

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100925\
 Data File : VX048086.D
 Acq On : 09 Oct 2025 15:01
 Operator : JC/MD
 Sample : Q3311-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-3

Quant Time: Oct 10 01:25:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

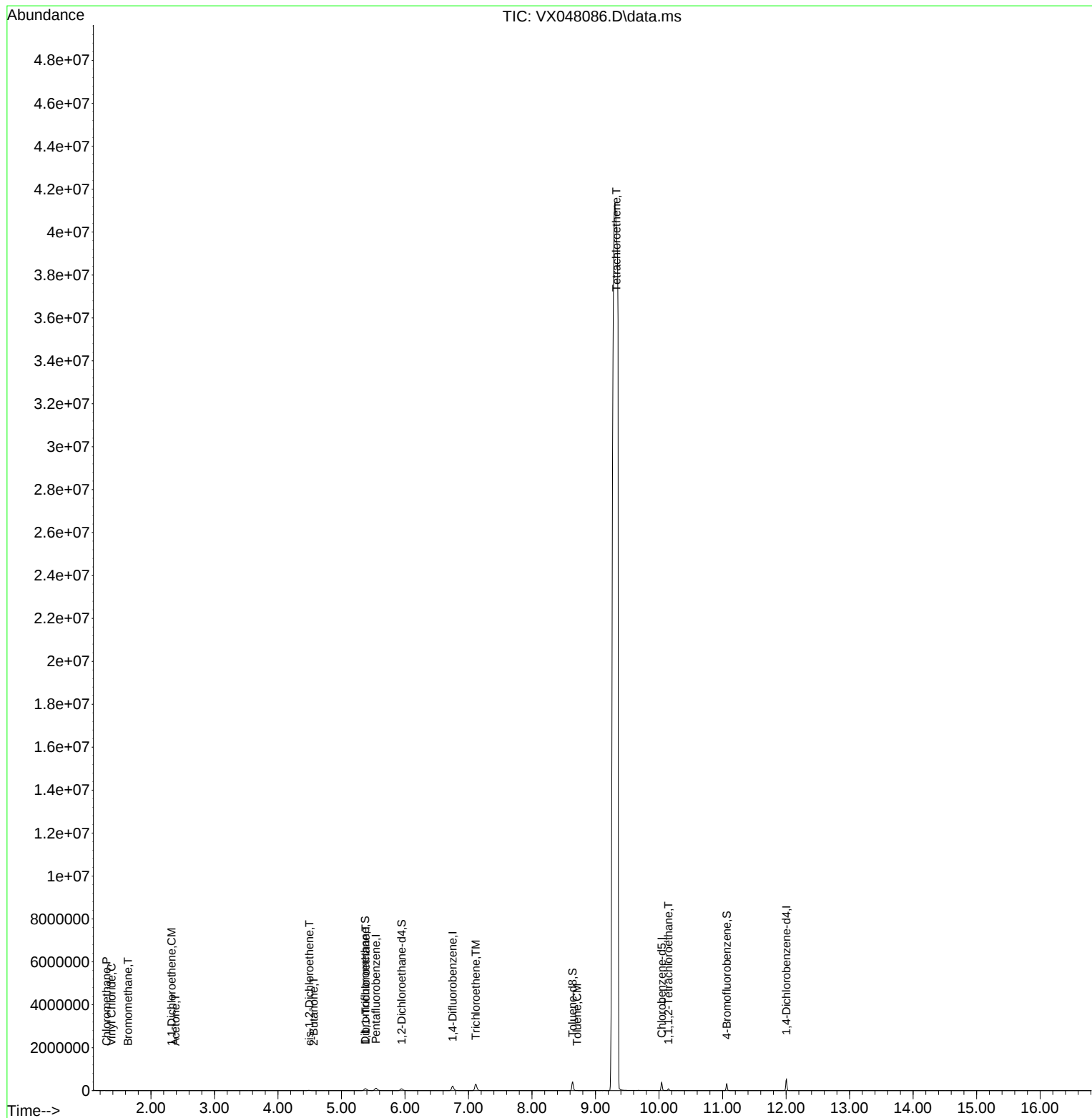
Internal Standards						
1) Pentafluorobenzene	5.543	168	112301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	232634	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.043	117	167533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	104628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	99618	55.729	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.460%
35) Dibromofluoromethane	5.373	113	79043	50.663	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.320%
50) Toluene-d8	8.640	98	263771	48.860	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.720%
62) 4-Bromofluorobenzene	11.067	95	90699	44.269	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.540%
Target Compounds						
						Qvalue
3) Chloromethane	1.300	50	436	0.285	ug/l	95
4) Vinyl Chloride	1.379	62	5633	3.765	ug/l	99
5) Bromomethane	1.636	94	496	0.523	ug/l #	76
12) 1,1-Dichloroethene	2.324	96	1188	0.890	ug/l #	76
16) Acetone	2.385	43	2109	2.713	ug/l #	84
25) 2-Butanone	4.562	43	5414	5.584	ug/l #	82
27) cis-1,2-Dichloroethene	4.495	96	10874	6.181	ug/l	89
32) 1,1,1-Trichloroethane	5.379	97	15212	6.258	ug/l	98
44) Trichloroethene	7.116	130	132167	78.951	ug/l	94
52) Toluene	8.707	92	2320	0.544	ug/l	93
64) Tetrachloroethene	9.329	164	31541329	28880.321	ug/l	88
66) 1,1,1,2-Tetrachloroethane	10.146	131	19582	14.910	ug/l	98

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

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Quant Title : SW846 8260
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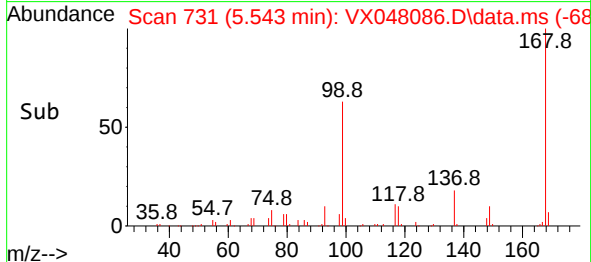
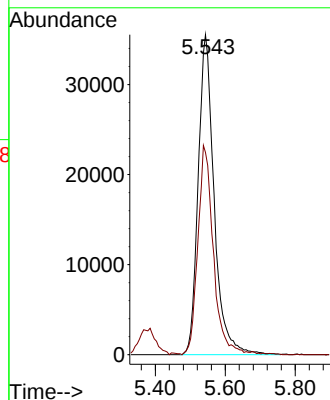
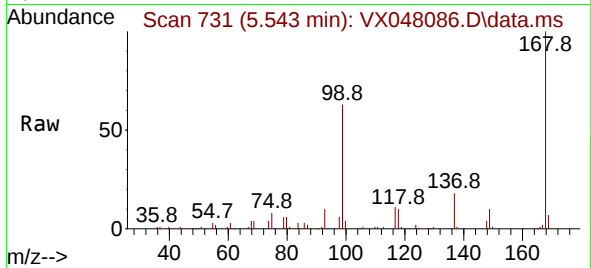




