

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
 Data File : VX047277.D
 Acq On : 08 Aug 2025 17:15
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Aug 11 02:04:58 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

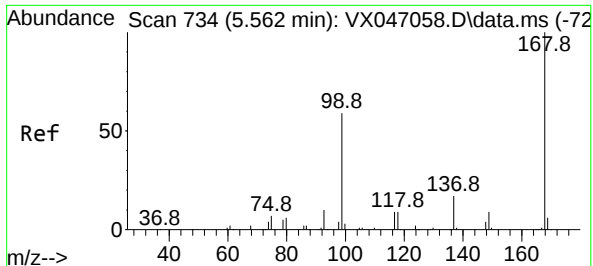
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.568	168	233900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	401077	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	359860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	185421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	139071	47.731	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.460%
35) Dibromofluoromethane	5.397	113	121380	49.015	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.040%
50) Toluene-d8	8.653	98	356506	44.454	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	88.900%#
62) 4-Bromofluorobenzene	11.079	95	171398	49.594	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.180%
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.471	142	4083	1.350	ug/l #	93
11) Tert butyl alcohol	2.953	59	180	Below Cal	#	72
13) Acrolein	2.258	56	312	0.497	ug/l #	15
16) Acetone	2.386	43	4644	3.979	ug/l #	67
18) Methyl Acetate	2.715	43	850	0.274	ug/l #	54
20) Methylene Chloride	2.806	84	6916	2.154	ug/l	97
29) Tetrahydrofuran	5.019	42	221	0.202	ug/l #	35
31) Cyclohexane	5.562	56	5418	0.995	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	20370	4.826	ug/l #	49
38) Carbon Tetrachloride	5.562	117	24560	5.451	ug/l #	16
49) 1,4-Dioxane	7.690	88	479	12.749	ug/l #	33
76) 1,2,3-Trichloropropane	11.079	75	88435	25.767	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	88435	66.387	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	12.756	75	346	0.431	ug/l #	6

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

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Response via : Initial Calibration

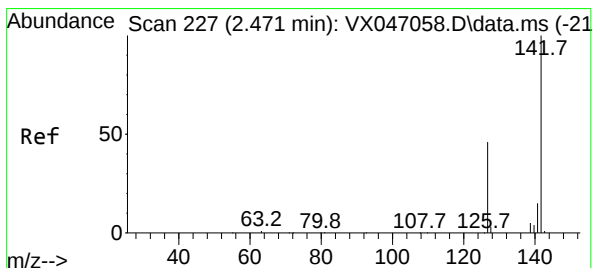
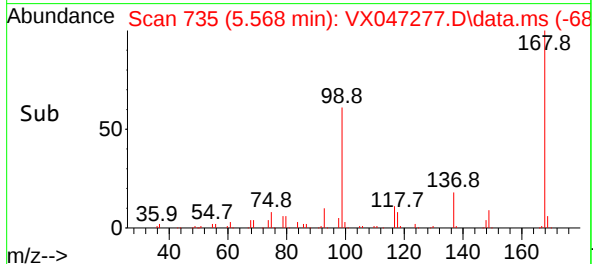
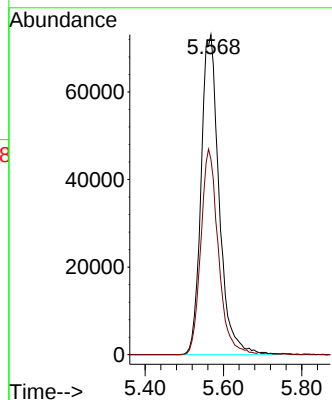
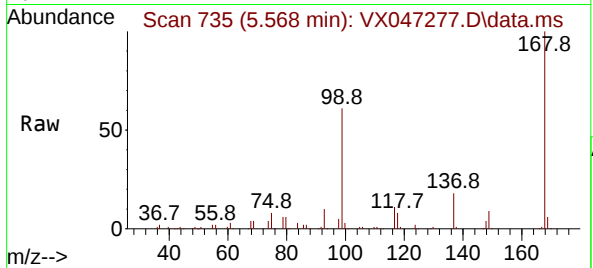




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047277.D
Acq: 08 Aug 2025 17:15

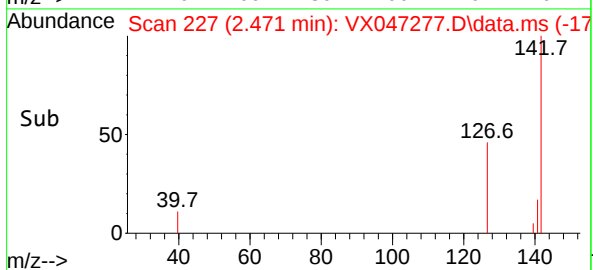
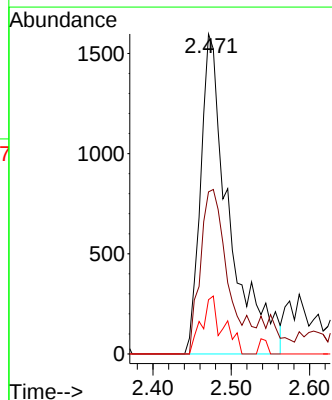
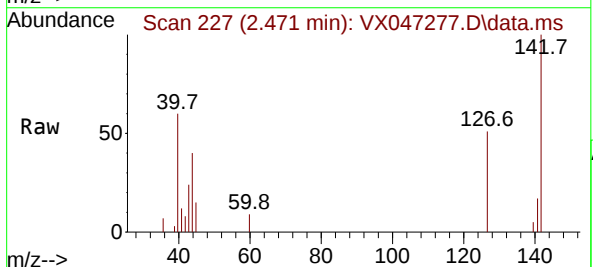
Instrument :
MSVOA_X
ClientSampleId :
IBLK

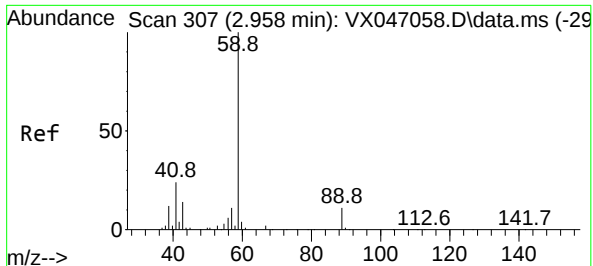
Tgt Ion:168 Resp: 233900
Ion Ratio Lower Upper
168 100
99 61.0 48.0 72.0



