

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071825\
 Data File : VX047046.D
 Acq On : 18 Jul 2025 13:57
 Operator : JC/MD
 Sample : Q2581-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Jul 19 04:24:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	451320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	806366	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	758303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	363144	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	320003	53.670	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	107.340%
35) Dibromofluoromethane	5.391	113	265823	48.564	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.120%
50) Toluene-d8	8.653	98	968487	50.149	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.300%
62) 4-Bromofluorobenzene	11.079	95	388421	52.920	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.840%

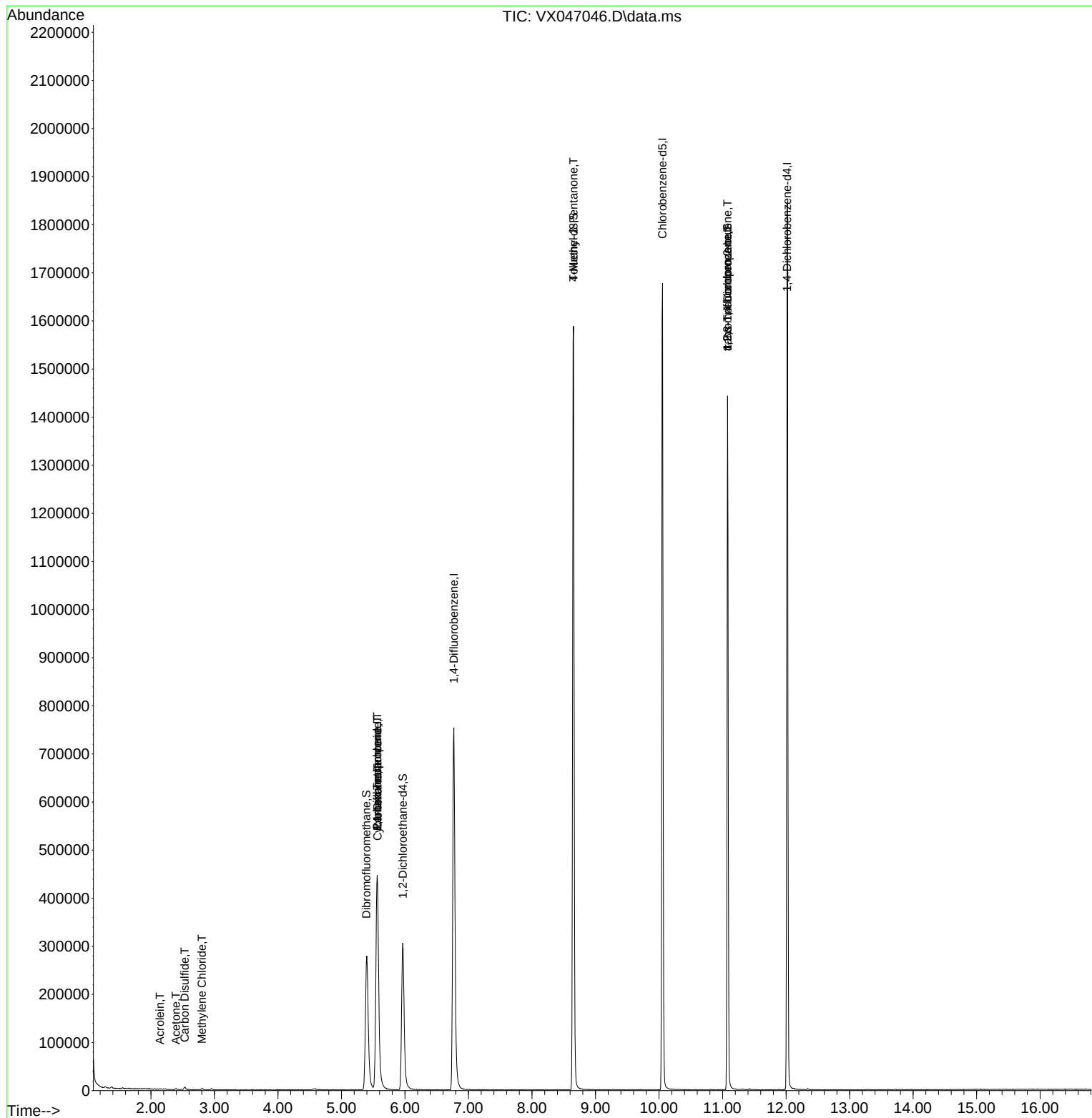
Target Compounds					Qvalue	
13) Acrolein	2.142	56	32	2.908	ug/l	95
16) Acetone	2.392	43	2752	1.486	ug/l	90
17) Carbon Disulfide	2.532	76	4721	0.368	ug/l #	94
20) Methylene Chloride	2.800	84	1218	0.222	ug/l #	81
31) Cyclohexane	5.568	56	9934	1.166	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	37797	5.118	ug/l #	50
38) Carbon Tetrachloride	5.562	117	48204	6.174	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	4609	0.811	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	200401	35.715	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	200401	95.842	ug/l #	8