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048086.D
Acq: 09 Oct 2025 15:01

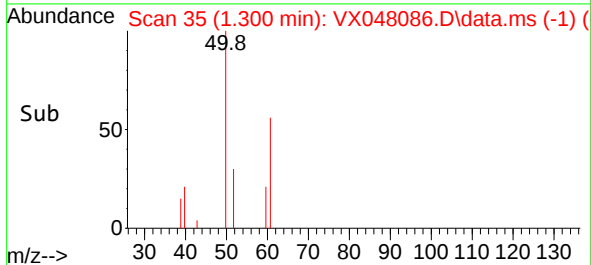
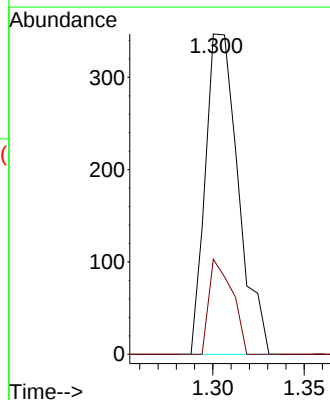
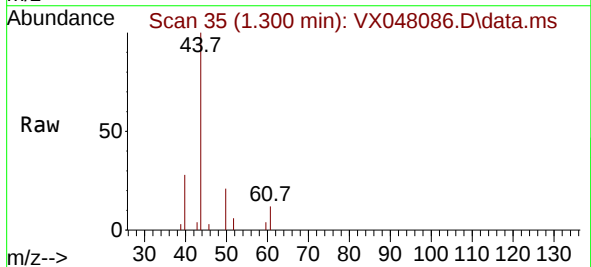
Instrument :
MSVOA_X
ClientSampleId :
C-MW-3

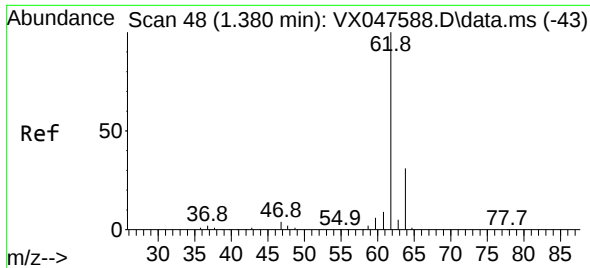
Tgt Ion:168 Resp: 112301
Ion Ratio Lower Upper
168 100
99 63.0 48.8 73.2



#3
Chloromethane
Concen: 0.285 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX048086.D
Acq: 09 Oct 2025 15:01

Tgt Ion: 50 Resp: 436
Ion Ratio Lower Upper
50 100
52 29.7 26.1 39.1

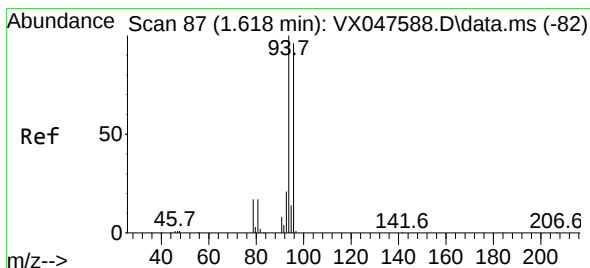
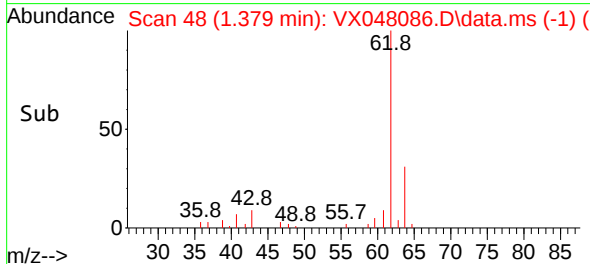
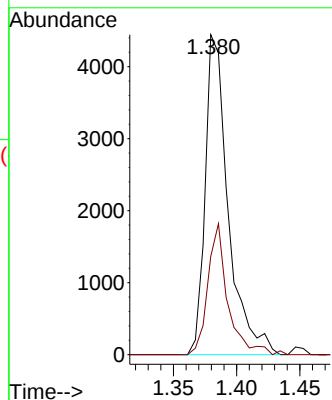
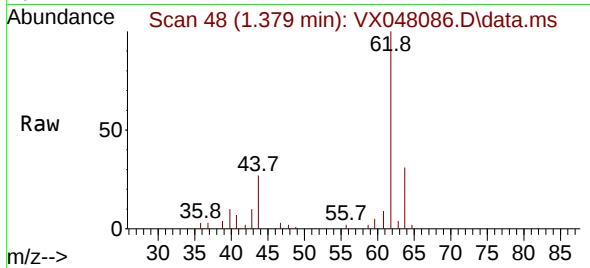




#4
 Vinyl Chloride
 Concen: 3.765 ug/l
 RT: 1.379 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX048086.D
 Acq: 09 Oct 2025 15:01

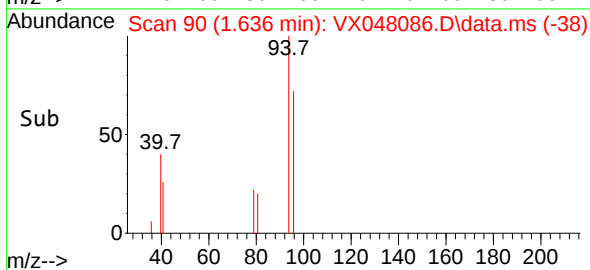
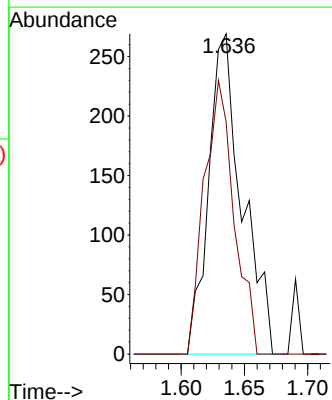
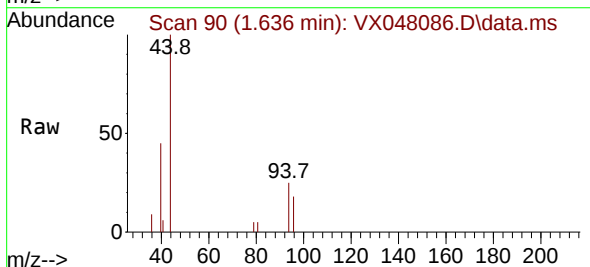
Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-3

