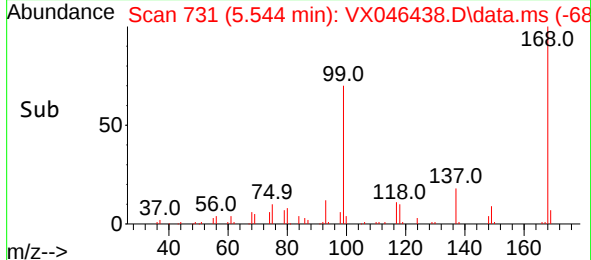
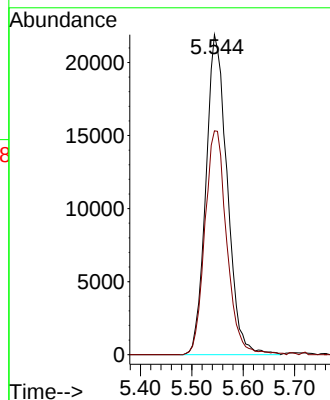
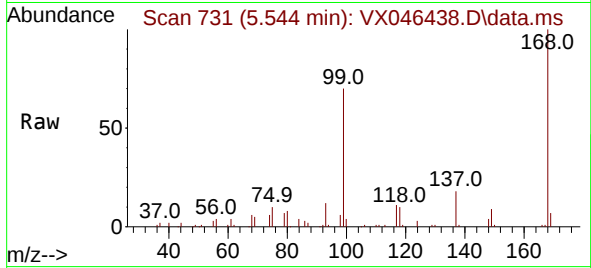




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046438.D
Acq: 02 Jun 2025 12:27

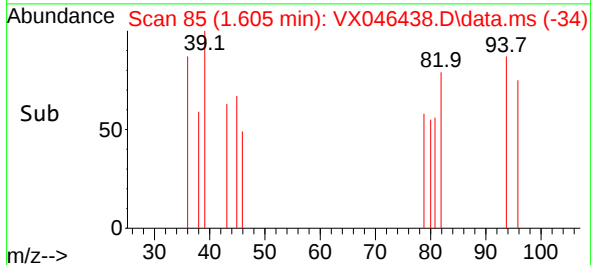
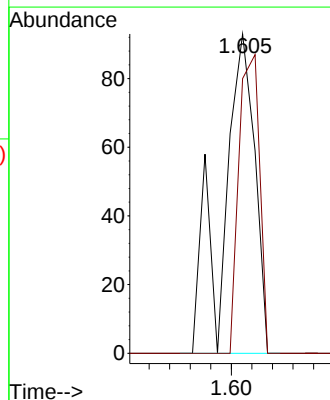
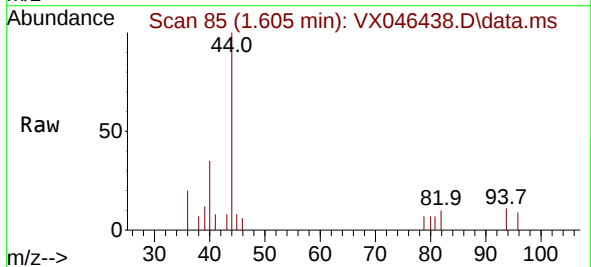
Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:168 Resp: 62941
Ion Ratio Lower Upper
168 100
99 70.0 54.9 82.3



#5
Bromomethane
Concen: 0.248 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX046438.D
Acq: 02 Jun 2025 12:27

Tgt Ion: 94 Resp: 100
Ion Ratio Lower Upper
94 100
96 86.0 72.8 109.2





#16

Acetone

Concen: 0.557 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX046438.D

Acq: 02 Jun 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

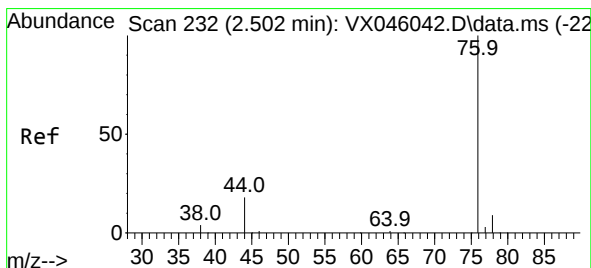
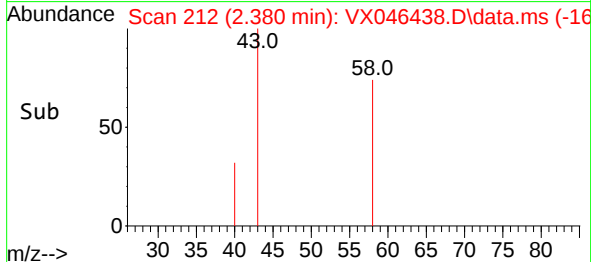
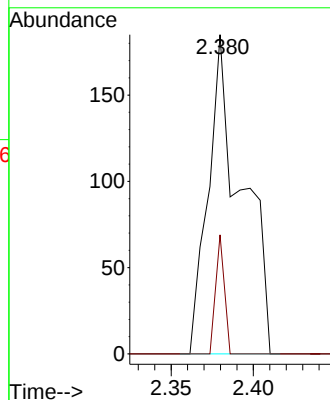
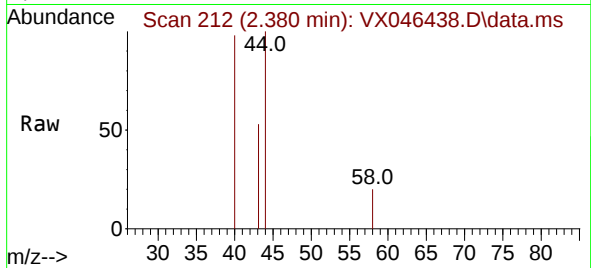
IBLK

