

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
 Data File : VX047946.D
 Acq On : 01 Oct 2025 17:14
 Operator : JC/MD
 Sample : Q3194-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW8-MW01D3-20250922

Quant Time: Oct 03 01:26:41 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)

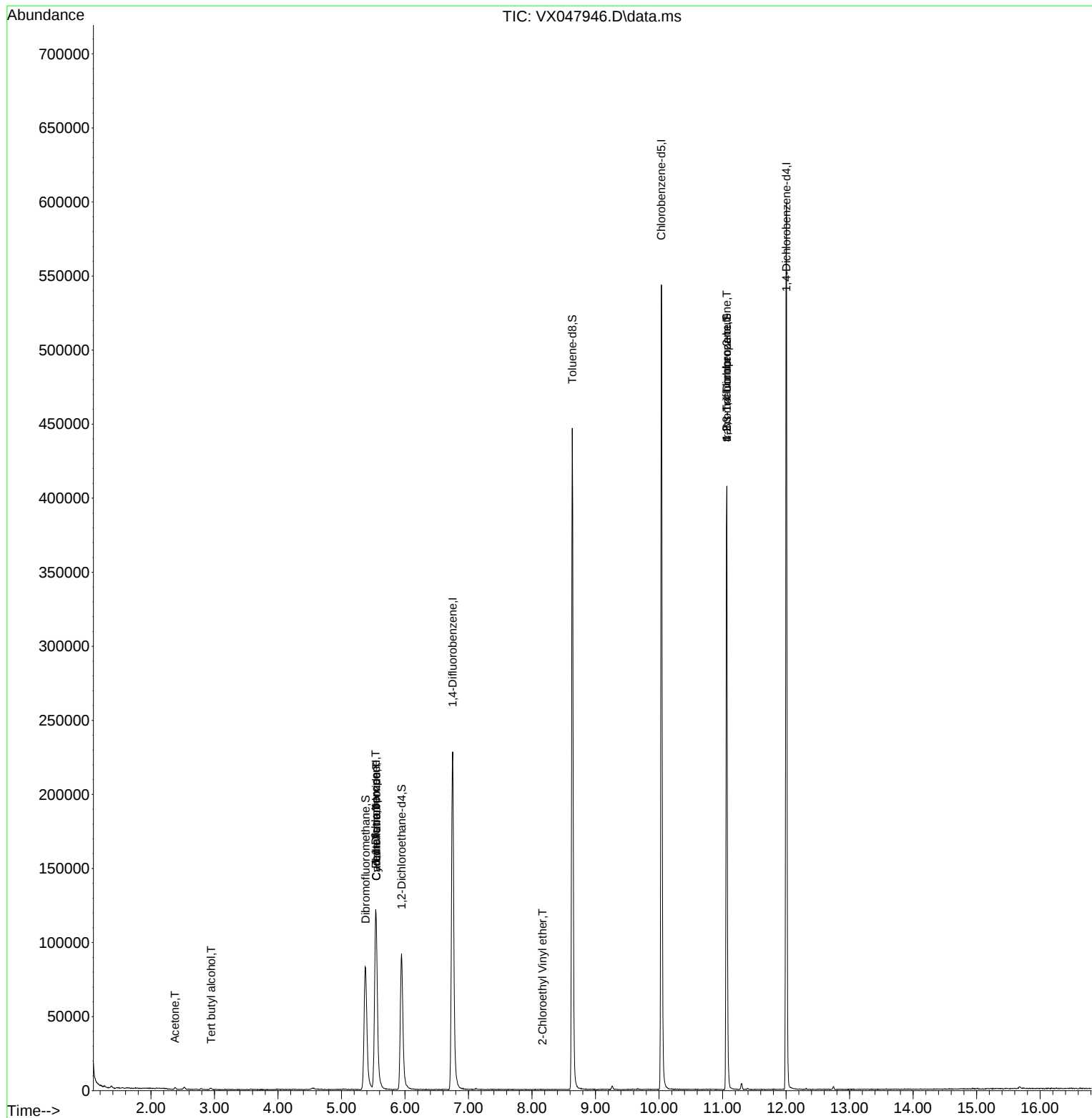
Internal Standards						
1) Pentafluorobenzene	5.544	168	121038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	247090	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	254262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	99720	51.759	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.520%	
35) Dibromofluoromethane	5.379	113	81231	49.019	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.040%	
50) Toluene-d8	8.635	98	275232	48.000	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.000%	
62) 4-Bromofluorobenzene	11.067	95	117101	53.811	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.620%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	377	1.757	ug/l #	72
16) Acetone	2.380	43	1487	1.775	ug/l	96
31) Cyclohexane	5.550	56	2573	1.011	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	10382	4.288	ug/l #	51
38) Carbon Tetrachloride	5.550	117	13138	4.994	ug/l #	18
58) 2-Chloroethyl Vinyl ether	8.165	63	61	7.939	ug/l #	47
76) 1,2,3-Trichloropropane	11.067	75	60017	23.330	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.067	75	60017	59.495	ug/l #	8