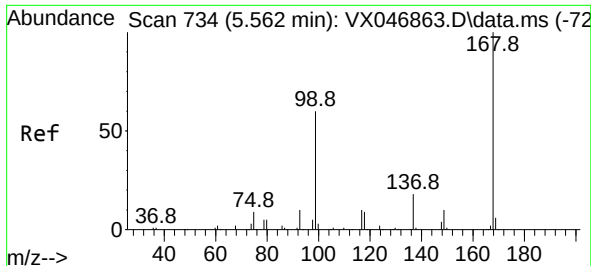
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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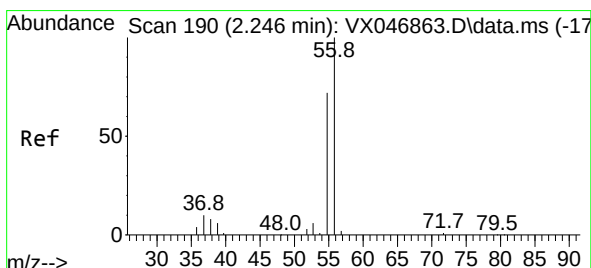
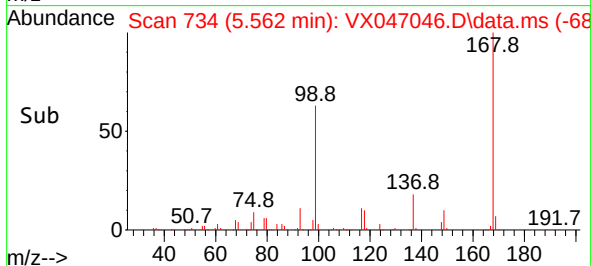
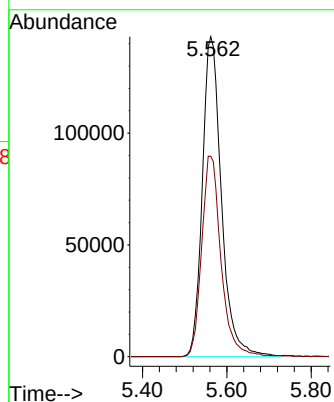
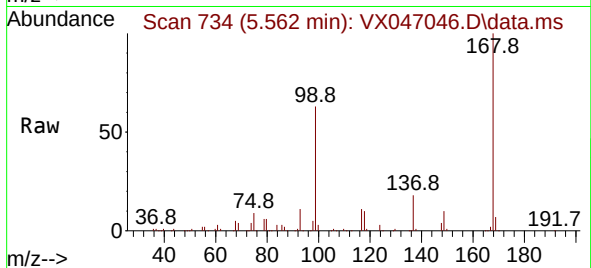




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047046.D
Acq: 18 Jul 2025 13:57

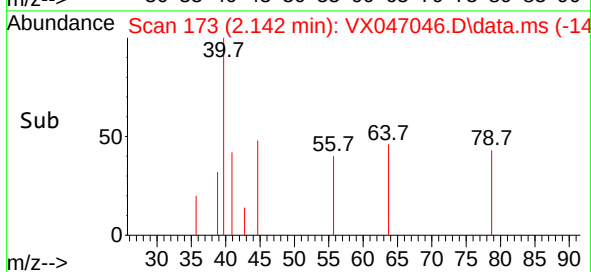
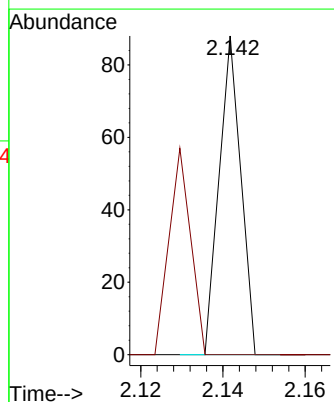
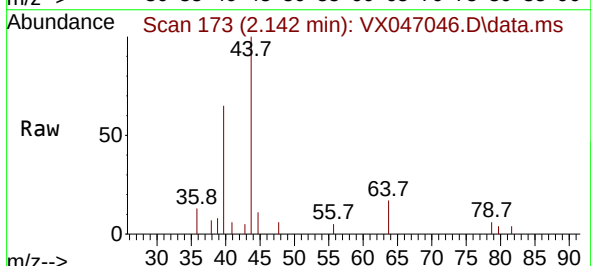
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

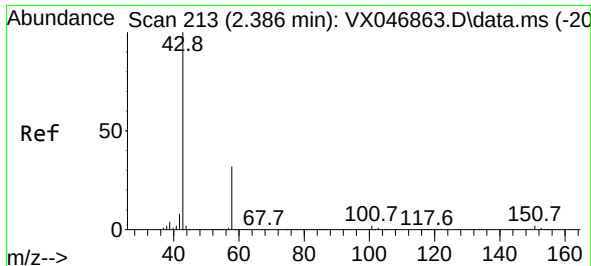
Tgt Ion:168 Resp: 451320
Ion Ratio Lower Upper
168 100
99 62.7 48.8 73.2



#13
Acrolein
Concen: 2.908 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.104 min
Lab File: VX047046.D
Acq: 18 Jul 2025 13:57

Tgt Ion: 56 Resp: 32
Ion Ratio Lower Upper
56 100
55 65.6 55.5 83.3

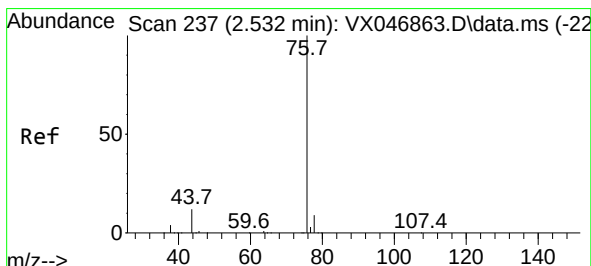
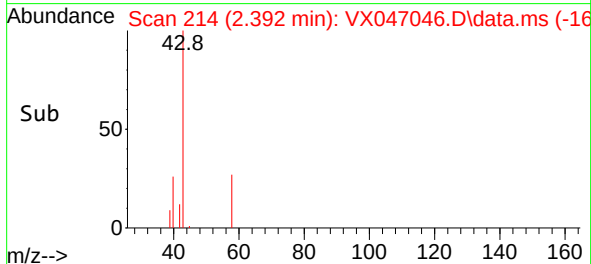
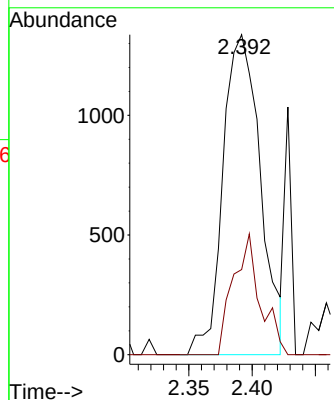
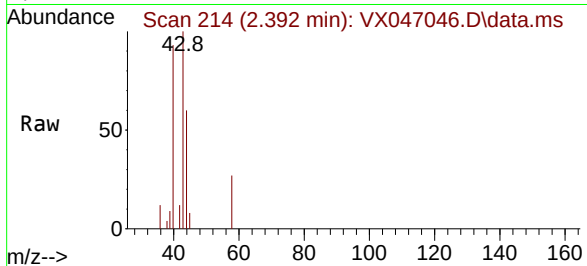




