

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
 Data File : VX047157.D
 Acq On : 28 Jul 2025 11:32
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

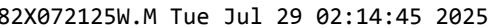
Quant Time: Jul 29 02:14:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

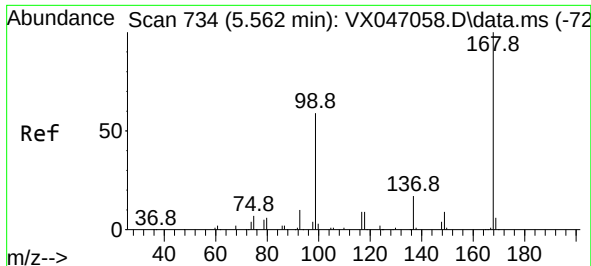
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	300410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	528273	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	487448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	241393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	202123	54.012	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.020%	
35) Dibromofluoromethane	5.397	113	166441	51.028	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.060%	
50) Toluene-d8	8.653	98	505304	47.837	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.680%	
62) 4-Bromofluorobenzene	11.079	95	240356	52.801	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.600%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	1199	0.520	ug/l #	74
10) Methyl Iodide	2.477	142	5014	1.291	ug/l	93
11) Tert butyl alcohol	2.965	59	91	Below Cal	#	72
14) Allyl chloride	2.721	41	4971	0.728	ug/l #	25
16) Acetone	2.398	43	3211	2.142	ug/l	89
17) Carbon Disulfide	2.526	76	2708	0.248	ug/l #	94
31) Cyclohexane	5.550	56	6823	0.975	ug/l #	26
36) 1,1-Dichloropropene	5.562	75	25100	4.514	ug/l #	49
38) Carbon Tetrachloride	5.562	117	31538	5.315	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	125889	28.175	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	125889	72.591	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.591	180	1707	0.311	ug/l	99
94) Hexachlorobutadiene	13.719	225	1943	1.042	ug/l	91
95) Naphthalene	13.780	128	3916	0.244	ug/l	95
96) 1,2,3-Trichlorobenzene	13.963	180	1338	0.253	ug/l	93

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

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Response via : Initial Calibration

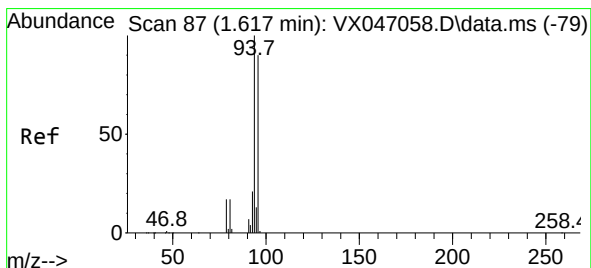
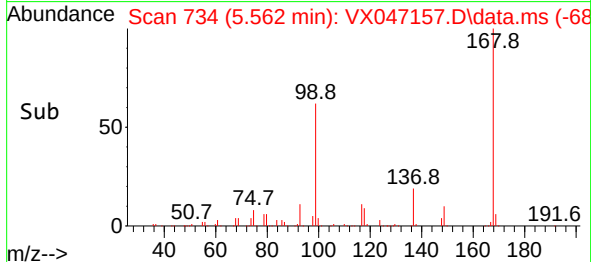
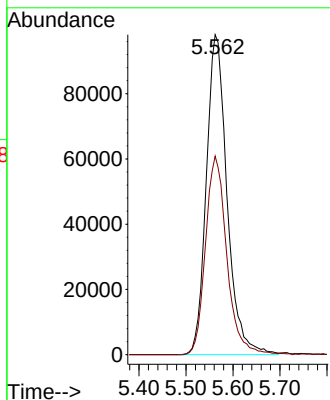
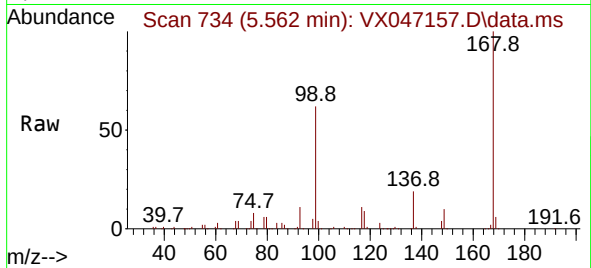




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047157.D
Acq: 28 Jul 2025 11:32

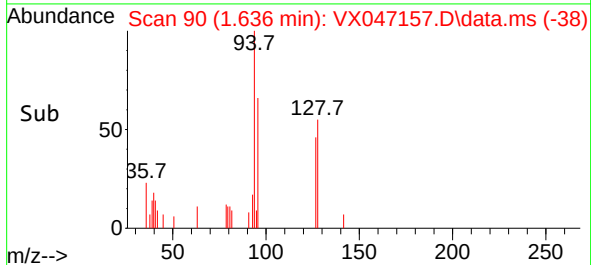
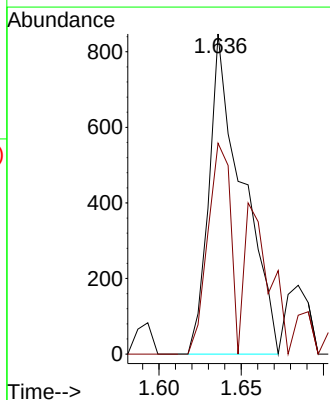
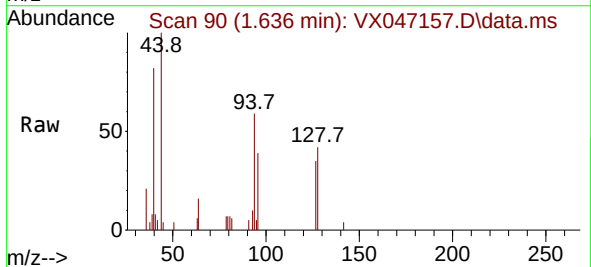
Instrument :
MSVOA_X
ClientSampleId :
IBLK

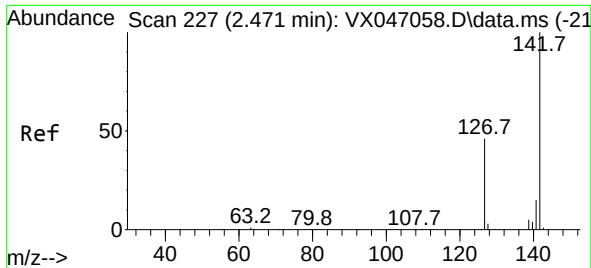
Tgt Ion:168 Resp: 300410
Ion Ratio Lower Upper
168 100
99 62.0 48.0 72.0



#5
Bromomethane
Concen: 0.520 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.019 min
Lab File: VX047157.D
Acq: 28 Jul 2025 11:32