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

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RW8-MW01D3-20250922

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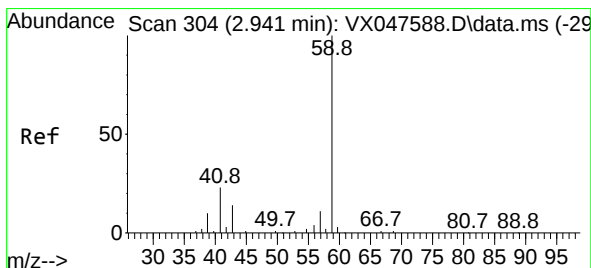
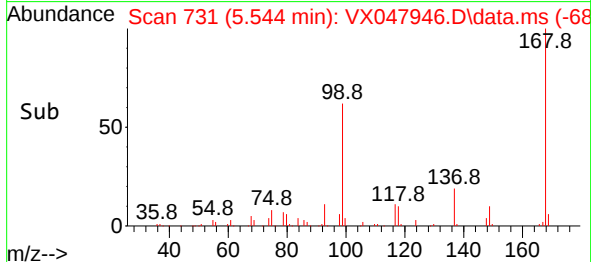
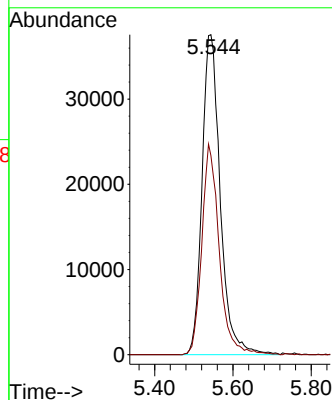
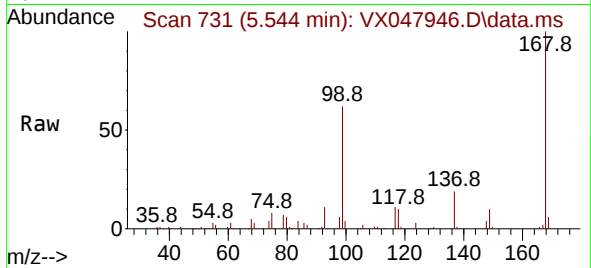




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047946.D
Acq: 01 Oct 2025 17:14

