

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
 Data File : VX047492.D
 Acq On : 22 Aug 2025 13:16
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Aug 25 01:27:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	270226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	553124	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	542121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	267843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	215243	56.914	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 113.820%		
35) Dibromofluoromethane	5.397	113	181888	50.668	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.340%		
50) Toluene-d8	8.653	98	640771	49.939	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 99.880%		
62) 4-Bromofluorobenzene	11.079	95	258350	54.563	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 109.120%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	318	0.202	ug/l #	80
6) Chloroethane	1.727	64	524	0.220	ug/l #	44
10) Methyl Iodide	2.477	142	1640	0.287	ug/l #	81
11) Tert butyl alcohol	2.952	59	326	0.991	ug/l #	72
16) Acetone	2.392	43	3660	2.575	ug/l #	74
17) Carbon Disulfide	2.532	76	2256	0.220	ug/l	98
31) Cyclohexane	5.562	56	5619	0.923	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	23172	4.089	ug/l #	51
38) Carbon Tetrachloride	5.562	117	29125	4.703	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	134448	27.368	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	134448	108.117	ug/l #	7

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

Quant Time: Aug 25 01:27:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

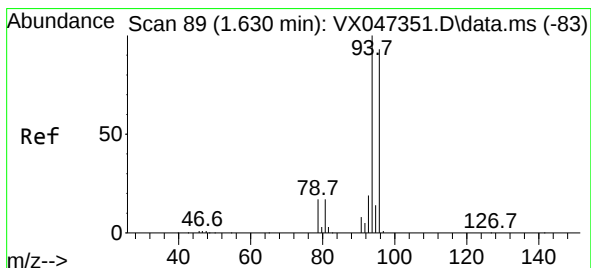
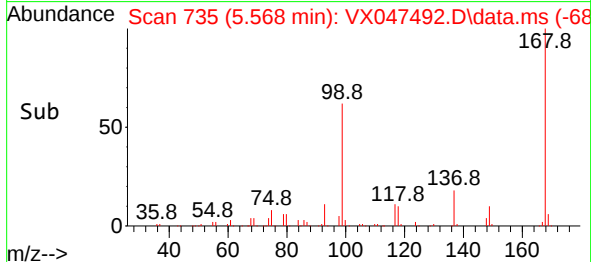
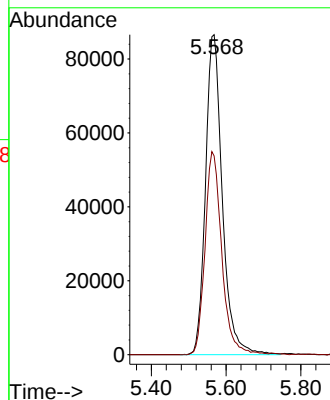
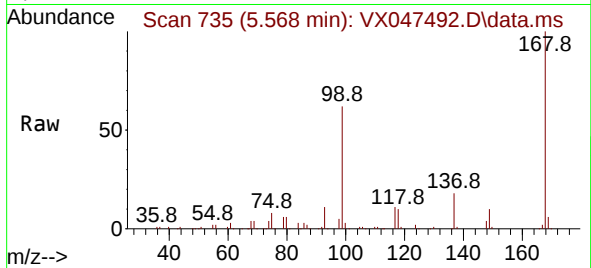




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047492.D
Acq: 22 Aug 2025 13:16

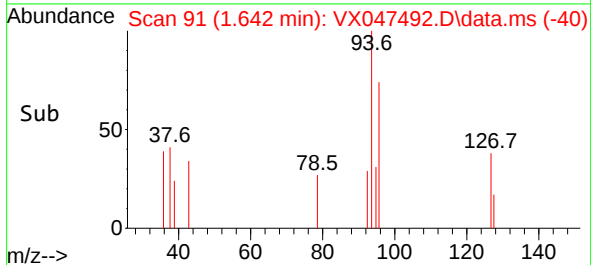
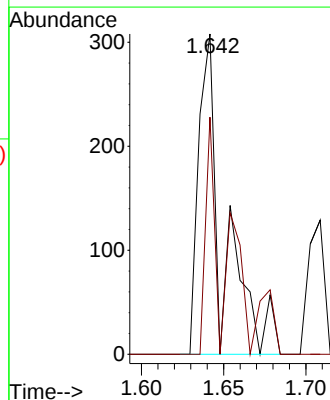
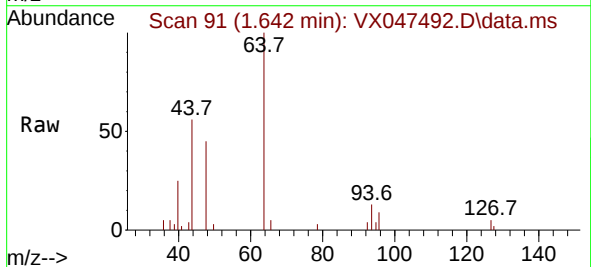
Instrument : MSVOA_X
Client Sample Id : IBLK

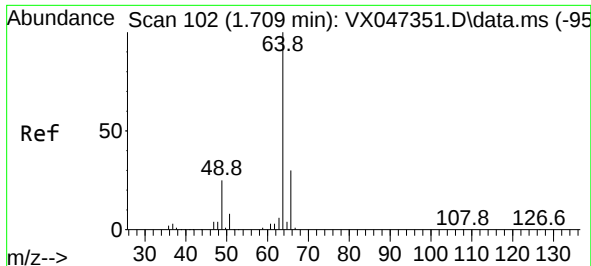
Tgt Ion: 168 Resp: 270226
Ion Ratio Lower Upper
168 100
99 62.1 47.9 71.9