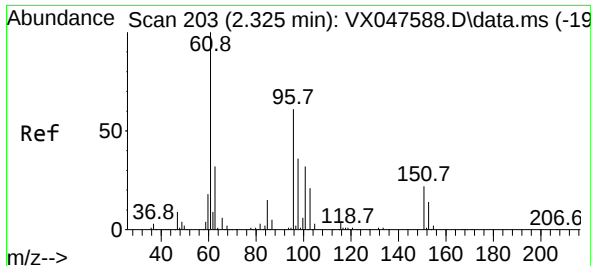
Tgt Ion: 62 Resp: 5633
 Ion Ratio Lower Upper
 62 100
 64 30.7 24.9 37.3



#5
 Bromomethane
 Concen: 0.523 ug/l
 RT: 1.636 min Scan# 90
 Delta R.T. 0.018 min
 Lab File: VX048086.D
 Acq: 09 Oct 2025 15:01

Tgt Ion: 94 Resp: 496
 Ion Ratio Lower Upper
 94 100
 96 72.5 76.6 115.0#





#12

1,1-Dichloroethene

Concen: 0.890 ug/l

RT: 2.324 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX048086.D

Acq: 09 Oct 2025 15:01

Instrument :

MSVOA_X

ClientSampleId :

C-MW-3

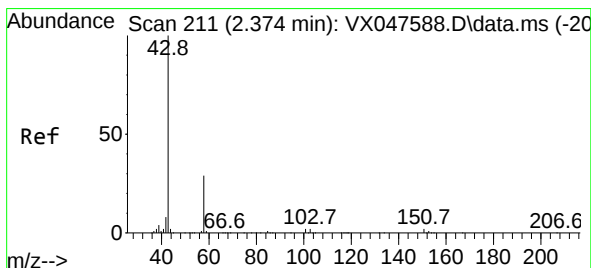
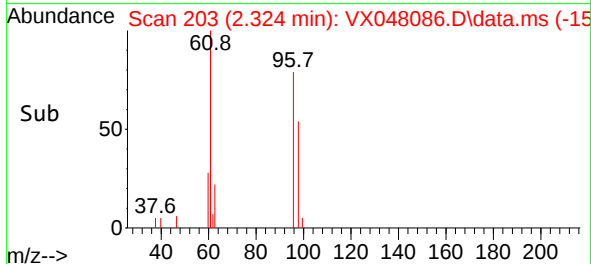
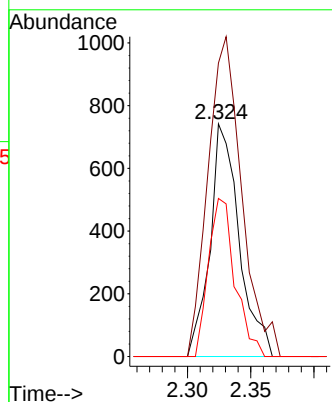
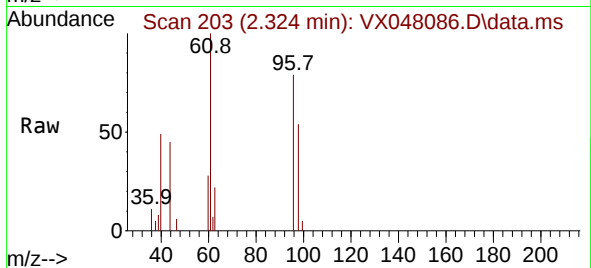
Tgt Ion: 96 Resp: 1188

Ion Ratio Lower Upper

96 100

61 126.1 131.0 196.6#

98 67.9 47.7 71.5



#16

Acetone

Concen: 2.713 ug/l

RT: 2.385 min Scan# 213

Delta R.T. 0.012 min

Lab File: VX048086.D

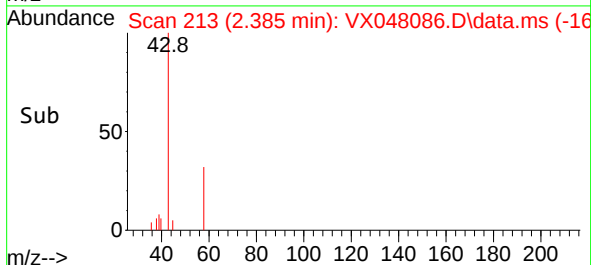
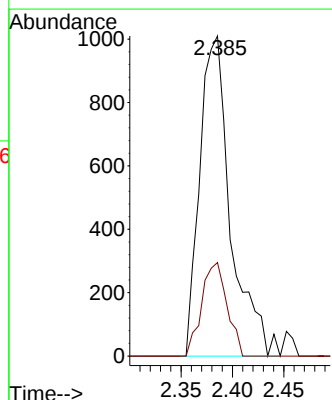
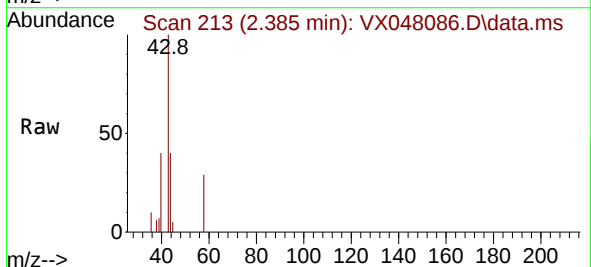
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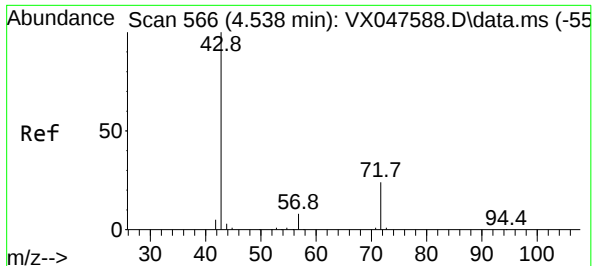
Tgt Ion: 43 Resp: 2109