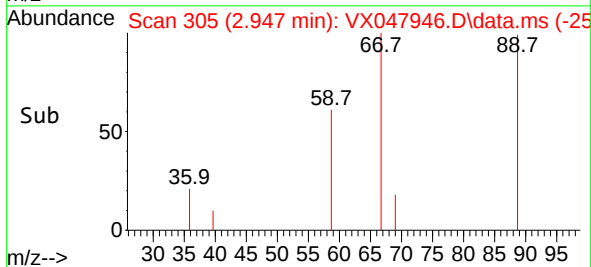
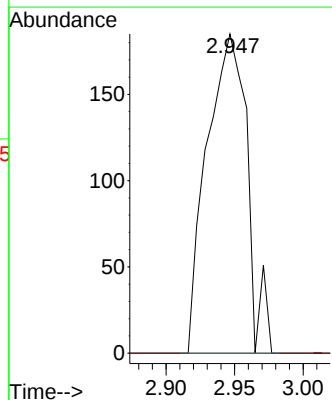
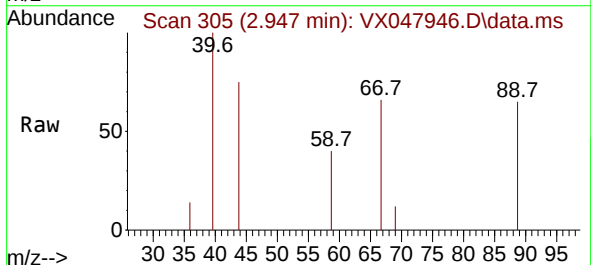
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D3-20250922

Tgt Ion:168 Resp: 121038
Ion Ratio Lower Upper
168 100
99 62.2 48.8 73.2



#11
Tert butyl alcohol
Concen: 1.757 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX047946.D
Acq: 01 Oct 2025 17:14

Tgt Ion: 59 Resp: 377
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

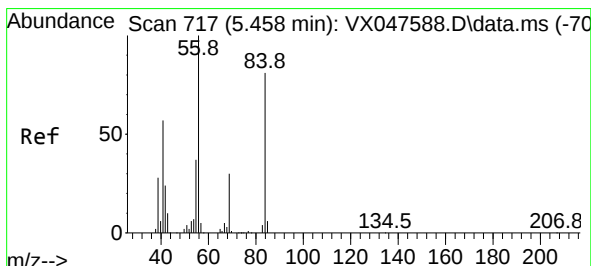
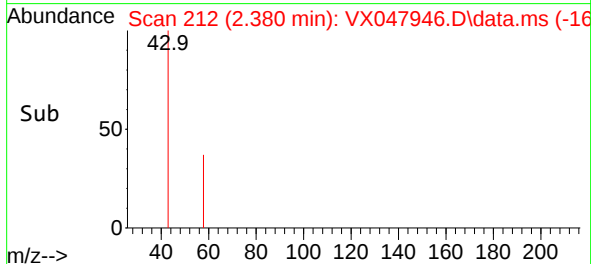
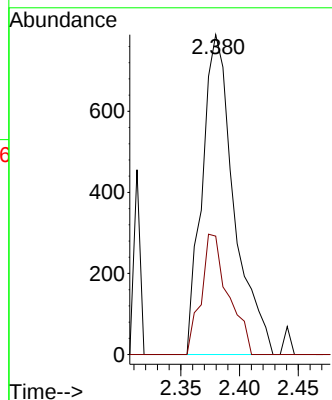
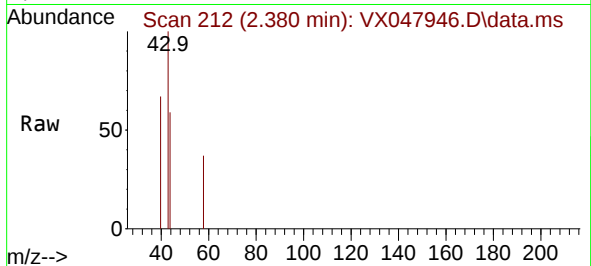




#16
Acetone
Concen: 1.775 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047946.D
Acq: 01 Oct 2025 17:14