Tgt Ion: 94 Resp: 1199
Ion Ratio Lower Upper
94 100
96 65.9 72.3 108.5#

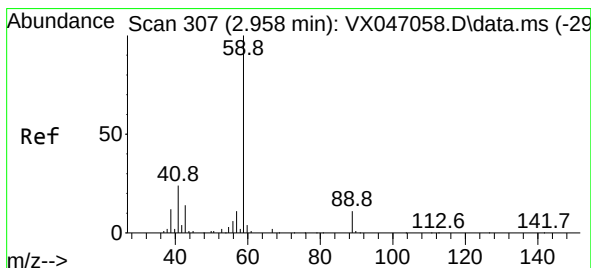
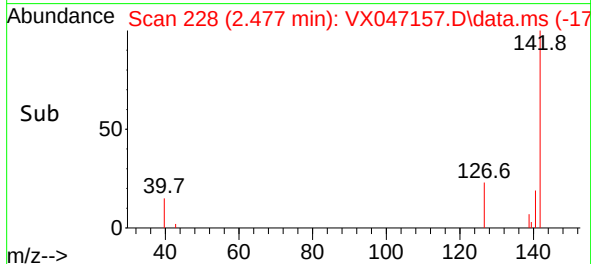
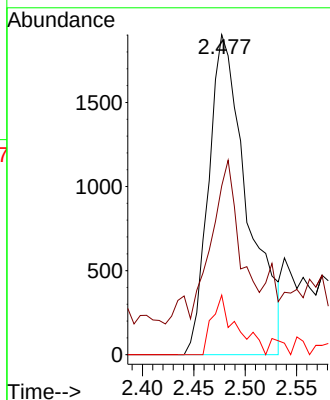
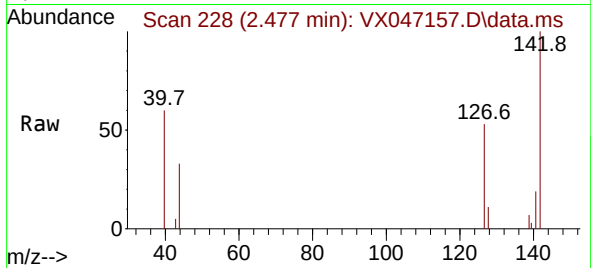




#10
Methyl Iodide
Concen: 1.291 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX047157.D
Acq: 28 Jul 2025 11:32

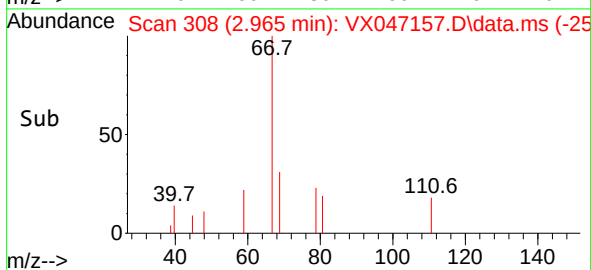
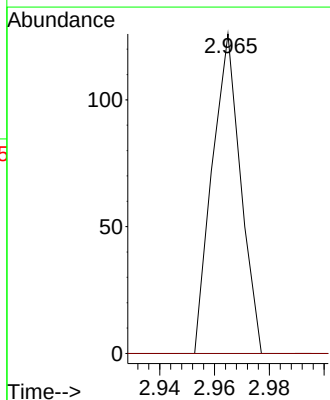
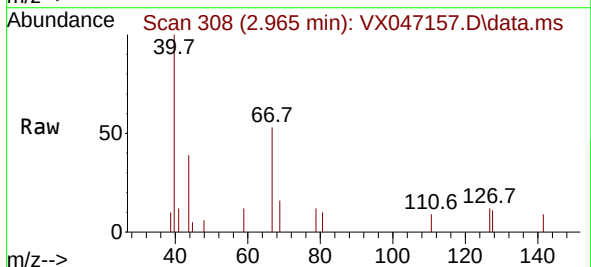
Instrument :
MSVOA_X
ClientSampleId :
IBLK

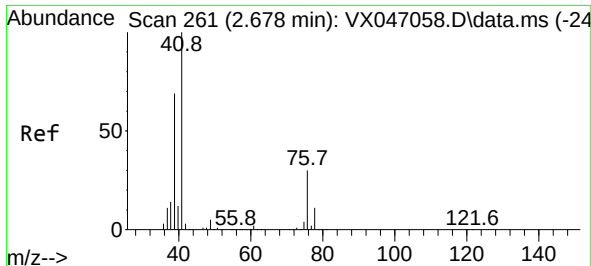
Tgt Ion:142 Resp: 5014
Ion Ratio Lower Upper
142 100
127 40.4 36.6 54.8
141 11.7 10.9 16.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. 0.007 min
Lab File: VX047157.D
Acq: 28 Jul 2025 11:32

Tgt Ion: 59 Resp: 91
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

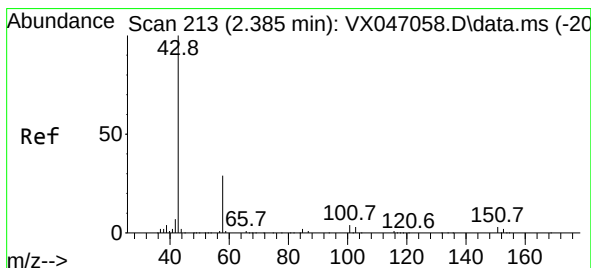
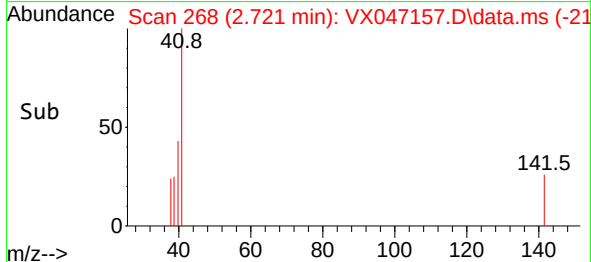
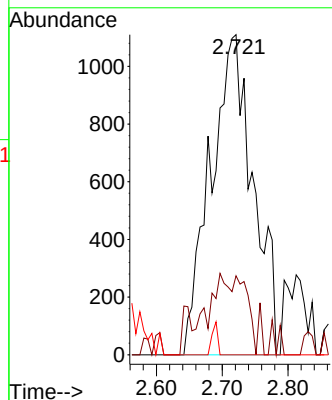
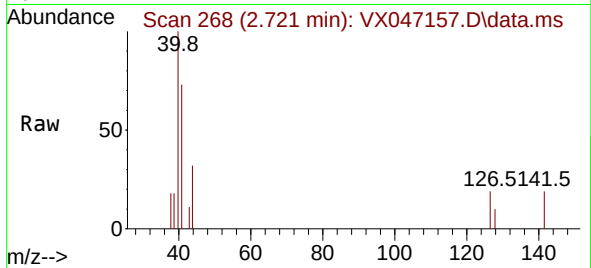