Ion Ratio Lower Upper

43 100

58 20.9 23.4 35.0#





#25

2-Butanone

Concen: 5.584 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX048086.D

Acq: 09 Oct 2025 15:01

Instrument :

MSVOA_X

ClientSampleId :

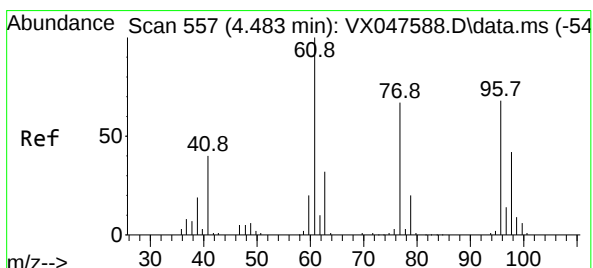
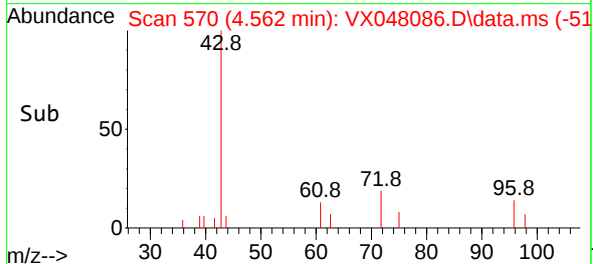
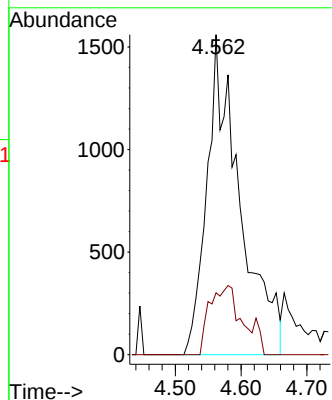
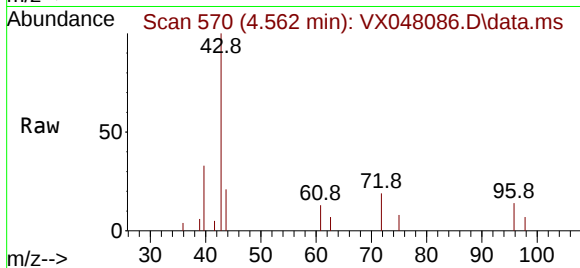
C-MW-3

Tgt Ion: 43 Resp: 5414

Ion Ratio Lower Upper

43 100

72 16.0 20.1 30.1#



#27

cis-1,2-Dichloroethene

Concen: 6.181 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.012 min

Lab File: VX048086.D

Acq: 09 Oct 2025 15:01

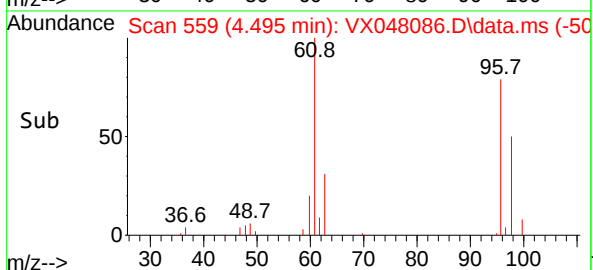
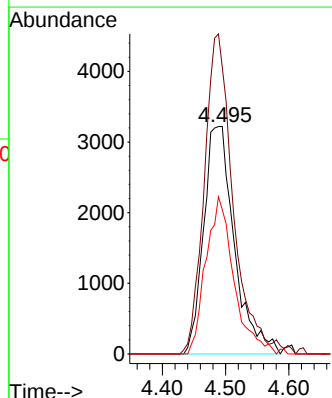
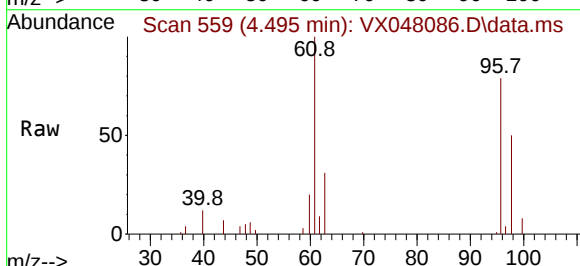
Tgt Ion: 96 Resp: 10874

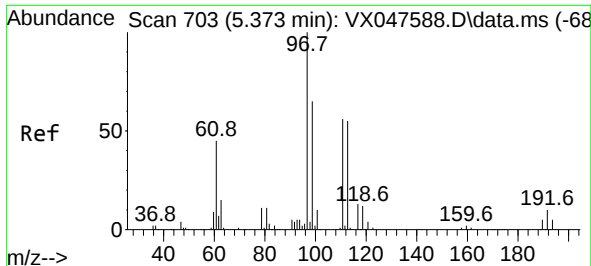
Ion Ratio Lower Upper

96 100

61 132.7 0.0 303.2

98 62.7 0.0 127.8

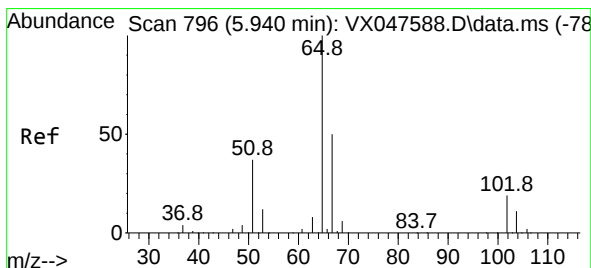
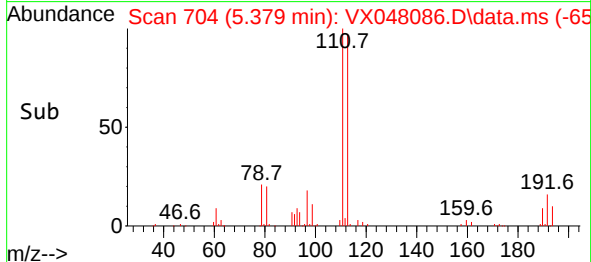
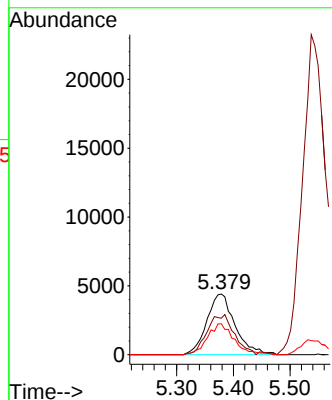
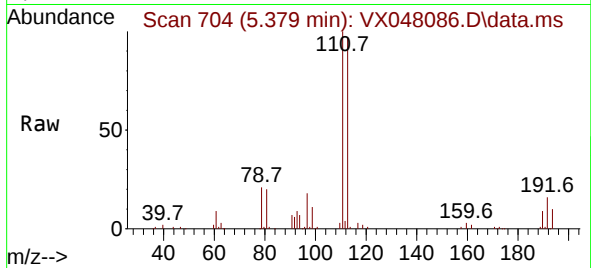




