

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092625\
 Data File : VX047865.D
 Acq On : 26 Sep 2025 17:34
 Operator : JC/MD
 Sample : Q3156-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW9-MW01D1-20250919

Quant Time: Sep 26 23:19:07 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)

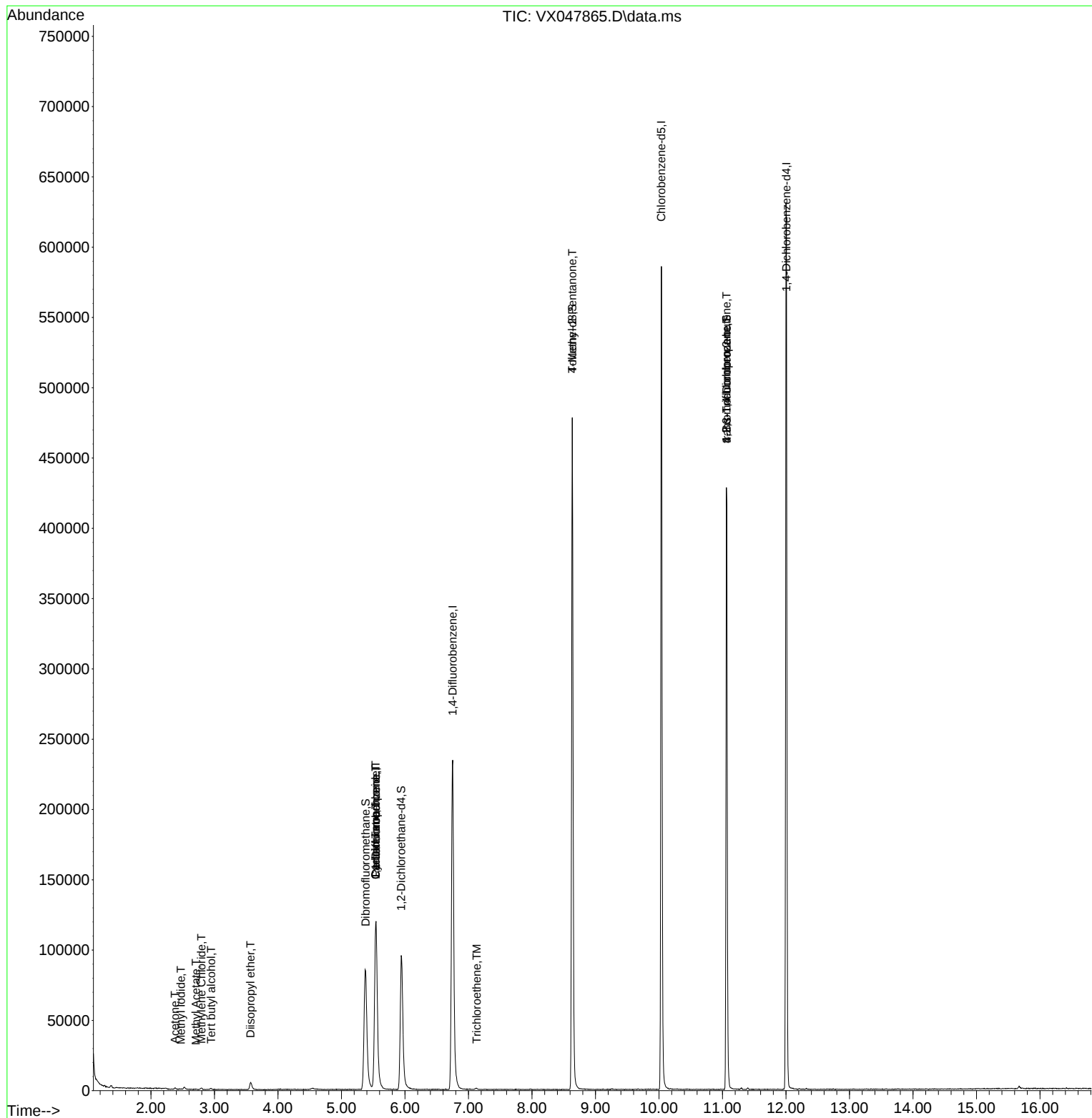
Internal Standards						
1) Pentafluorobenzene	5.544	168	119466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	255411	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	266668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	135401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	103471	54.413	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.820%			
35) Dibromofluoromethane	5.379	113	84965	49.602	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.200%			
50) Toluene-d8	8.635	98	288704	48.709	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.420%			
62) 4-Bromofluorobenzene	11.061	95	126580	56.272	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.540%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.471	142	433	0.201	ug/l #	80
11) Tert butyl alcohol	2.947	59	161	0.760	ug/l #	72
16) Acetone	2.380	43	1394	1.686	ug/l #	73
18) Methyl Acetate	2.709	43	381	0.207	ug/l #	54
20) Methylene Chloride	2.794	84	542	0.310	ug/l #	65
22) Diisopropyl ether	3.569	45	2716	0.478	ug/l #	1
31) Cyclohexane	5.538	56	2811	1.119	ug/l #	26
36) 1,1-Dichloropropene	5.538	75	10652	4.256	ug/l #	50
38) Carbon Tetrachloride	5.538	117	13109	4.820	ug/l #	17
44) Trichloroethene	7.129	130	415	0.226	ug/l	64
51) 4-Methyl-2-Pentanone	8.635	43	1459	0.599	ug/l #	1
76) 1,2,3-Trichloropropane	11.061	75	66159	24.133	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	66159	61.542	ug/l #	8

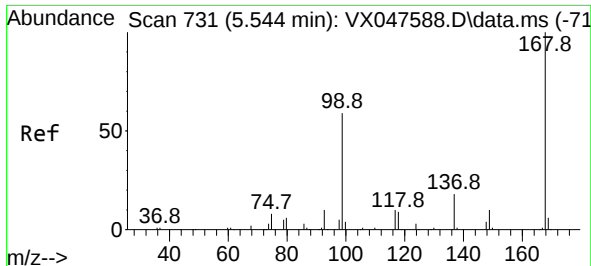
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX047865.D

Acq: 26 Sep 2025 17:34

Instrument :

MSVOA_X

ClientSampleId :