#14
 Allyl chloride
 Concen: 0.728 ug/l
 RT: 2.721 min Scan# 215
 Delta R.T. 0.043 min
 Lab File: VX047157.D
 Acq: 28 Jul 2025 11:32

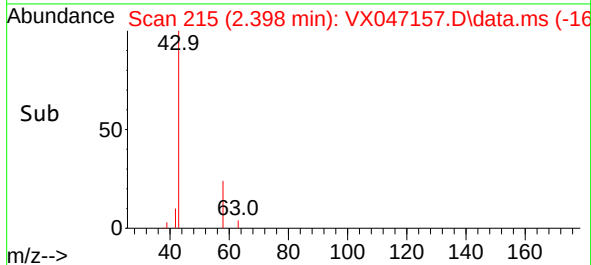
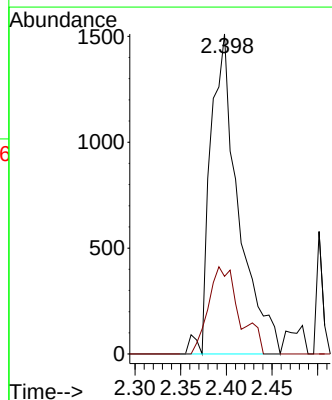
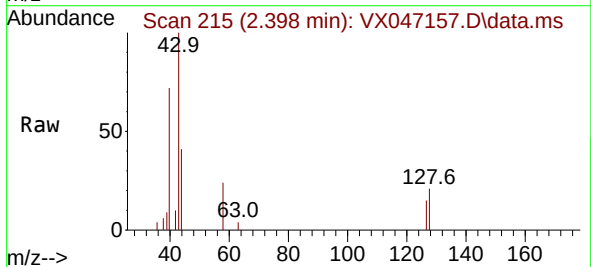
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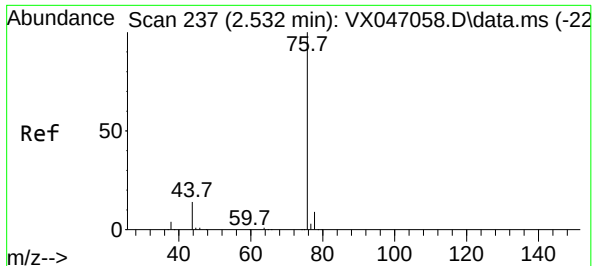
Tgt Ion: 41 Resp: 4971
 Ion Ratio Lower Upper
 41 100
 39 0.0 52.6 78.8#
 76 0.0 25.7 38.5#



#16
 Acetone
 Concen: 2.142 ug/l
 RT: 2.398 min Scan# 215
 Delta R.T. 0.013 min
 Lab File: VX047157.D
 Acq: 28 Jul 2025 11:32

Tgt Ion: 43 Resp: 3211
 Ion Ratio Lower Upper
 43 100
 58 24.3 24.0 36.0

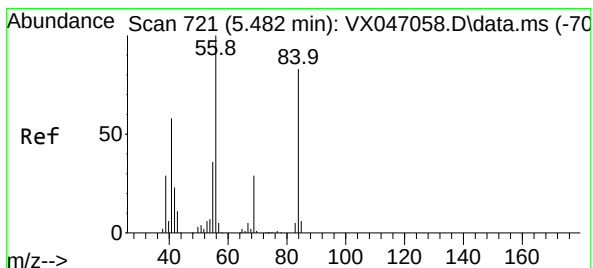
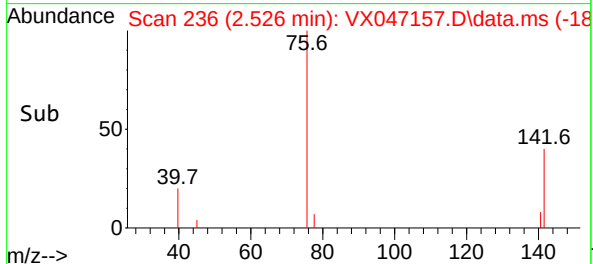
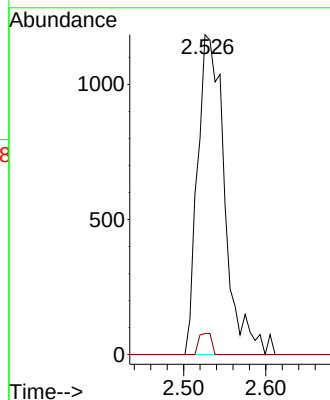
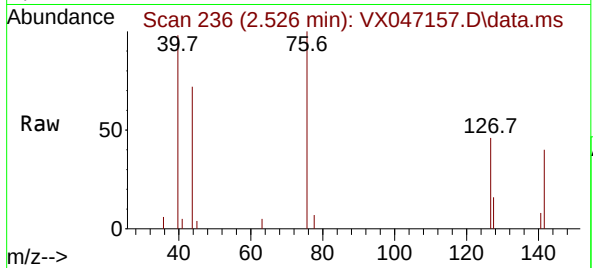




#17
Carbon Disulfide
Concen: 0.248 ug/l
RT: 2.526 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047157.D
Acq: 28 Jul 2025 11:32

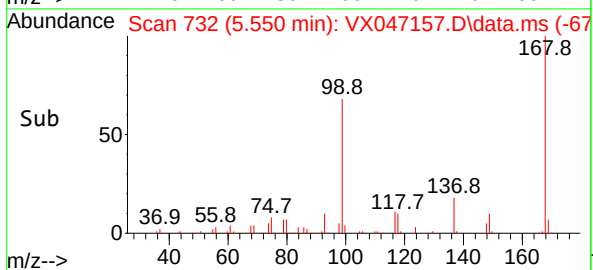
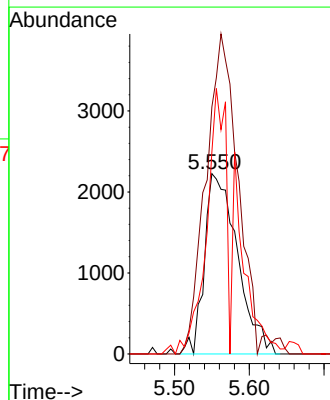
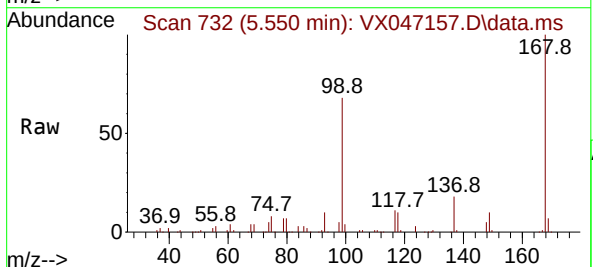
Instrument :
MSVOA_X
ClientSampleId :
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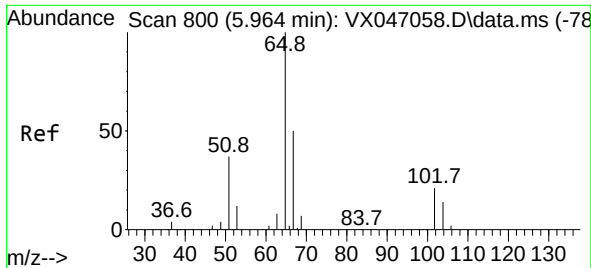
Tgt Ion: 76 Resp: 2708
Ion Ratio Lower Upper
76 100
78 6.6 7.0 10.4#