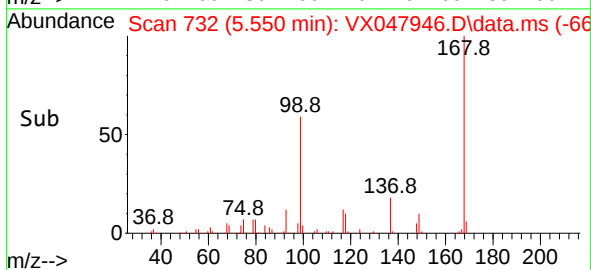
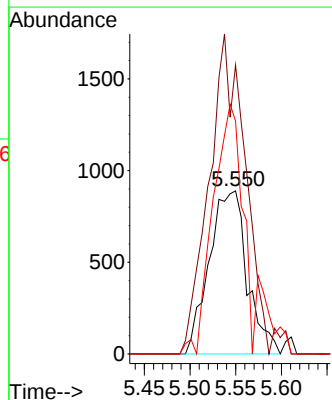
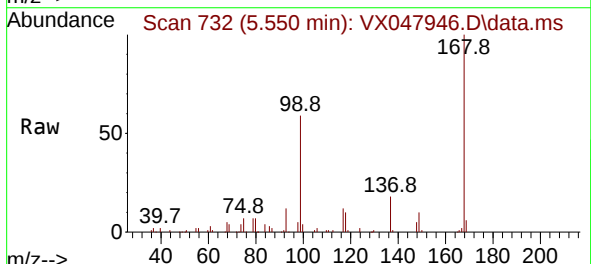
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D3-20250922

Tgt Ion: 43 Resp: 1487
Ion Ratio Lower Upper
43 100
58 31.1 23.4 35.0



#31
Cyclohexane
Concen: 1.011 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.091 min
Lab File: VX047946.D
Acq: 01 Oct 2025 17:14

Tgt Ion: 56 Resp: 2573
Ion Ratio Lower Upper
56 100
69 177.3 23.8 35.8#
84 142.9 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 51.759 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047946.D

Acq: 01 Oct 2025 17:14

Instrument :

MSVOA_X

ClientSampleId :

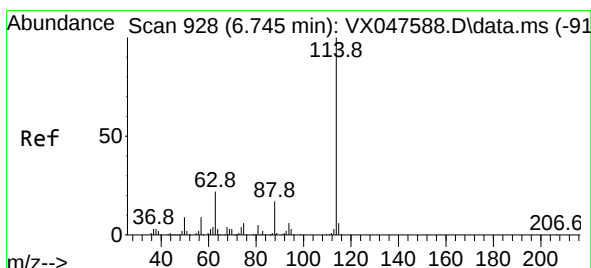
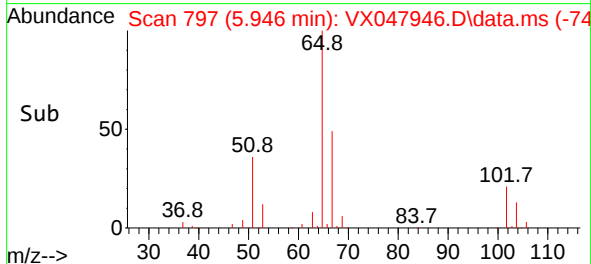
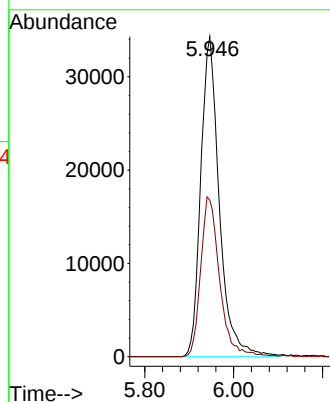
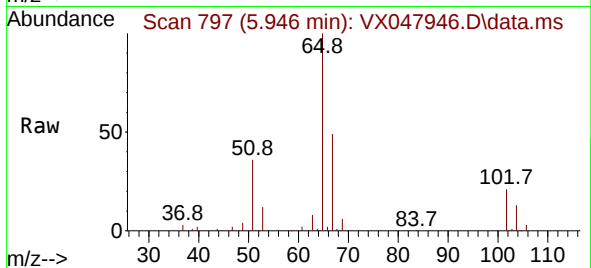
RW8-MW01D3-20250922

