

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
 Data File : VX045578.D
 Acq On : 03 Apr 2025 17:56
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Apr 04 01:28:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	66968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131037	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50893	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64538	52.698	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.400%	
35) Dibromofluoromethane	5.379	113	47009	50.563	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.120%	
50) Toluene-d8	8.647	98	165239	50.920	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.840%	
62) 4-Bromofluorobenzene	11.079	95	60195	50.926	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.860%	

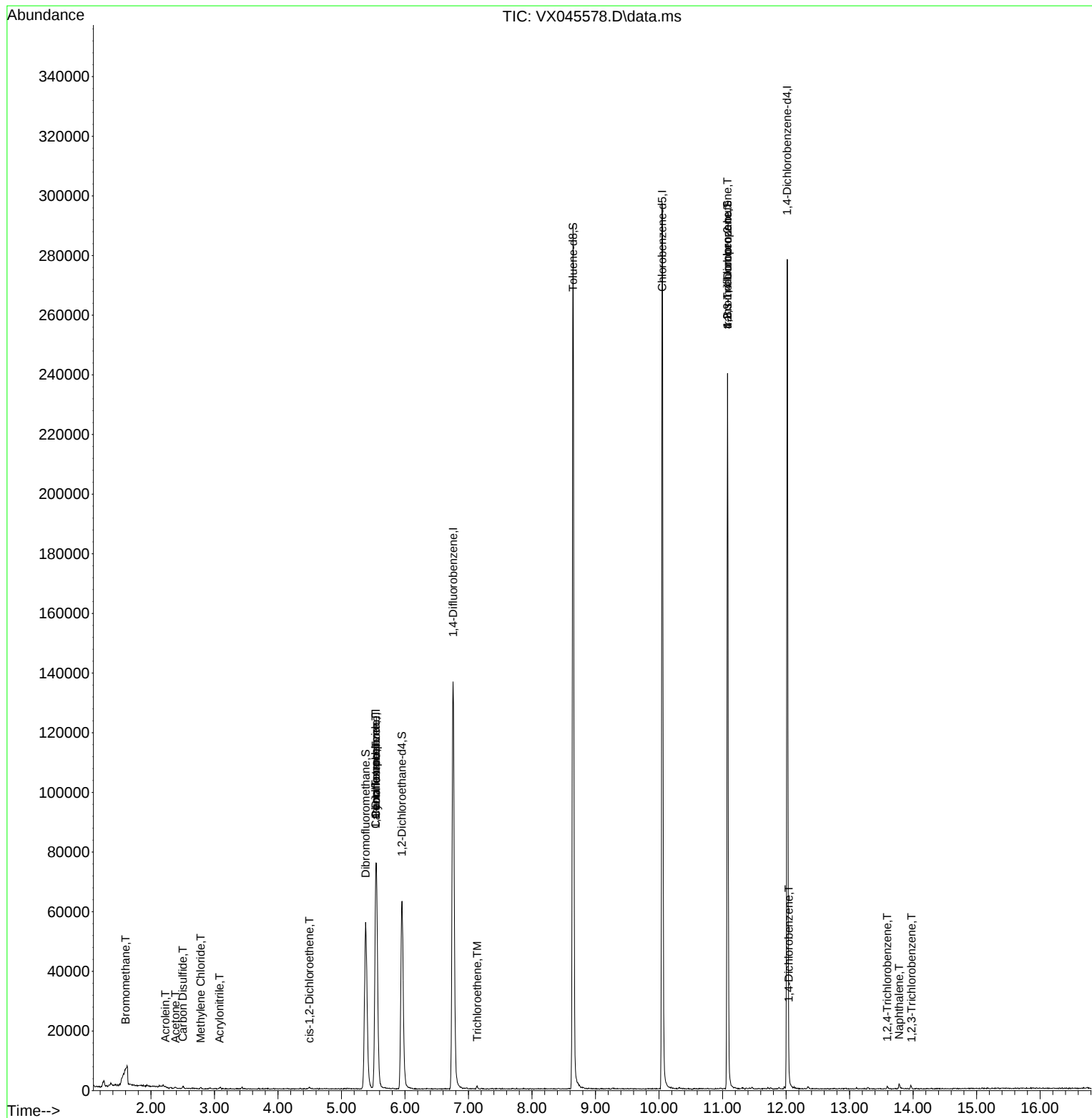
Target Compounds			Qvalue			
5) Bromomethane	1.599	94	193	0.432	ug/l #	59
13) Acrolein	2.227	56	83	0.366	ug/l #	56
15) Acrylonitrile	3.081	53	142	0.273	ug/l #	24
16) Acetone	2.386	43	416	0.827	ug/l #	47
17) Carbon Disulfide	2.502	76	971	0.489	ug/l #	76
20) Methylene Chloride	2.782	84	252	0.268	ug/l #	73
27) cis-1,2-Dichloroethene	4.495	96	304	0.304	ug/l	57
31) Cyclohexane	5.544	56	2091	1.392	ug/l #	32
36) 1,1-Dichloropropene	5.538	75	6530	5.202	ug/l #	49
38) Carbon Tetrachloride	5.538	117	7751	5.713	ug/l #	16
44) Trichloroethene	7.135	130	280	0.307	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	35914	28.930	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35914	98.186	ug/l #	1
88) 1,4-Dichlorobenzene	12.042	146	573	0.330	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.591	180	285	0.300	ug/l #	78
95) Naphthalene	13.780	128	1856	0.526	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.975	180	401	0.404	ug/l	86

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

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Response via : Initial Calibration

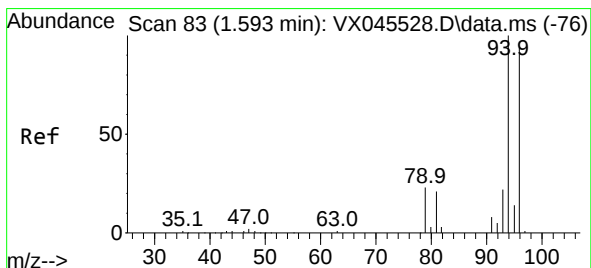
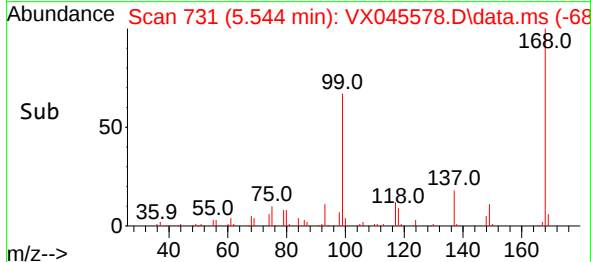
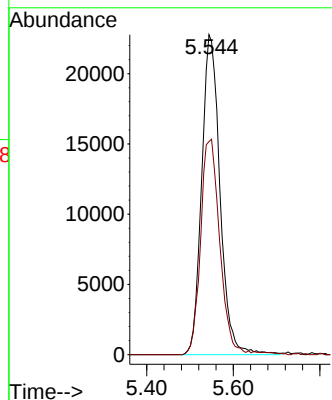
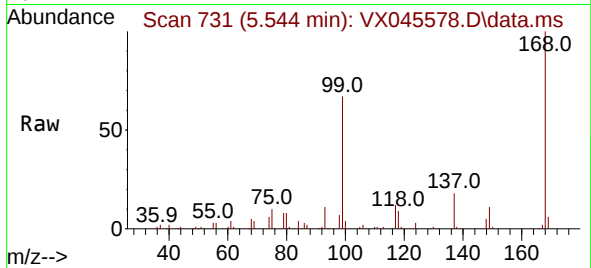




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045578.D
Acq: 03 Apr 2025 17:56