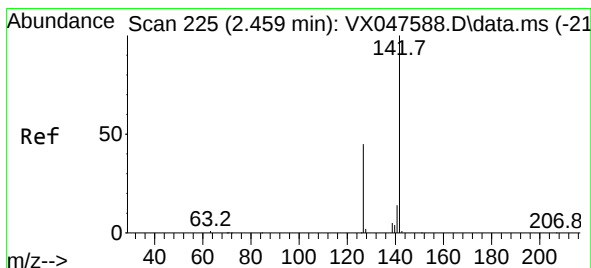
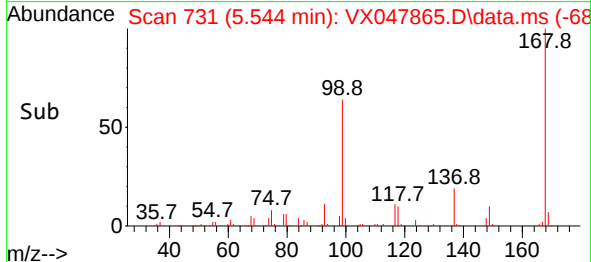
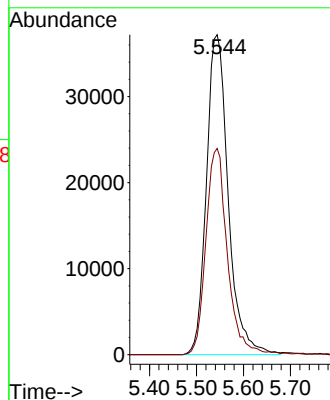
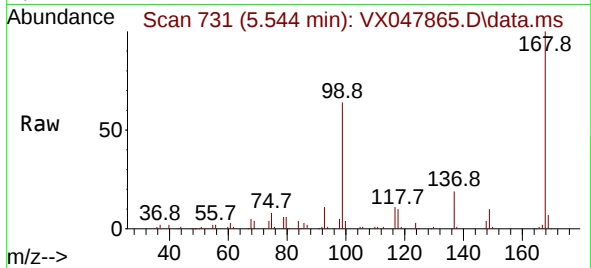
RW9-MW01D1-20250919

Tgt Ion:168 Resp: 119466

Ion Ratio Lower Upper

168 100

99 64.4 48.8 73.2



#10

Methyl Iodide

Concen: 0.201 ug/l

RT: 2.471 min Scan# 227

Delta R.T. 0.012 min

Lab File: VX047865.D

Acq: 26 Sep 2025 17:34

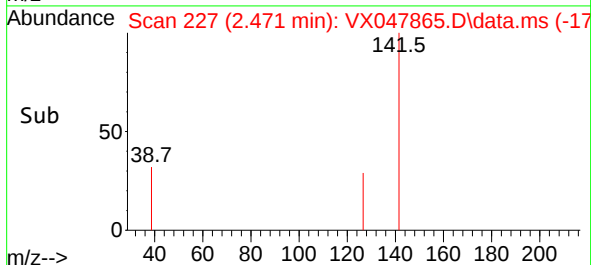
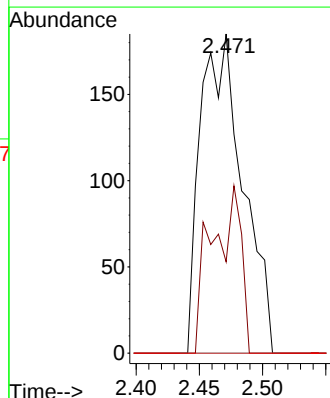
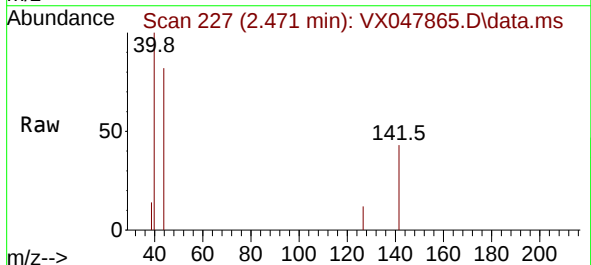
Tgt Ion:142 Resp: 433

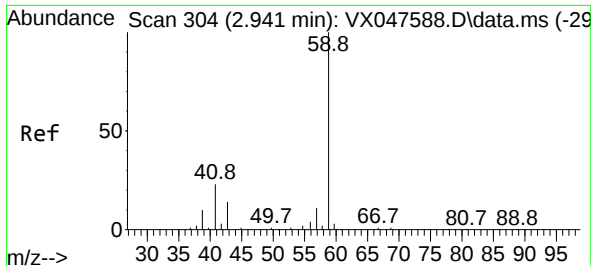
Ion Ratio Lower Upper

142 100

127 36.0 37.2 55.8#

141 0.0 11.4 17.0#

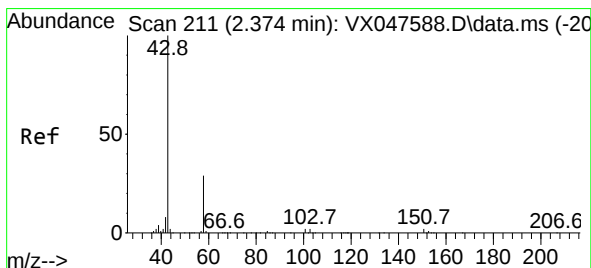
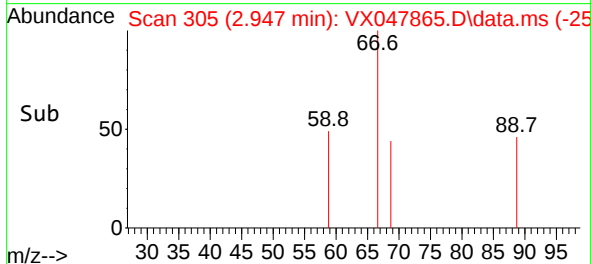
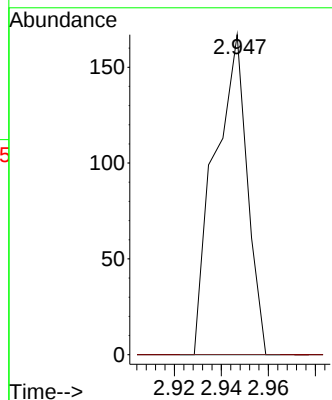
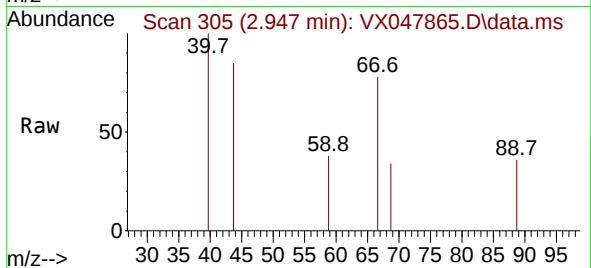




#11
Tert butyl alcohol
Concen: 0.760 ug/l
RT: 2.947 min Scan# 304
Delta R.T. 0.006 min
Lab File: VX047865.D
Acq: 26 Sep 2025 17:34