#5
Bromomethane
Concen: 0.202 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX047492.D
Acq: 22 Aug 2025 13:16

Tgt Ion: 94 Resp: 318
Ion Ratio Lower Upper
94 100
96 74.0 74.7 112.1#

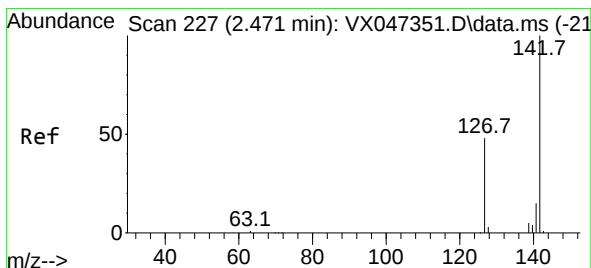
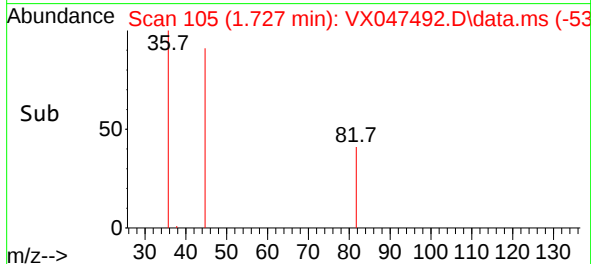
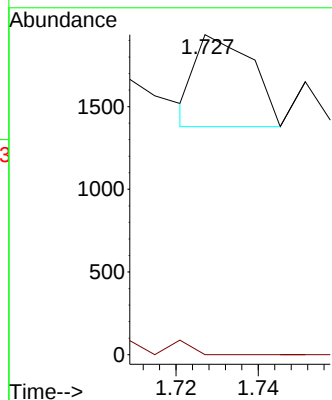
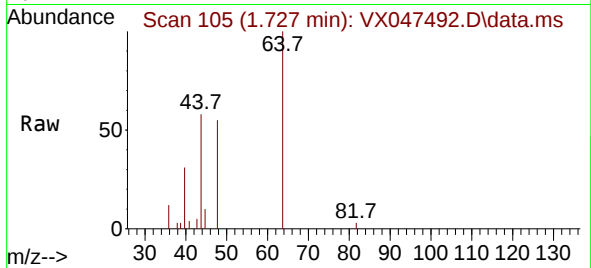




#6
Chloroethane
Concen: 0.220 ug/l
RT: 1.727 min Scan# 10
Delta R.T. 0.018 min
Lab File: VX047492.D
Acq: 22 Aug 2025 13:16

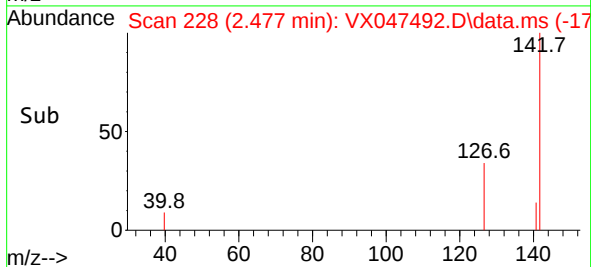
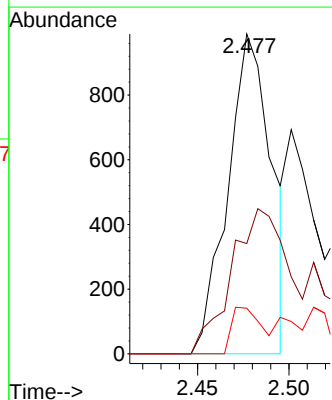
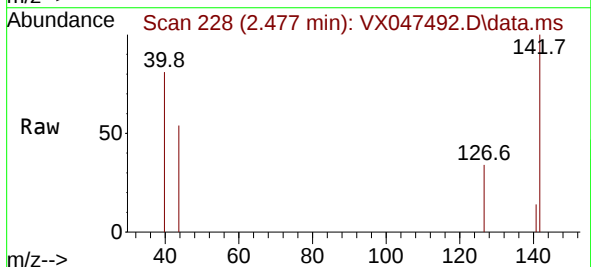
Instrument :
MSVOA_X
ClientSampleId :
IBLK

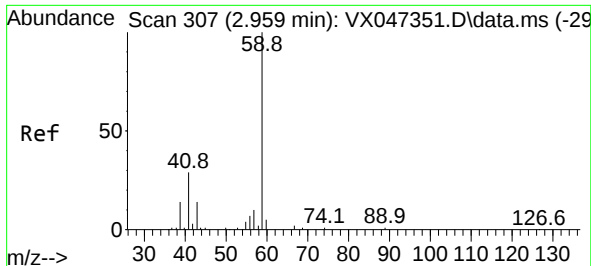
Tgt Ion: 64 Resp: 524
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#10
Methyl Iodide
Concen: 0.287 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047492.D
Acq: 22 Aug 2025 13:16

Tgt Ion:142 Resp: 1640
Ion Ratio Lower Upper
142 100
127 59.0 36.1 54.1#
141 9.9 11.1 16.7#





#11

Tert butyl alcohol

Concen: 0.991 ug/l

RT: 2.952 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX047492.D

Acq: 22 Aug 2025 13:16

Instrument :

MSVOA_X

ClientSampleId :