#16
Acetone
Concen: 1.486 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047046.D
Acq: 18 Jul 2025 13:57

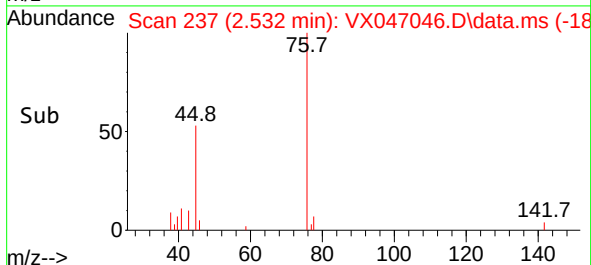
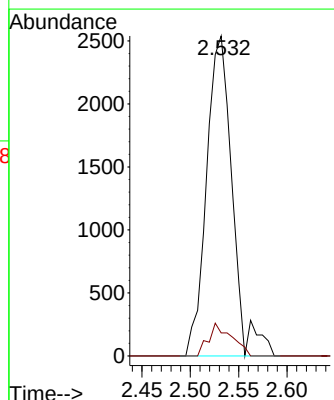
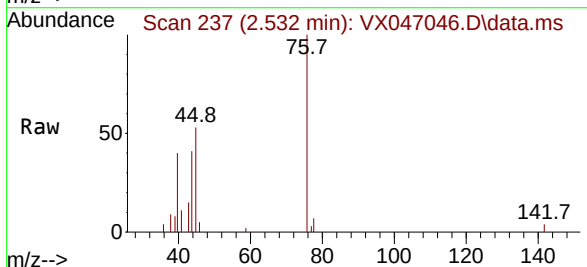
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

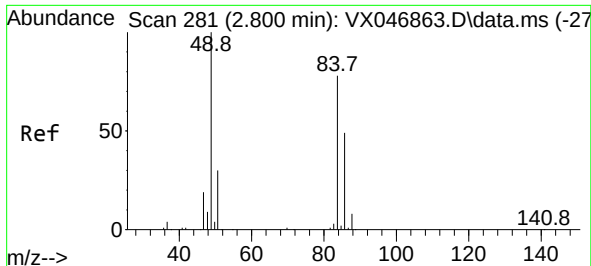
Tgt Ion: 43 Resp: 2752
Ion Ratio Lower Upper
43 100
58 26.6 25.8 38.6



#17
Carbon Disulfide
Concen: 0.368 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.000 min
Lab File: VX047046.D
Acq: 18 Jul 2025 13:57

Tgt Ion: 76 Resp: 4721
Ion Ratio Lower Upper
76 100
78 7.2 7.4 11.2#

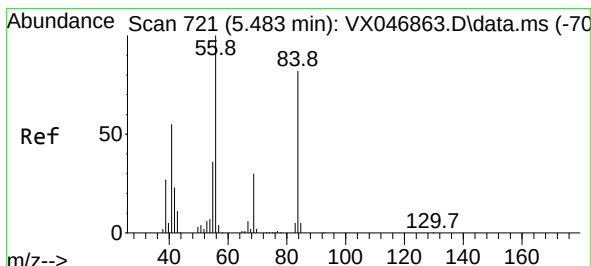
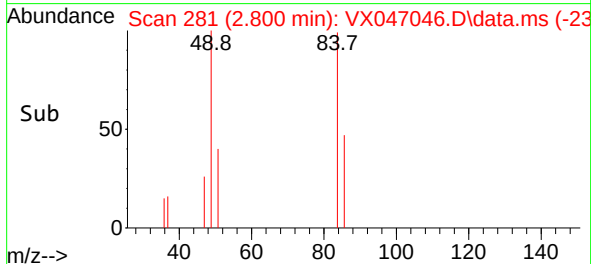
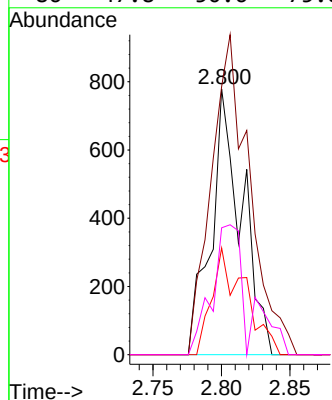
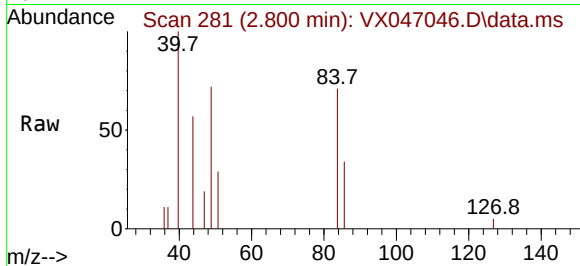




#20
Methylene Chloride
Concen: 0.222 ug/l
RT: 2.800 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047046.D
Acq: 18 Jul 2025 13:57