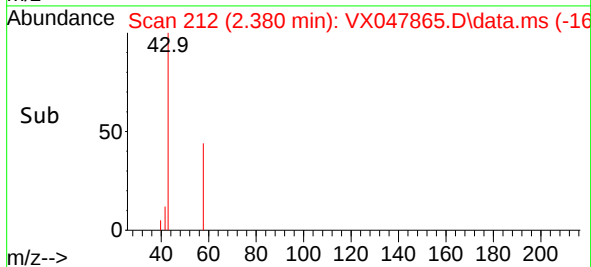
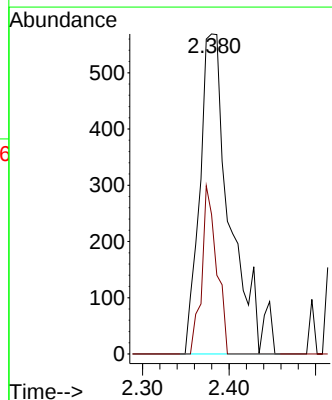
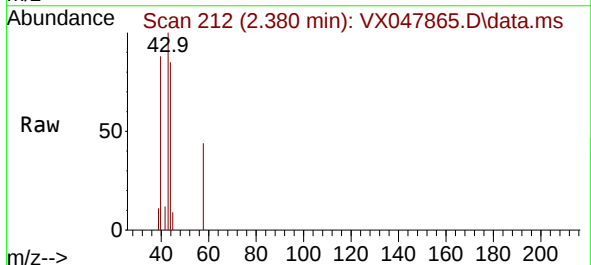
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D1-20250919

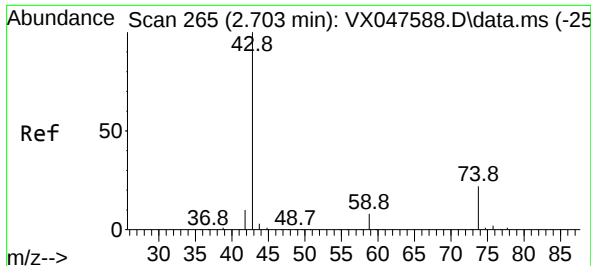
Tgt Ion: 59 Resp: 161
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.686 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047865.D
Acq: 26 Sep 2025 17:34

Tgt Ion: 43 Resp: 1394
Ion Ratio Lower Upper
43 100
58 43.6 23.4 35.0#





#18

Methyl Acetate

Concen: 0.207 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX047865.D

Acq: 26 Sep 2025 17:34

Instrument :

MSVOA_X

ClientSampleId :

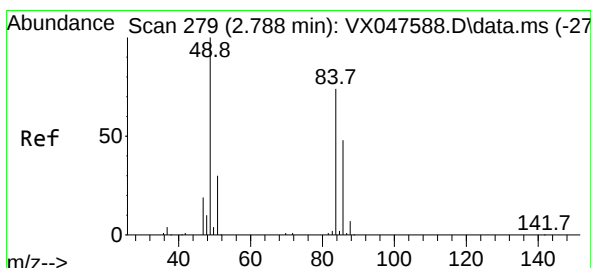
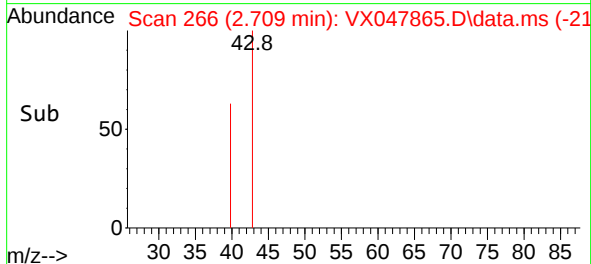
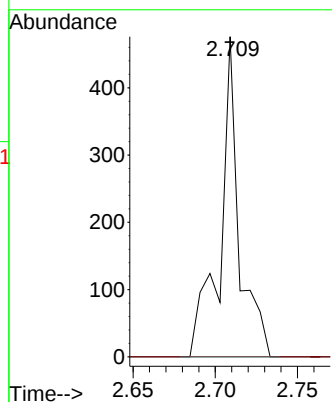
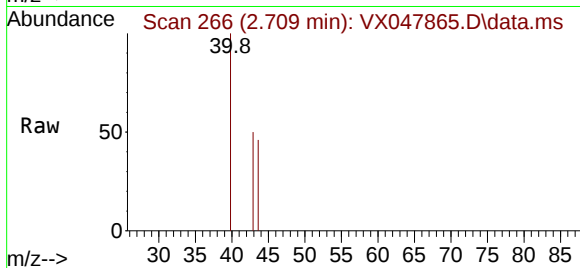
RW9-MW01D1-20250919

Tgt Ion: 43 Resp: 381

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.2#



#20

Methylene Chloride

Concen: 0.310 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX047865.D

Acq: 26 Sep 2025 17:34

Tgt Ion: 84 Resp: 542

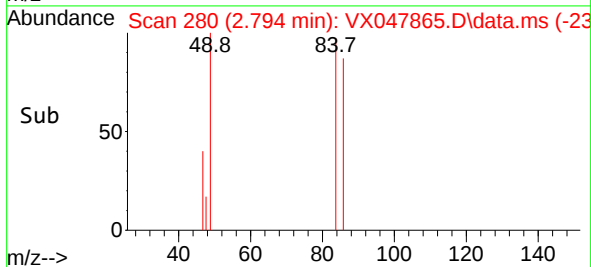
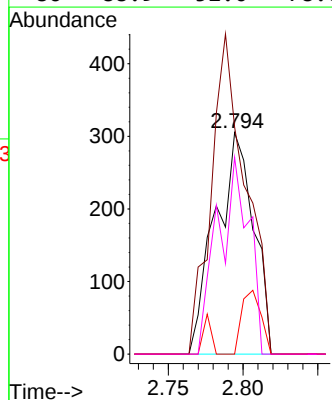
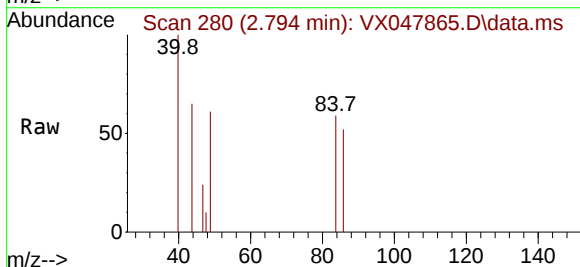
Ion Ratio Lower Upper