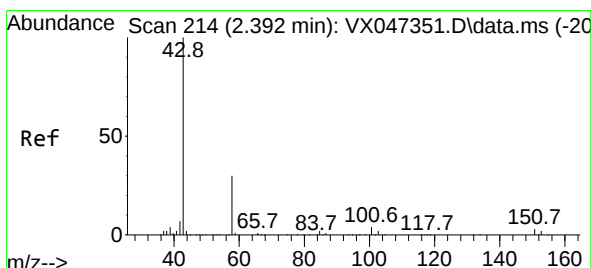
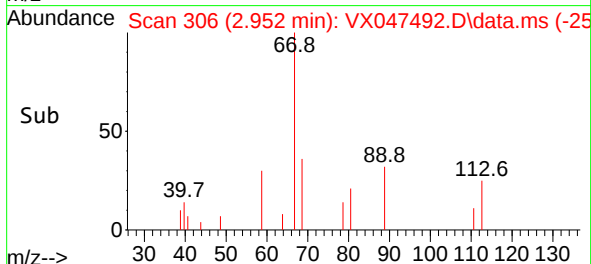
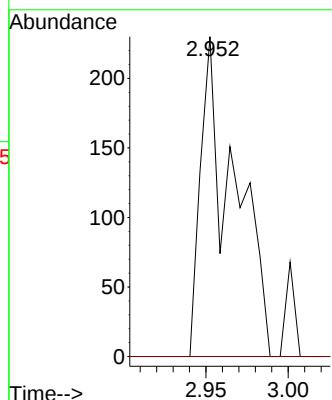
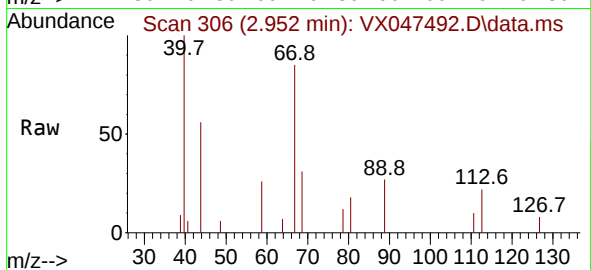
IBLK

Tgt Ion: 59 Resp: 326

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 2.575 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX047492.D

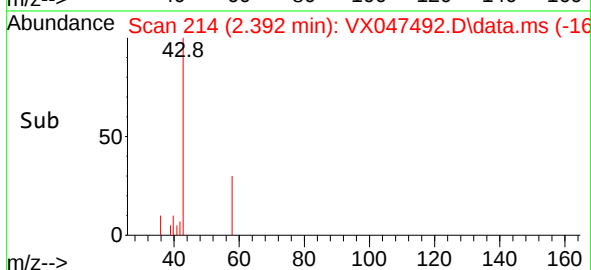
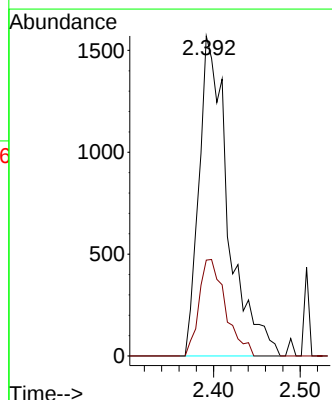
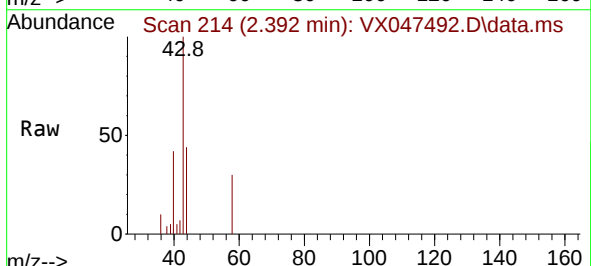
Acq: 22 Aug 2025 13:16