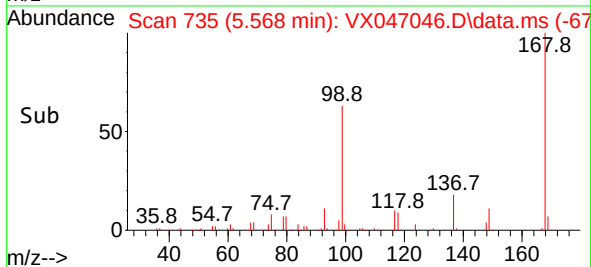
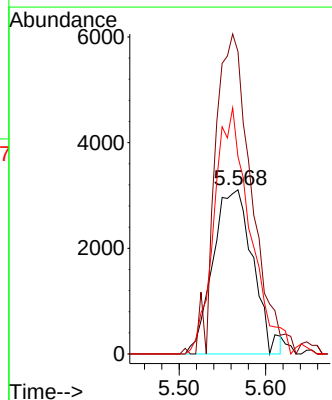
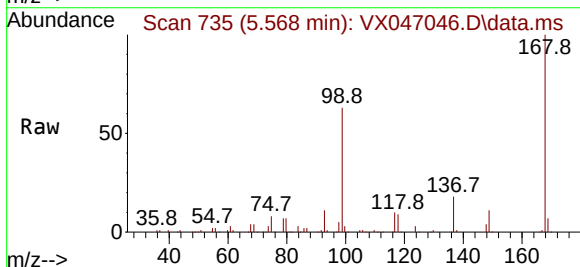
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

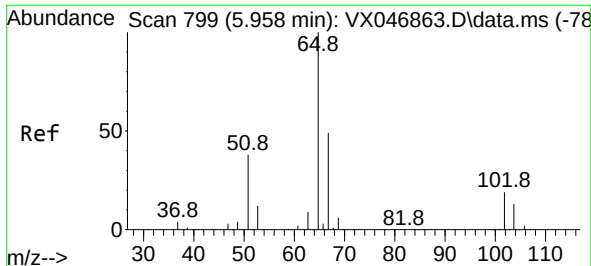
Tgt Ion: 84 Resp: 1218
Ion Ratio Lower Upper
84 100
49 100.9 102.8 154.2#
51 40.2 31.1 46.7
86 47.8 50.6 75.8#



#31
Cyclohexane
Concen: 1.166 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.085 min
Lab File: VX047046.D
Acq: 18 Jul 2025 13:57

Tgt Ion: 56 Resp: 9934
Ion Ratio Lower Upper
56 100
69 184.3 24.0 36.0#
84 120.2 66.5 99.7#





#33

1,2-Dichloroethane-d4

Concen: 53.670 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX047046.D

Acq: 18 Jul 2025 13:57

Instrument :

MSVOA_X

ClientSampleId :

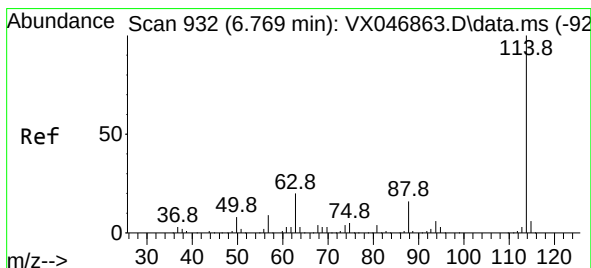
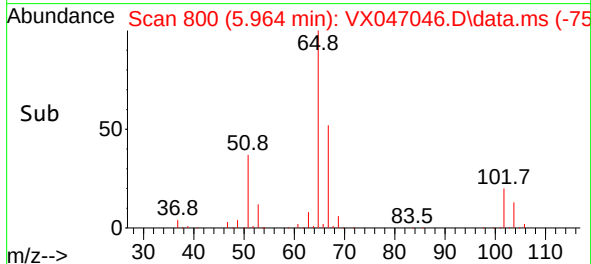
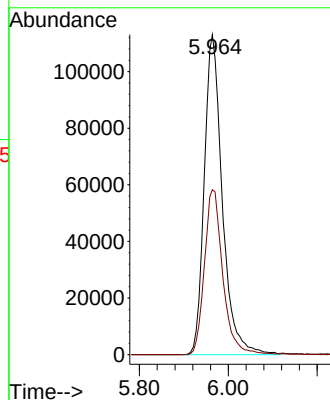
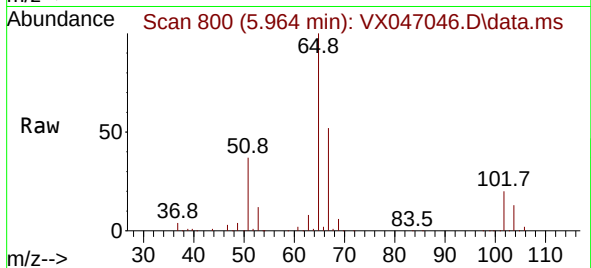
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion: 65 Resp: 320003