#10
Methyl Iodide
Concen: 1.350 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047277.D
Acq: 08 Aug 2025 17:15

Tgt Ion:142 Resp: 4083
Ion Ratio Lower Upper
142 100
127 50.0 36.6 54.8
141 10.3 10.9 16.3#

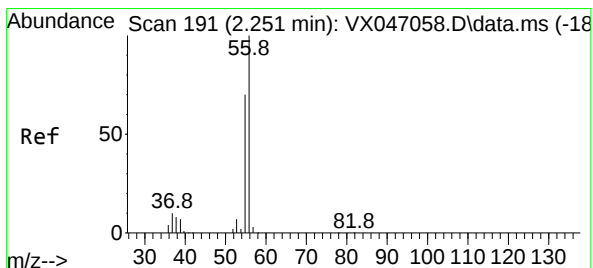
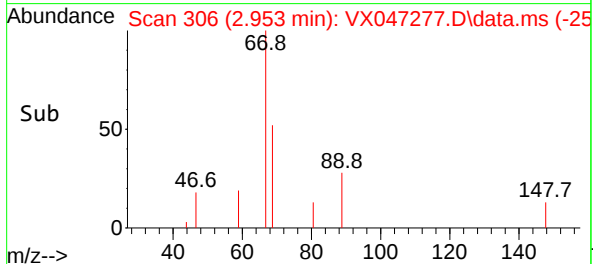
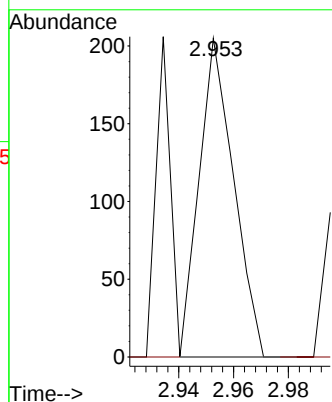
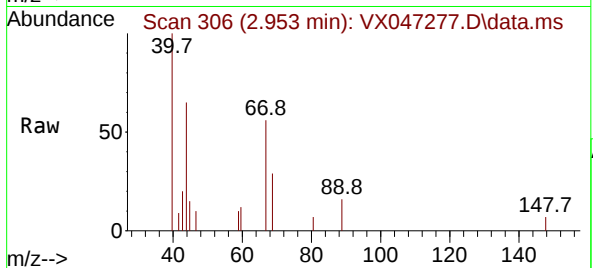




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.005 min
Lab File: VX047277.D
Acq: 08 Aug 2025 17:15

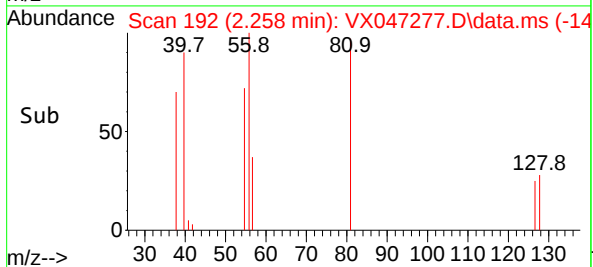
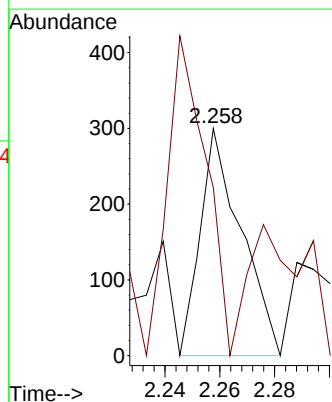
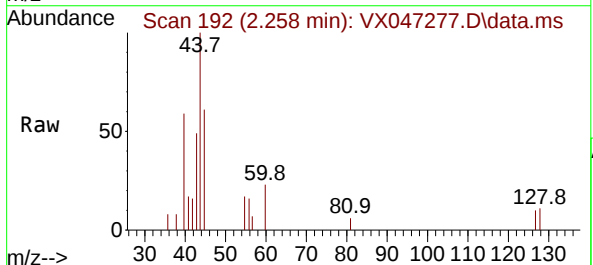
Instrument :
MSVOA_X
ClientSampleId :
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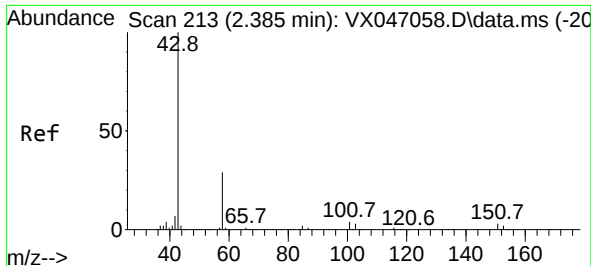
Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.497 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.006 min
Lab File: VX047277.D
Acq: 08 Aug 2025 17:15

Tgt Ion: 56 Resp: 312
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#

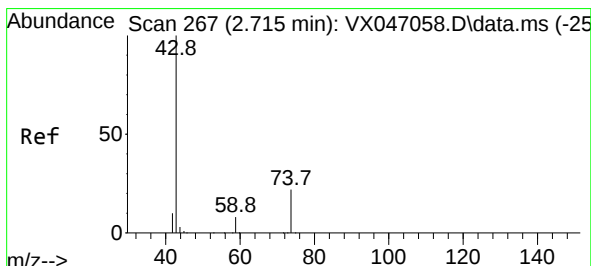
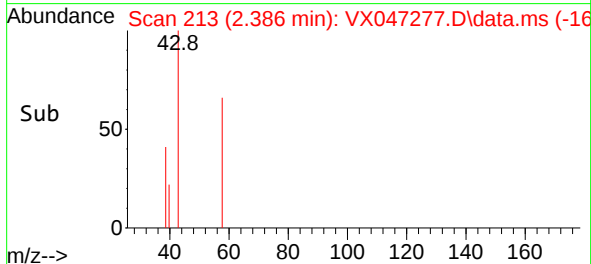
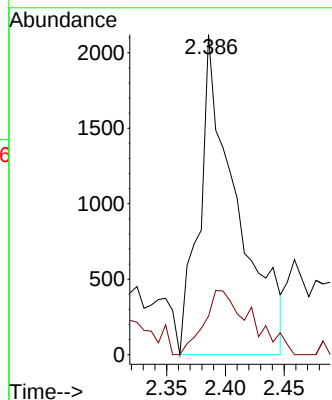
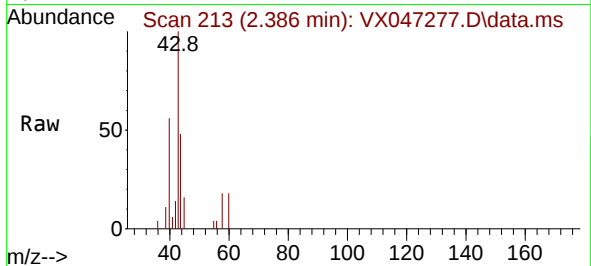