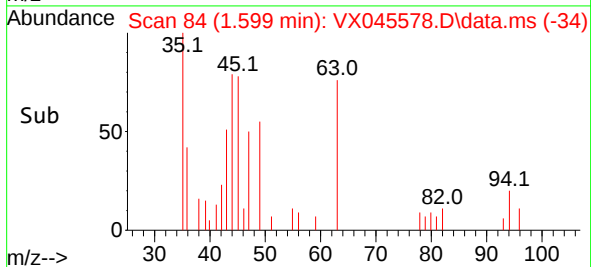
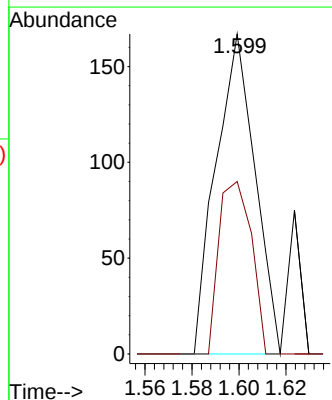
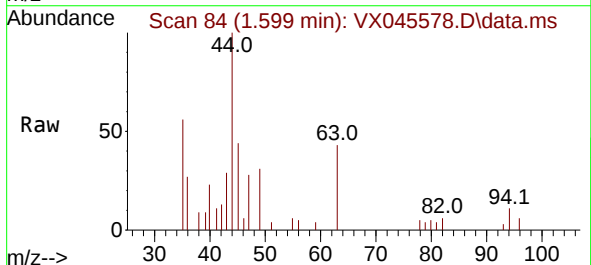
Instrument :
MSVOA_X
ClientSampleId :
IBLK

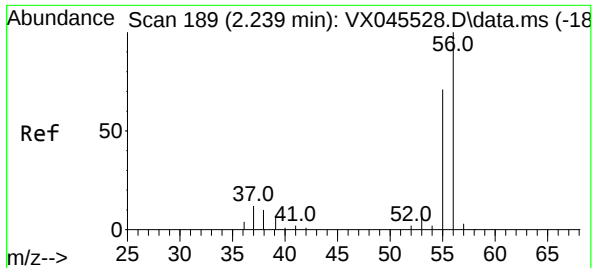
Tgt Ion:168 Resp: 66968
Ion Ratio Lower Upper
168 100
99 66.6 52.3 78.5



#5
Bromomethane
Concen: 0.432 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045578.D
Acq: 03 Apr 2025 17:56

Tgt Ion: 94 Resp: 193
Ion Ratio Lower Upper
94 100
96 53.9 74.8 112.2#

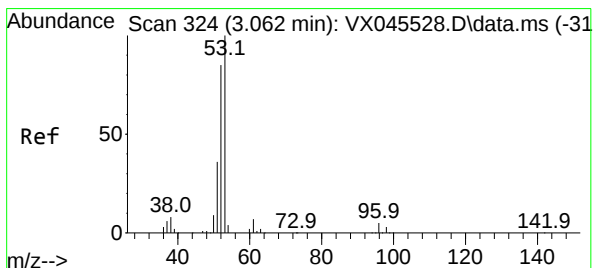
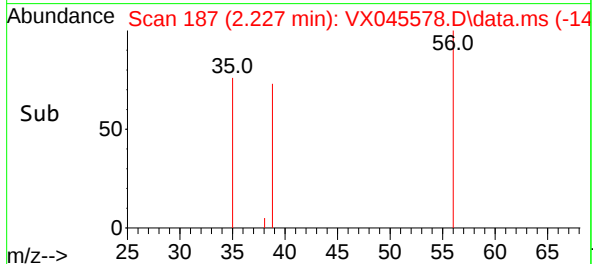
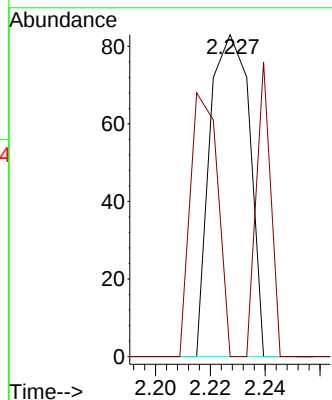
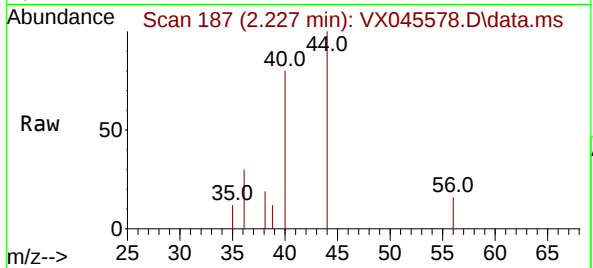




#13
Acrolein
Concen: 0.366 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX045578.D
Acq: 03 Apr 2025 17:56

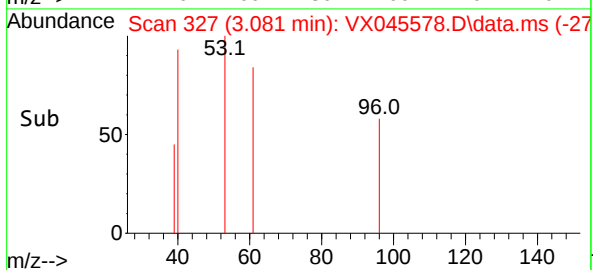
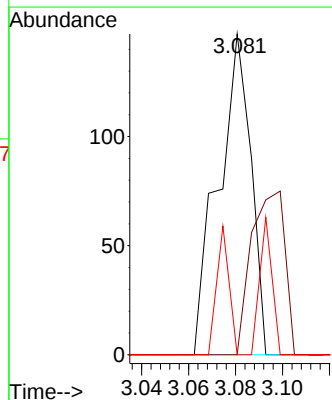
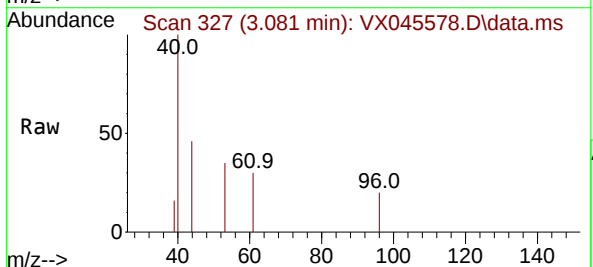
Instrument :
MSVOA_X
ClientSampleId :
IBLK

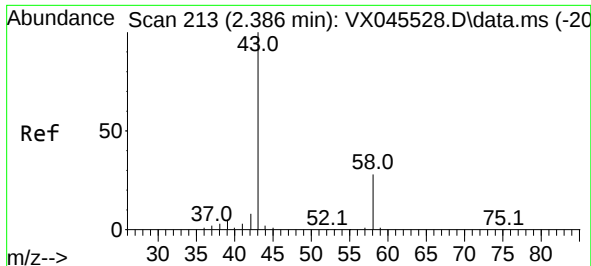
Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
55 33.7 56.2 84.2#



#15
Acrylonitrile
Concen: 0.273 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.018 min
Lab File: VX045578.D
Acq: 03 Apr 2025 17:56

Tgt Ion: 53 Resp: 142
Ion Ratio Lower Upper
53 100
52 0.0 67.4 101.2#
51 15.5 29.9 44.9#