Tgt Ion: 65 Resp: 99720

Ion Ratio Lower Upper

65 100

67 51.0 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: VX047946.D

Acq: 01 Oct 2025 17:14

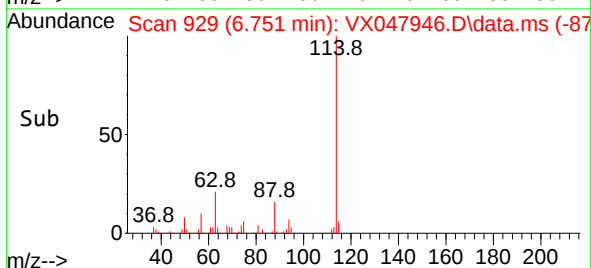
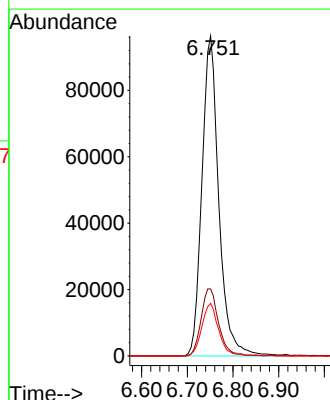
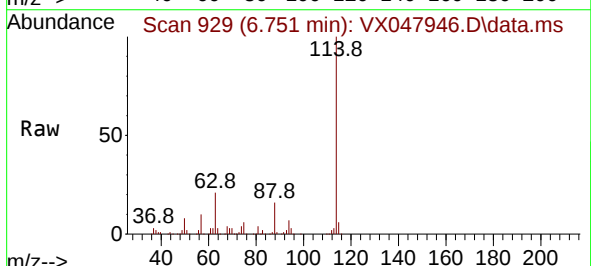
Tgt Ion: 114 Resp: 247090

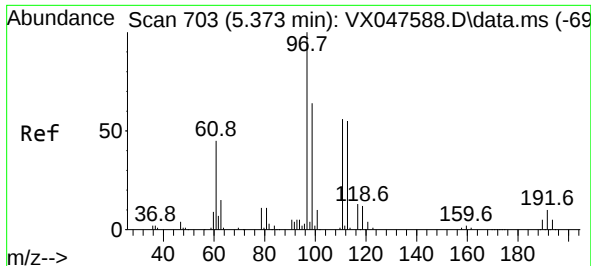
Ion Ratio Lower Upper

114 100

63 21.0 0.0 44.0

88 16.4 0.0 34.2

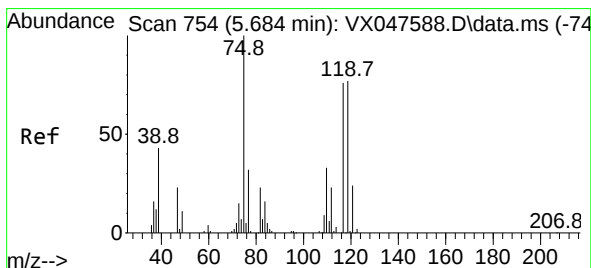
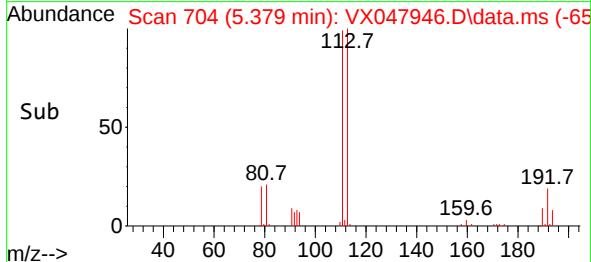
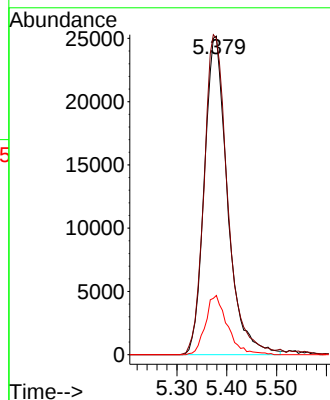
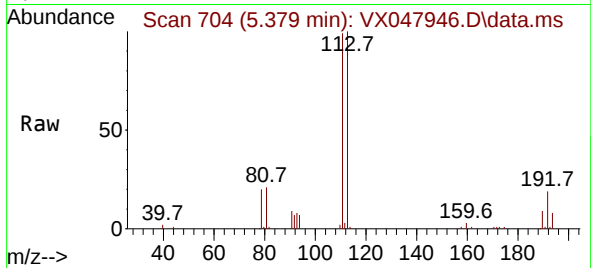