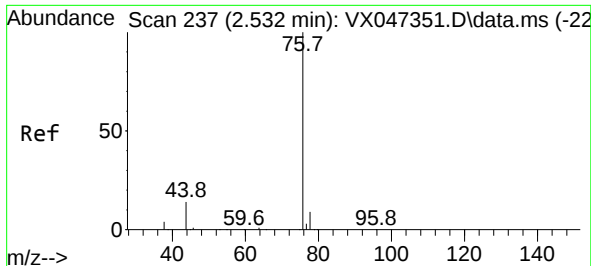
Tgt Ion: 43 Resp: 3660

Ion Ratio Lower Upper

43 100

58 45.6 24.8 37.2#

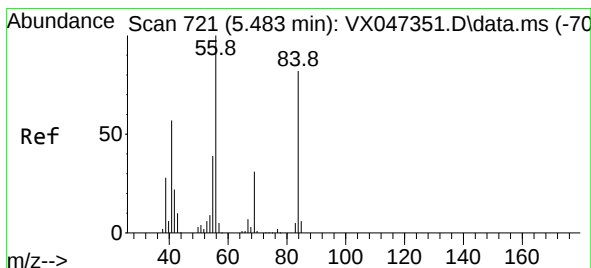
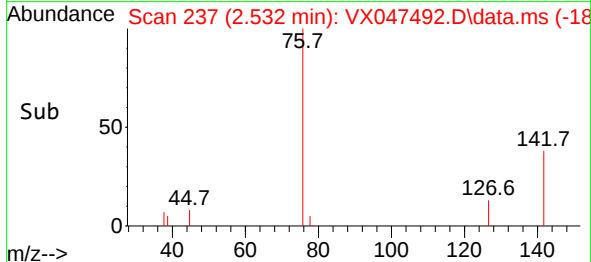
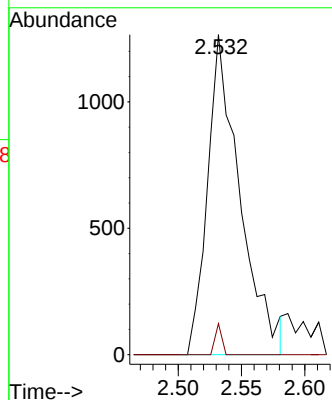
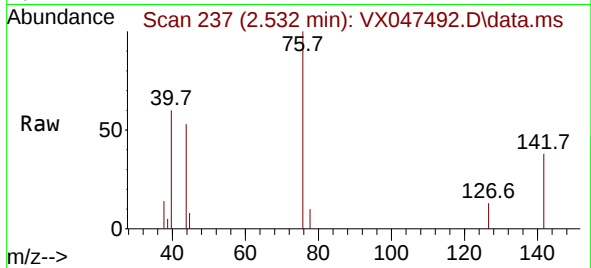




#17
Carbon Disulfide
Concen: 0.220 ug/l
RT: 2.532 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047492.D
Acq: 22 Aug 2025 13:16

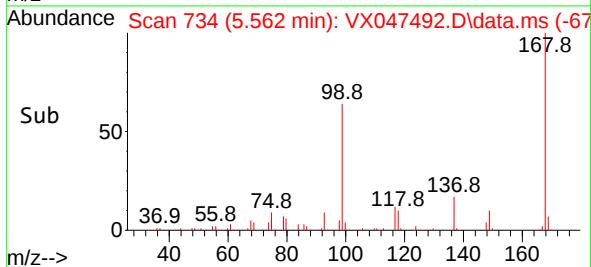
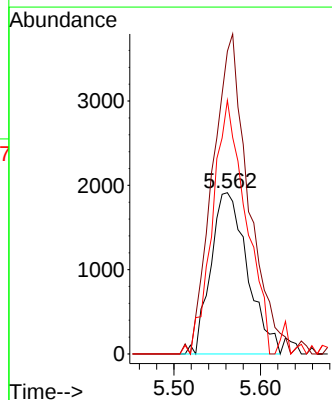
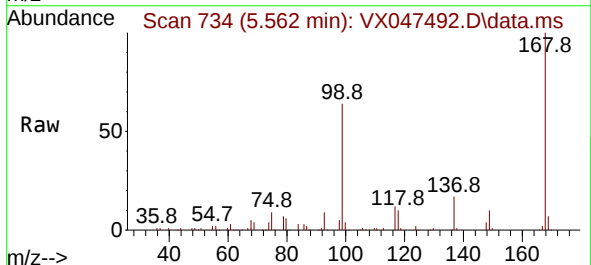
Instrument :
MSVOA_X
ClientSampleId :
IBLK

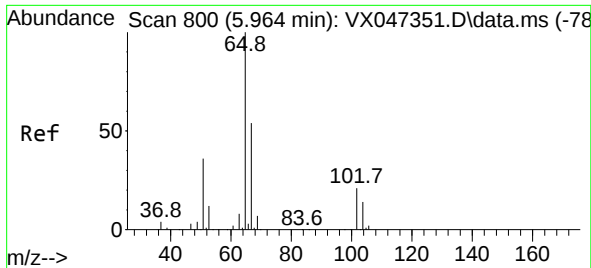
Tgt Ion: 76 Resp: 2256
Ion Ratio Lower Upper
76 100
78 9.7 7.2 10.8



#31
Cyclohexane
Concen: 0.923 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX047492.D
Acq: 22 Aug 2025 13:16

Tgt Ion: 56 Resp: 5619
Ion Ratio Lower Upper
56 100
69 187.7 24.3 36.5#
84 157.2 65.3 97.9#

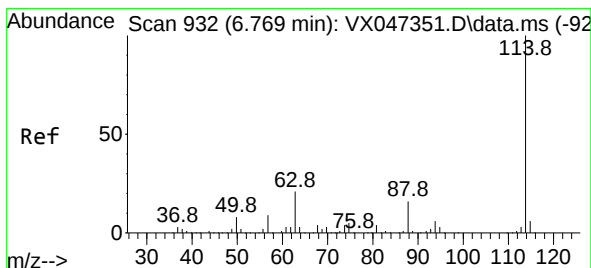
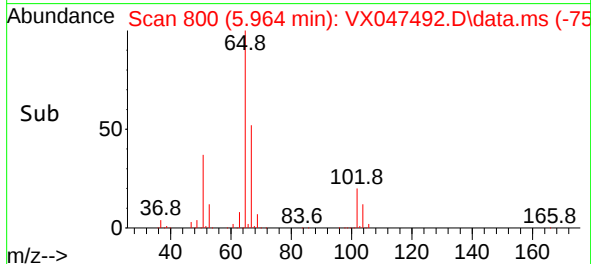
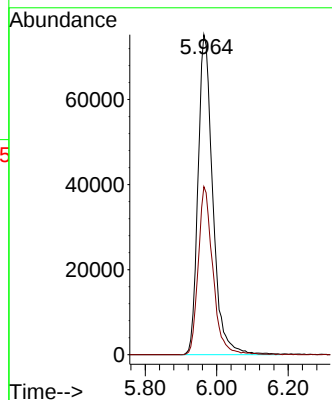
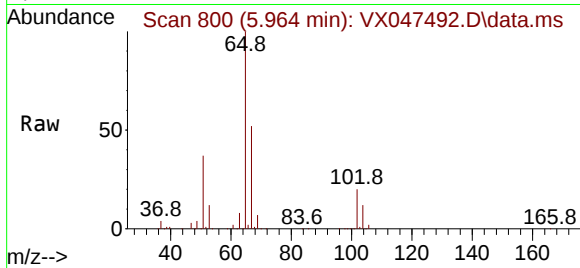