#16
Acetone
Concen: 3.979 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047277.D
Acq: 08 Aug 2025 17:15

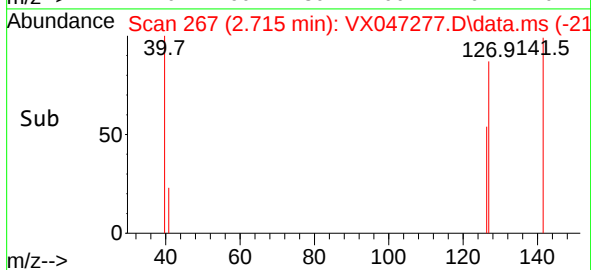
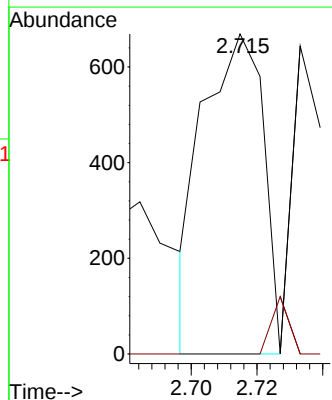
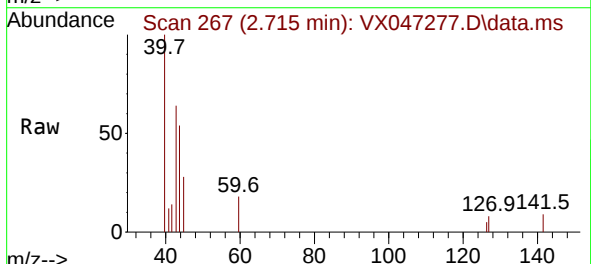
Instrument :
MSVOA_X
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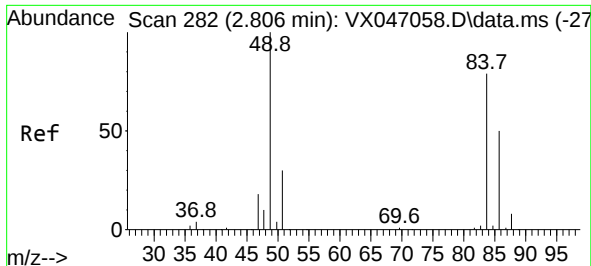
Tgt Ion: 43 Resp: 4644
Ion Ratio Lower Upper
43 100
58 12.0 24.0 36.0#



#18
Methyl Acetate
Concen: 0.274 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047277.D
Acq: 08 Aug 2025 17:15

Tgt Ion: 43 Resp: 850
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#

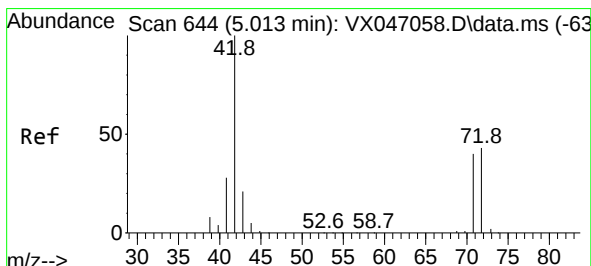
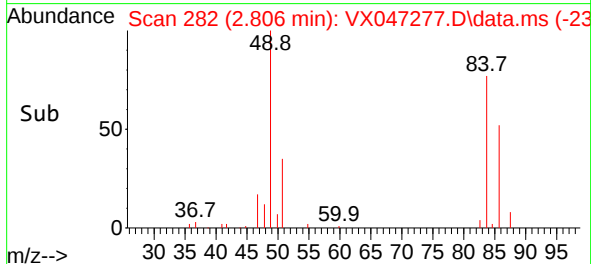
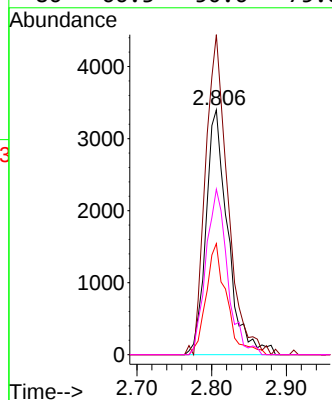
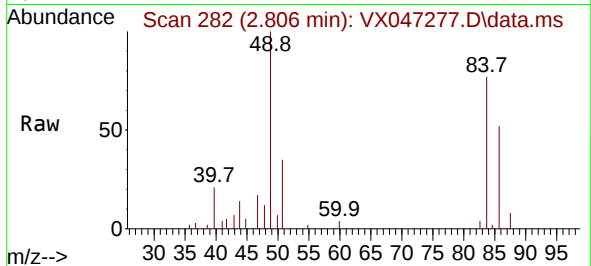




#20
Methylene Chloride
Concen: 2.154 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047277.D
Acq: 08 Aug 2025 17:15

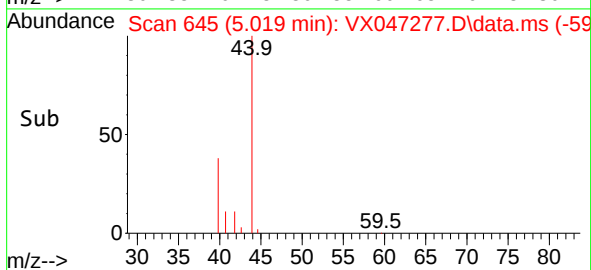
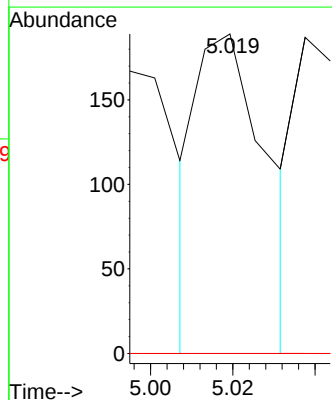
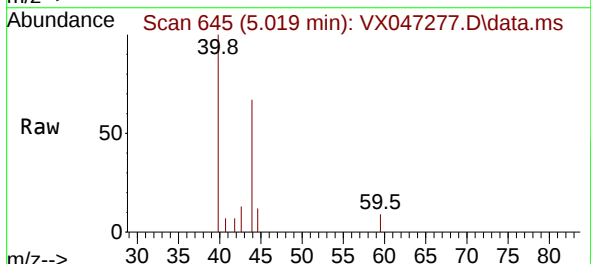
Instrument :
MSVOA_X
ClientSampleId :
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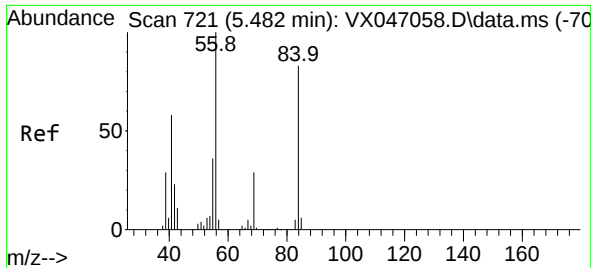
Tgt Ion:	84	Resp:	6916
Ion	Ratio	Lower	Upper
84	100		
49	128.2	101.6	152.4
51	44.5	30.3	45.5
86	66.3	50.6	75.8