#31
Cyclohexane
Concen: 0.975 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.067 min
Lab File: VX047157.D
Acq: 28 Jul 2025 11:32

Tgt Ion: 56 Resp: 6823
Ion Ratio Lower Upper
56 100
69 137.0 23.3 34.9#
84 109.3 66.5 99.7#

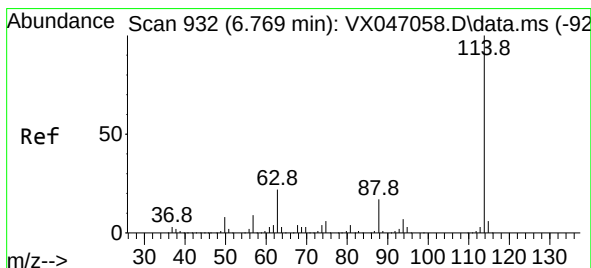
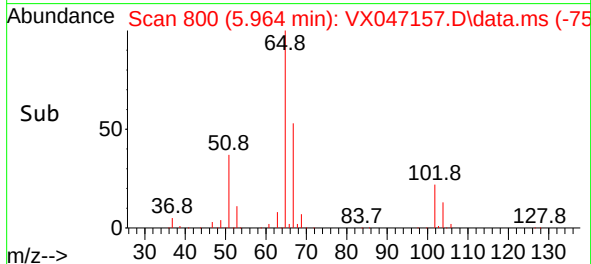
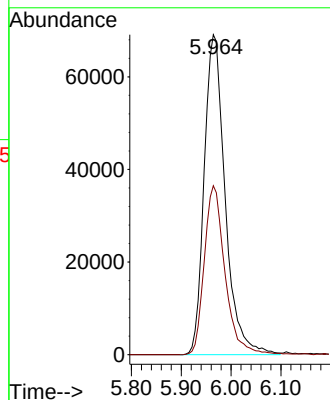
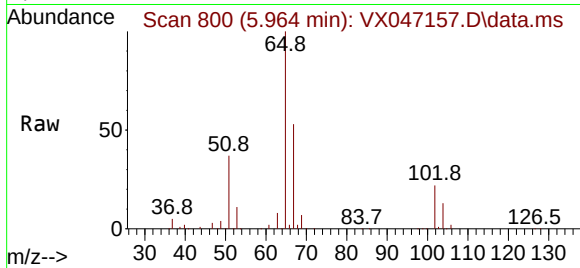




#33
 1,2-Dichloroethane-d4
 Concen: 54.012 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047157.D
 Acq: 28 Jul 2025 11:32

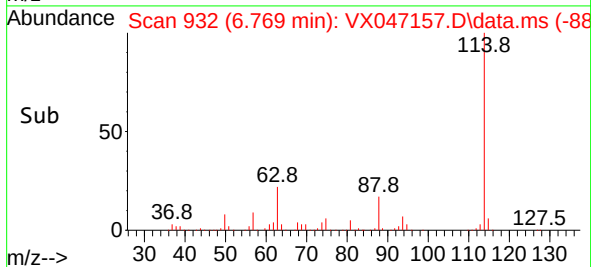
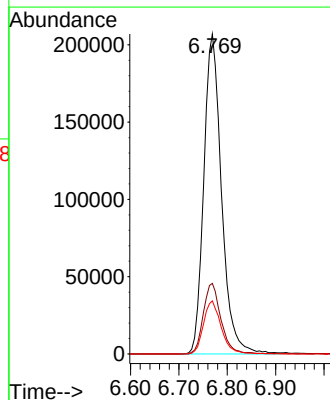
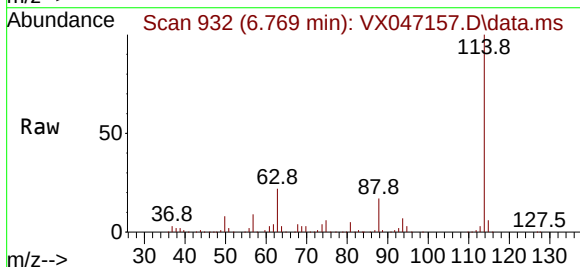
Instrument :
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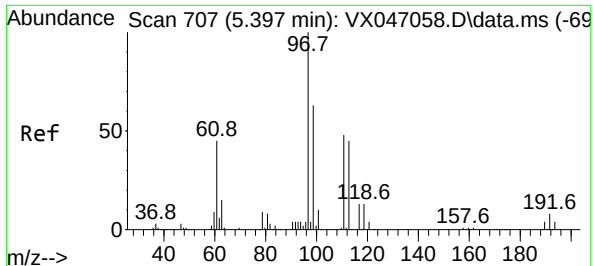
Tgt Ion: 65 Resp: 202123
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047157.D
 Acq: 28 Jul 2025 11:32

Tgt Ion: 114 Resp: 528273
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.028 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047157.D

Acq: 28 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

IBLK

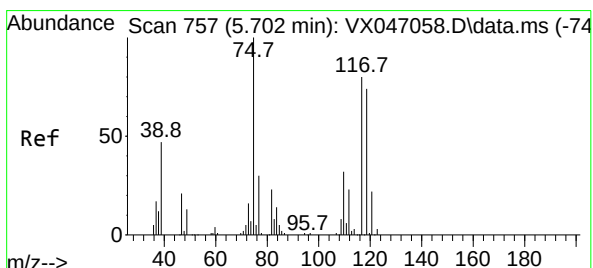
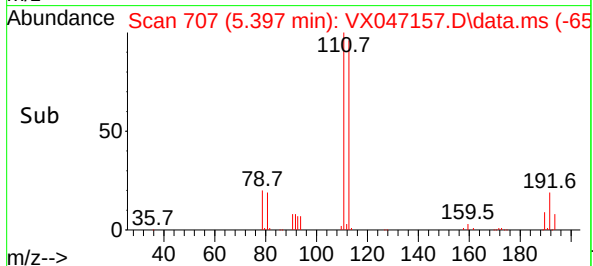
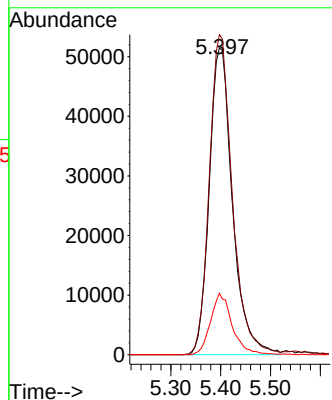
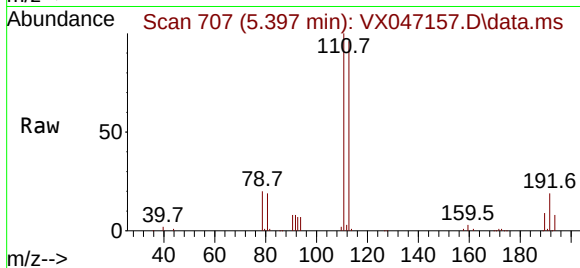
Tgt Ion:113 Resp: 166441