#33
 1,2-Dichloroethane-d4
 Concen: 56.914 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. -0.000 min
 Lab File: VX047492.D
 Acq: 22 Aug 2025 13:16

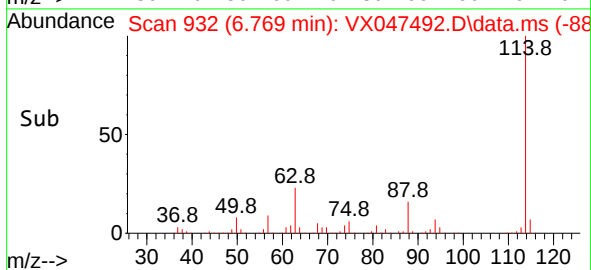
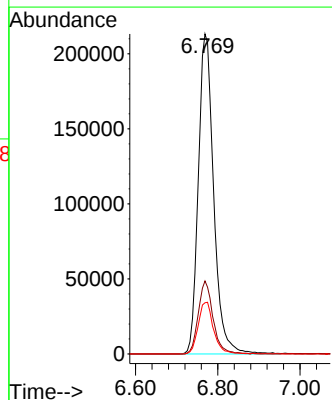
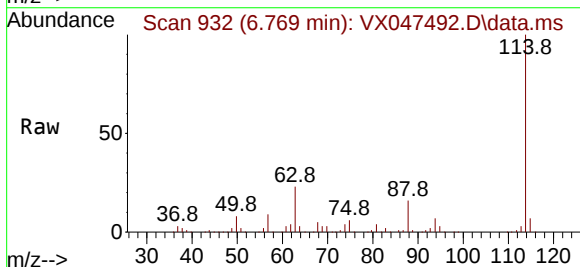
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

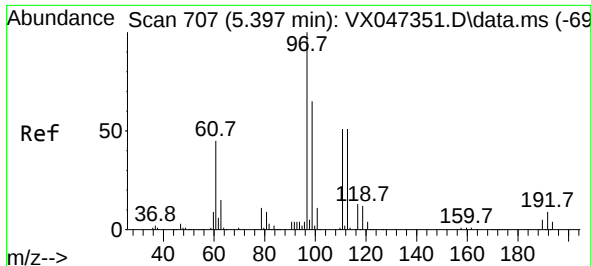
Tgt Ion: 65 Resp: 215243
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX047492.D
 Acq: 22 Aug 2025 13:16

Tgt Ion: 114 Resp: 553124
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 42.4
 88 16.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.668 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX047492.D

Acq: 22 Aug 2025 13:16

Instrument :

MSVOA_X

ClientSampleId :

IBLK

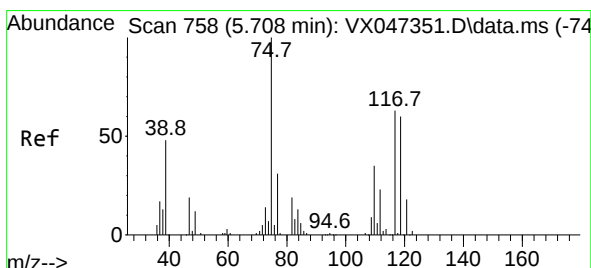
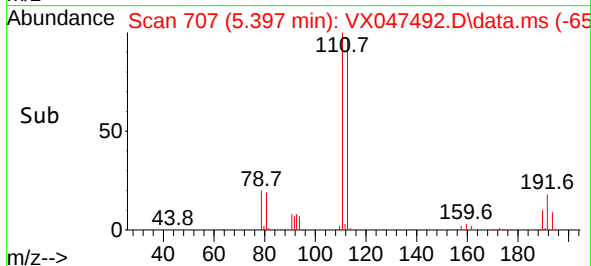
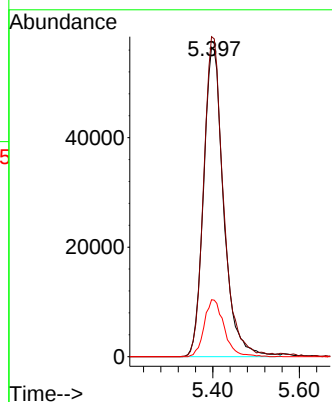
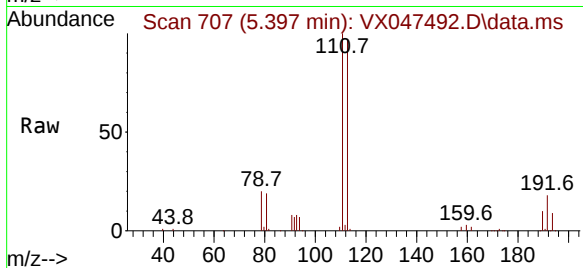
Tgt Ion:113 Resp: 181888