#29
Tetrahydrofuran
Concen: 0.202 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.006 min
Lab File: VX047277.D
Acq: 08 Aug 2025 17:15

Tgt Ion:	42	Resp:	221
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	31.0	46.4#

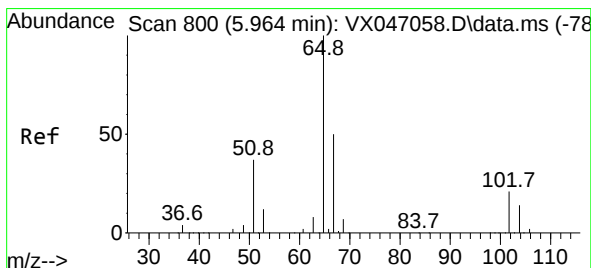
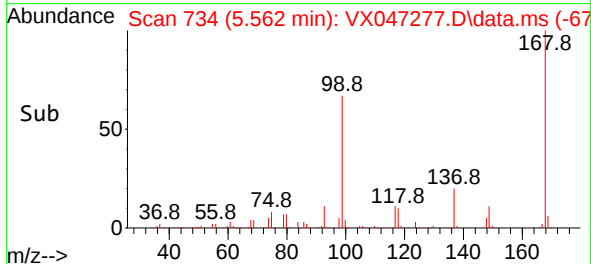
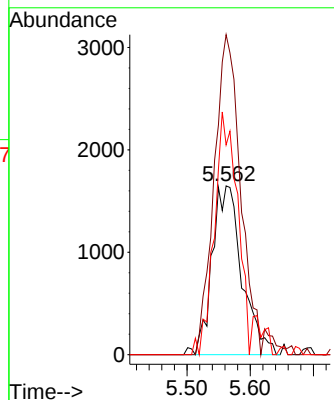
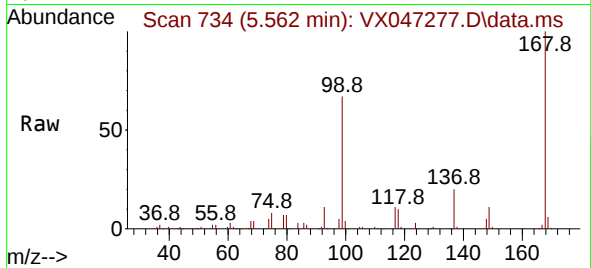




#31
Cyclohexane
Concen: 0.995 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.080 min
Lab File: VX047277.D
Acq: 08 Aug 2025 17:15

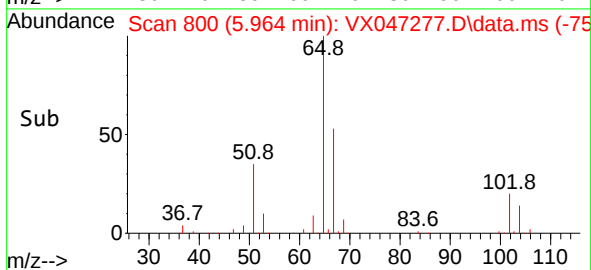
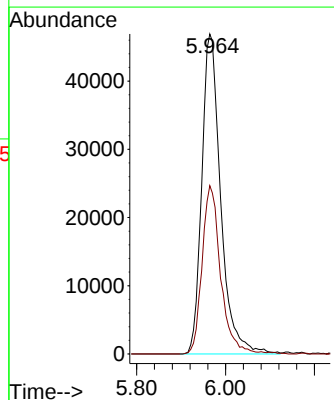
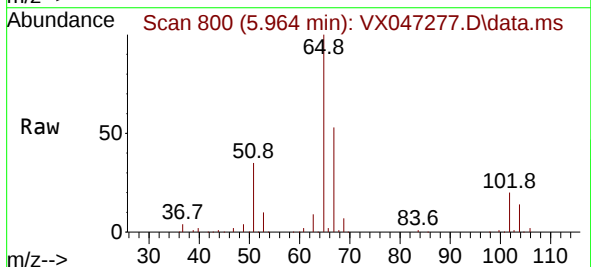
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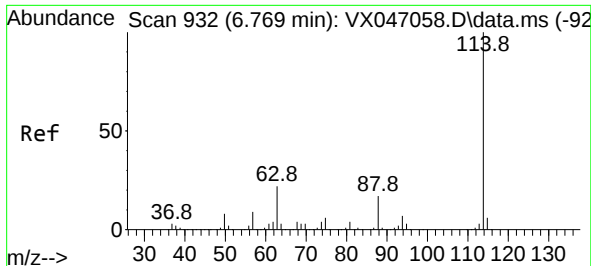
Tgt Ion: 56 Resp: 5418
Ion Ratio Lower Upper
56 100
69 189.5 23.3 34.9#
84 124.2 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 47.731 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047277.D
Acq: 08 Aug 2025 17:15