Tgt Ion: 43 Resp: 262

Ion Ratio Lower Upper

43 100

58 37.3 21.2 31.8#



#17

Carbon Disulfide

Concen: 0.316 ug/l

RT: 2.508 min Scan# 233

Delta R.T. 0.006 min

Lab File: VX046438.D

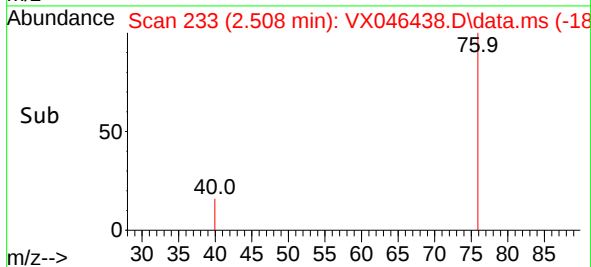
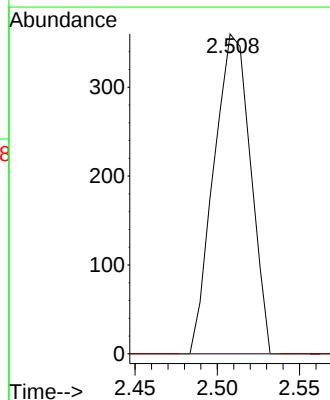
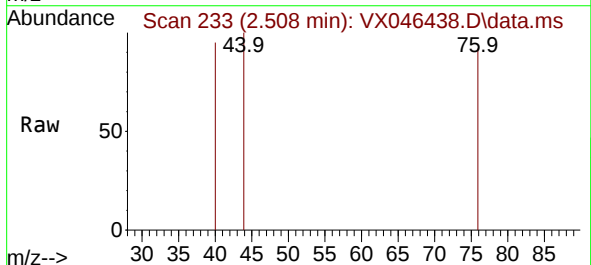
Acq: 02 Jun 2025 12:27

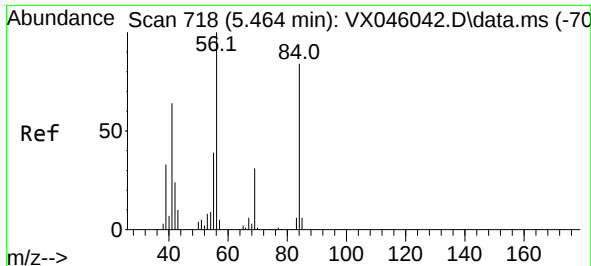
Tgt Ion: 76 Resp: 559

Ion Ratio Lower Upper

76 100

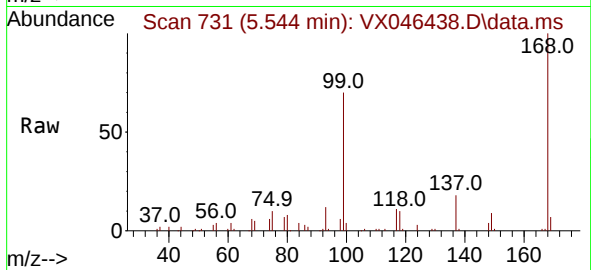
78 0.0 7.0 10.4#



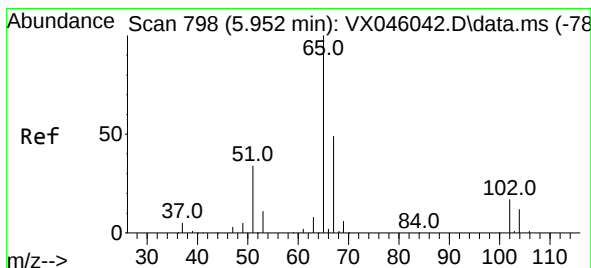
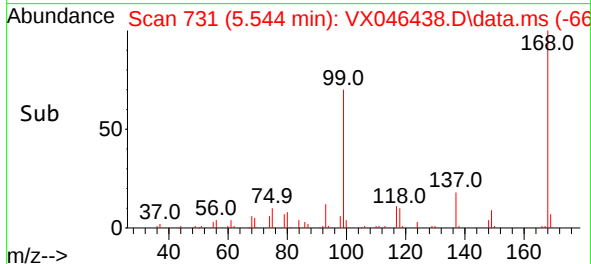
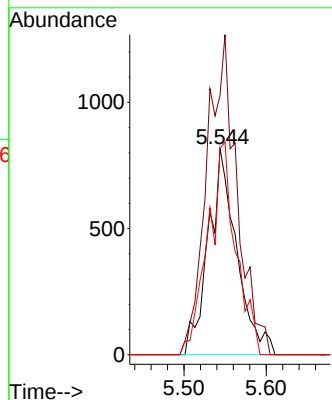


#31
Cyclohexane
Concen: 1.399 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046438.D
Acq: 02 Jun 2025 12:27

Instrument :
MSVOA_X
ClientSampleId :
IBLK

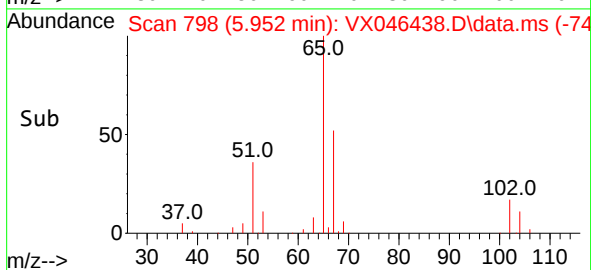
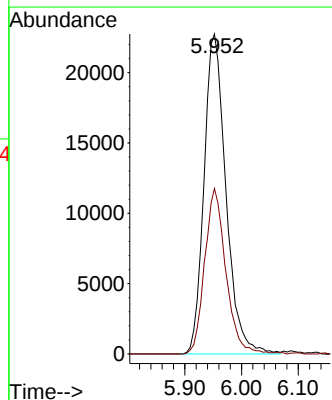
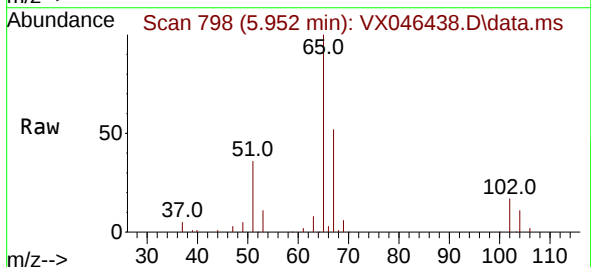