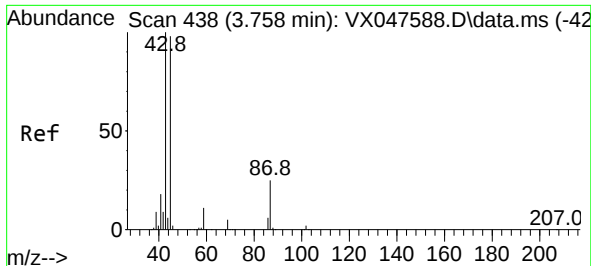
84 100

49 102.6 108.6 162.8#

51 0.0 32.6 48.8#

86 88.9 52.0 78.0#

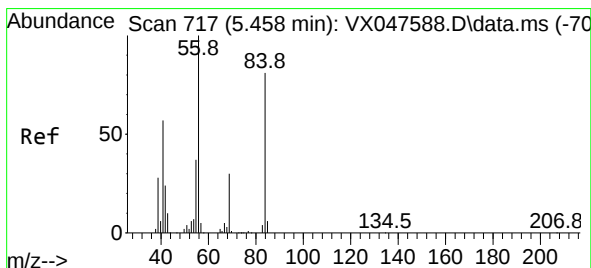
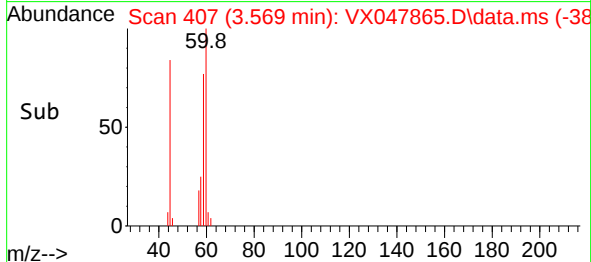
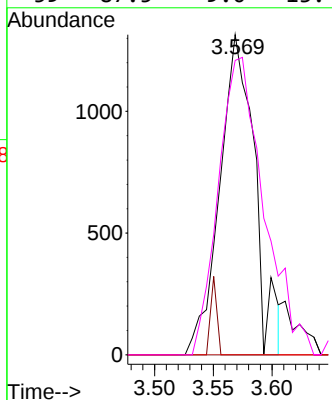
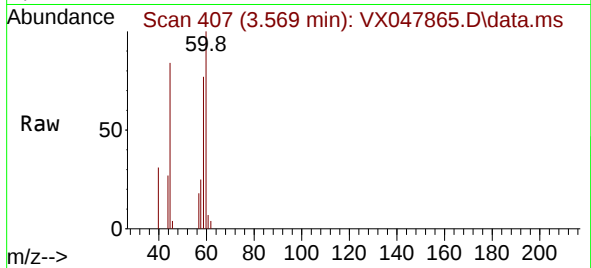




#22
Diisopropyl ether
Concen: 0.478 ug/l
RT: 3.569 min Scan# 407
Delta R.T. -0.189 min
Lab File: VX047865.D
Acq: 26 Sep 2025 17:34

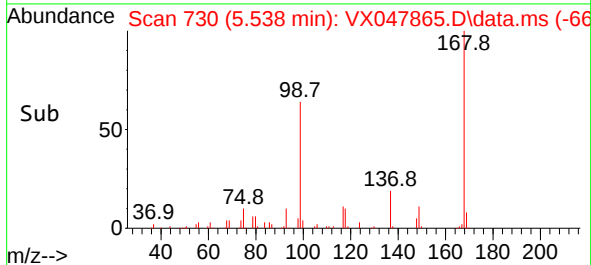
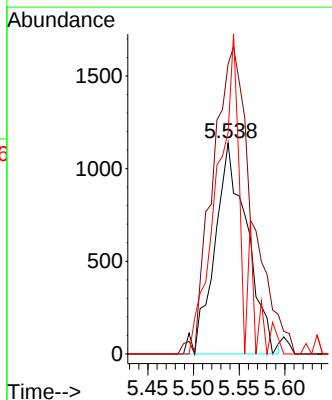
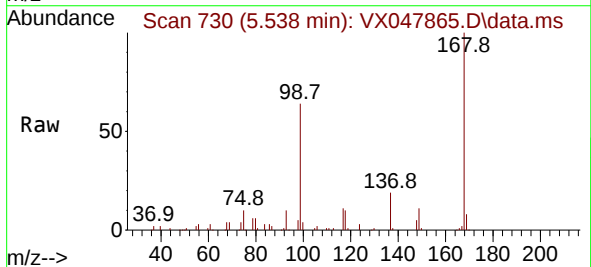
Instrument : MSVOA_X
ClientSampleId : RW9-MW01D1-20250919

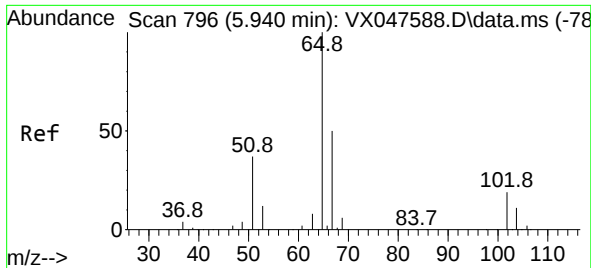
Tgt Ion:	45	Resp:	2716
Ion	Ratio	Lower	Upper
45	100		
43	0.0	81.0	121.4#
87	0.0	20.3	30.5#
59	87.5	9.0	13.4#



#31
Cyclohexane
Concen: 1.119 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX047865.D
Acq: 26 Sep 2025 17:34

Tgt Ion:	56	Resp:	2811
Ion	Ratio	Lower	Upper
56	100		
69	137.5	23.8	35.8#
84	105.1	64.6	97.0#





#33

1,2-Dichloroethane-d4

Concen: 54.413 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX047865.D

Acq: 26 Sep 2025 17:34

Instrument :

MSVOA_X

ClientSampleId :

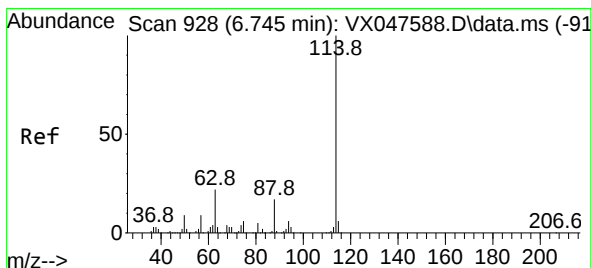
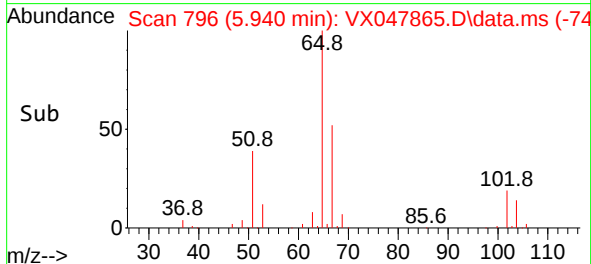
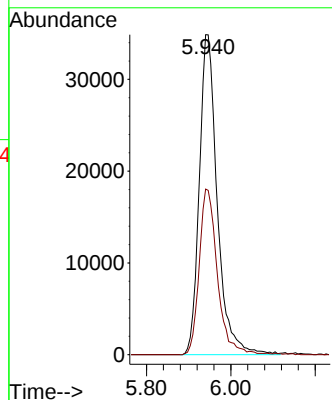
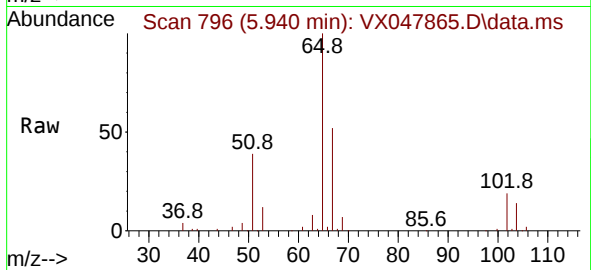
RW9-MW01D1-20250919