Tgt Ion: 65 Resp: 139071
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.8

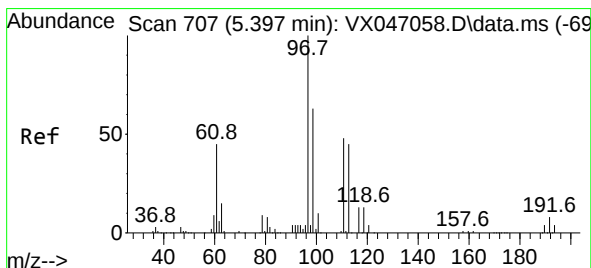
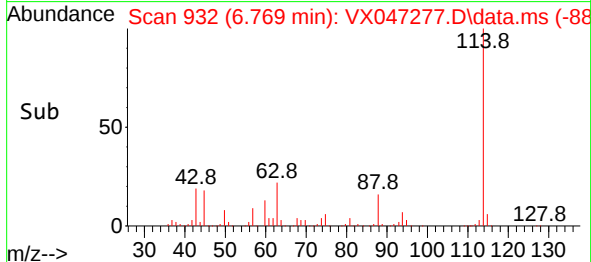
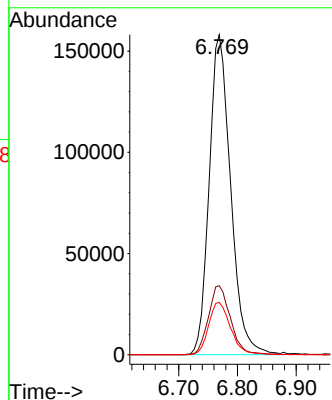
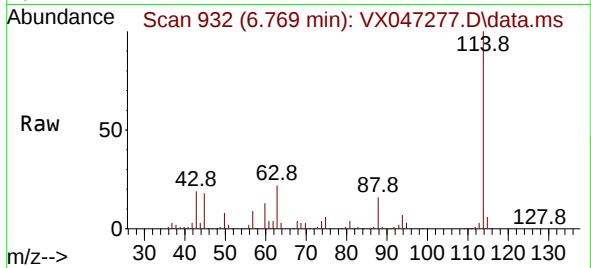




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047277.D
Acq: 08 Aug 2025 17:15

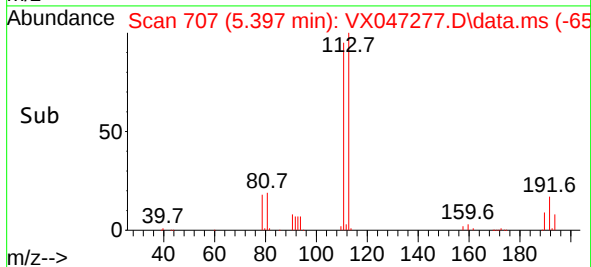
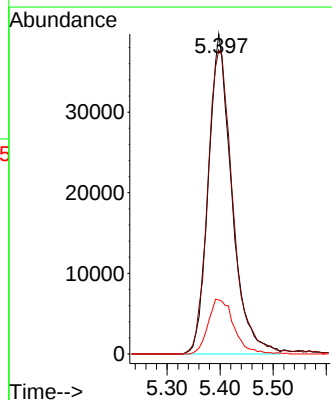
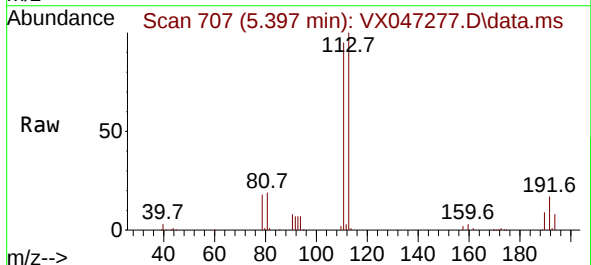
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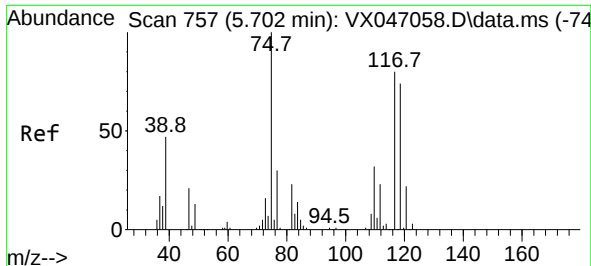
Tgt Ion:114 Resp: 401077
Ion Ratio Lower Upper
114 100
63 21.5 0.0 43.2
88 16.4 0.0 33.8



#35
Dibromofluoromethane
Concen: 49.015 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047277.D
Acq: 08 Aug 2025 17:15

Tgt Ion:113 Resp: 121380
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 18.8 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.826 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.152 min

Lab File: VX047277.D

Acq: 08 Aug 2025 17:15

Instrument :

MSVOA_X

ClientSampleId :

IBLK

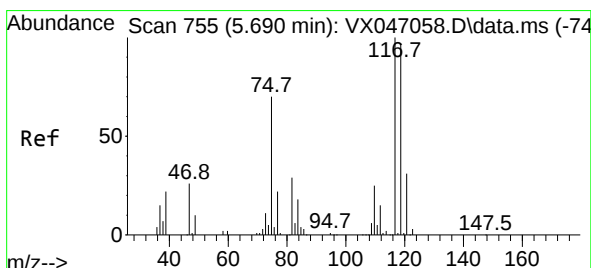
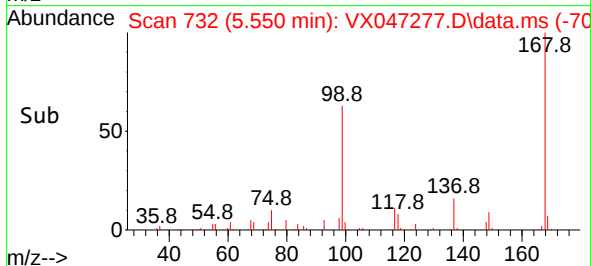
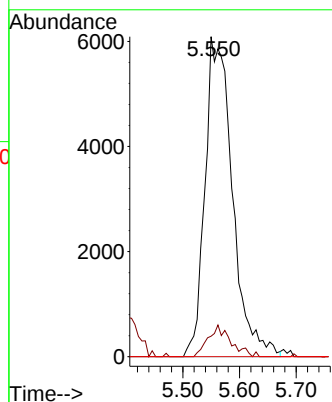
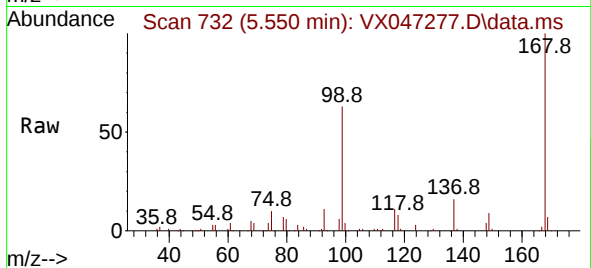
Tgt Ion: 75 Resp: 20370