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX047046.D

Acq: 18 Jul 2025 13:57

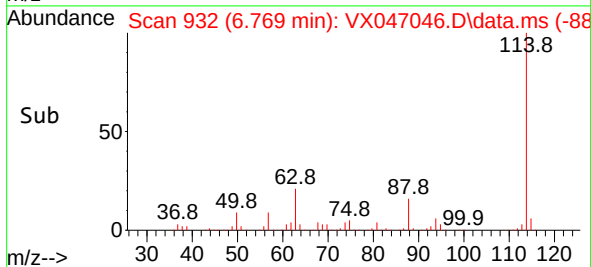
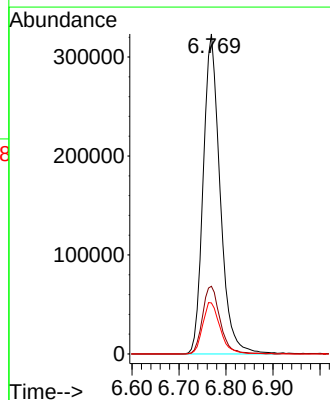
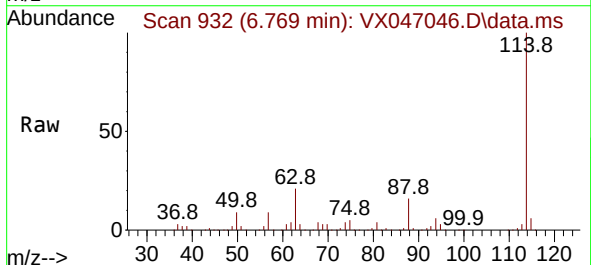
Tgt Ion:114 Resp: 806366

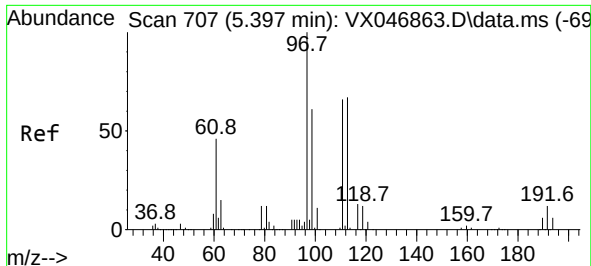
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.4

88 15.9 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.564 ug/l

RT: 5.391 min Scan# 707

Delta R.T. -0.006 min

Lab File: VX047046.D

Acq: 18 Jul 2025 13:57

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

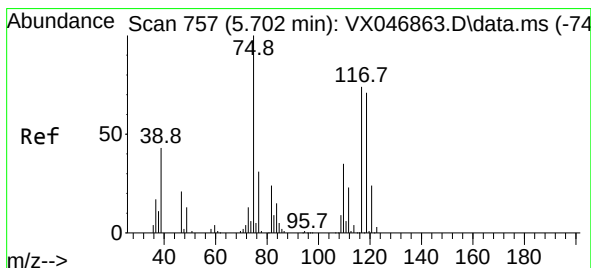
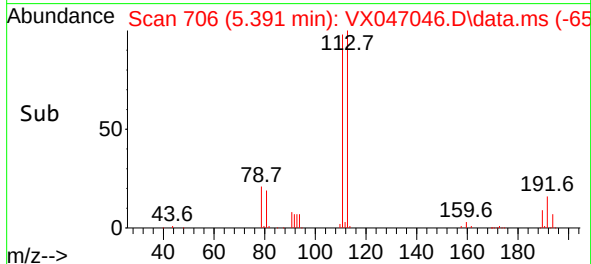
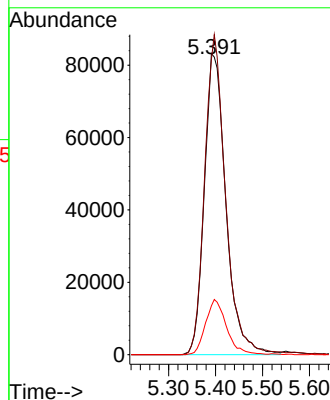
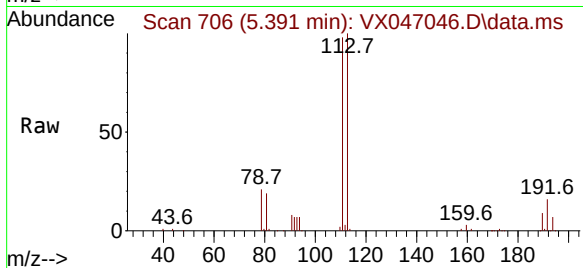
Tgt Ion:113 Resp: 265823

Ion Ratio Lower Upper

113 100

111 102.7 81.2 121.8

192 17.8 15.3 22.9



#36

1,1-Dichloropropene

Concen: 5.118 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX047046.D

Acq: 18 Jul 2025 13:57

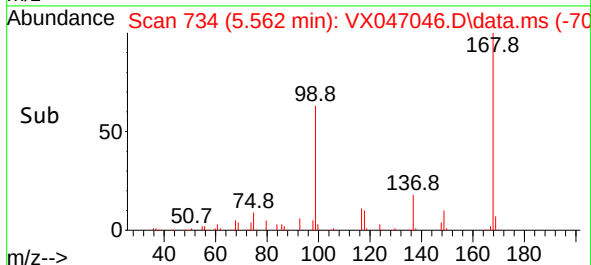
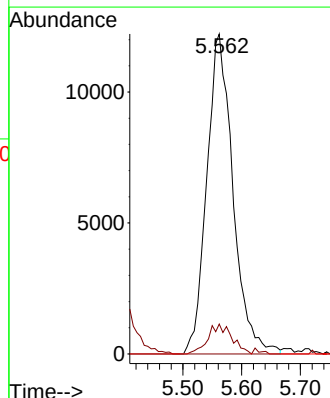
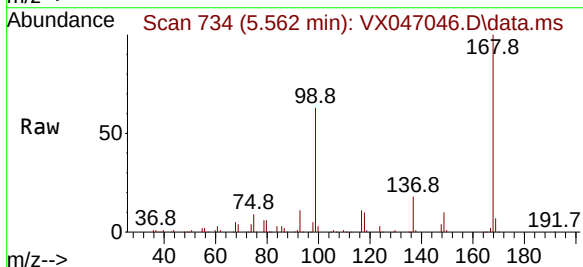
Tgt Ion: 75 Resp: 37797