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.2

192 18.3 14.1 21.1



#36

1,1-Dichloropropene

Concen: 4.089 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.146 min

Lab File: VX047492.D

Acq: 22 Aug 2025 13:16

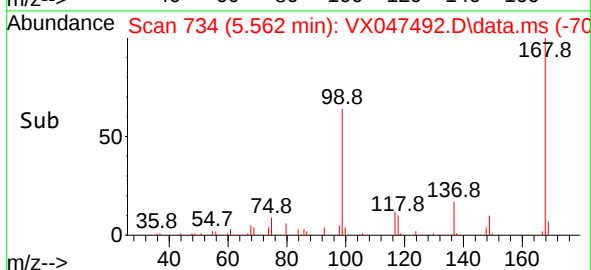
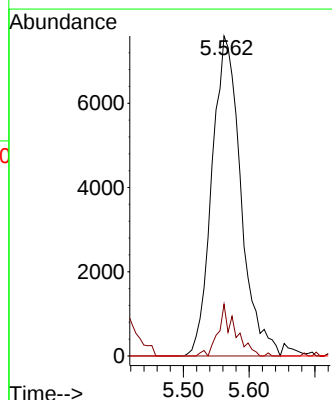
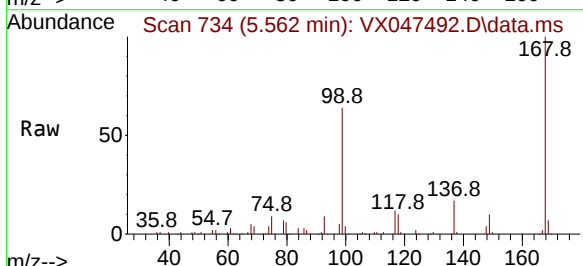
Tgt Ion: 75 Resp: 23172

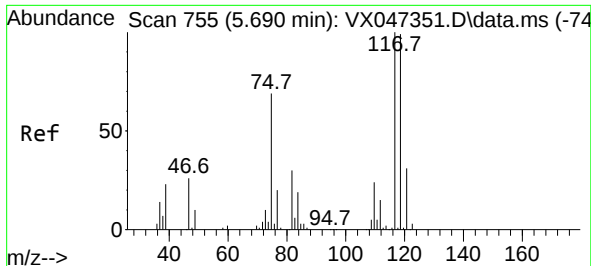
Ion Ratio Lower Upper

75 100

110 9.6 17.4 52.2#

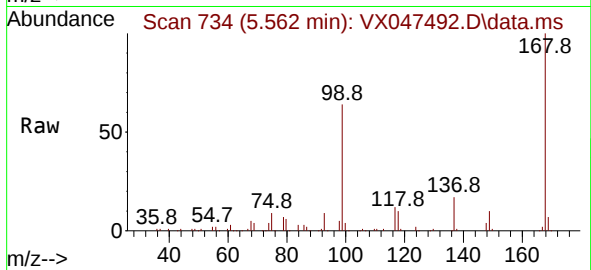
77 0.0 24.4 36.6#



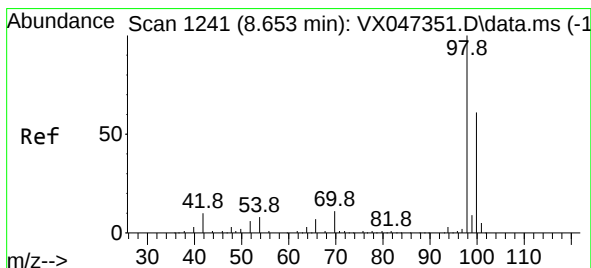
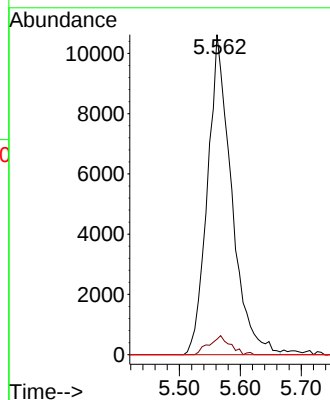
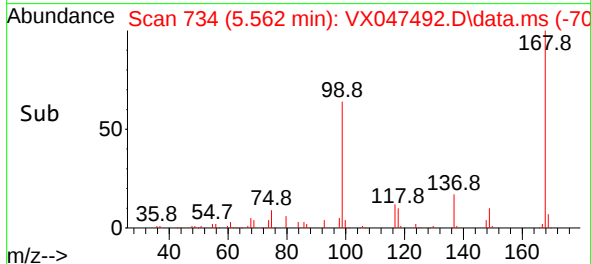


#38
Carbon Tetrachloride
Concen: 4.703 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047492.D
Acq: 22 Aug 2025 13:16

Instrument :
MSVOA_X
ClientSampleId :
IBLK

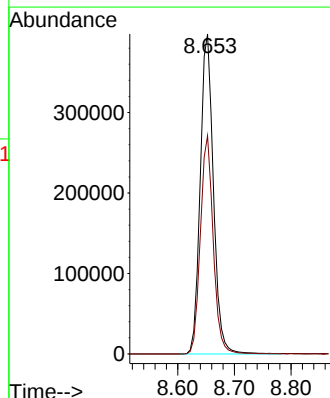
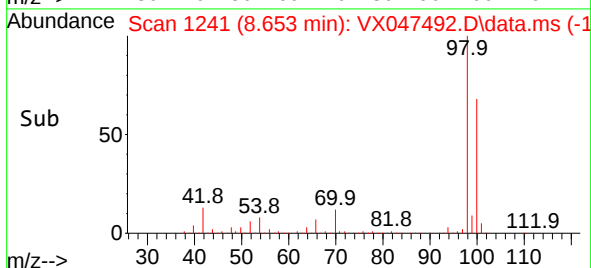
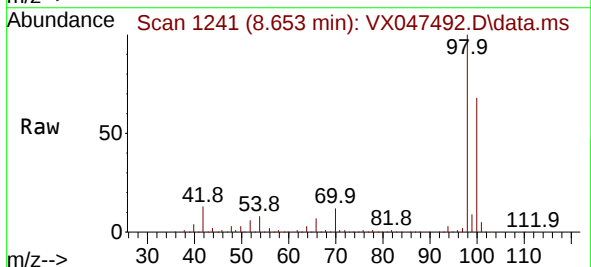