Ion Ratio Lower Upper

75 100

110 8.0 17.2 51.5#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.451 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX047277.D

Acq: 08 Aug 2025 17:15

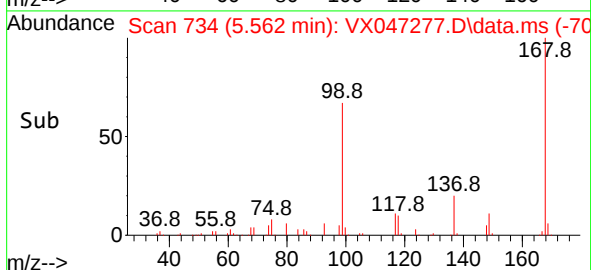
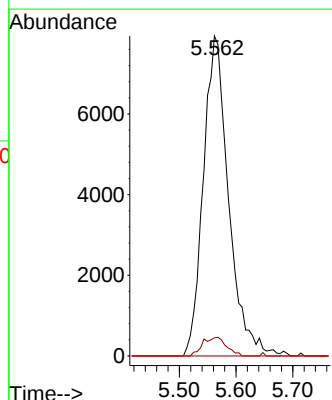
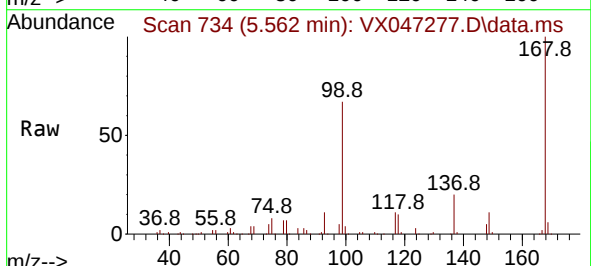
Tgt Ion: 117 Resp: 24560

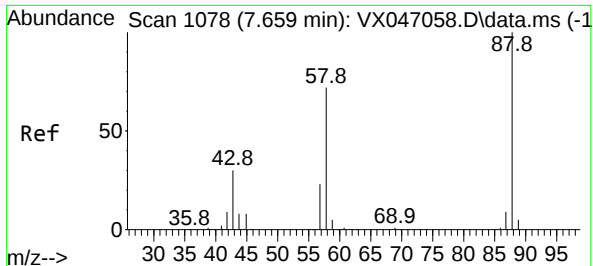
Ion Ratio Lower Upper

117 100

119 5.6 76.6 115.0#

121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 12.749 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.031 min

Lab File: VX047277.D

Acq: 08 Aug 2025 17:15

Instrument :

MSVOA_X

ClientSampleId :

IBLK

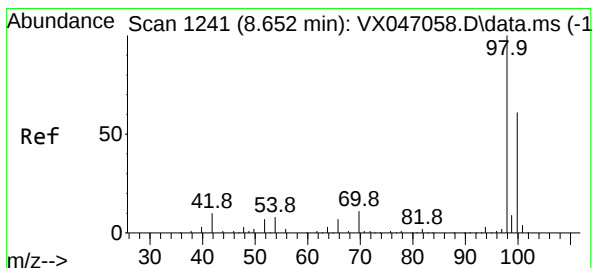
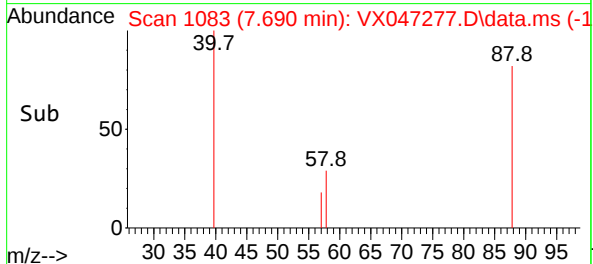
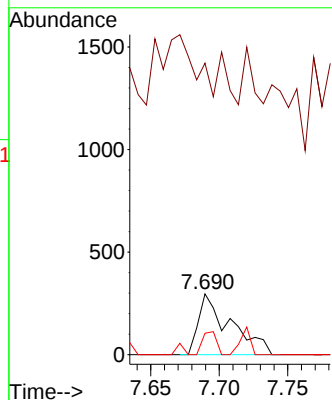
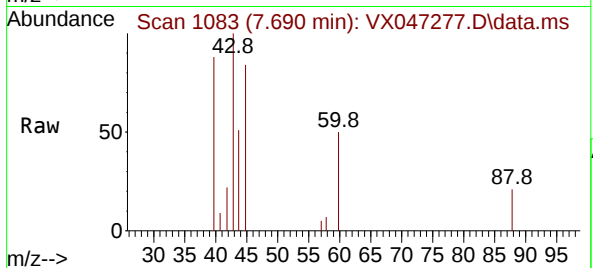
Tgt Ion: 88 Resp: 479

Ion Ratio Lower Upper

88 100

43 0.0 33.6 50.4#

58 16.5 58.8 88.2#



#50

Toluene-d8

Concen: 44.454 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047277.D

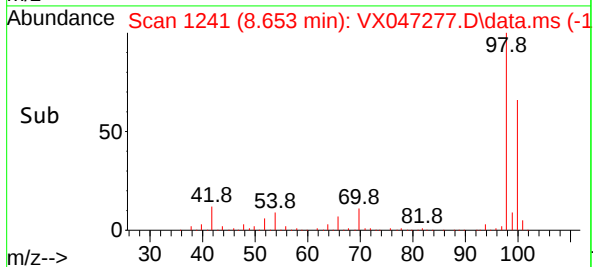
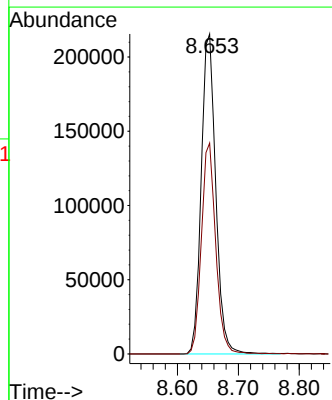
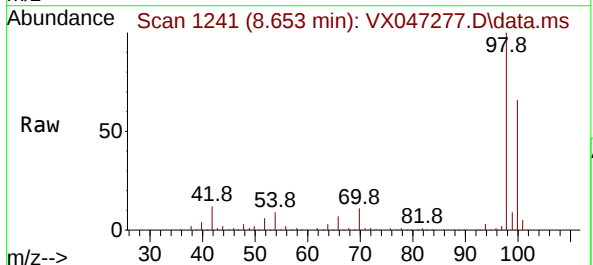
Acq: 08 Aug 2025 17:15