Tgt Ion: 65 Resp: 103471

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047865.D

Acq: 26 Sep 2025 17:34

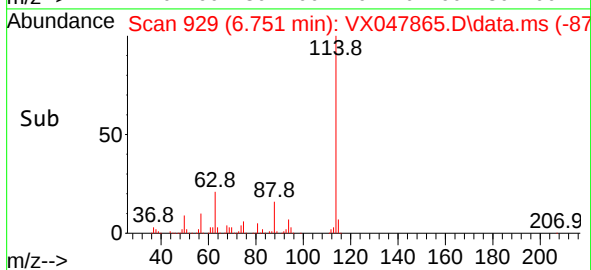
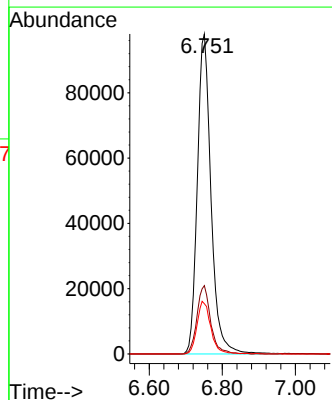
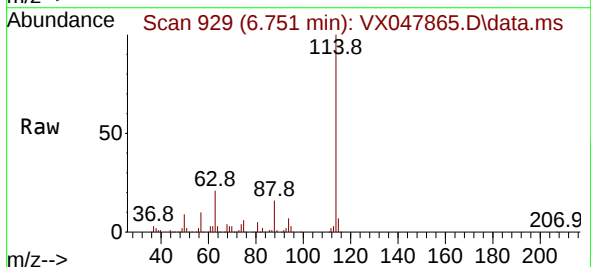
Tgt Ion: 114 Resp: 255411

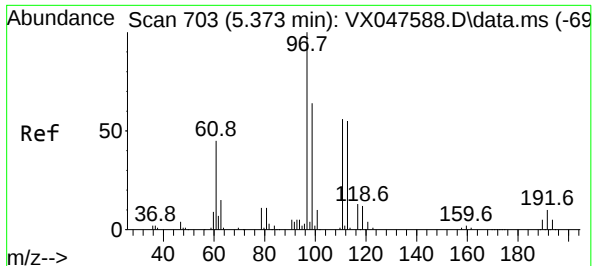
Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.0

88 15.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.602 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX047865.D

Acq: 26 Sep 2025 17:34

Instrument :

MSVOA_X

ClientSampleId :

RW9-MW01D1-20250919

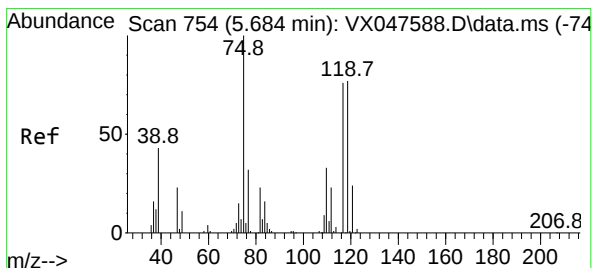
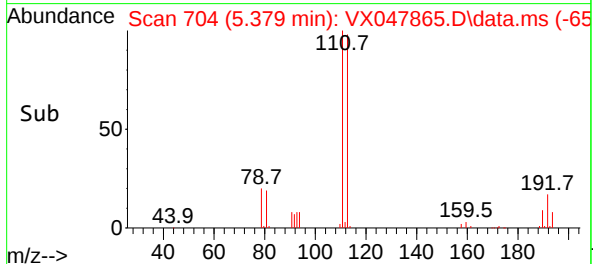
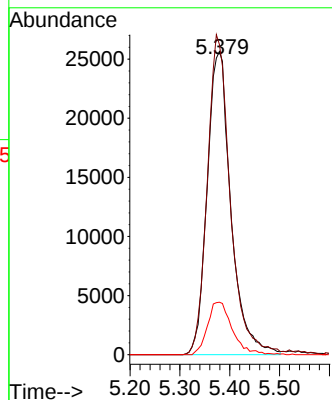
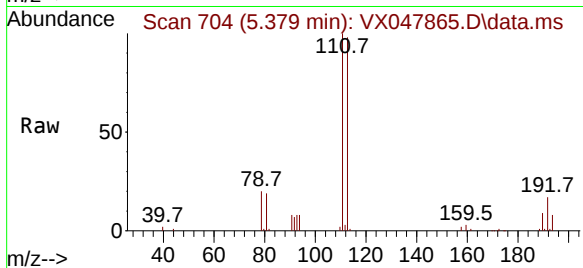
Tgt Ion:113 Resp: 84965

Ion Ratio Lower Upper

113 100

111 102.0 80.9 121.3

192 18.0 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.256 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.146 min

Lab File: VX047865.D

Acq: 26 Sep 2025 17:34

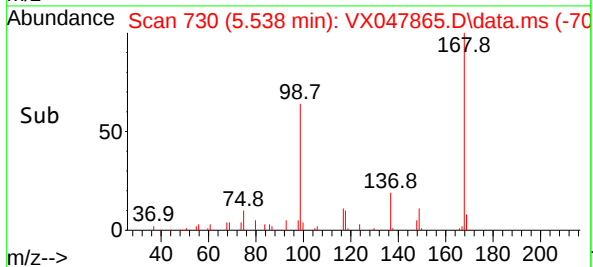
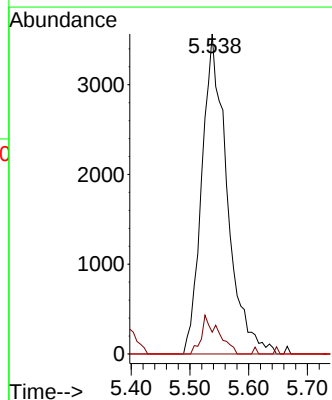
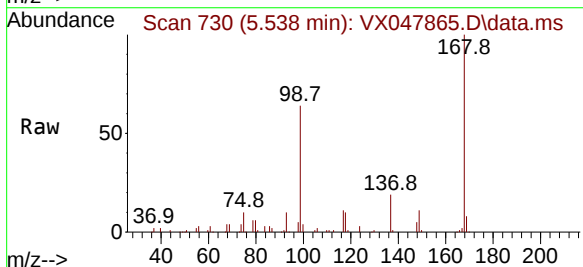
Tgt Ion: 75 Resp: 10652