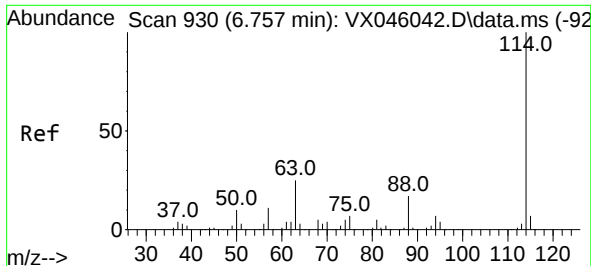
Tgt Ion: 56 Resp: 1957
Ion Ratio Lower Upper
56 100
69 125.8 24.4 36.6#
84 99.9 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 52.141 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046438.D
Acq: 02 Jun 2025 12:27

Tgt Ion: 65 Resp: 61183
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.0

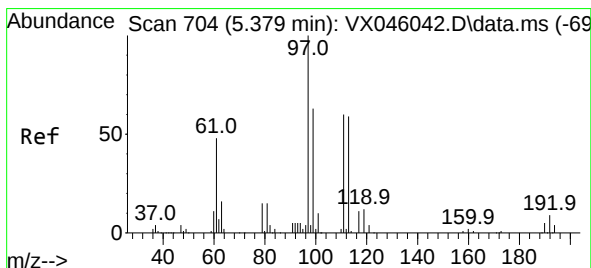
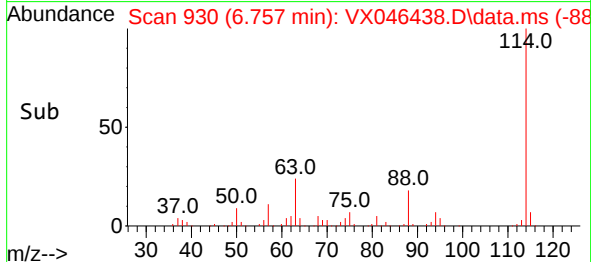
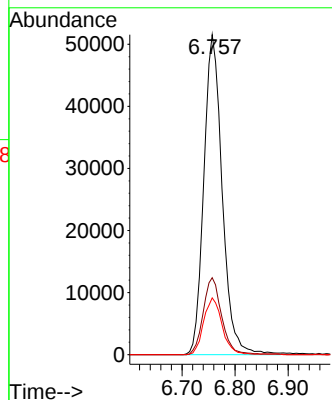
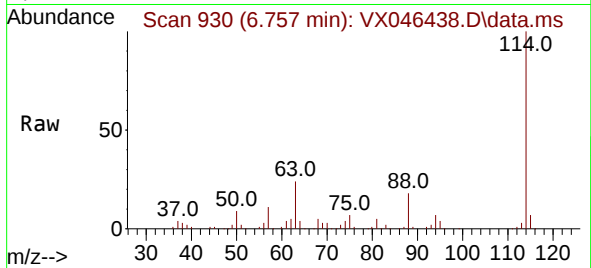




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046438.D
Acq: 02 Jun 2025 12:27

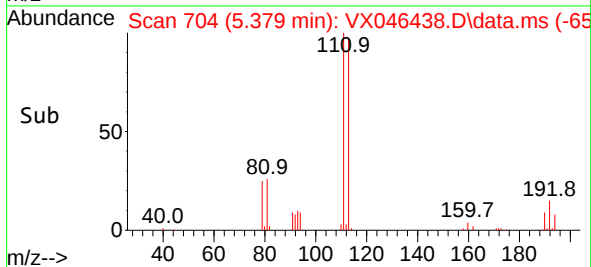
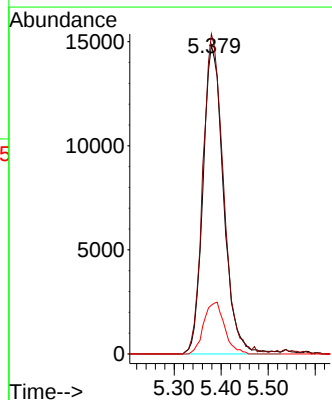
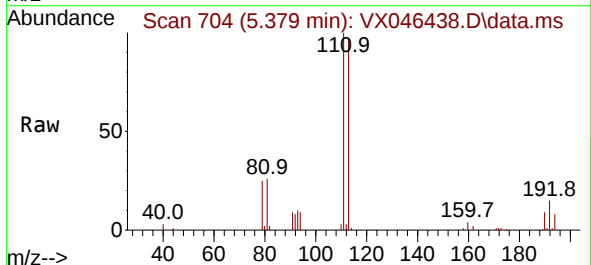
Instrument :
MSVOA_X
ClientSampleId :
IBLK

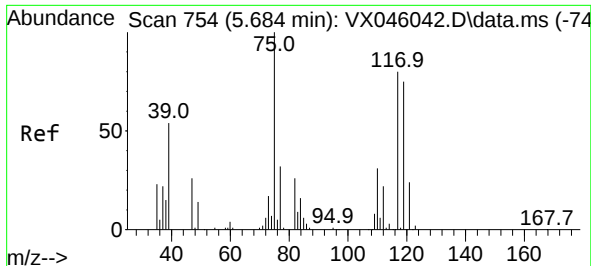
Tgt Ion:114 Resp: 124233
Ion Ratio Lower Upper
114 100
63 24.1 0.0 49.2
88 17.7 0.0 33.6