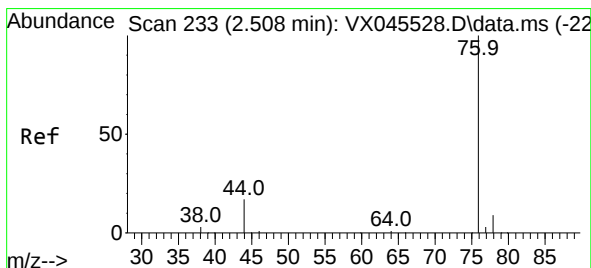
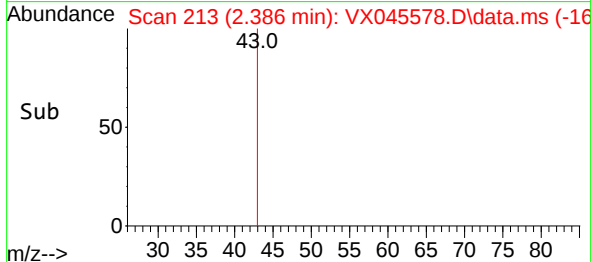
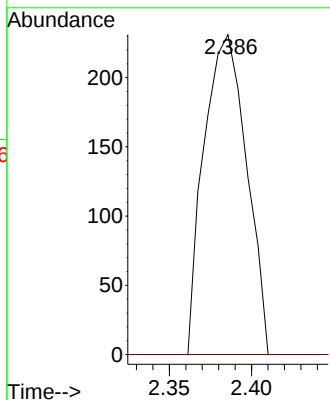
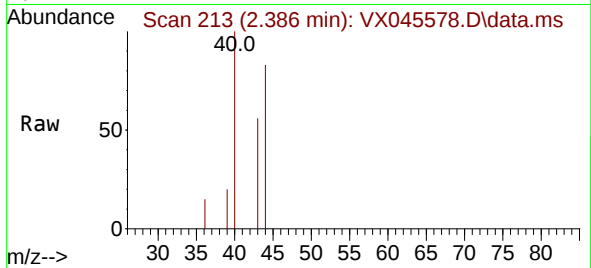




#16
Acetone
Concen: 0.827 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045578.D
Acq: 03 Apr 2025 17:56

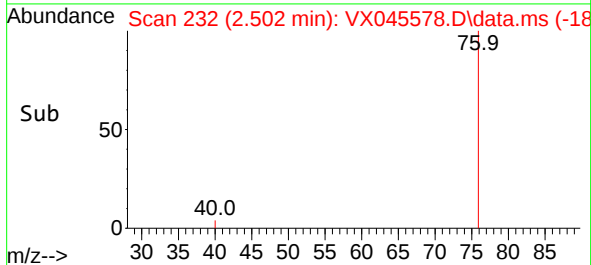
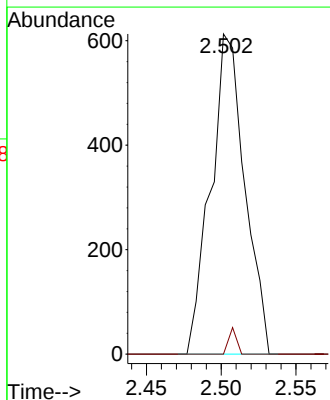
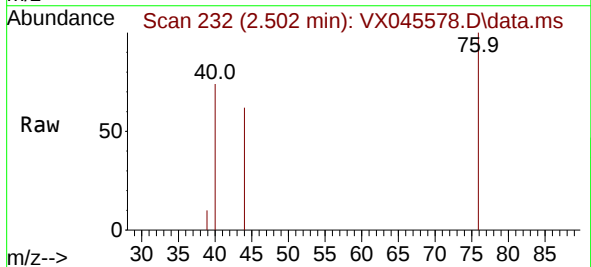
Instrument :
MSVOA_X
ClientSampleId :
IBLK

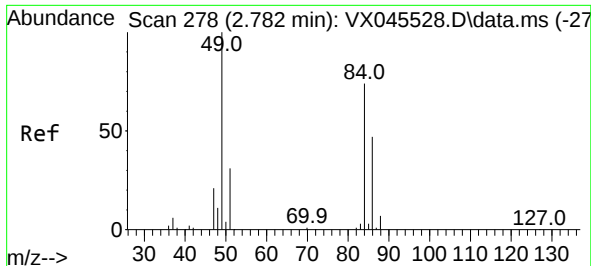
Tgt Ion: 43 Resp: 416
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#



#17
Carbon Disulfide
Concen: 0.489 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.006 min
Lab File: VX045578.D
Acq: 03 Apr 2025 17:56

Tgt Ion: 76 Resp: 971
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

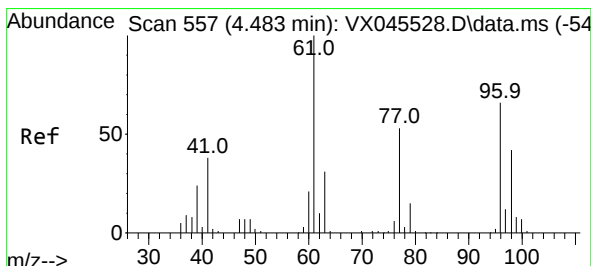
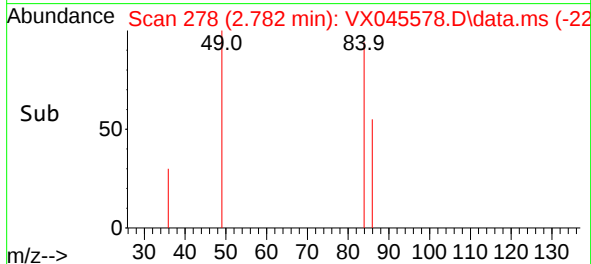
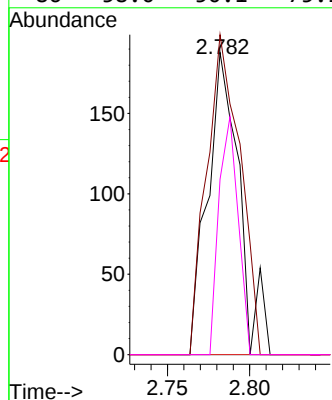
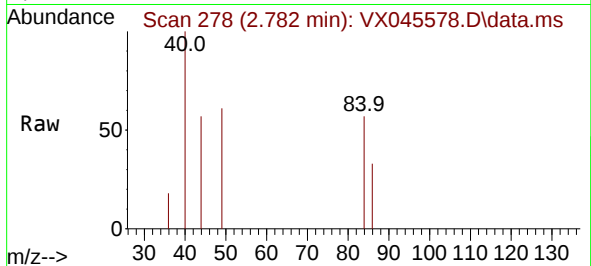




#20
Methylene Chloride
Concen: 0.268 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045578.D
Acq: 03 Apr 2025 17:56

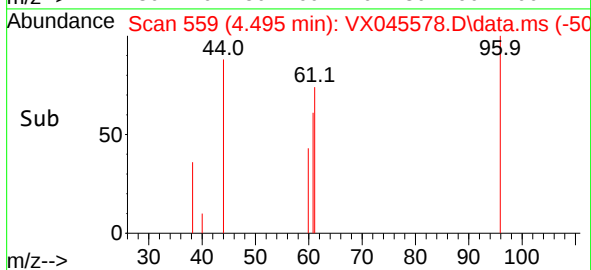
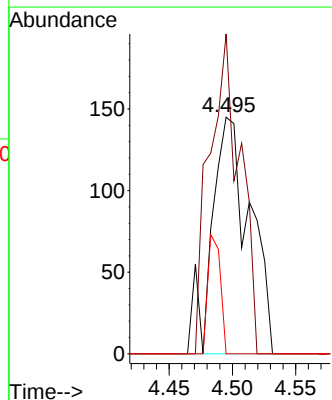
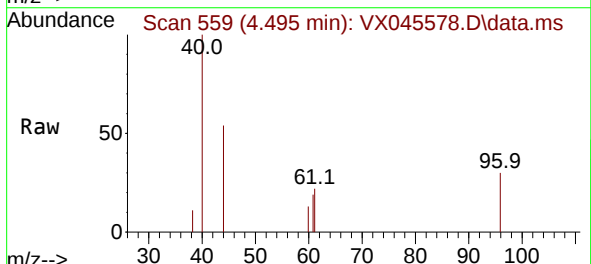
Instrument :
MSVOA_X
ClientSampleId :
IBLK