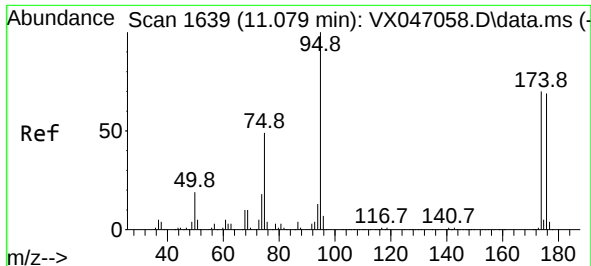
Tgt Ion: 98 Resp: 356506

Ion Ratio Lower Upper

98 100

100 65.2 53.3 79.9

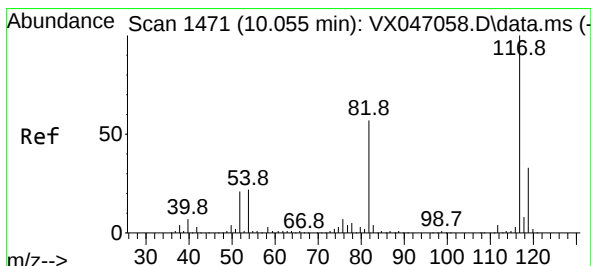
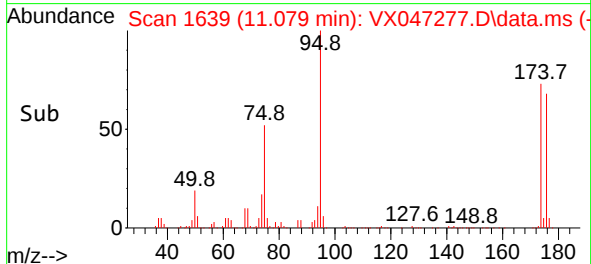
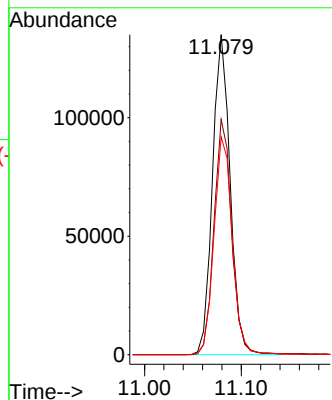
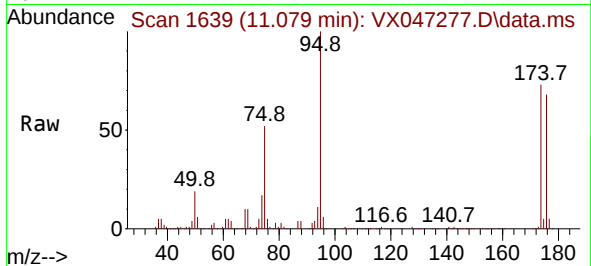




#62
4-Bromofluorobenzene
Concen: 49.594 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047277.D
Acq: 08 Aug 2025 17:15

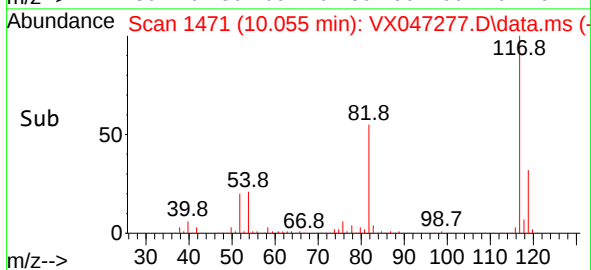
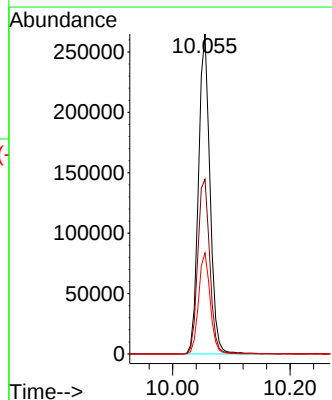
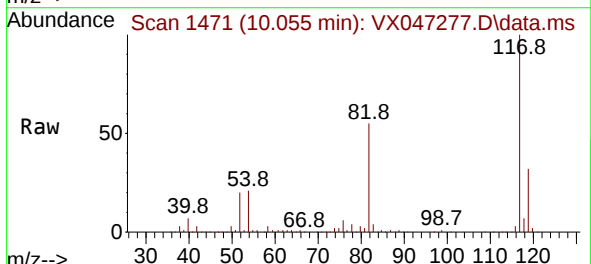
Instrument :
MSVOA_X
ClientSampleId :
IBLK

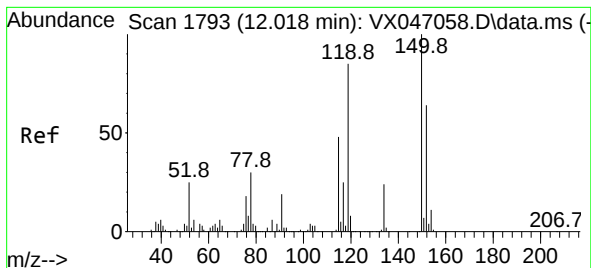
Tgt Ion: 95 Resp: 171398
Ion Ratio Lower Upper
95 100
174 73.7 0.0 144.6
176 70.7 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047277.D
Acq: 08 Aug 2025 17:15

Tgt Ion: 117 Resp: 359860
Ion Ratio Lower Upper
117 100
82 54.6 45.4 68.2
119 31.6 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047277.D

Acq: 08 Aug 2025 17:15

Instrument :

MSVOA_X

ClientSampleId :