#32
 1,1,1-Trichloroethane
 Concen: 6.258 ug/l
 RT: 5.379 min Scan# 703
 Delta R.T. 0.006 min
 Lab File: VX048086.D
 Acq: 09 Oct 2025 15:01

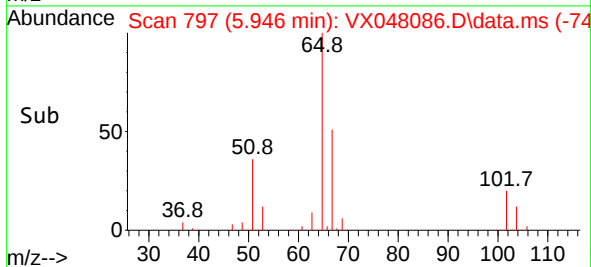
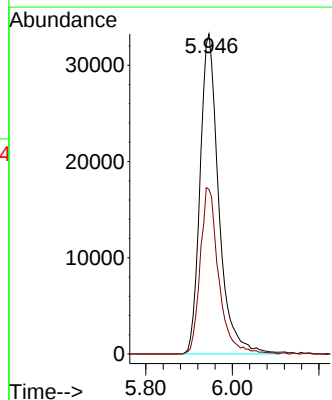
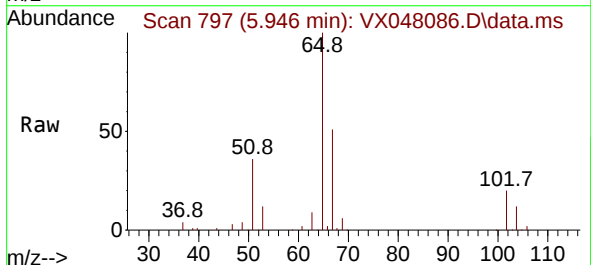
Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-3

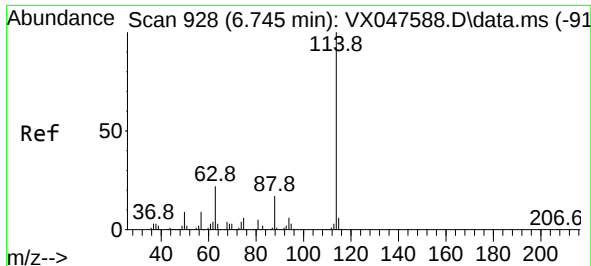
Tgt Ion: 97 Resp: 15212
 Ion Ratio Lower Upper
 97 100
 99 63.4 50.6 76.0
 61 47.9 35.8 53.8



#33
 1,2-Dichloroethane-d4
 Concen: 55.729 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: VX048086.D
 Acq: 09 Oct 2025 15:01

Tgt Ion: 65 Resp: 99618
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.0

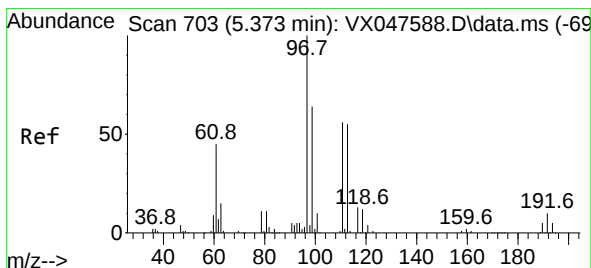
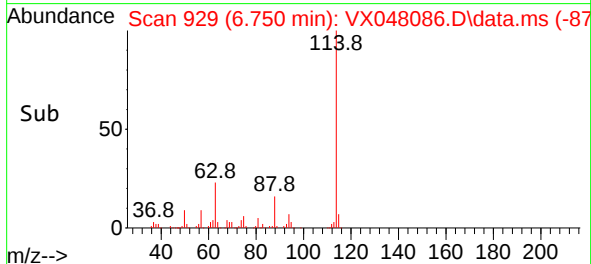
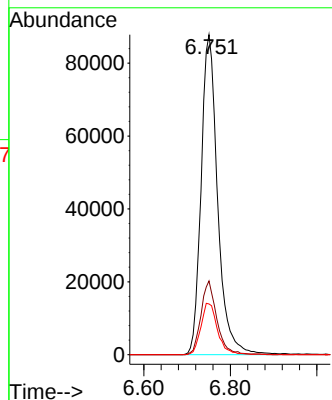
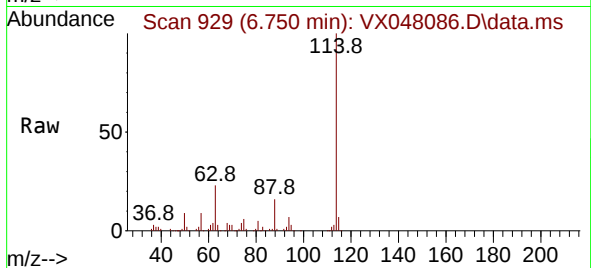




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048086.D
Acq: 09 Oct 2025 15:01