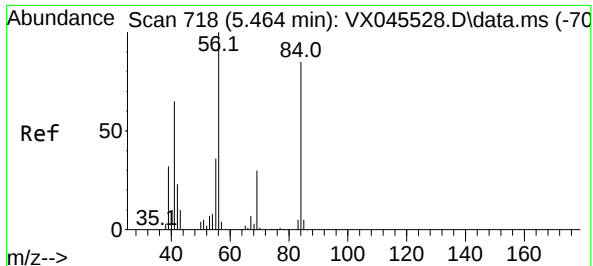
Tgt Ion:	84	Resp:	252
Ion	Ratio	Lower	Upper
84	100		
49	105.9	107.5	161.3#
51	0.0	33.0	49.6#
86	58.0	50.1	75.1



#27
cis-1,2-Dichloroethene
Concen: 0.304 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX045578.D
Acq: 03 Apr 2025 17:56

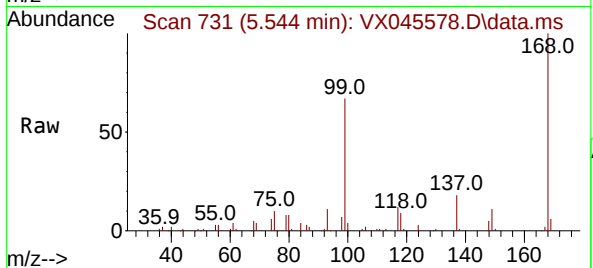
Tgt Ion:	96	Resp:	304
Ion	Ratio	Lower	Upper
96	100		
61	109.5	0.0	313.2
98	16.4	0.0	126.4



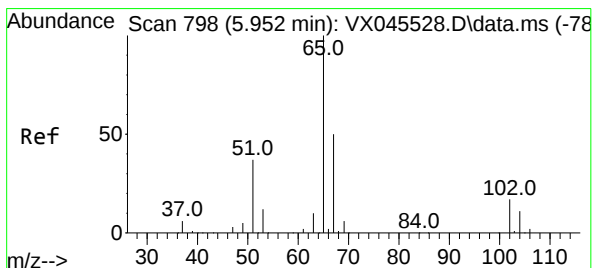
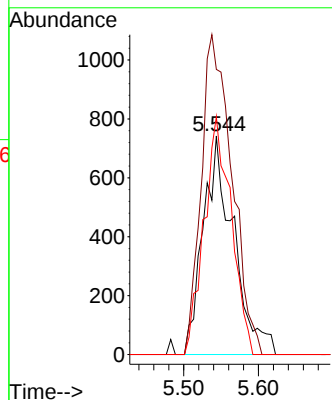
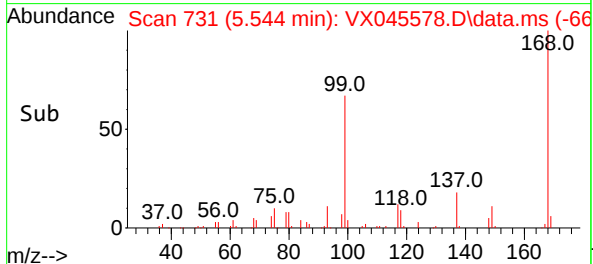


#31
Cyclohexane
Concen: 1.392 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045578.D
Acq: 03 Apr 2025 17:56

Instrument :
MSVOA_X
ClientSampleId :
IBLK

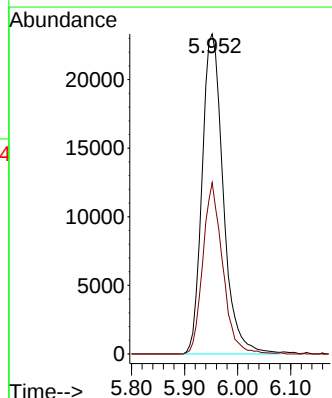
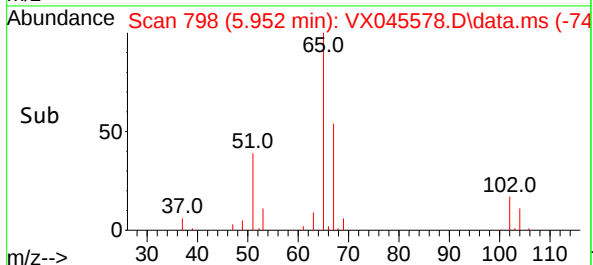
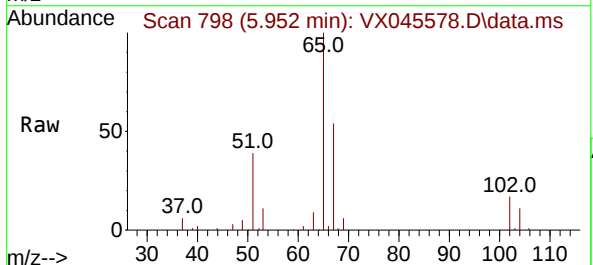


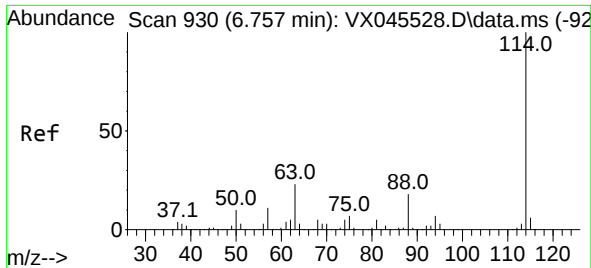
Tgt Ion: 56 Resp: 2091
Ion Ratio Lower Upper
56 100
69 130.5 23.6 35.4#
84 108.9 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 52.698 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045578.D
Acq: 03 Apr 2025 17:56

Tgt Ion: 65 Resp: 64538
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.0

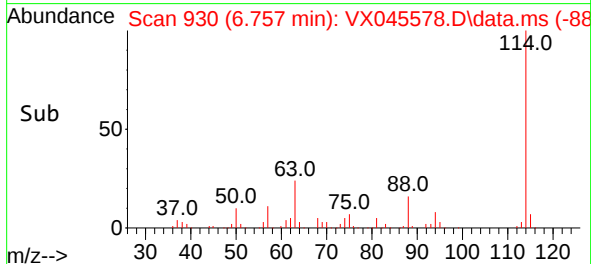
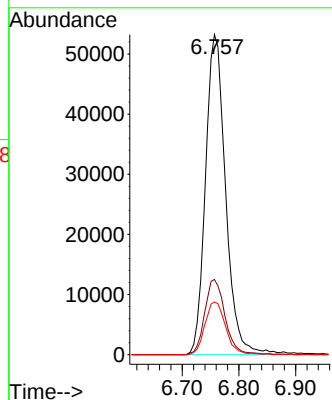
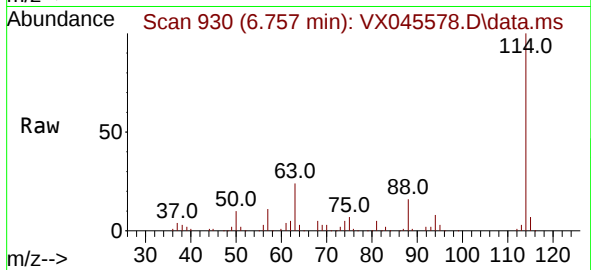




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045578.D
Acq: 03 Apr 2025 17:56