#35
Dibromofluoromethane
Concen: 50.304 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046438.D
Acq: 02 Jun 2025 12:27

Tgt Ion:113 Resp: 45002
Ion Ratio Lower Upper
113 100
111 103.8 83.1 124.7
192 16.9 13.3 19.9

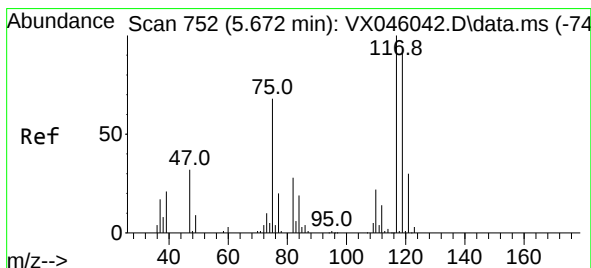
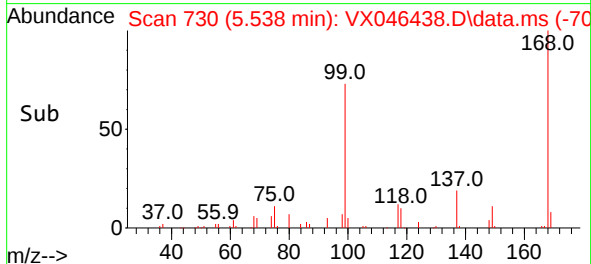
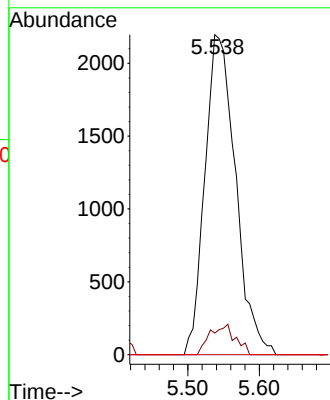
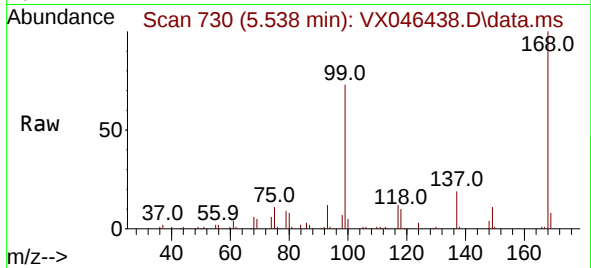




#36
 1,1-Dichloropropene
 Concen: 5.436 ug/l
 RT: 5.538 min Scan# 711
 Delta R.T. -0.146 min
 Lab File: VX046438.D
 Acq: 02 Jun 2025 12:27

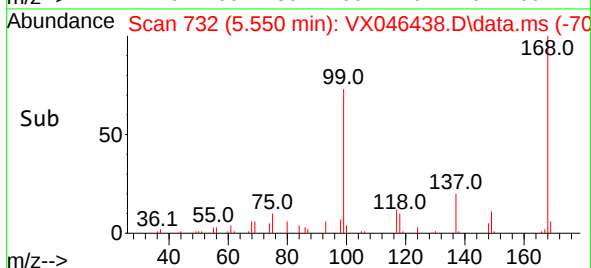
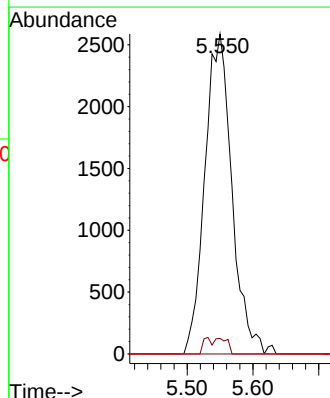
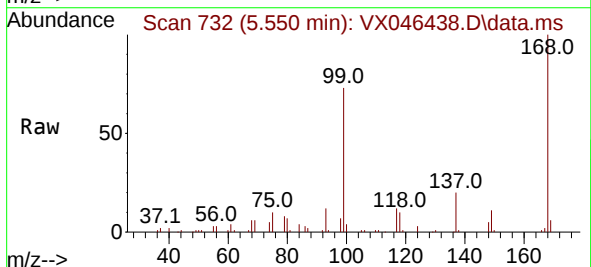
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

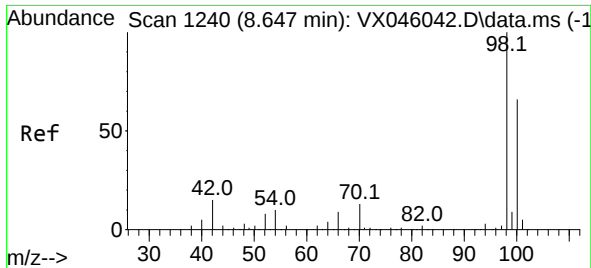
Tgt Ion: 75 Resp: 6534
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.3 48.9#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.487 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.122 min
 Lab File: VX046438.D
 Acq: 02 Jun 2025 12:27

Tgt Ion: 117 Resp: 7411
 Ion Ratio Lower Upper
 117 100
 119 4.8 75.2 112.8#
 121 0.0 24.2 36.4#