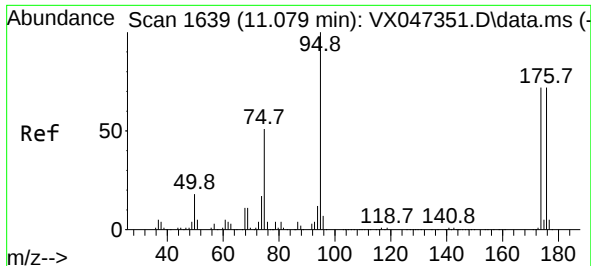
Tgt Ion:117 Resp: 29125
Ion Ratio Lower Upper
117 100
119 4.8 78.5 117.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.939 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX047492.D
Acq: 22 Aug 2025 13:16

Tgt Ion: 98 Resp: 640771
Ion Ratio Lower Upper
98 100
100 66.6 53.9 80.9

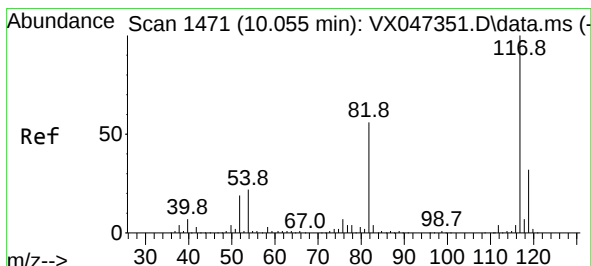
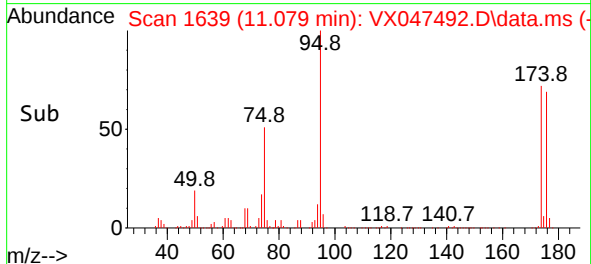
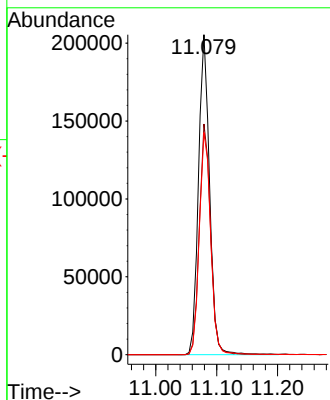
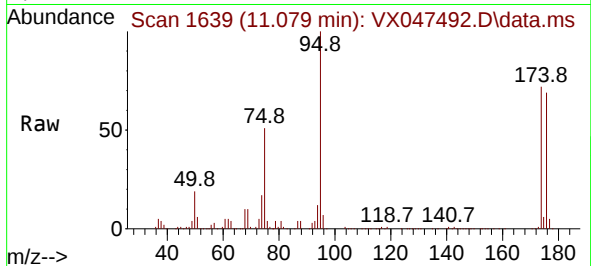




#62
4-Bromofluorobenzene
Concen: 54.563 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047492.D
Acq: 22 Aug 2025 13:16

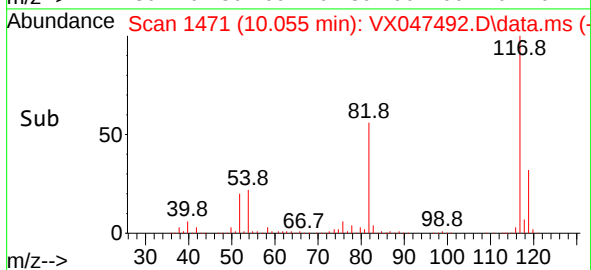
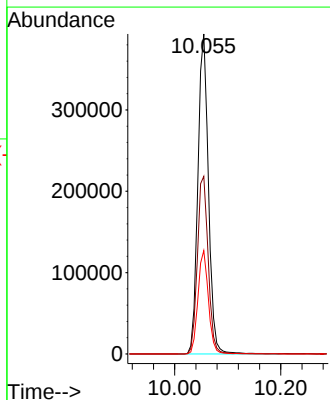
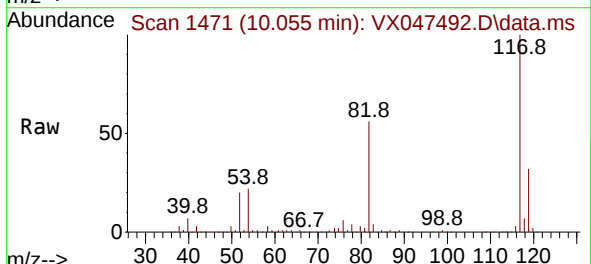
Instrument :
MSVOA_X
ClientSampleId :
IBLK