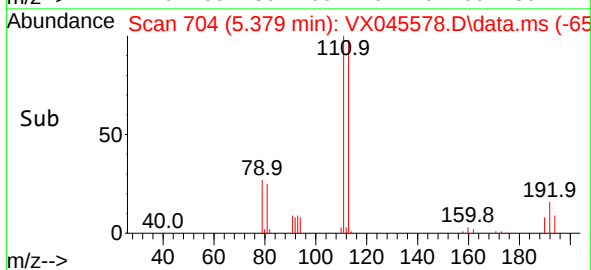
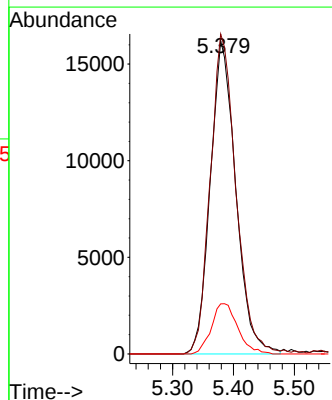
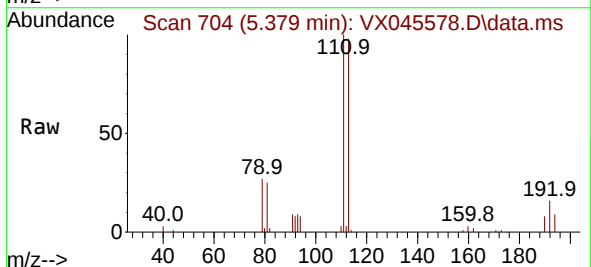
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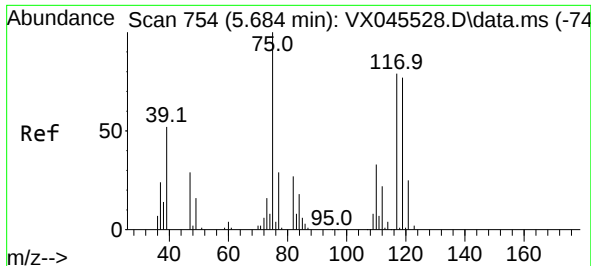
Tgt Ion:114 Resp: 131037
Ion Ratio Lower Upper
114 100
63 23.5 0.0 46.8
88 16.5 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.563 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045578.D
Acq: 03 Apr 2025 17:56

Tgt Ion:113 Resp: 47009
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.6
192 16.7 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.202 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX045578.D

Acq: 03 Apr 2025 17:56

Instrument :

MSVOA_X

ClientSampleId :

IBLK

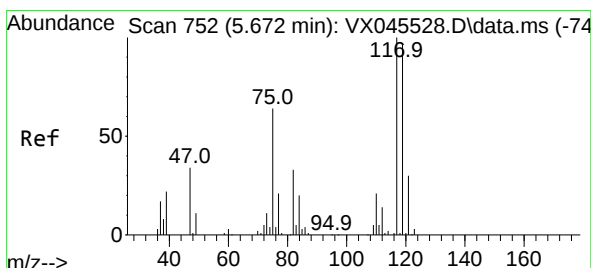
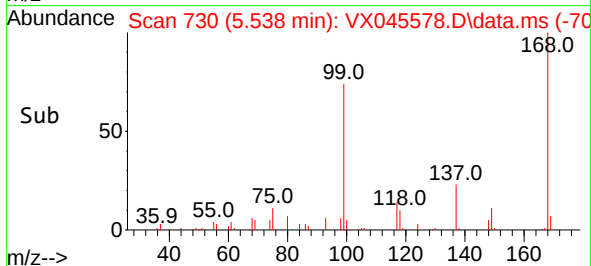
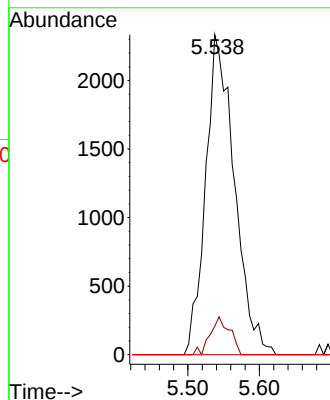
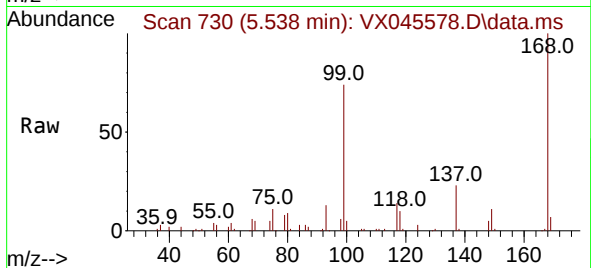
Tgt Ion: 75 Resp: 6530

Ion Ratio Lower Upper

75 100

110 8.0 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.713 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.134 min

Lab File: VX045578.D

Acq: 03 Apr 2025 17:56

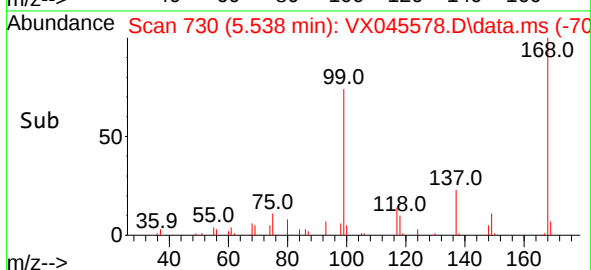
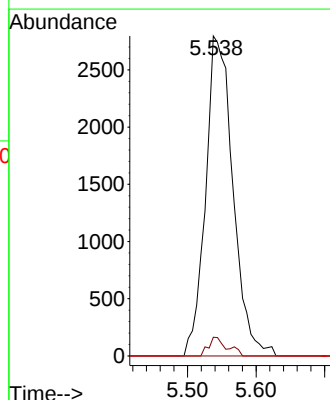
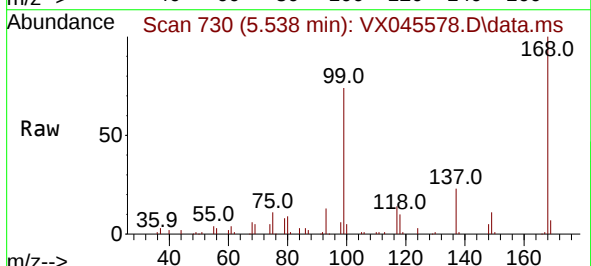
Tgt Ion: 117 Resp: 7751

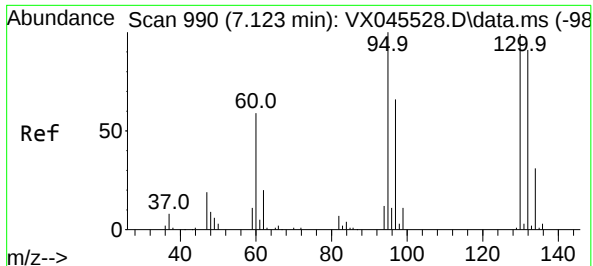
Ion Ratio Lower Upper

117 100

119 5.9 76.9 115.3#

121 0.0 24.2 36.2#

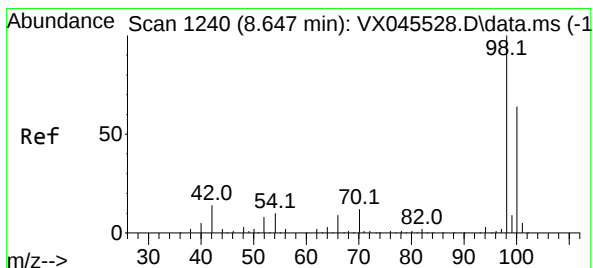
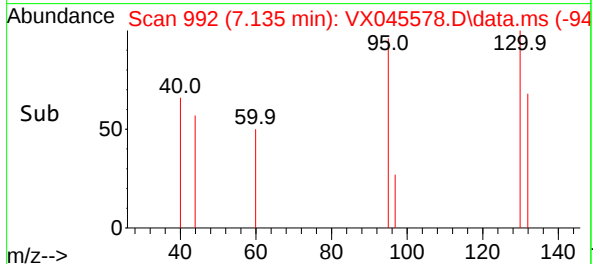
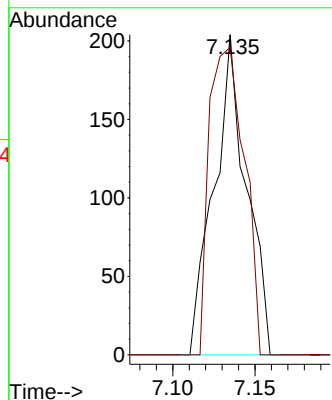
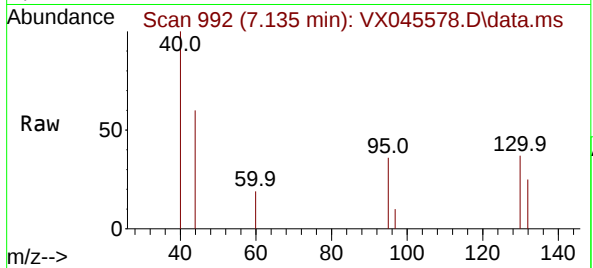