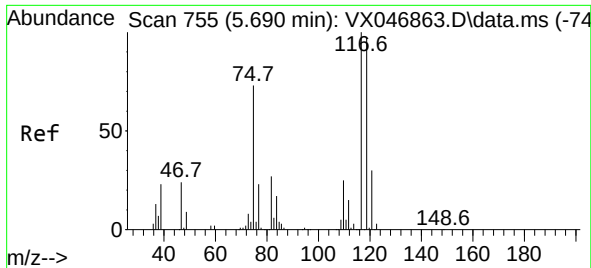
Ion Ratio Lower Upper

75 100

110 8.5 17.3 51.9#

77 0.0 24.2 36.4#

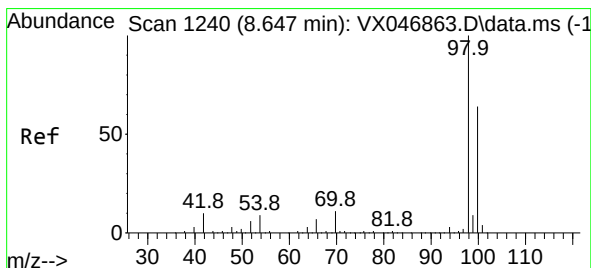
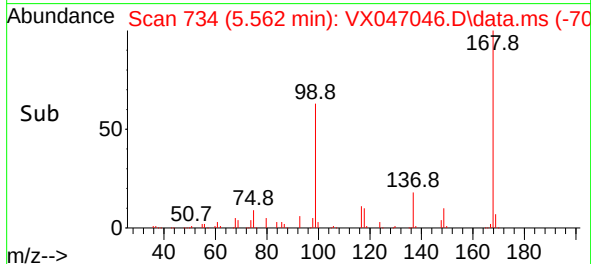
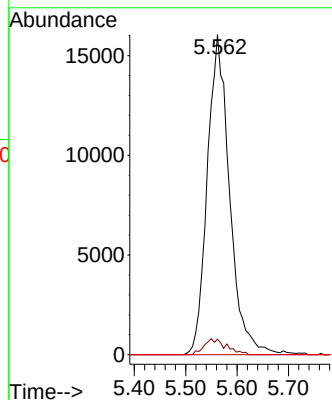
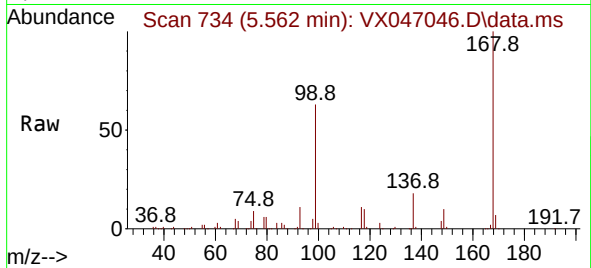




#38
Carbon Tetrachloride
Concen: 6.174 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047046.D
Acq: 18 Jul 2025 13:57

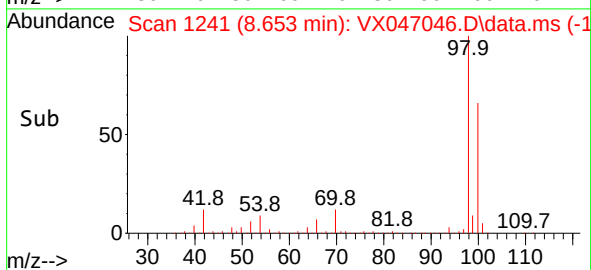
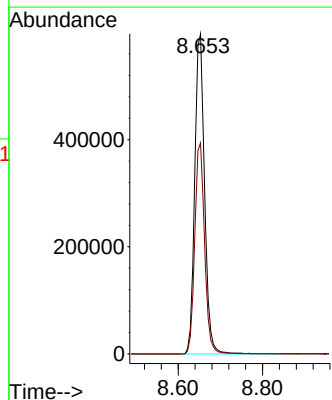
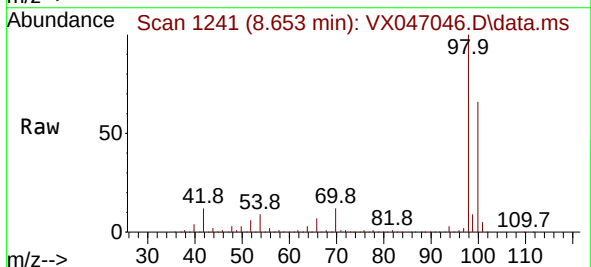
Instrument :
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STORAGE-BLANK-SAMPLE-MANAGEMENT

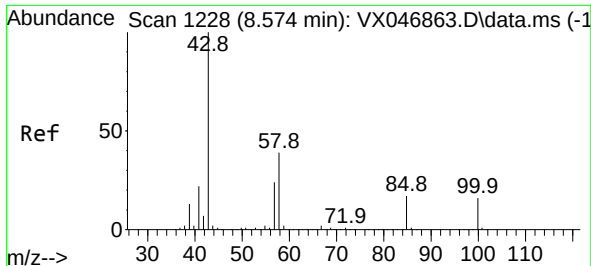
Tgt Ion:117 Resp: 48204
Ion Ratio Lower Upper
117 100
119 4.9 76.6 114.8#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 50.149 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX047046.D
Acq: 18 Jul 2025 13:57

Tgt Ion: 98 Resp: 968487
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 0.811 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX047046.D

Acq: 18 Jul 2025 13:57

Instrument :

MSVOA_X

ClientSampleId :