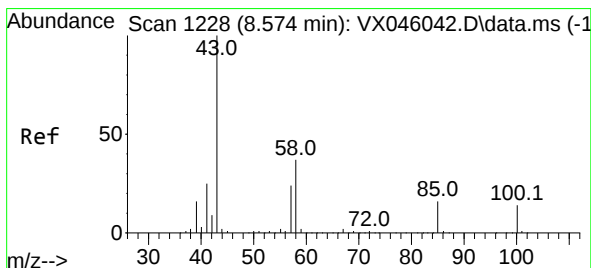
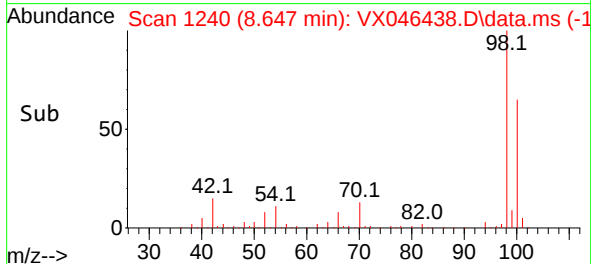
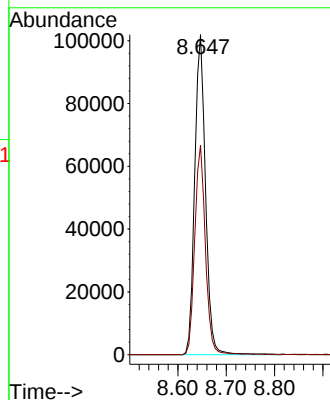
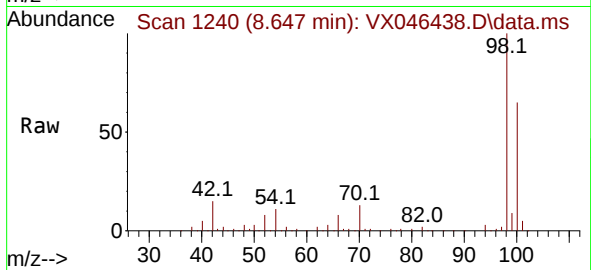




#50
Toluene-d8
Concen: 50.944 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046438.D
Acq: 02 Jun 2025 12:27

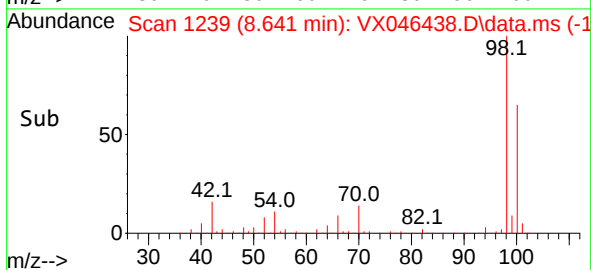
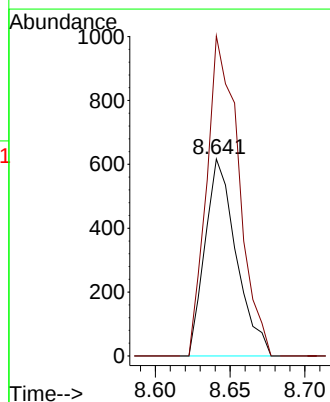
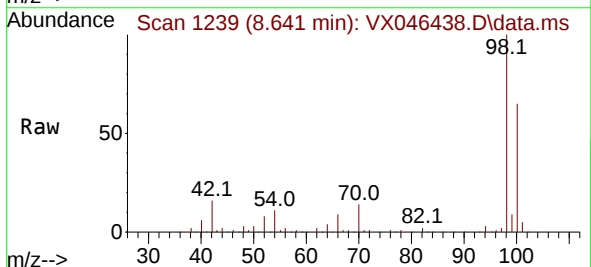
Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 98 Resp: 157741
Ion Ratio Lower Upper
98 100
100 64.8 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.594 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX046438.D
Acq: 02 Jun 2025 12:27

Tgt Ion: 43 Resp: 893
Ion Ratio Lower Upper
43 100
58 167.4 28.9 43.3#





#62

4-Bromofluorobenzene

Concen: 48.164 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046438.D

Acq: 02 Jun 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

IBLK

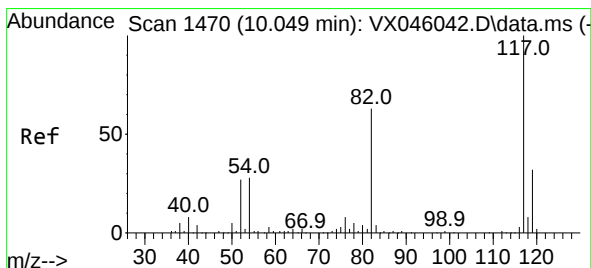
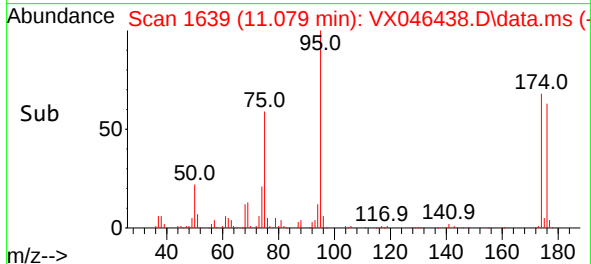
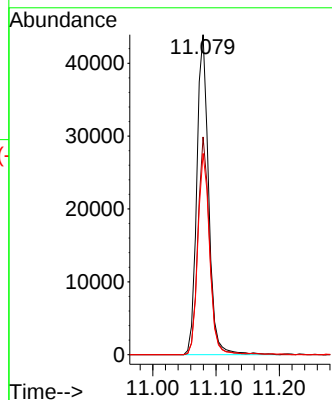
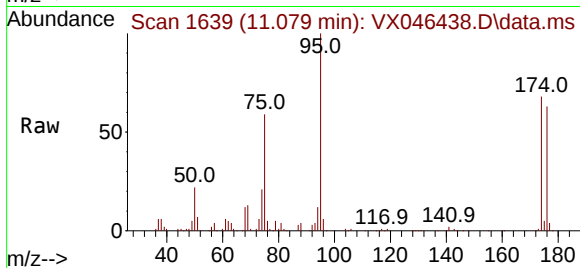
Tgt Ion: 95 Resp: 57205