#35
Dibromofluoromethane
Concen: 49.019 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047946.D
Acq: 01 Oct 2025 17:14

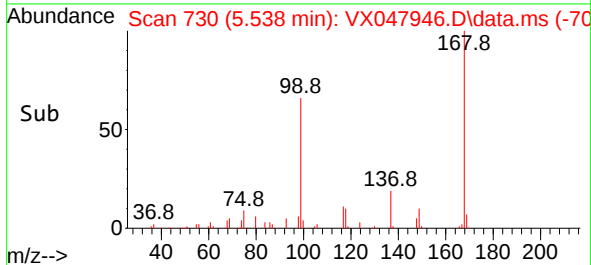
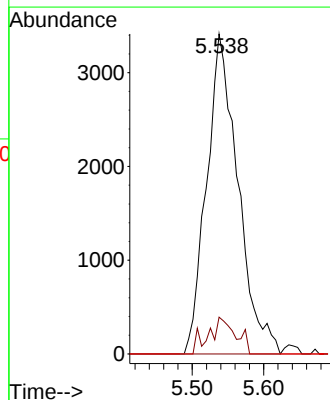
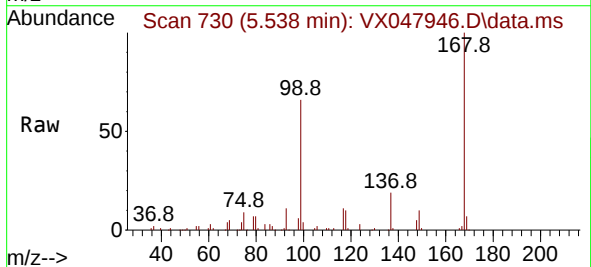
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D3-20250922

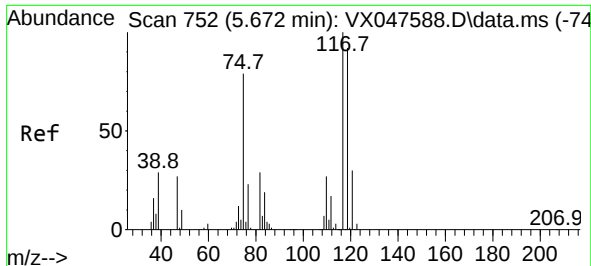
Tgt Ion:113 Resp: 81231
Ion Ratio Lower Upper
113 100
111 102.2 80.9 121.3
192 17.7 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.288 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047946.D
Acq: 01 Oct 2025 17:14

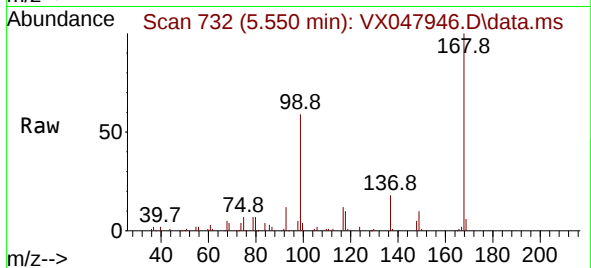
Tgt Ion: 75 Resp: 10382
Ion Ratio Lower Upper
75 100
110 8.6 16.7 50.1#
77 0.0 24.3 36.5#