Ion Ratio Lower Upper

113 100

111 103.4 82.6 124.0

192 18.6 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.514 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX047157.D

Acq: 28 Jul 2025 11:32

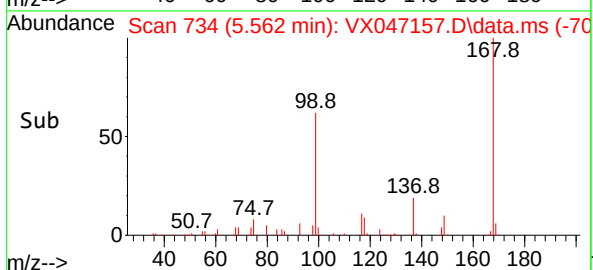
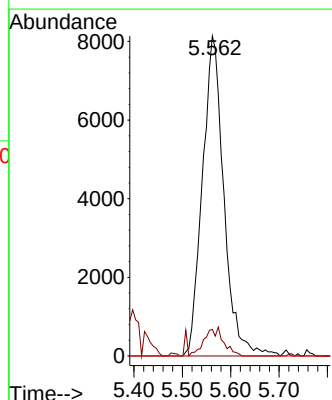
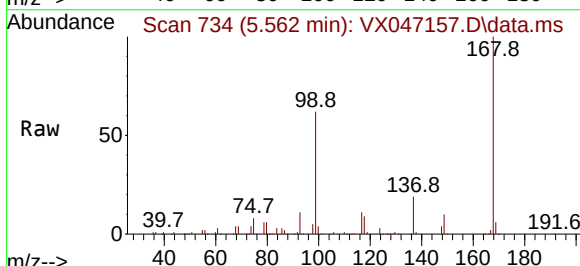
Tgt Ion: 75 Resp: 25100

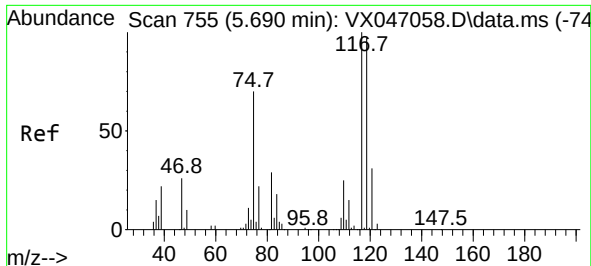
Ion Ratio Lower Upper

75 100

110 7.8 17.2 51.5#

77 0.0 25.1 37.7#

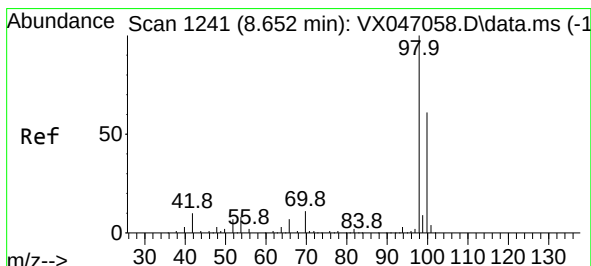
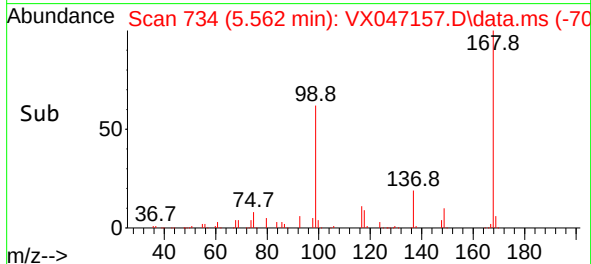
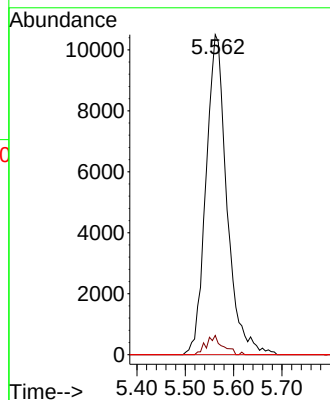
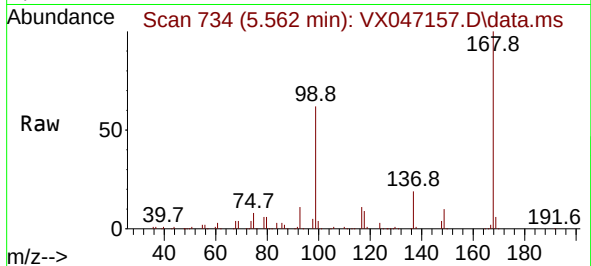




#38
Carbon Tetrachloride
Concen: 5.315 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047157.D
Acq: 28 Jul 2025 11:32

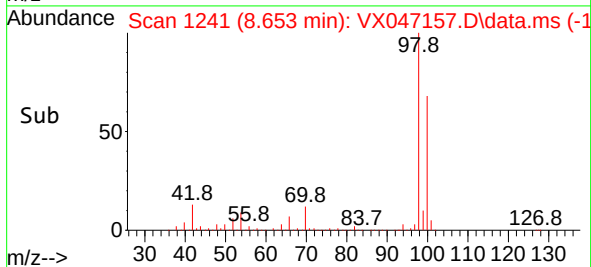
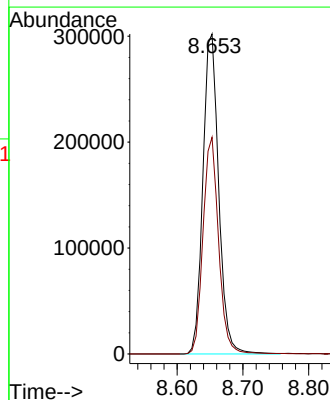
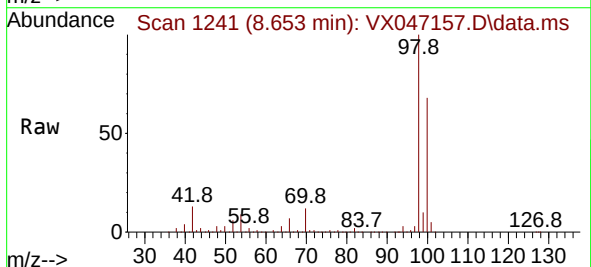
Instrument :
MSVOA_X
ClientSampleId :
IBLK