Ion Ratio Lower Upper

95 100

174 66.4 0.0 135.8

176 63.0 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX046438.D

Acq: 02 Jun 2025 12:27

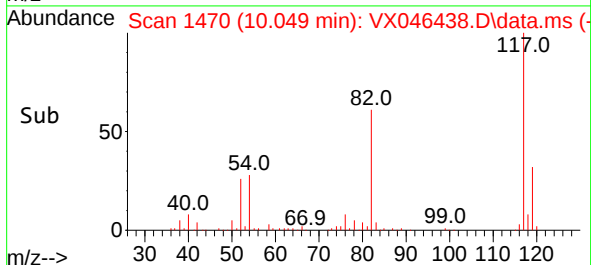
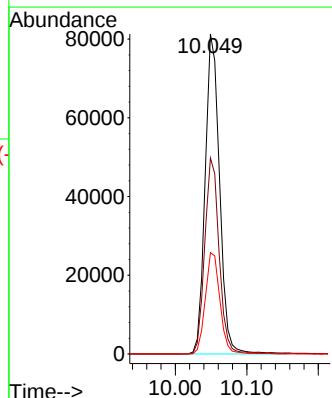
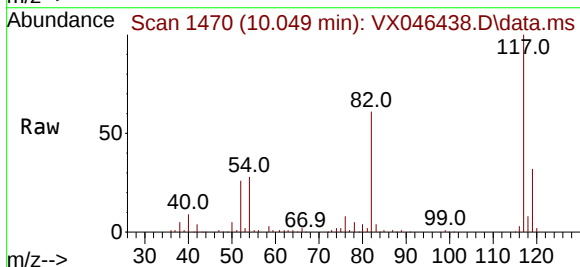
Tgt Ion: 117 Resp: 114185

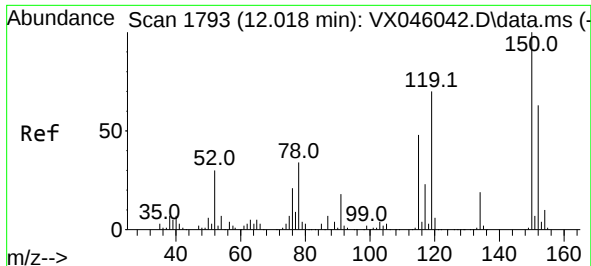
Ion Ratio Lower Upper

117 100

82 61.3 50.6 76.0

119 31.6 25.8 38.6

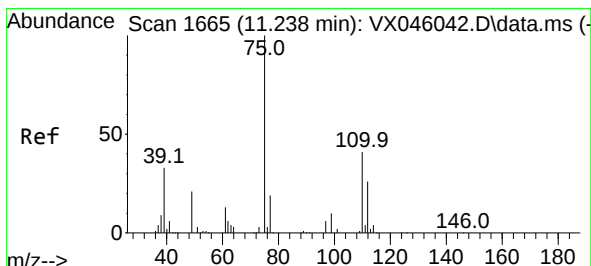
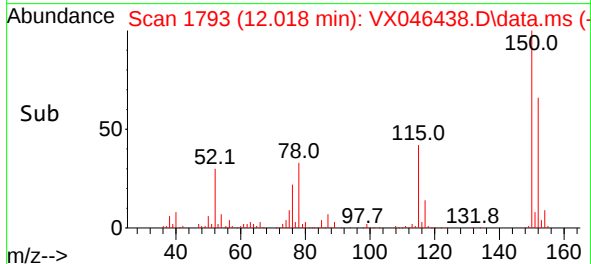
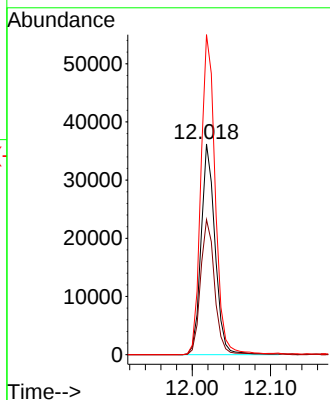
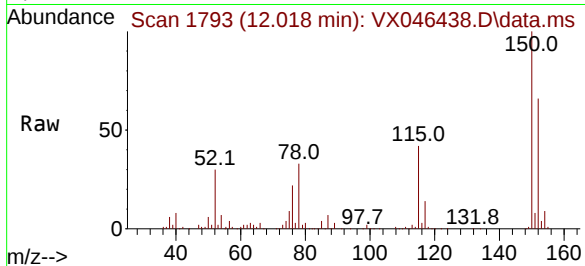




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046438.D
Acq: 02 Jun 2025 12:27

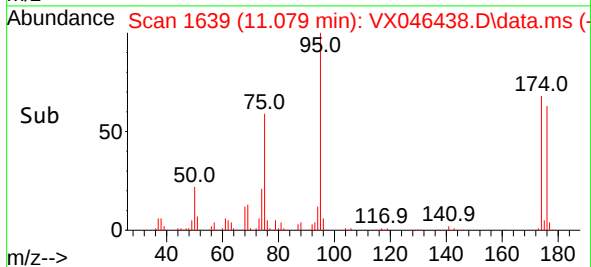
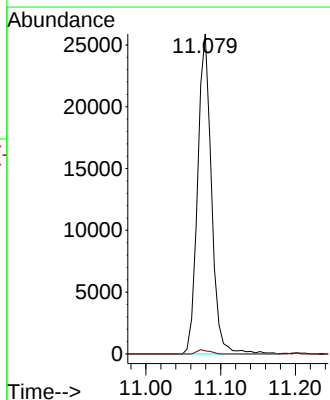
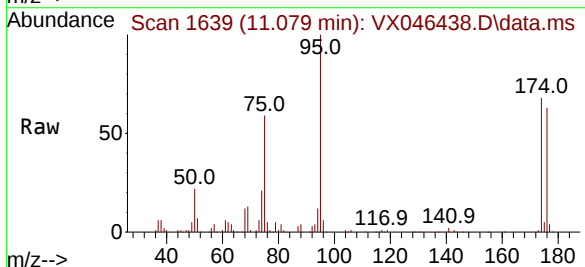
Instrument :
MSVOA_X
ClientSampleId :
IBLK