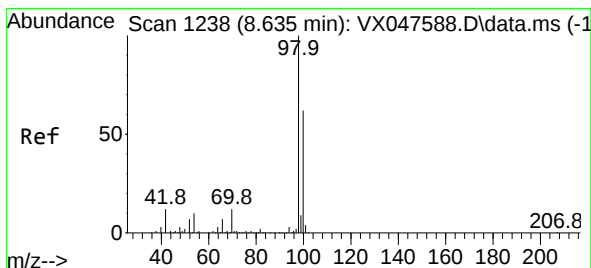
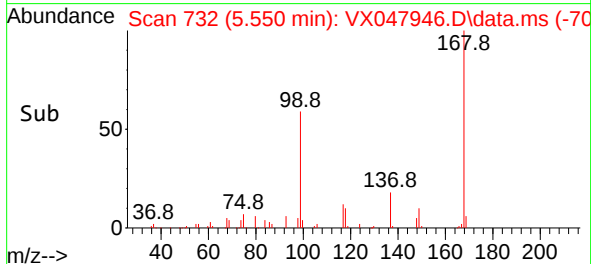
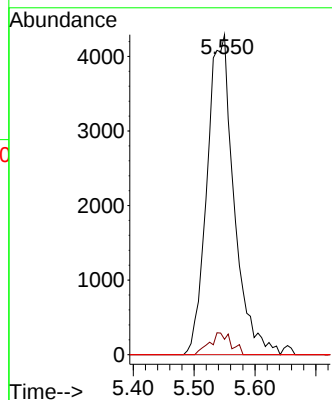


#38
Carbon Tetrachloride
Concen: 4.994 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX047946.D
Acq: 01 Oct 2025 17:14

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D3-20250922

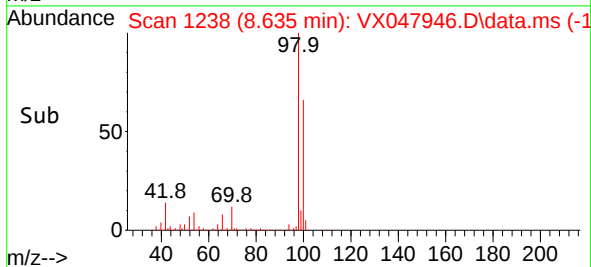
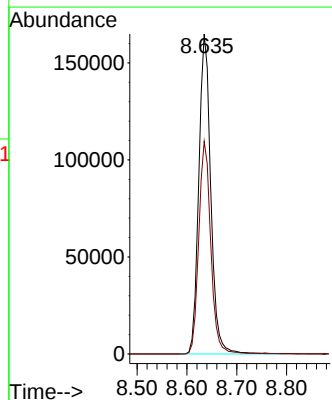
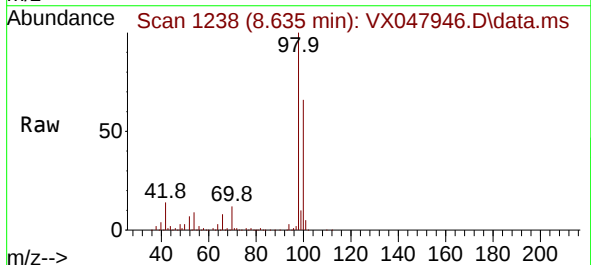