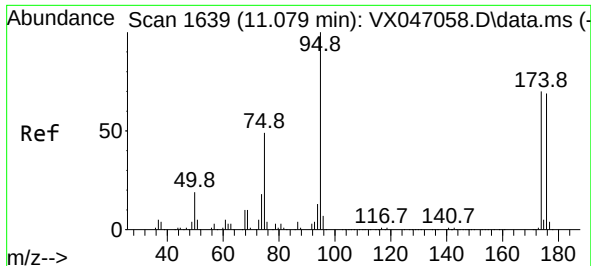
Tgt Ion:117 Resp: 31538
Ion Ratio Lower Upper
117 100
119 6.0 76.6 115.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 47.837 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047157.D
Acq: 28 Jul 2025 11:32

Tgt Ion: 98 Resp: 505304
Ion Ratio Lower Upper
98 100
100 66.8 53.3 79.9

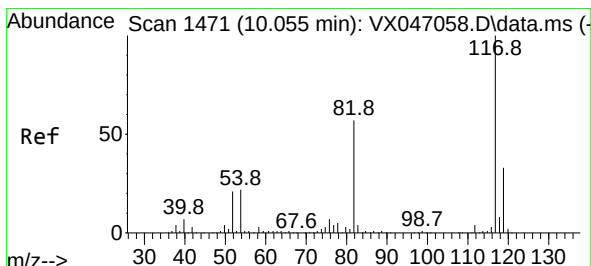
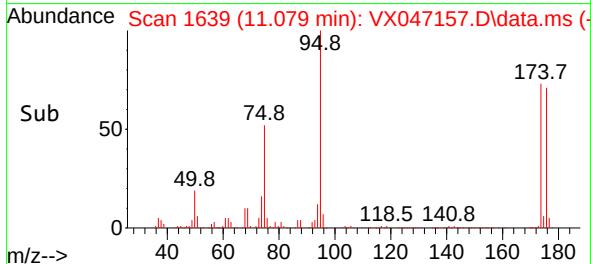
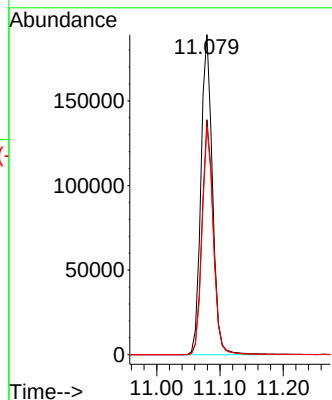
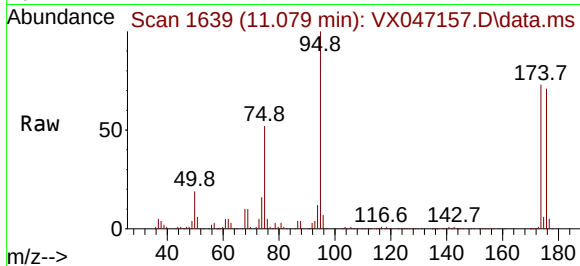




#62
4-Bromofluorobenzene
Concen: 52.801 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047157.D
Acq: 28 Jul 2025 11:32

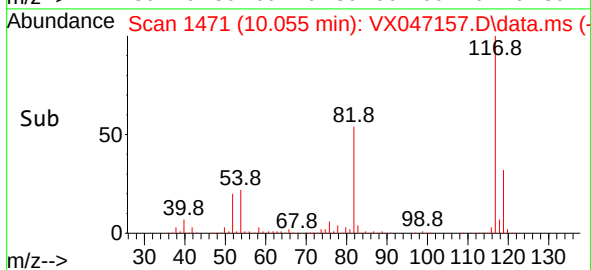
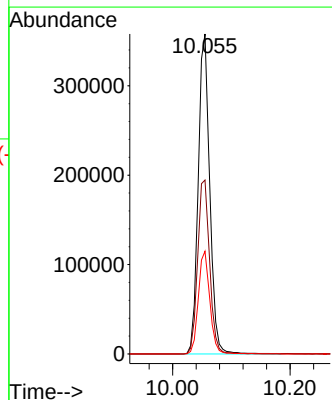
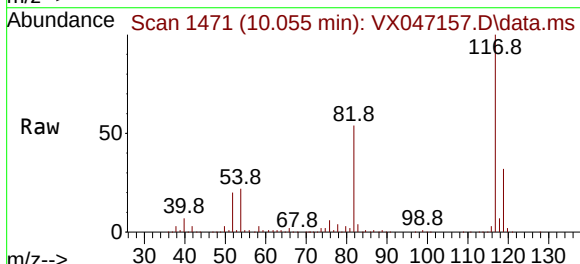
Instrument :
MSVOA_X
ClientSampleId :
IBLK

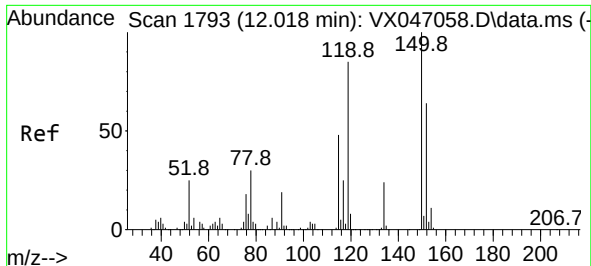
Tgt Ion: 95 Resp: 240356
Ion Ratio Lower Upper
95 100
174 71.9 0.0 144.6
176 69.7 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047157.D
Acq: 28 Jul 2025 11:32

Tgt Ion: 117 Resp: 487448
Ion Ratio Lower Upper
117 100
82 54.3 45.4 68.2
119 32.1 26.1 39.1

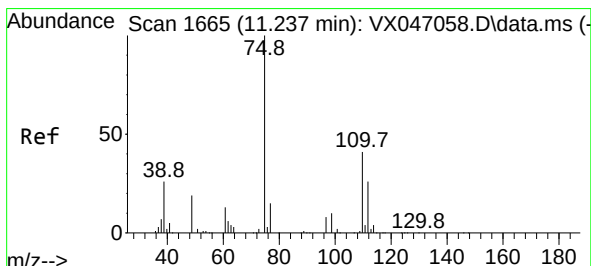
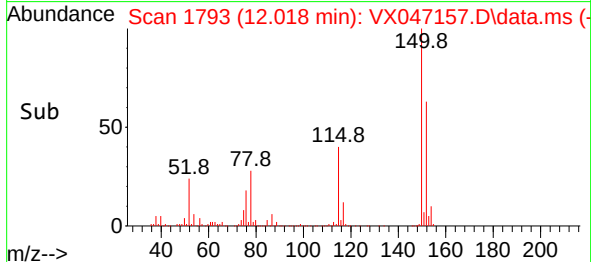
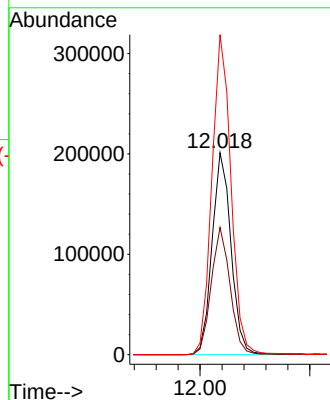
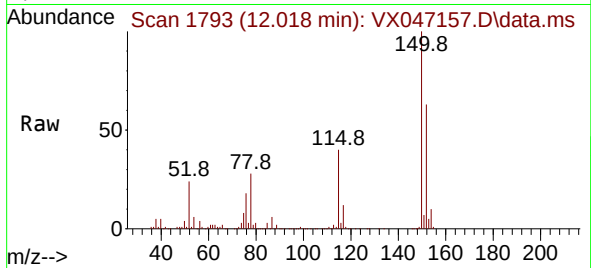