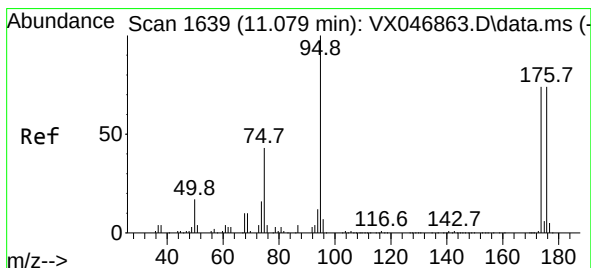
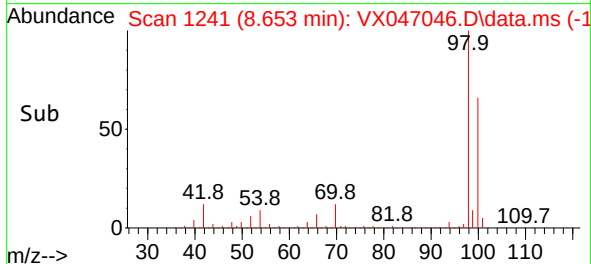
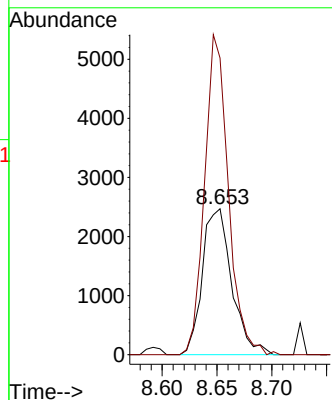
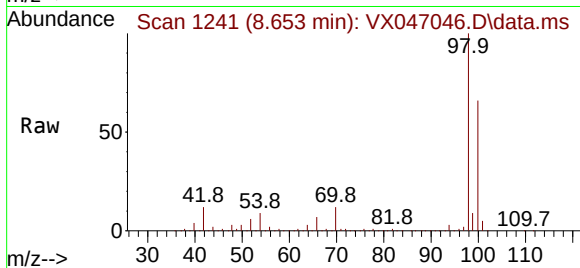
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion: 43 Resp: 4609

Ion Ratio Lower Upper

43 100

58 177.3 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 52.920 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX047046.D

Acq: 18 Jul 2025 13:57

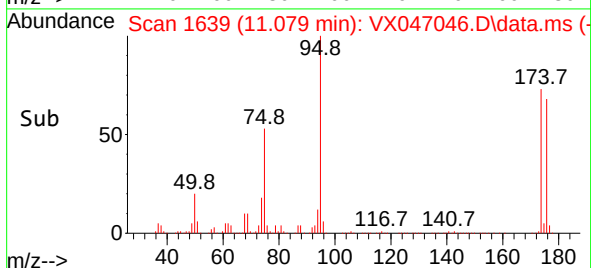
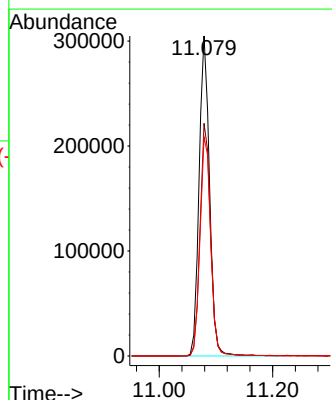
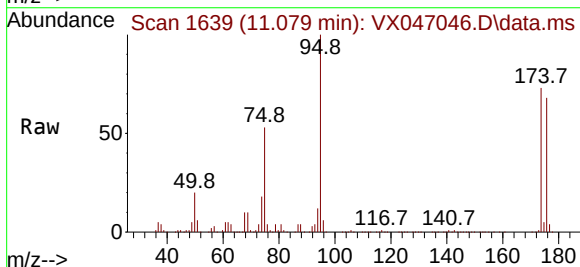
Tgt Ion: 95 Resp: 388421

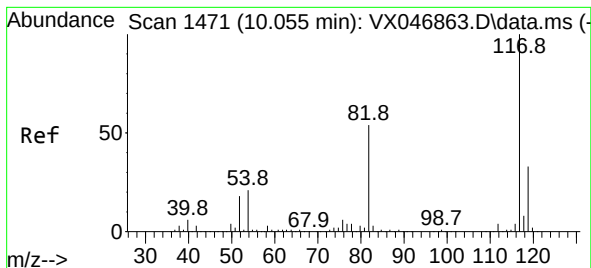
Ion Ratio Lower Upper

95 100

174 73.3 0.0 152.0

176 70.2 0.0 145.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX047046.D

Acq: 18 Jul 2025 13:57

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

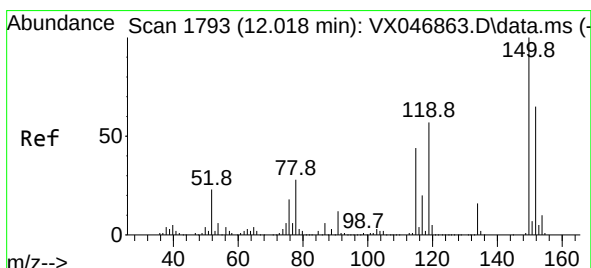
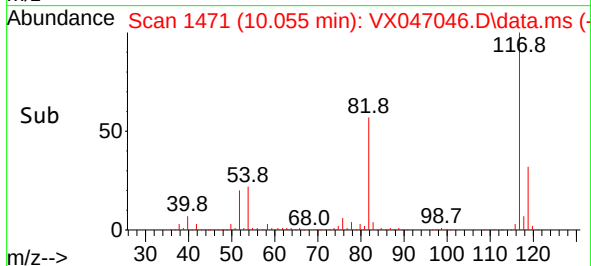
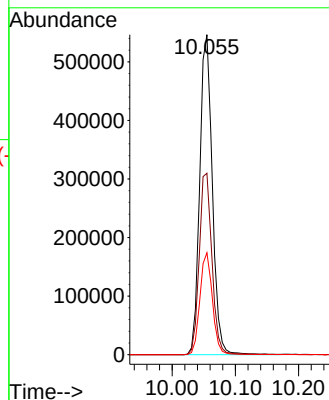
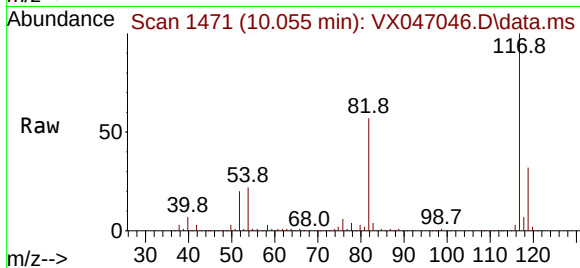
Tgt Ion:117 Resp: 758303