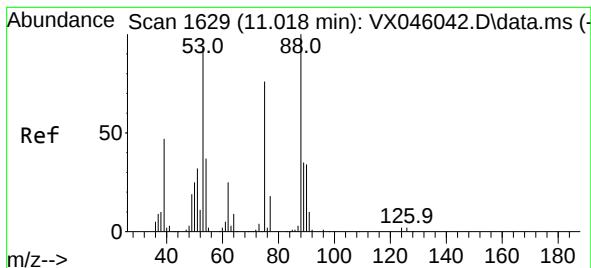
Tgt Ion:152 Resp: 44843
Ion Ratio Lower Upper
152 100
115 64.7 46.9 140.7
150 155.8 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 30.854 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046438.D
Acq: 02 Jun 2025 12:27

Tgt Ion: 75 Resp: 33304
Ion Ratio Lower Upper
75 100
77 1.2 20.5 61.5#

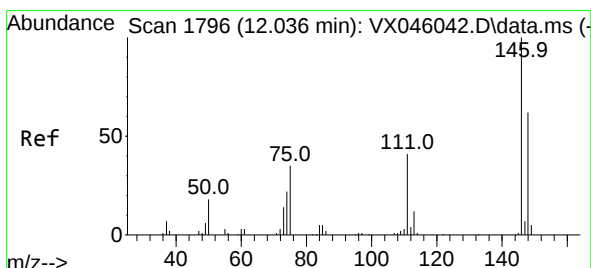
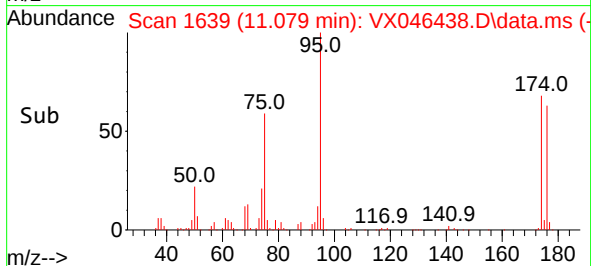
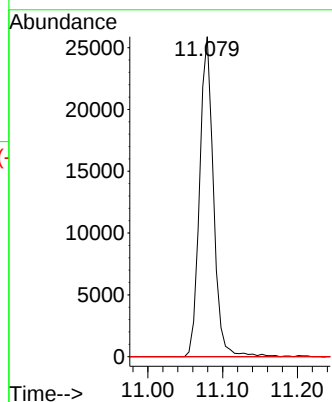
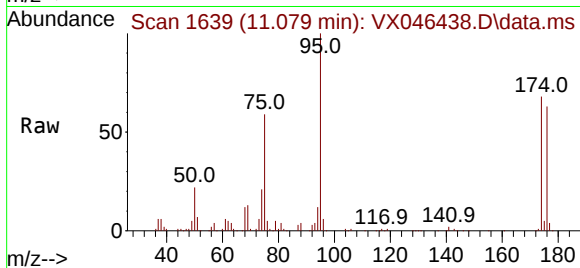




#81
trans-1,4-Dichloro-2-butene
Concen: 100.452 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046438.D
Acq: 02 Jun 2025 12:27

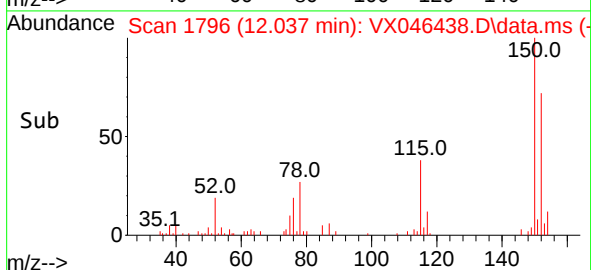
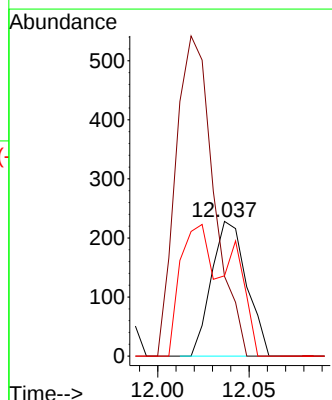
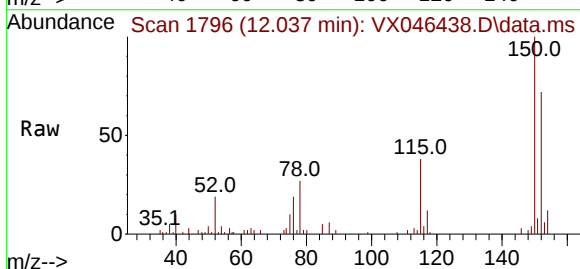
Instrument :
MSVOA_X
ClientSampleId :
IBLK

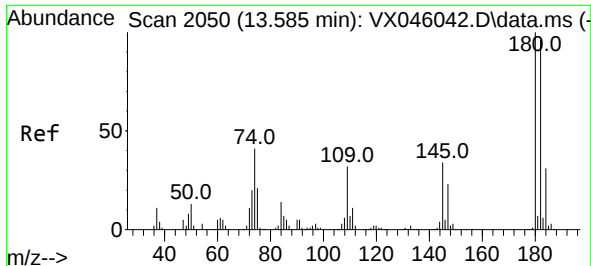
Tgt Ion: 75 Resp: 33304
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#