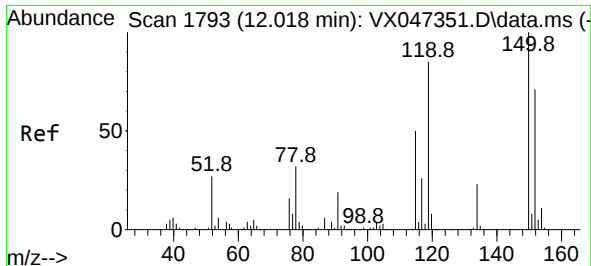
Tgt Ion: 95 Resp: 258350
Ion Ratio Lower Upper
95 100
174 73.3 0.0 148.0
176 71.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047492.D
Acq: 22 Aug 2025 13:16

Tgt Ion: 117 Resp: 542121
Ion Ratio Lower Upper
117 100
82 55.5 45.0 67.4
119 32.3 25.8 38.8

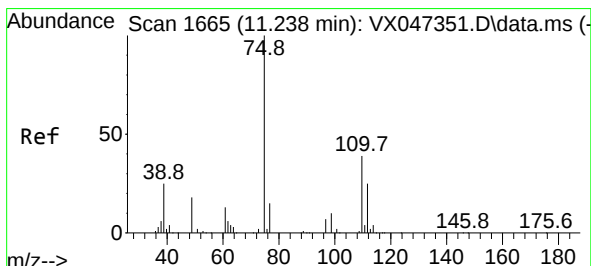
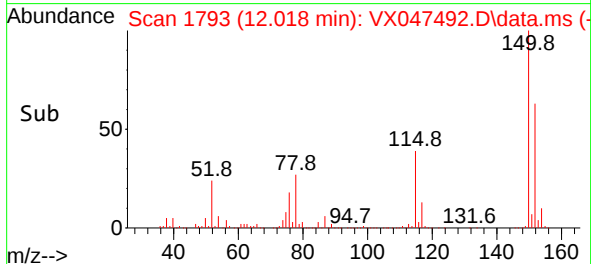
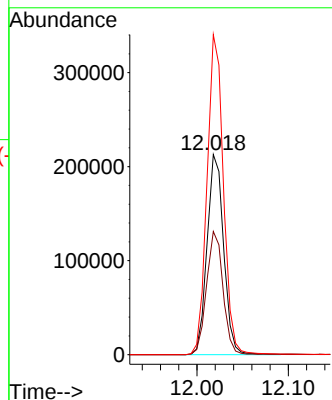
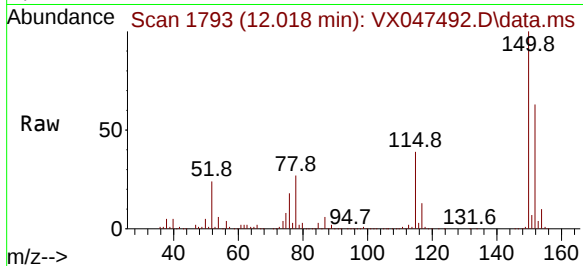




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047492.D
Acq: 22 Aug 2025 13:16

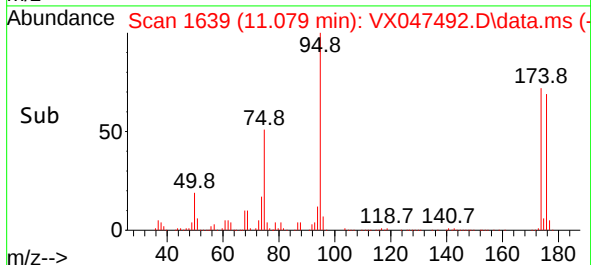
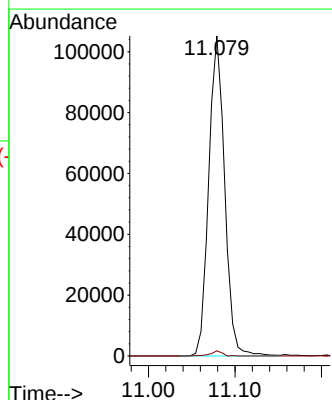
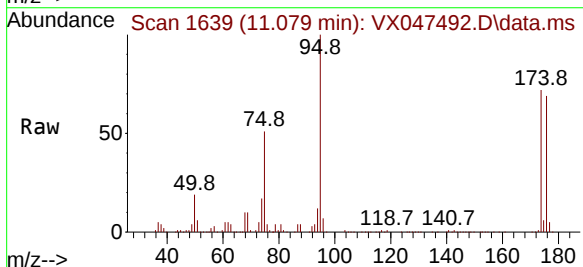
Instrument :
MSVOA_X
ClientSampleId :
IBLK

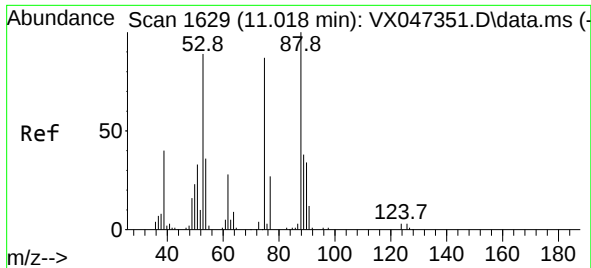
Tgt Ion:152 Resp: 267843
Ion Ratio Lower Upper
152 100
115 61.5 44.6 133.8
150 158.0 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 27.368 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX047492.D
Acq: 22 Aug 2025 13:16

Tgt Ion: 75 Resp: 134448
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 108.117 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX047492.D
Acq: 22 Aug 2025 13:16

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 134448
Ion Ratio Lower Upper
75 100
53 0.1 85.2 127.8#
89 0.0 36.7 55.1#