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047157.D
 Acq: 28 Jul 2025 11:32

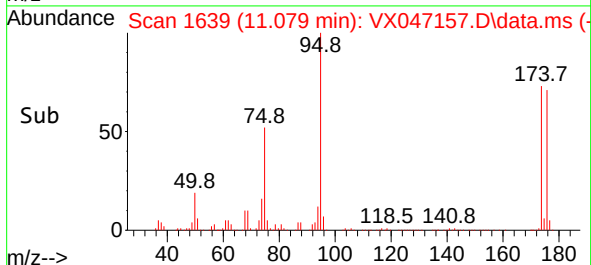
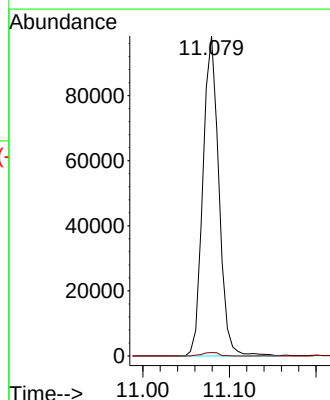
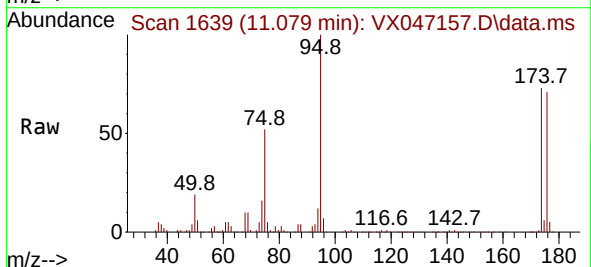
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

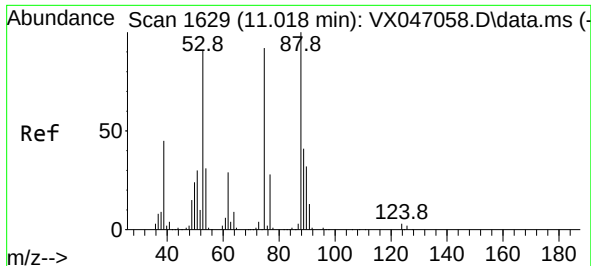
Tgt Ion:152 Resp: 241393
 Ion Ratio Lower Upper
 152 100
 115 63.3 45.6 136.7
 150 159.9 0.0 354.6



#76
 1,2,3-Trichloropropane
 Concen: 28.175 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047157.D
 Acq: 28 Jul 2025 11:32

Tgt Ion: 75 Resp: 125889
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.6 65.0#

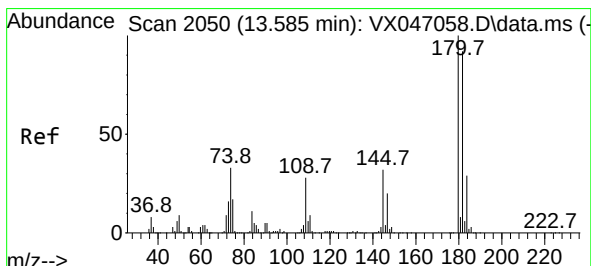
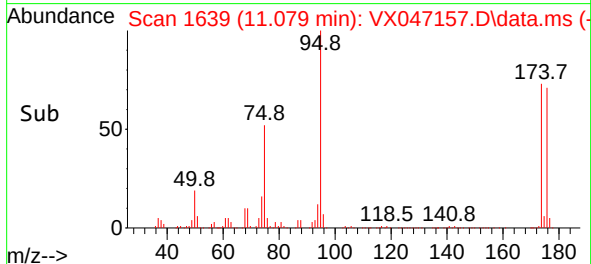
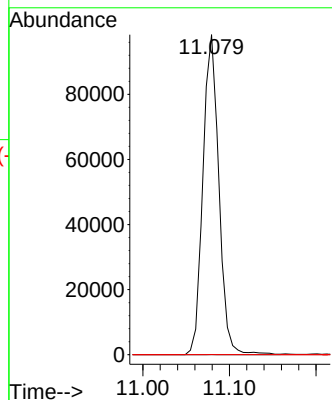
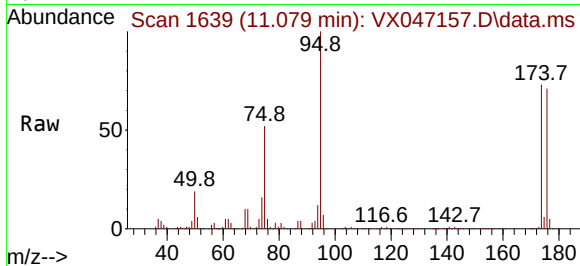




#81
trans-1,4-Dichloro-2-butene
Concen: 72.591 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047157.D
Acq: 28 Jul 2025 11:32

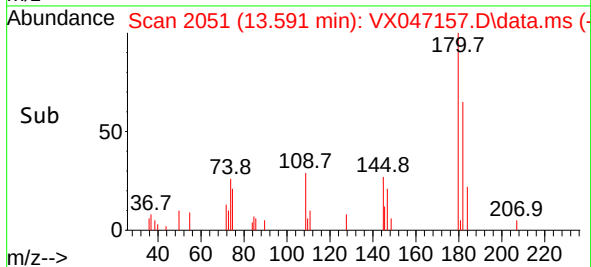
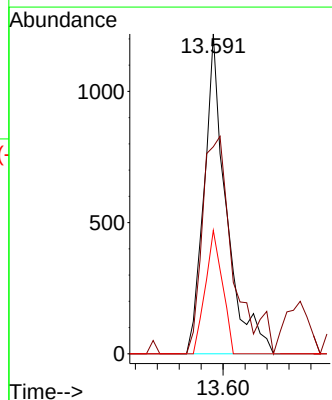
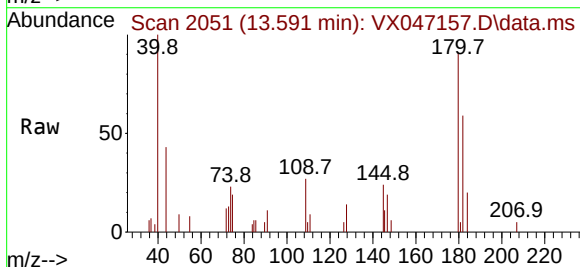
Instrument :
MSVOA_X
ClientSampleId :
IBLK