Ion Ratio Lower Upper

117 100

82 56.7 43.3 64.9

119 31.9 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX047046.D

Acq: 18 Jul 2025 13:57

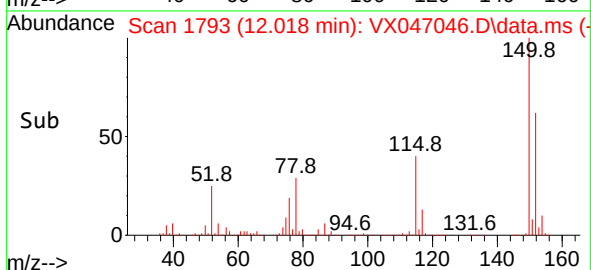
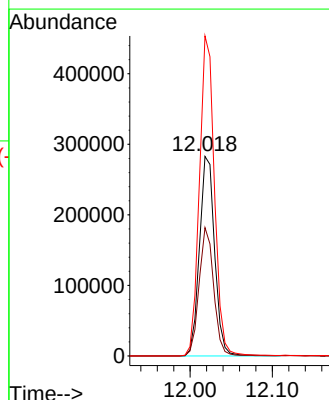
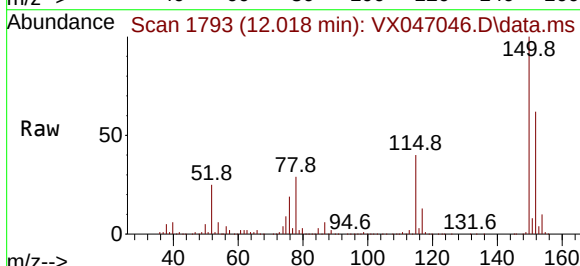
Tgt Ion:152 Resp: 363144

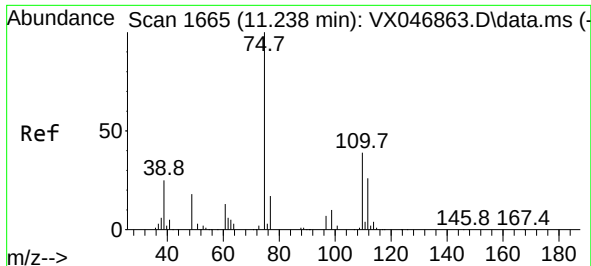
Ion Ratio Lower Upper

152 100

115 62.1 42.4 127.1

150 158.6 0.0 349.2

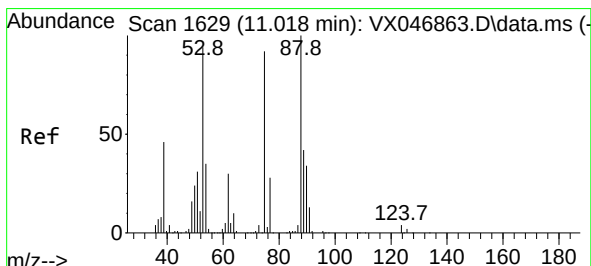
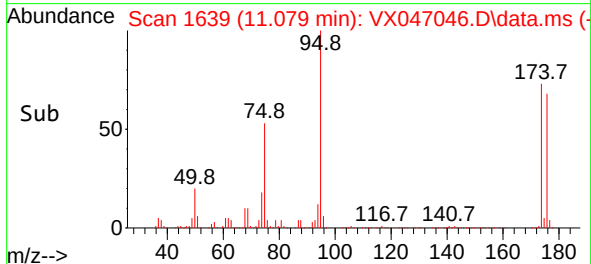
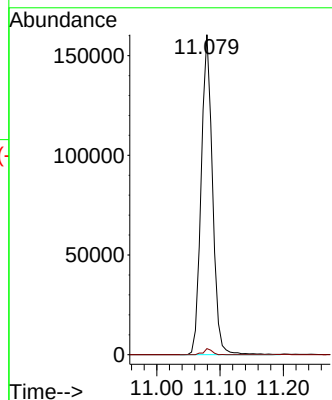
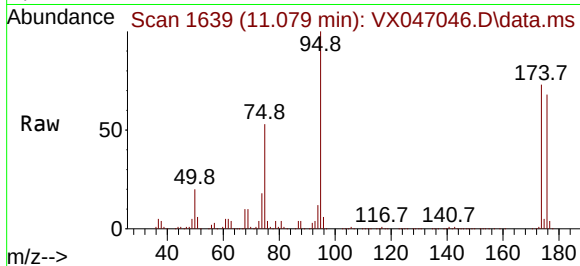




#76
1,2,3-Trichloropropane
Concen: 35.715 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX047046.D
Acq: 18 Jul 2025 13:57

Instrument : MSVOA_X
ClientSampleId : STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion: 75 Resp: 200401
Ion Ratio Lower Upper
75 100
77 1.4 20.6 61.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.842 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047046.D
Acq: 18 Jul 2025 13:57

Tgt Ion: 75 Resp: 200401
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#