#44
 Trichloroethene
 Concen: 0.307 ug/l
 RT: 7.135 min Scan# 991
 Delta R.T. 0.012 min
 Lab File: VX045578.D
 Acq: 03 Apr 2025 17:56

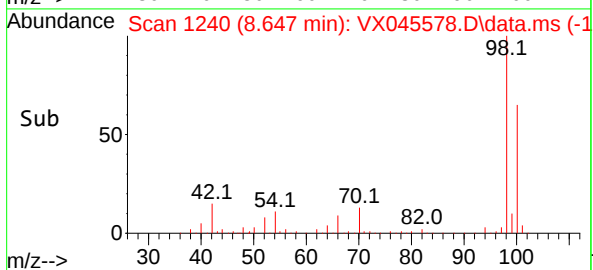
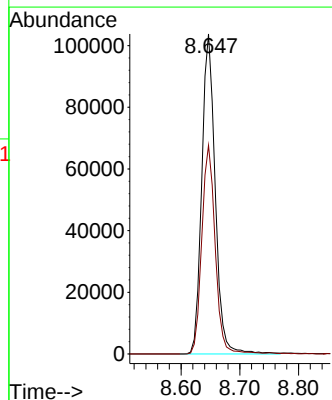
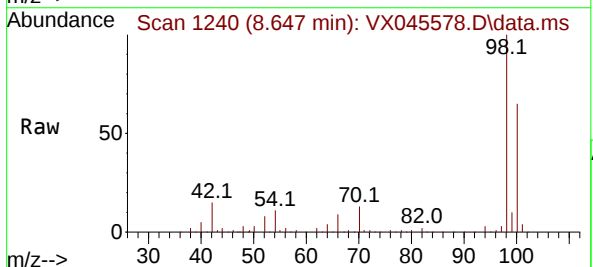
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

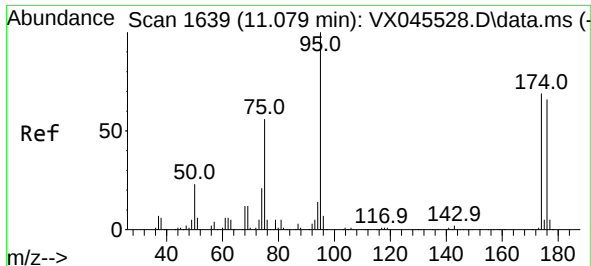
Tgt Ion:130 Resp: 280
 Ion Ratio Lower Upper
 130 100
 95 96.1 0.0 202.0



#50
 Toluene-d8
 Concen: 50.920 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.000 min
 Lab File: VX045578.D
 Acq: 03 Apr 2025 17:56

Tgt Ion: 98 Resp: 165239
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.2 78.4

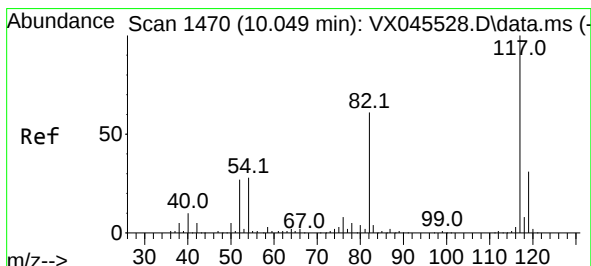
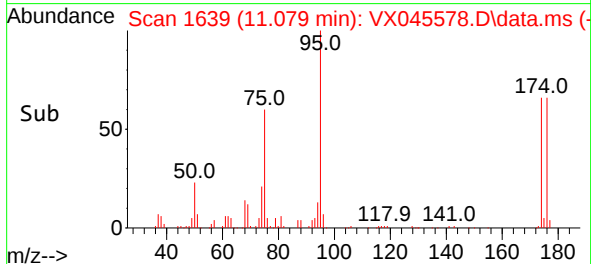
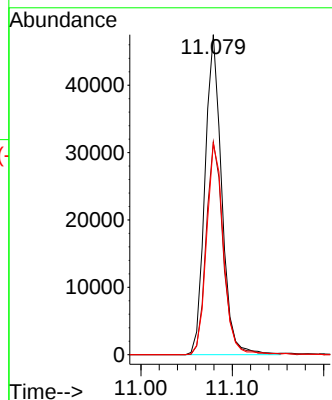
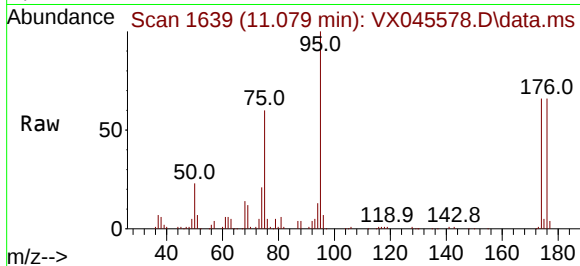




#62
4-Bromofluorobenzene
Concen: 50.926 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045578.D
Acq: 03 Apr 2025 17:56

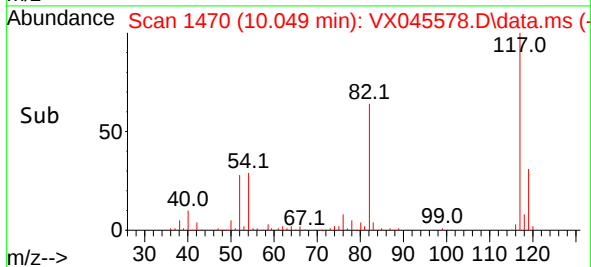
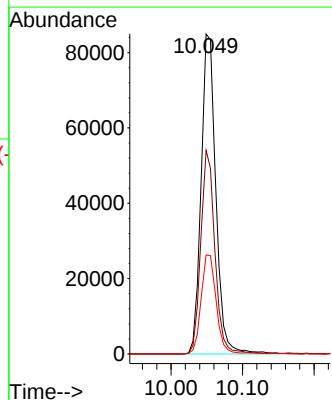
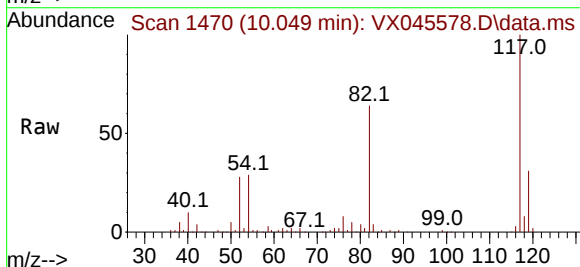
Instrument :
MSVOA_X
ClientSampleId :
IBLK

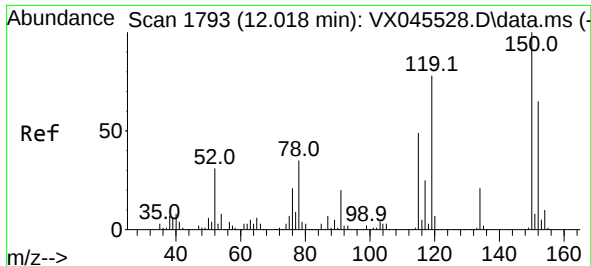
Tgt Ion: 95 Resp: 60195
Ion Ratio Lower Upper
95 100
174 67.7 0.0 135.8
176 66.9 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045578.D
Acq: 03 Apr 2025 17:56