#88
1,4-Dichlorobenzene
Concen: 0.202 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046438.D
Acq: 02 Jun 2025 12:27

Tgt Ion:146 Resp: 305
Ion Ratio Lower Upper
146 100
111 257.4 21.3 63.9#
148 139.0 31.9 95.5#

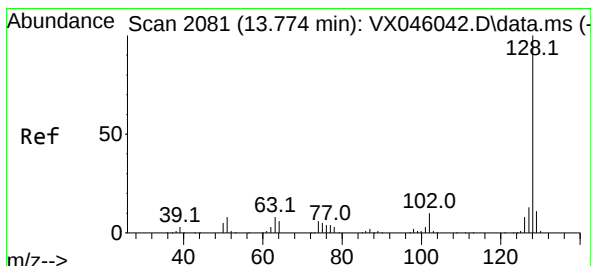
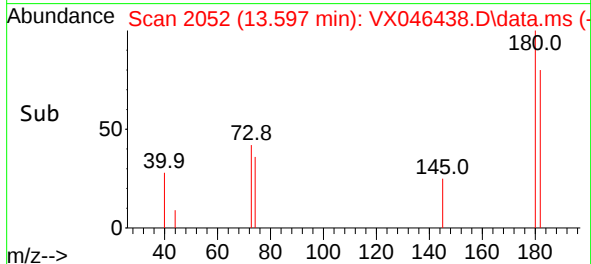
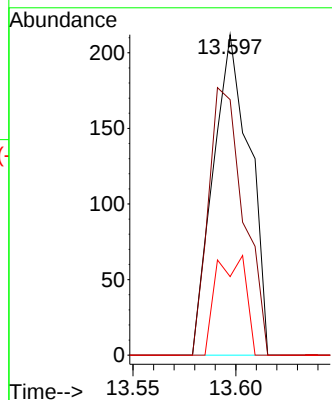
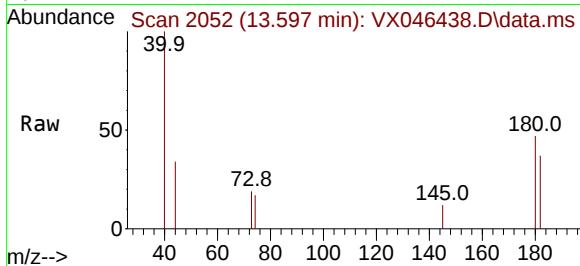




#93
1,2,4-Trichlorobenzene
Concen: 0.306 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX046438.D
Acq: 02 Jun 2025 12:27

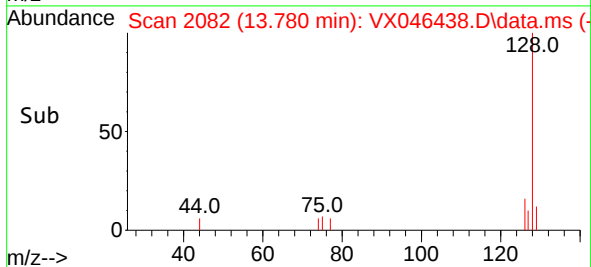
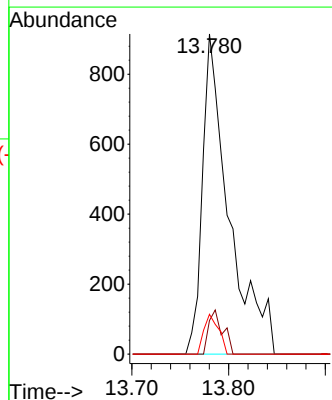
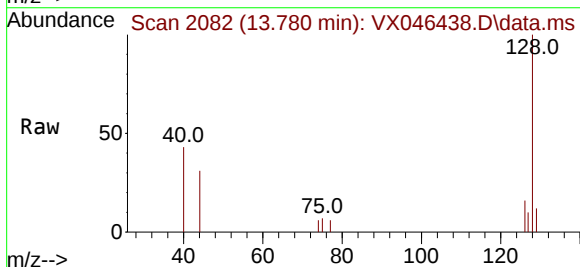
Instrument :
MSVOA_X
ClientSampleId :
IBLK

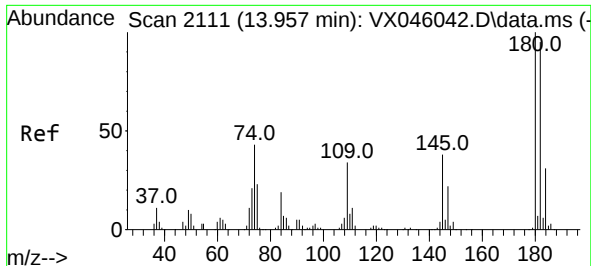
Tgt Ion:180 Resp: 261
Ion Ratio Lower Upper
180 100
182 81.2 47.9 143.8
145 25.3 17.1 51.2



#95
Naphthalene
Concen: 0.557 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046438.D
Acq: 02 Jun 2025 12:27

Tgt Ion:128 Resp: 1743
Ion Ratio Lower Upper
128 100
127 7.4 10.4 15.6#
129 6.9 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 0.363 ug/l

RT: 13.969 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX046438.D

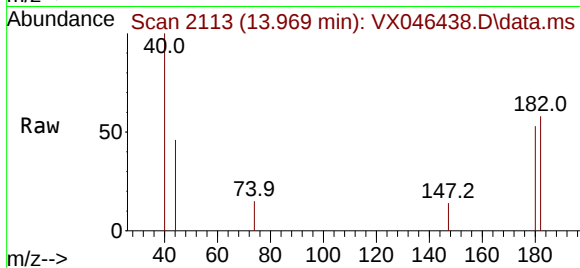
Acq: 02 Jun 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion:180 Resp: 319

Ion Ratio Lower Upper

180 100

182 89.7 47.8 143.3

145 16.3 18.1 54.3#