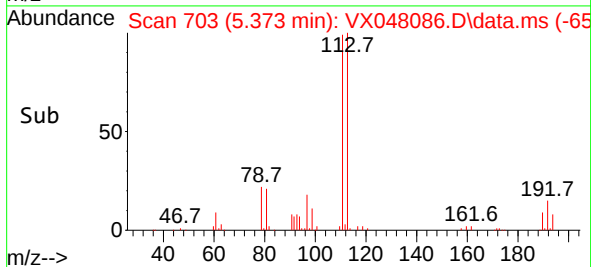
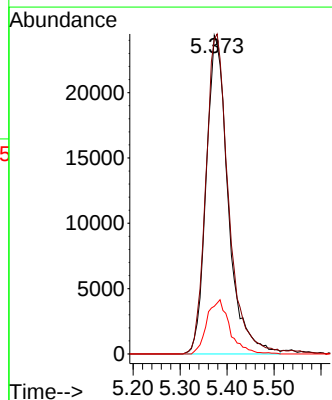
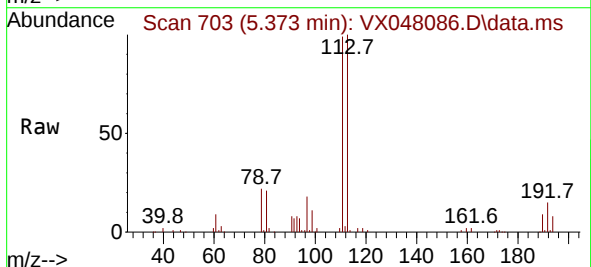
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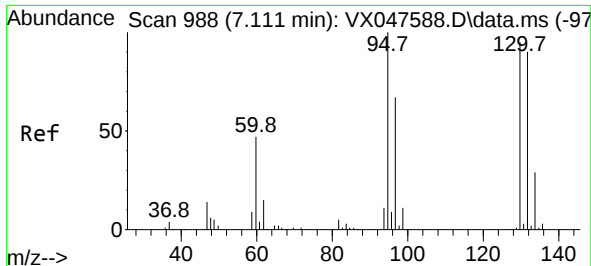
Tgt Ion:114 Resp: 232634
Ion Ratio Lower Upper
114 100
63 23.1 0.0 44.0
88 15.9 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.663 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048086.D
Acq: 09 Oct 2025 15:01

Tgt Ion:113 Resp: 79043
Ion Ratio Lower Upper
113 100
111 103.9 80.9 121.3
192 17.8 14.2 21.4

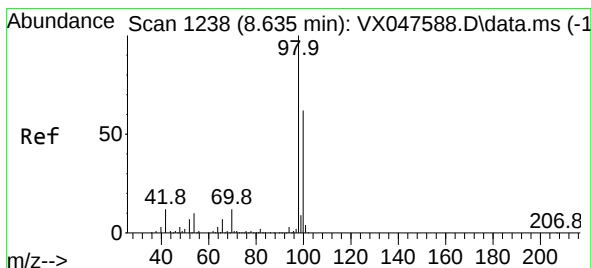
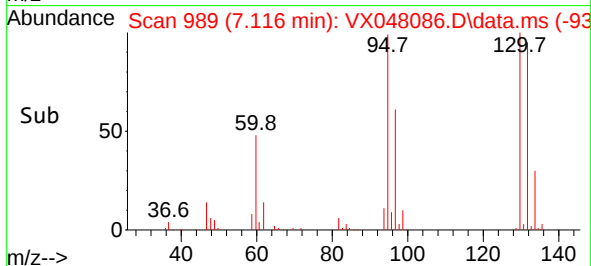
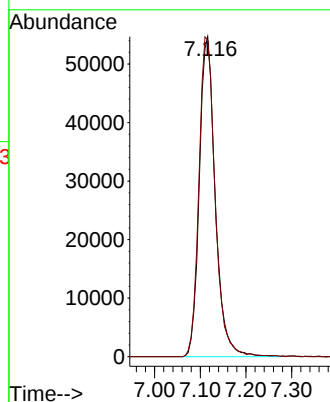
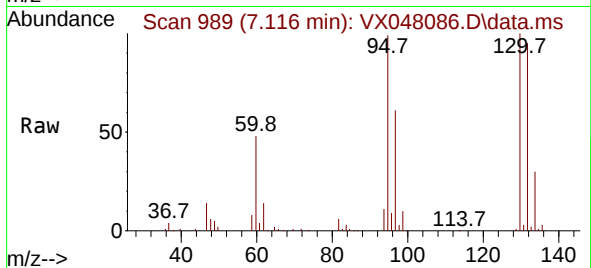




#44
Trichloroethene
Concen: 78.951 ug/l
RT: 7.116 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048086.D
Acq: 09 Oct 2025 15:01

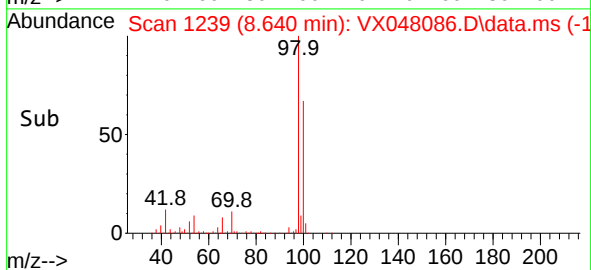
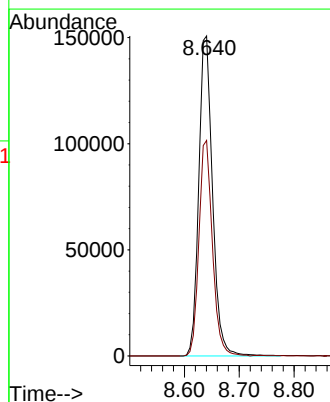
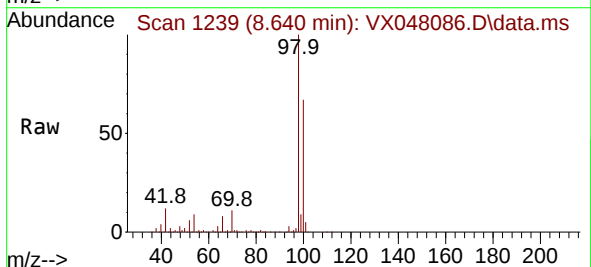
Instrument :
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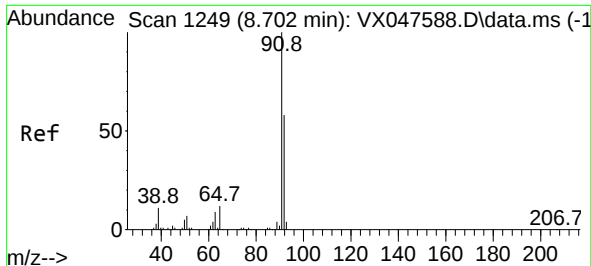
Tgt Ion:130 Resp: 132167
Ion Ratio Lower Upper
130 100
95 98.9 0.0 210.8