Tgt Ion: 117 Resp: 121619
Ion Ratio Lower Upper
117 100
82 63.6 49.2 73.8
119 30.9 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045578.D

Acq: 03 Apr 2025 17:56

Instrument :

MSVOA_X

ClientSampleId :

IBLK

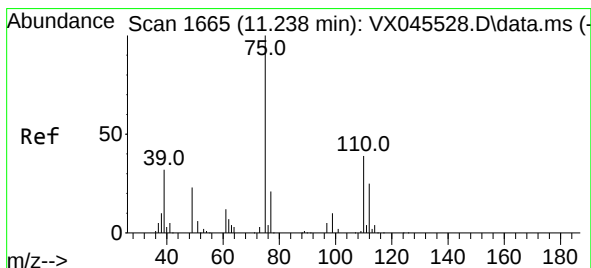
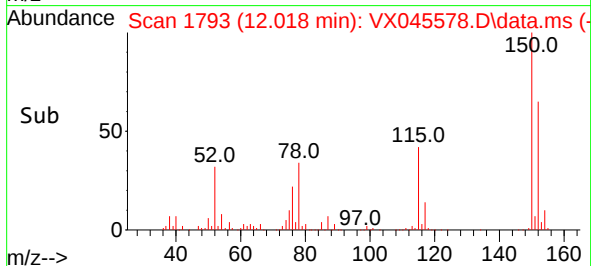
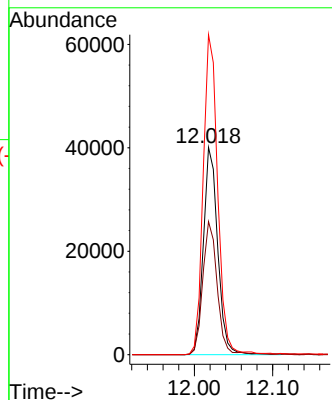
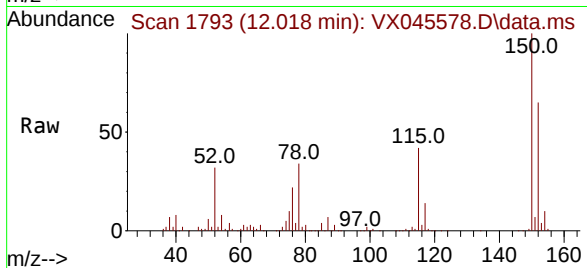
Tgt Ion:152 Resp: 50893

Ion Ratio Lower Upper

152 100

115 64.7 46.9 140.7

150 156.3 0.0 349.4



#76

1,2,3-Trichloropropane

Concen: 28.930 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045578.D

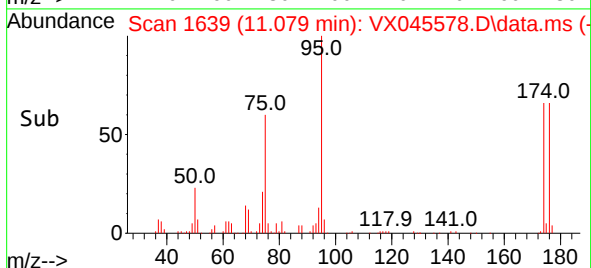
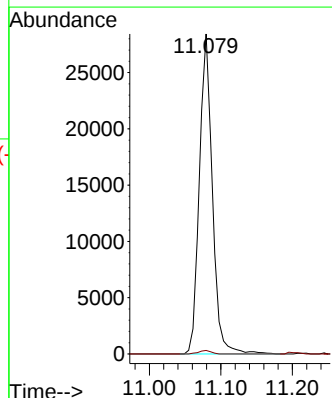
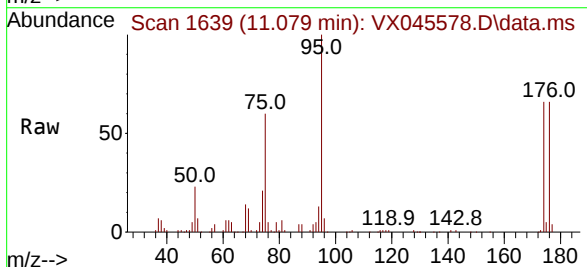
Acq: 03 Apr 2025 17:56

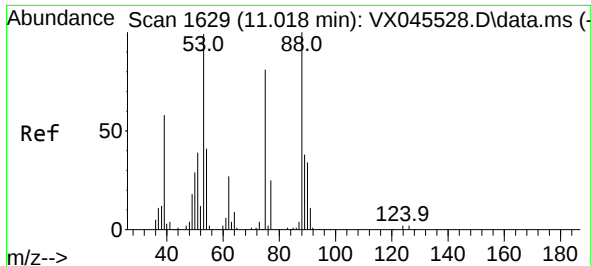
Tgt Ion: 75 Resp: 35914

Ion Ratio Lower Upper

75 100

77 1.0 20.0 59.9#

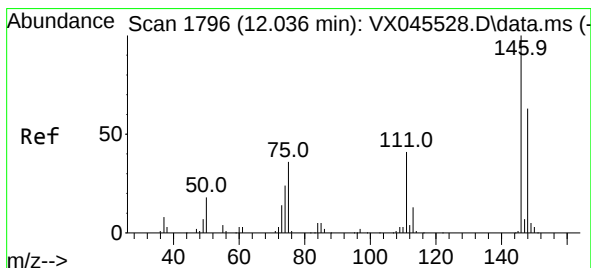
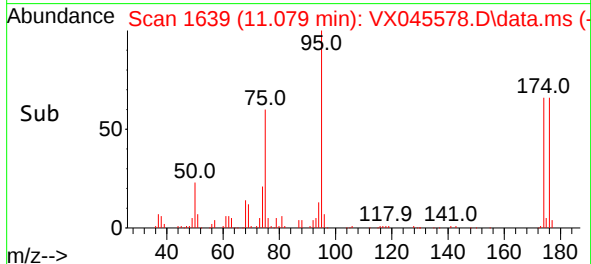
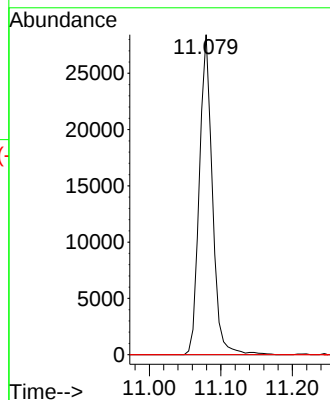
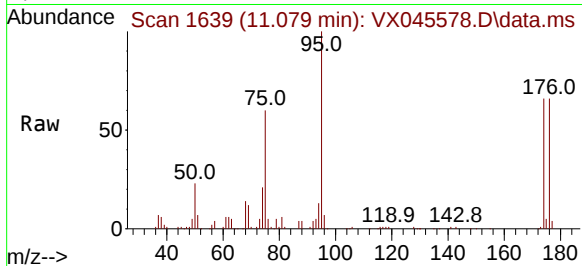




#81
trans-1,4-Dichloro-2-butene
Concen: 98.186 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045578.D
Acq: 03 Apr 2025 17:56