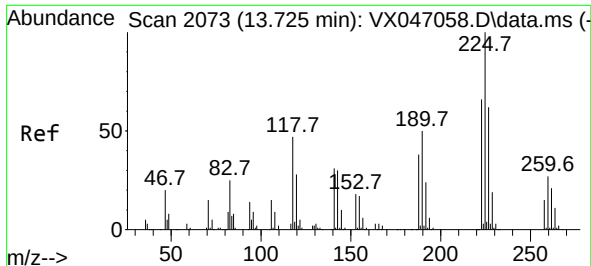
Tgt Ion: 75 Resp: 125889
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#



#93
1,2,4-Trichlorobenzene
Concen: 0.311 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX047157.D
Acq: 28 Jul 2025 11:32

Tgt Ion:180 Resp: 1707
Ion Ratio Lower Upper
180 100
182 94.4 47.3 141.8
145 29.6 16.4 49.1

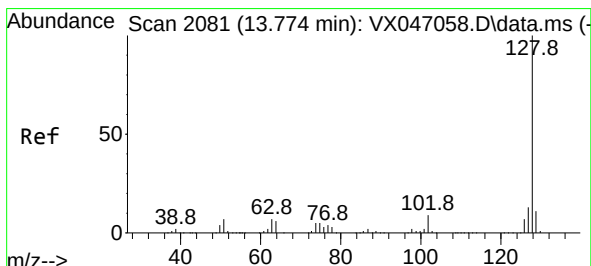
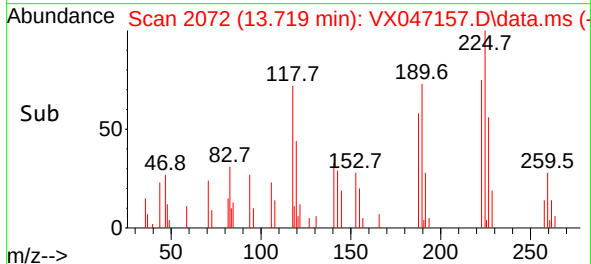
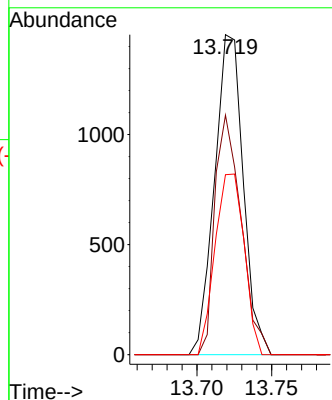
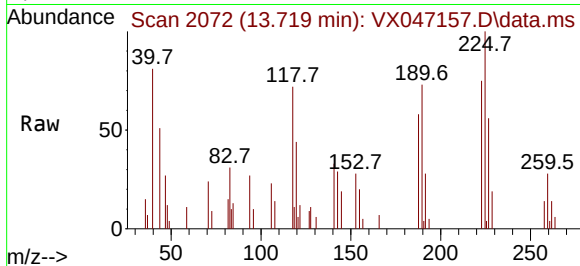




#94
Hexachlorobutadiene
Concen: 1.042 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047157.D
Acq: 28 Jul 2025 11:32

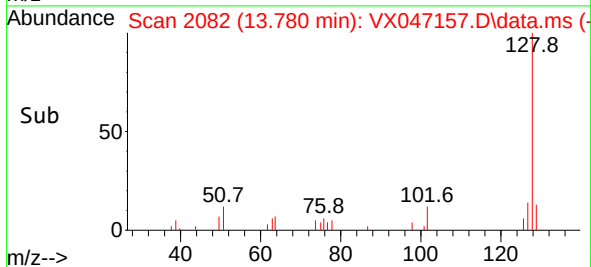
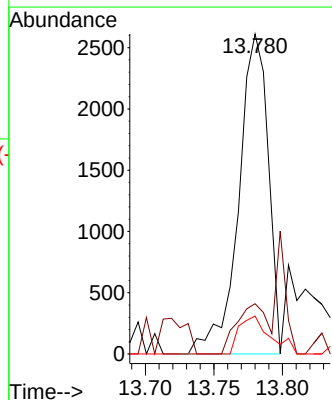
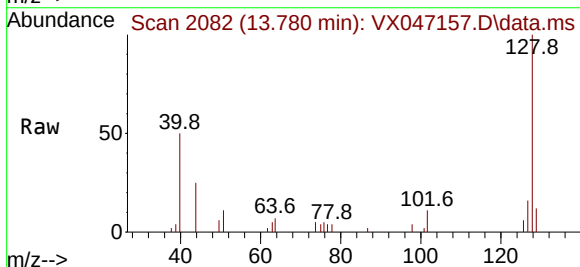
Instrument :
MSVOA_X
ClientSampleId :
IBLK

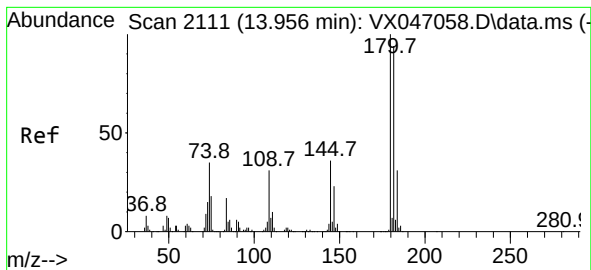
Tgt Ion:225 Resp: 1943
Ion Ratio Lower Upper
225 100
223 68.6 31.6 95.0
227 57.2 32.9 98.6



#95
Naphthalene
Concen: 0.244 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.007 min
Lab File: VX047157.D
Acq: 28 Jul 2025 11:32

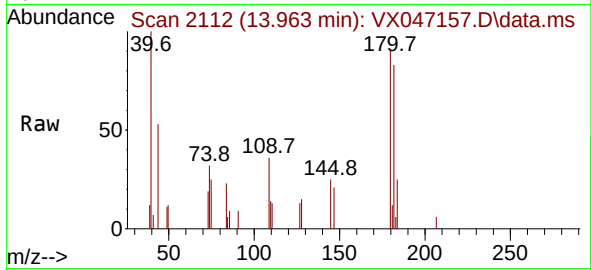
Tgt Ion:128 Resp: 3916
Ion Ratio Lower Upper
128 100
127 14.7 10.1 15.1
129 12.4 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.253 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: VX047157.D
 Acq: 28 Jul 2025 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK



Tgt Ion:180 Resp: 1338

Ion	Ratio	Lower	Upper
180	100		
182	91.0	46.9	140.6
145	24.7	17.3	52.0