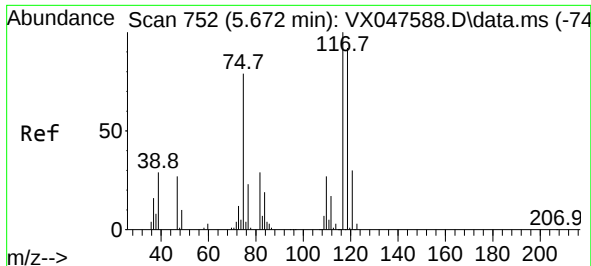
Ion Ratio Lower Upper

75 100

110 8.1 16.7 50.1#

77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 4.820 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX047865.D

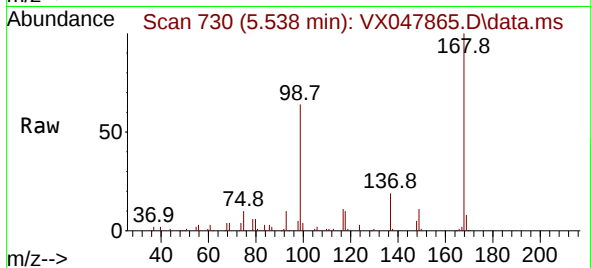
Acq: 26 Sep 2025 17:34

Instrument :

MSVOA_X

ClientSampleId :

RW9-MW01D1-20250919



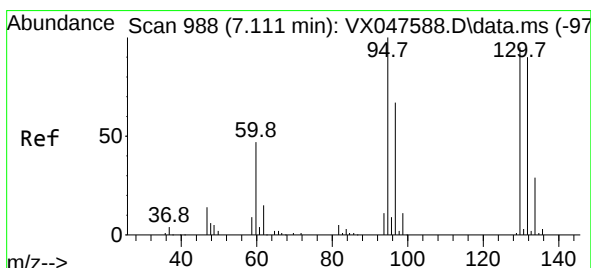
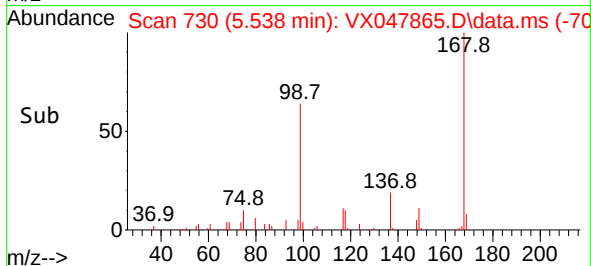
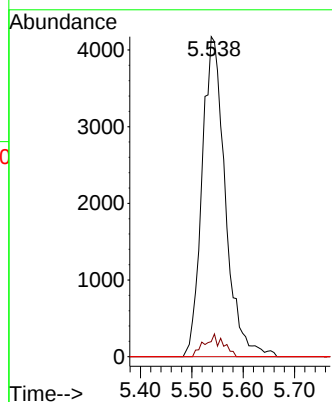
Tgt Ion:117 Resp: 13109

Ion Ratio Lower Upper

117 100

119 4.7 73.4 110.2#

121 0.0 23.8 35.6#



#44

Trichloroethene

Concen: 0.226 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.018 min

Lab File: VX047865.D

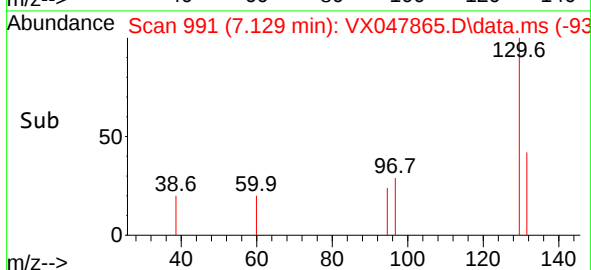
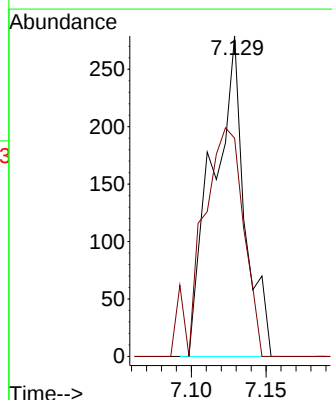
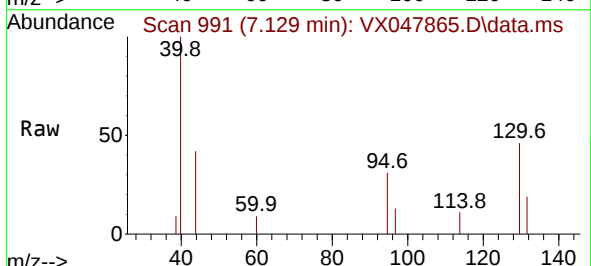
Acq: 26 Sep 2025 17:34

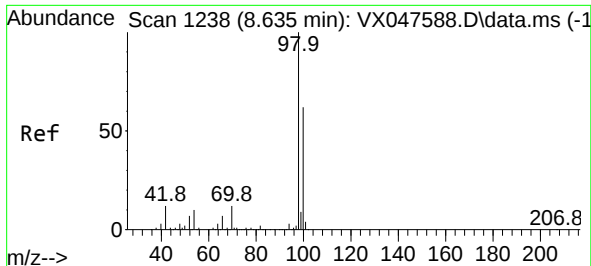
Tgt Ion:130 Resp: 415

Ion Ratio Lower Upper

130 100

95 68.1 0.0 210.8

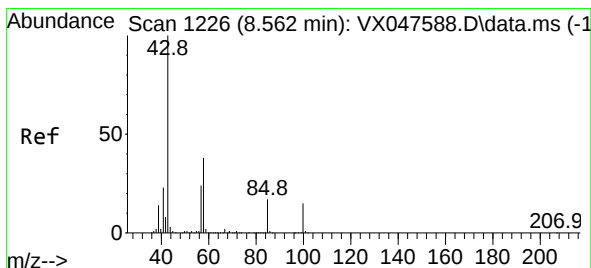
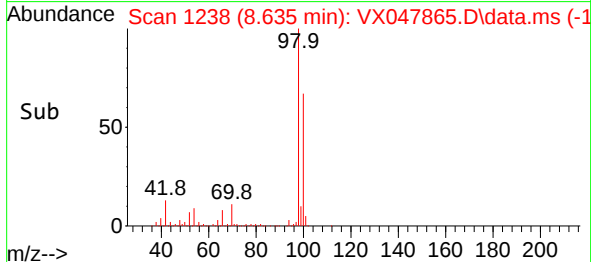
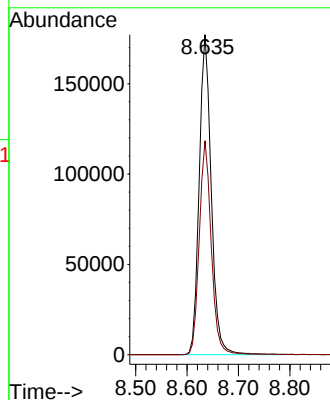
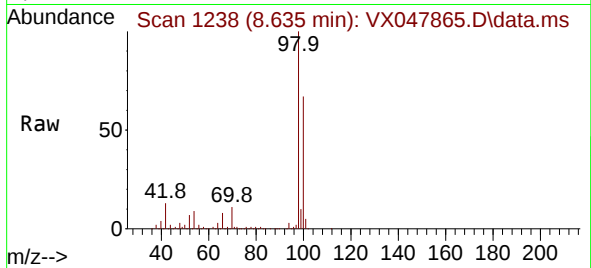