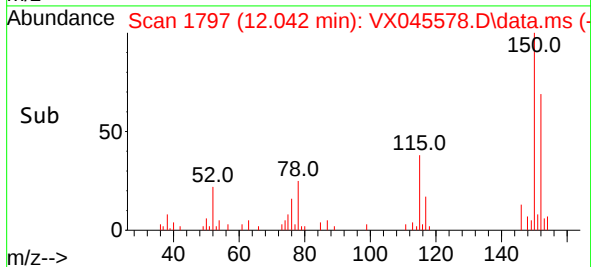
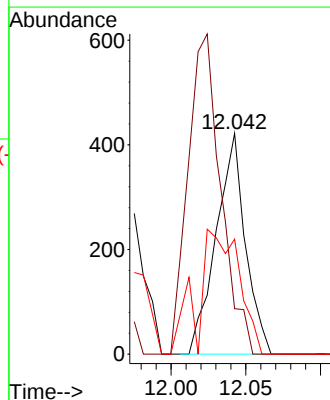
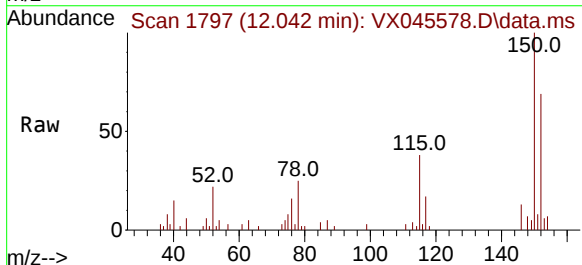
Instrument :
MSVOA_X
ClientSampleId :
IBLK

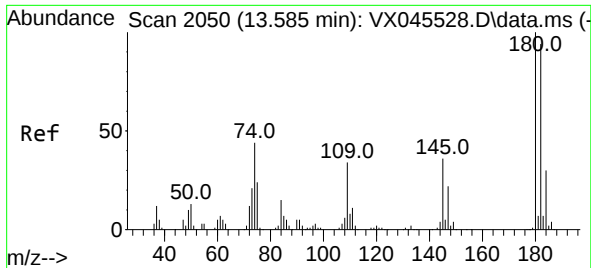
Tgt Ion: 75 Resp: 35914
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#88
1,4-Dichlorobenzene
Concen: 0.330 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045578.D
Acq: 03 Apr 2025 17:56

Tgt Ion:146 Resp: 573
Ion Ratio Lower Upper
146 100
111 162.5 20.9 62.8#
148 80.3 31.5 94.5

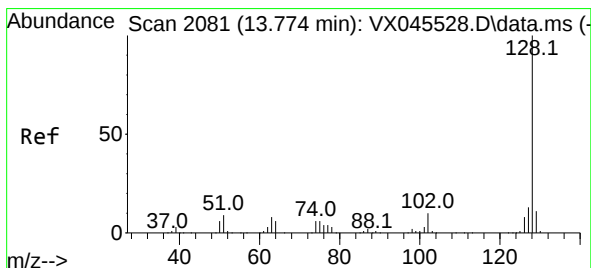
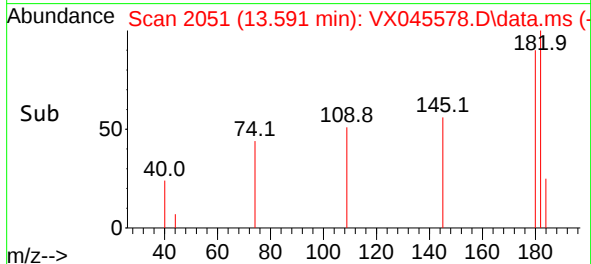
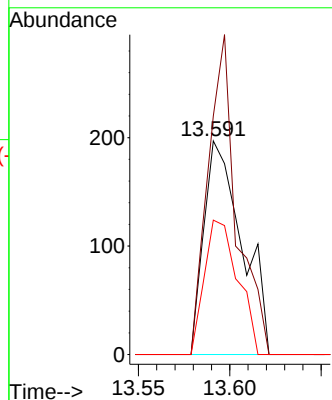
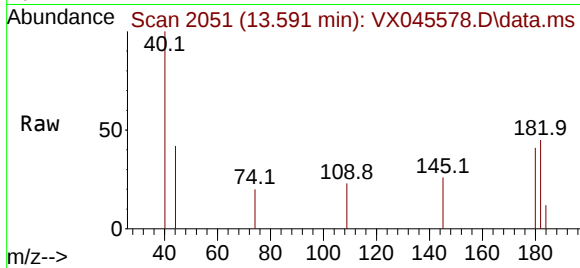




#93
1,2,4-Trichlorobenzene
Concen: 0.300 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX045578.D
Acq: 03 Apr 2025 17:56

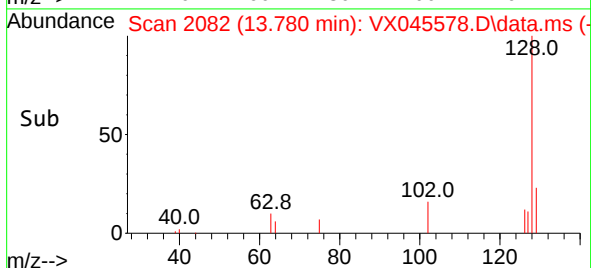
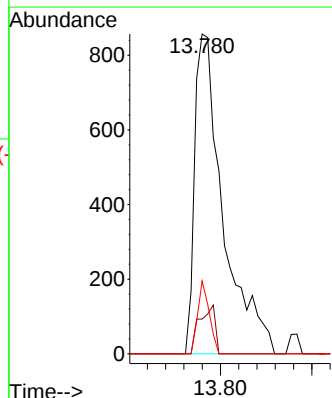
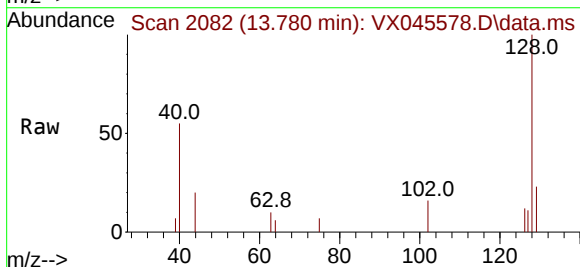
Instrument :
MSVOA_X
ClientSampleId :
IBLK

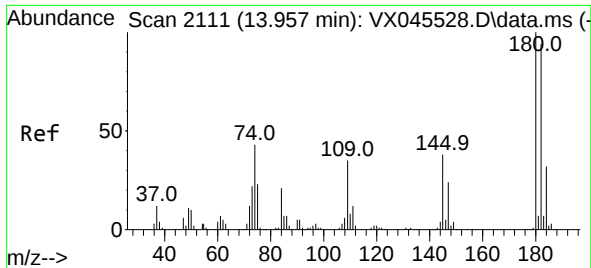
Tgt Ion:180 Resp: 285
Ion Ratio Lower Upper
180 100
182 113.0 47.9 143.6
145 55.4 17.9 53.8#



#95
Naphthalene
Concen: 0.526 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045578.D
Acq: 03 Apr 2025 17:56

Tgt Ion:128 Resp: 1856
Ion Ratio Lower Upper
128 100
127 8.4 10.3 15.5#
129 9.2 8.6 12.8





#96

1,2,3-Trichlorobenzene

Concen: 0.404 ug/l

RT: 13.975 min Scan# 21

Delta R.T. 0.018 min

Lab File: VX045578.D

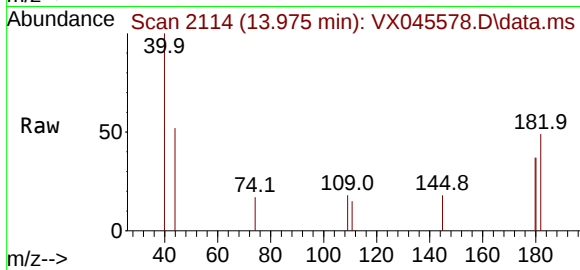
Acq: 03 Apr 2025 17:56

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion:180 Resp: 401

Ion Ratio Lower Upper

180 100

182 104.2 47.3 141.8

145 21.4 18.2 54.6