IBLK

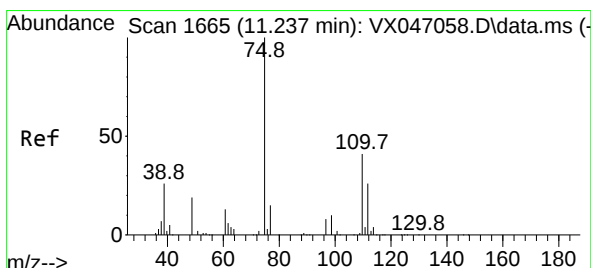
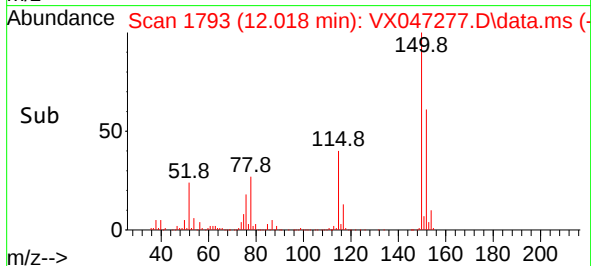
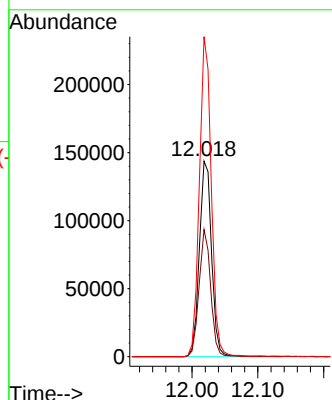
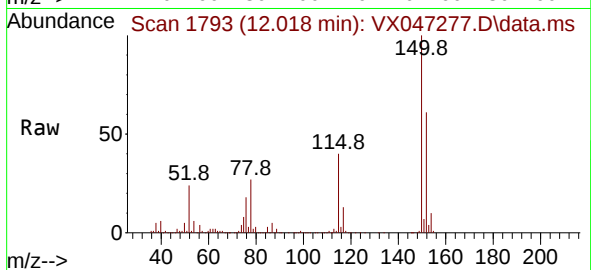
Tgt Ion:152 Resp: 185421

Ion Ratio Lower Upper

152 100

115 62.1 45.6 136.7

150 159.4 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 25.767 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047277.D

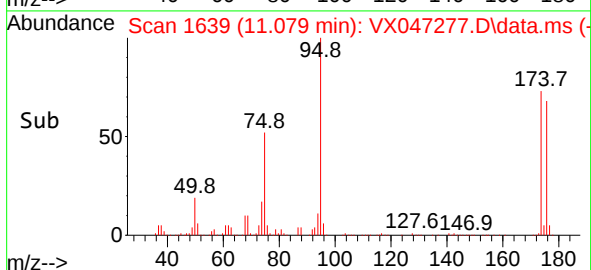
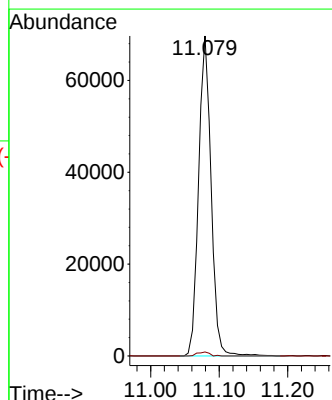
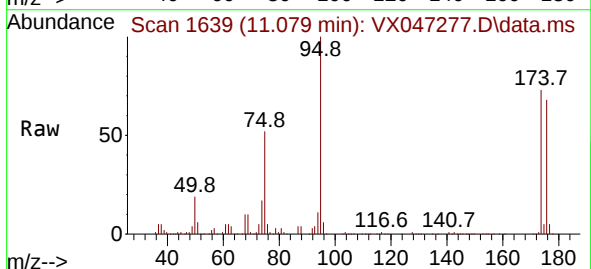
Acq: 08 Aug 2025 17:15

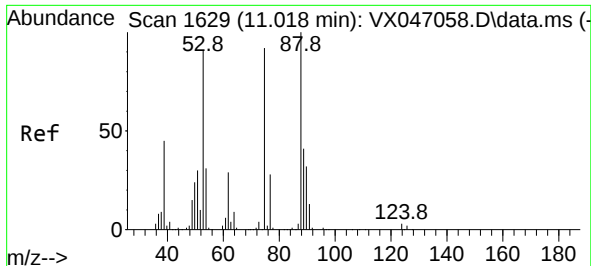
Tgt Ion: 75 Resp: 88435

Ion Ratio Lower Upper

75 100

77 1.2 21.6 65.0#

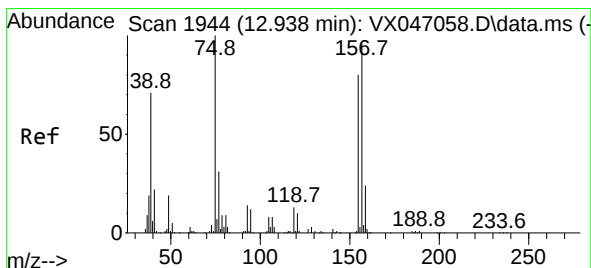
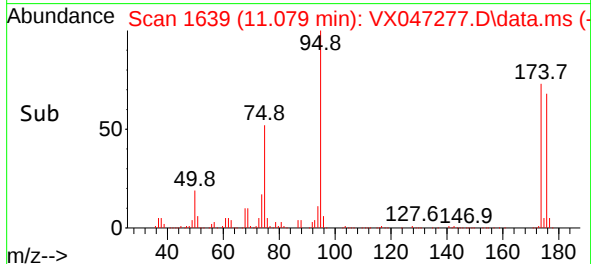
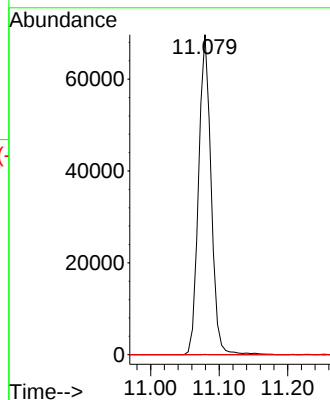
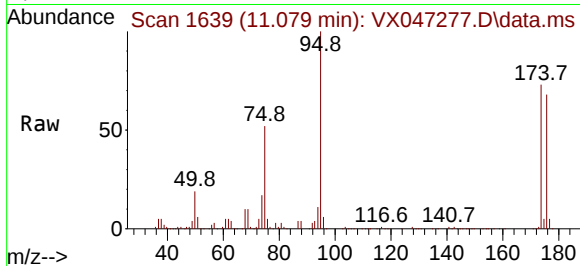




#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.387 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX047277.D
 Acq: 08 Aug 2025 17:15

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 88435
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.2 126.4#
 89 0.0 36.0 54.0#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.431 ug/l
 RT: 12.756 min Scan# 1914
 Delta R.T. -0.183 min
 Lab File: VX047277.D
 Acq: 08 Aug 2025 17:15

Tgt Ion: 75 Resp: 346
 Ion Ratio Lower Upper
 75 100
 155 6.9 41.3 124.1#
 157 0.0 52.8 158.3#