#50
Toluene-d8
Concen: 48.860 ug/l
RT: 8.640 min Scan# 1239
Delta R.T. 0.006 min
Lab File: VX048086.D
Acq: 09 Oct 2025 15:01

Tgt Ion: 98 Resp: 263771
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.4

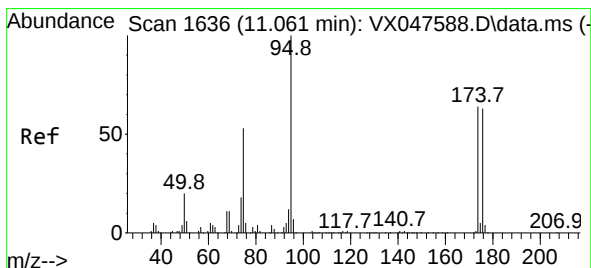
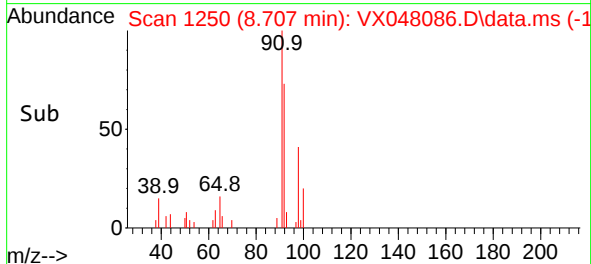
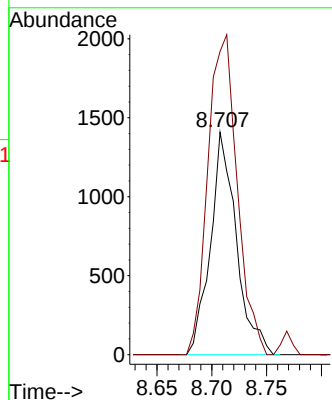
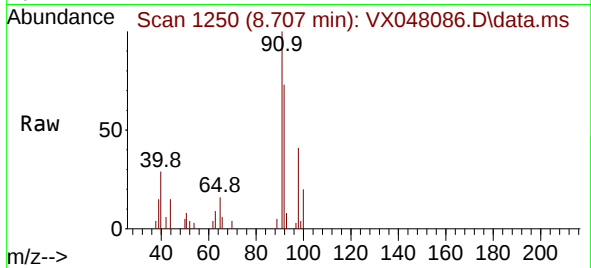




#52
Toluene
Concen: 0.544 ug/l
RT: 8.707 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048086.D
Acq: 09 Oct 2025 15:01

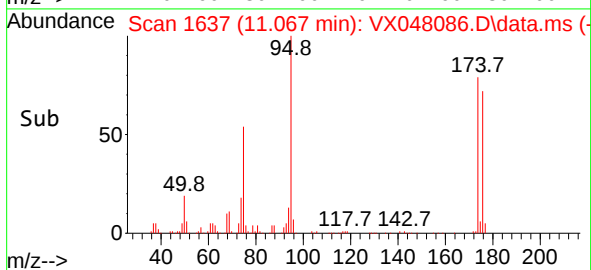
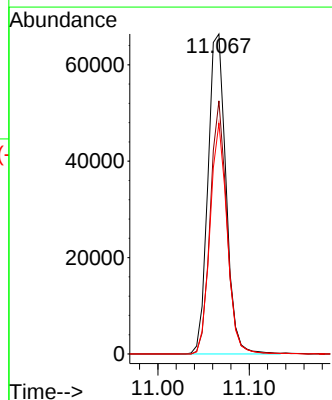
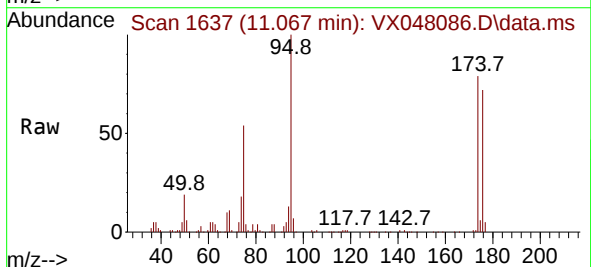
Instrument :
MSVOA_X
ClientSampleId :
C-MW-3

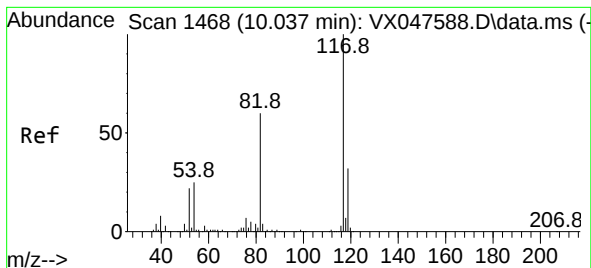
Tgt Ion: 92 Resp: 2320
Ion Ratio Lower Upper
92 100
91 162.4 137.1 205.7



#62
4-Bromofluorobenzene
Concen: 44.269 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048086.D
Acq: 09 Oct 2025 15:01

Tgt Ion: 95 Resp: 90699
Ion Ratio Lower Upper
95 100
174 72.9 0.0 141.6
176 68.3 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.043 min Scan# 1469

Delta R.T. 0.006 min

Lab File: VX048086.D

Acq: 09 Oct 2025 15:01

Instrument :

MSVOA_X

ClientSampleId :