#50
Toluene-d8
Concen: 48.709 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047865.D
Acq: 26 Sep 2025 17:34

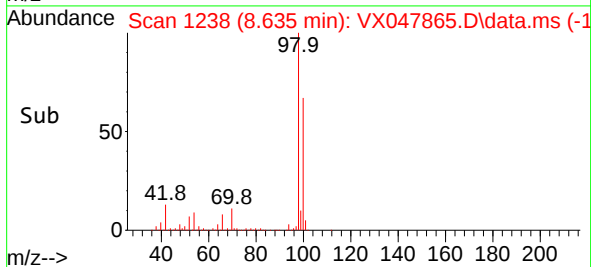
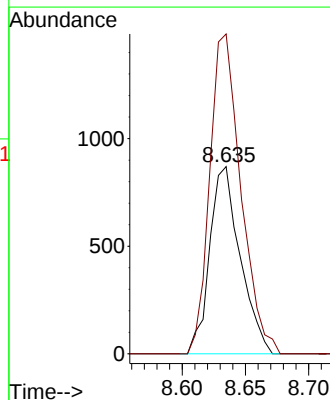
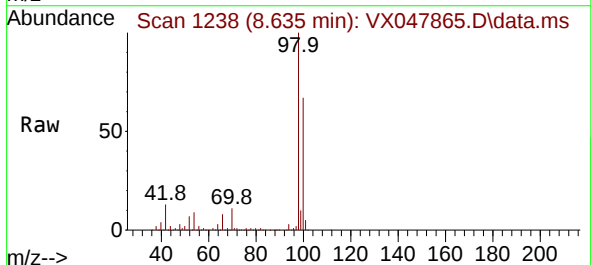
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D1-20250919

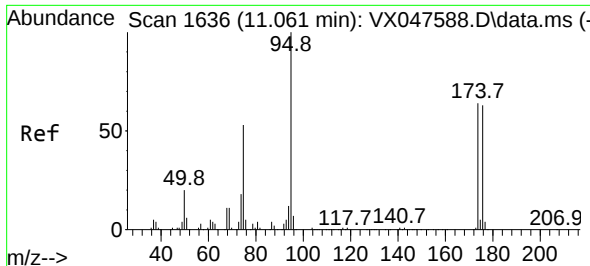
Tgt Ion: 98 Resp: 288704
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.599 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.073 min
Lab File: VX047865.D
Acq: 26 Sep 2025 17:34

Tgt Ion: 43 Resp: 1459
Ion Ratio Lower Upper
43 100
58 174.4 30.3 45.5#

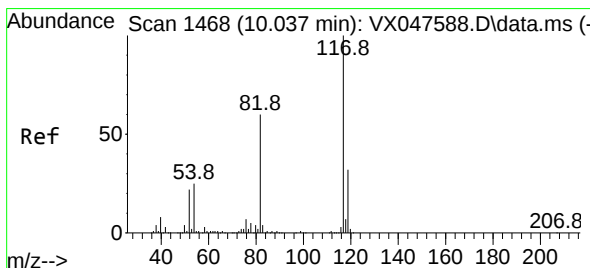
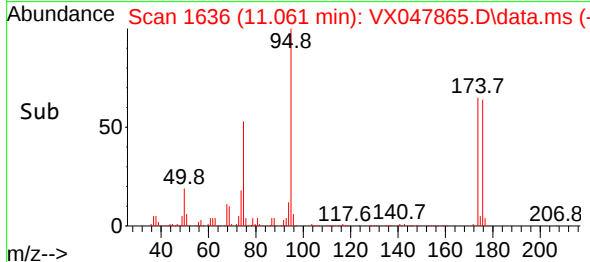
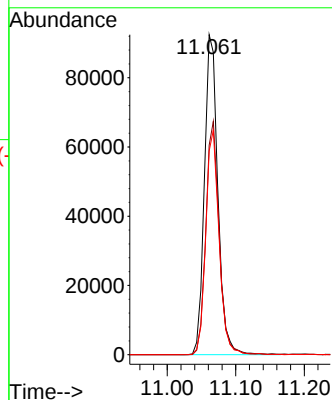
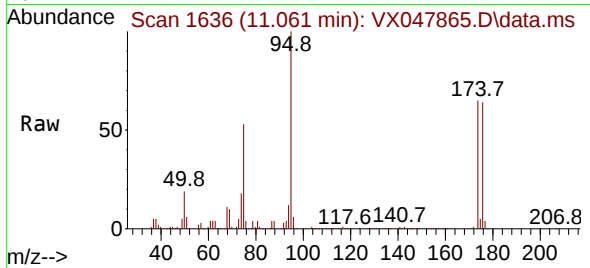




#62
4-Bromofluorobenzene
Concen: 56.272 ug/l
RT: 11.061 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047865.D
Acq: 26 Sep 2025 17:34

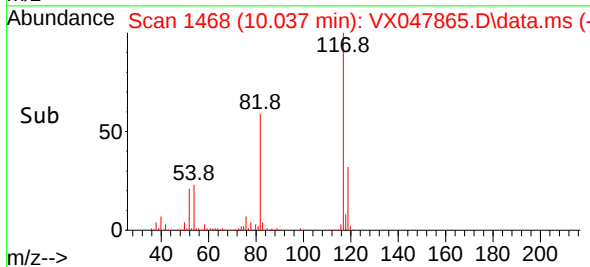
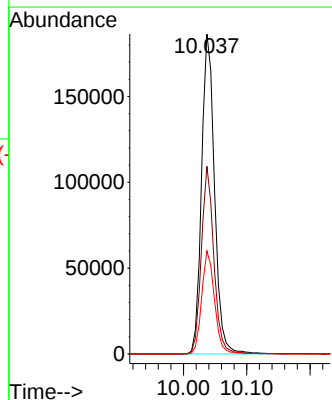
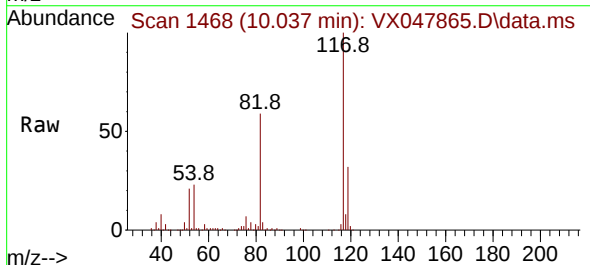
Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D1-20250919

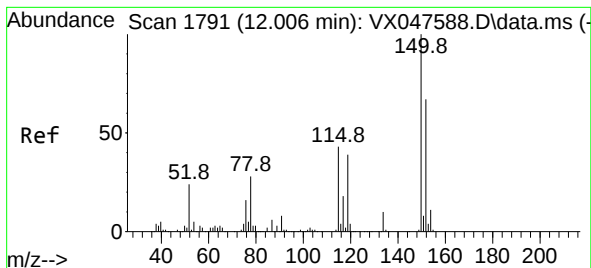
Tgt Ion: 95 Resp: 126580
Ion Ratio Lower Upper
95 100
174 72.2 0.0 141.6
176 69.5 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047865.D
Acq: 26 Sep 2025 17:34

Tgt Ion: 117 Resp: 266668
Ion Ratio Lower Upper
117 100
82 58.6 47.8 71.6
119 32.2 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047865.D

Acq: 26 Sep 2025 17:34

Instrument :

MSVOA_X

ClientSampleId :

RW9-MW01D1-20250919

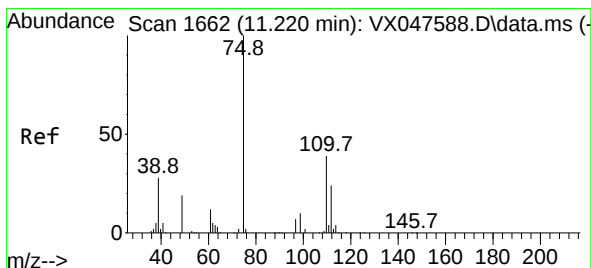
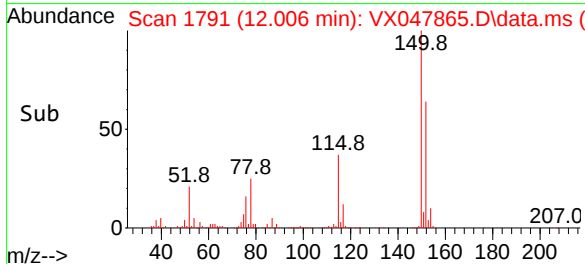
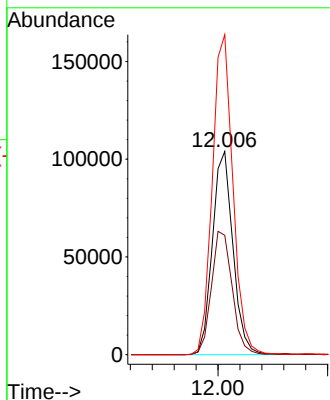
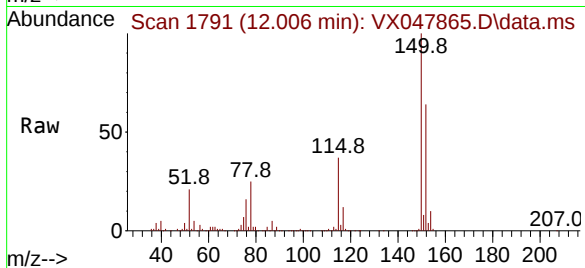
Tgt Ion:152 Resp: 135401

Ion Ratio Lower Upper

152 100

115 61.8 44.9 134.5

150 158.0 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 24.133 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.158 min

Lab File: VX047865.D

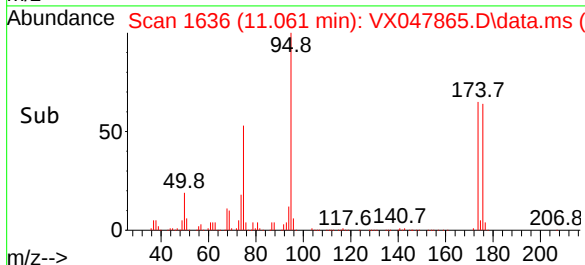
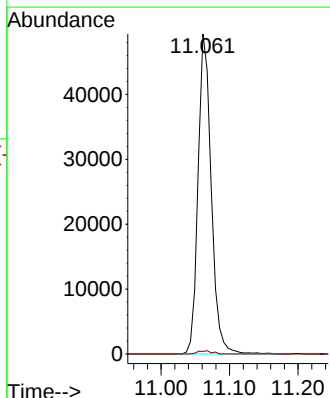
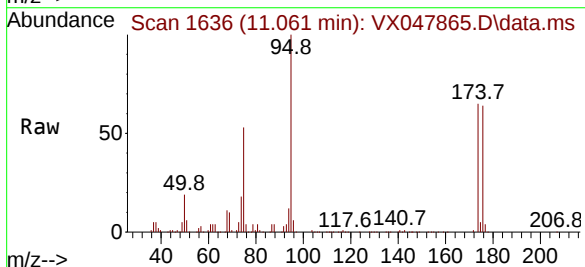
Acq: 26 Sep 2025 17:34

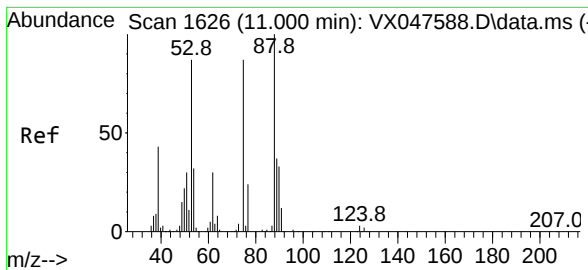
Tgt Ion: 75 Resp: 66159

Ion Ratio Lower Upper

75 100

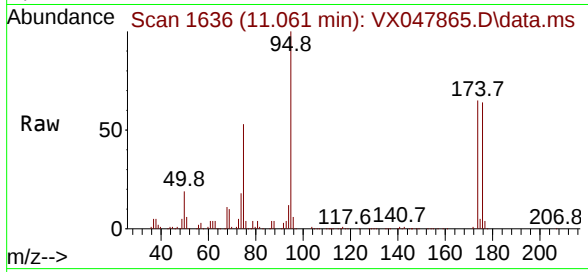
77 1.1 18.8 56.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 61.542 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047865.D
Acq: 26 Sep 2025 17:34

Instrument :
MSVOA_X
ClientSampleId :
RW9-MW01D1-20250919



Tgt Ion: 75 Resp: 66159
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