C-MW-3

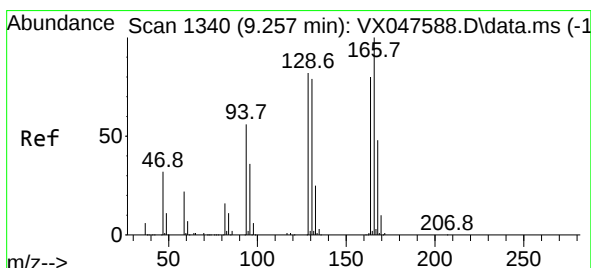
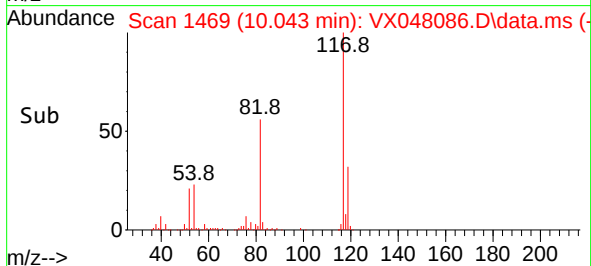
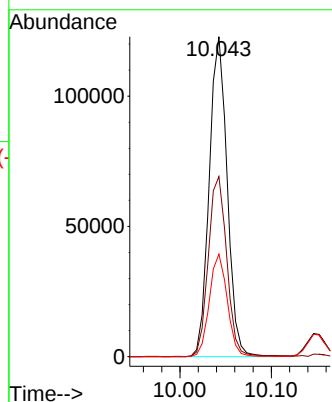
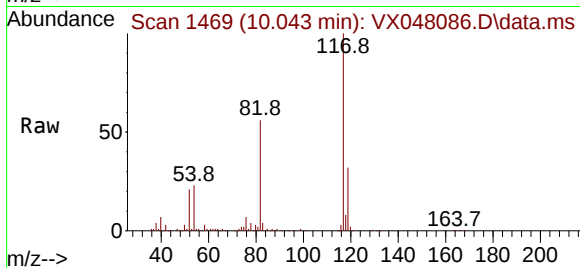
Tgt Ion:117 Resp: 167533

Ion Ratio Lower Upper

117 100

82 56.2 47.8 71.6

119 32.0 25.2 37.8



#64

Tetrachloroethene

Concen: 28880.321 ug/l

RT: 9.329 min Scan# 1352

Delta R.T. 0.073 min

Lab File: VX048086.D

Acq: 09 Oct 2025 15:01

Tgt Ion:164 Resp:31541329

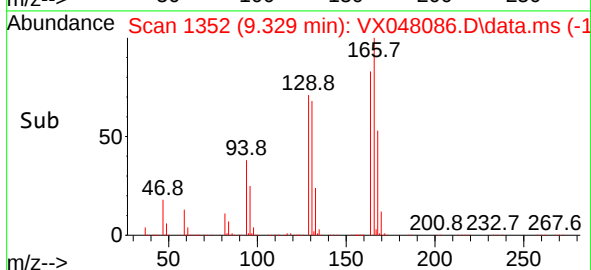
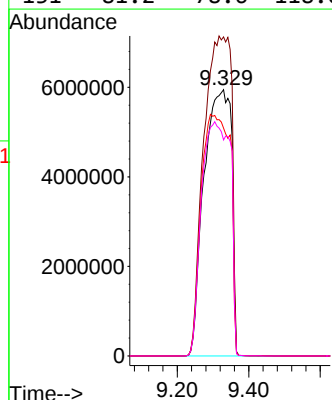
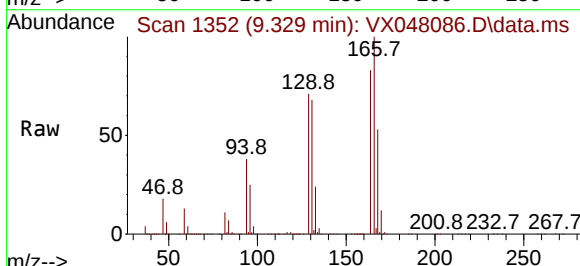
Ion Ratio Lower Upper

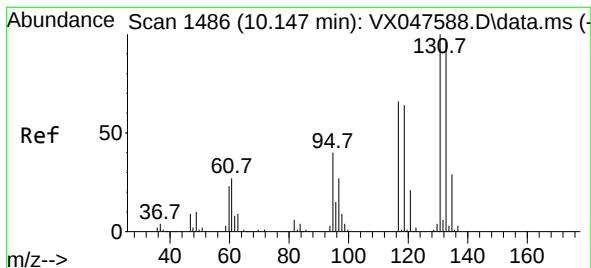
164 100

166 119.8 100.2 150.2

129 85.6 81.8 122.6

131 81.2 78.6 118.0

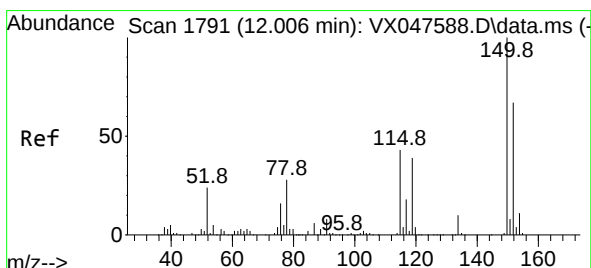
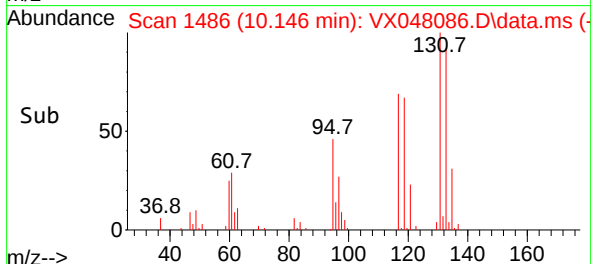
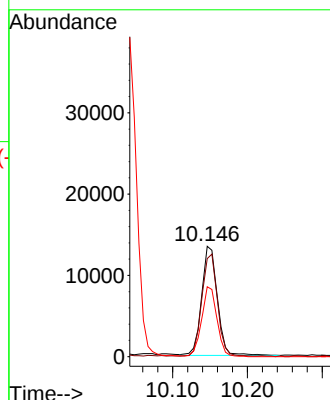
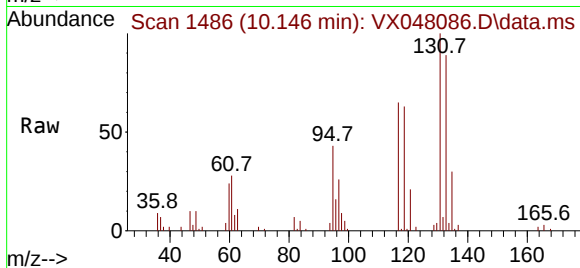




#66
1,1,1,2-Tetrachloroethane
Concen: 14.910 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048086.D
Acq: 09 Oct 2025 15:01

Instrument :
MSVOA_X
ClientSampleId :
C-MW-3

Tgt Ion:131 Resp: 19582
Ion Ratio Lower Upper
131 100
133 92.2 47.3 142.0
119 62.7 32.0 96.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048086.D
Acq: 09 Oct 2025 15:01

Tgt Ion:152 Resp: 104628
Ion Ratio Lower Upper
152 100
115 62.1 44.9 134.5
150 156.5 0.0 352.0