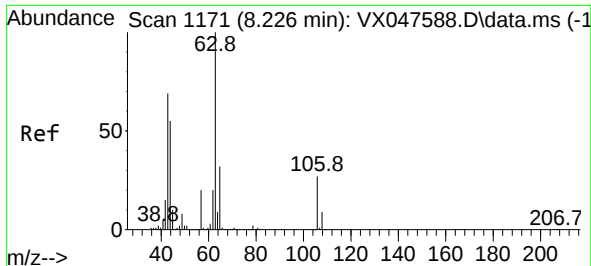
Tgt Ion:117 Resp: 13138
Ion Ratio Lower Upper
117 100
119 4.8 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 48.000 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047946.D
Acq: 01 Oct 2025 17:14

Tgt Ion: 98 Resp: 275232
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.4

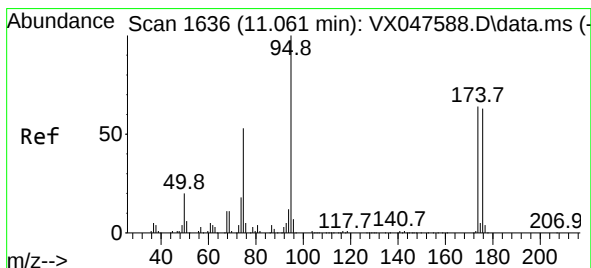
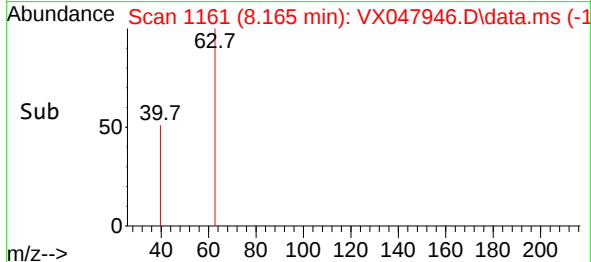
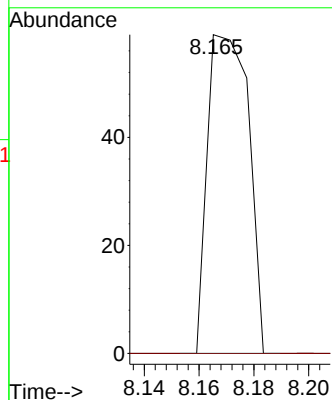
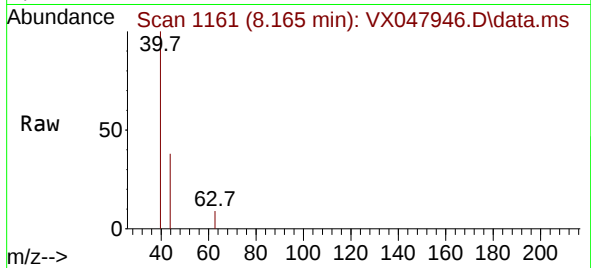




#58
2-Chloroethyl Vinyl ether
Concen: 7.939 ug/l
RT: 8.165 min Scan# 1171
Delta R.T. -0.061 min
Lab File: VX047946.D
Acq: 01 Oct 2025 17:14

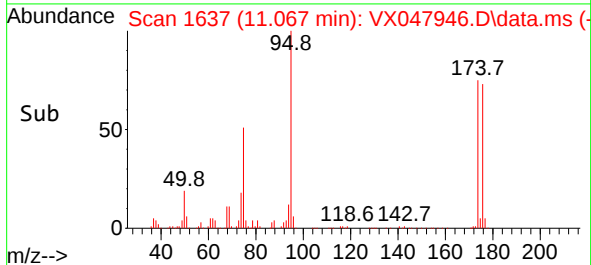
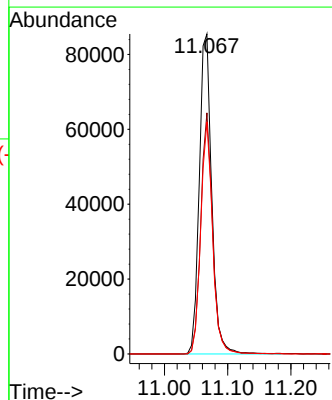
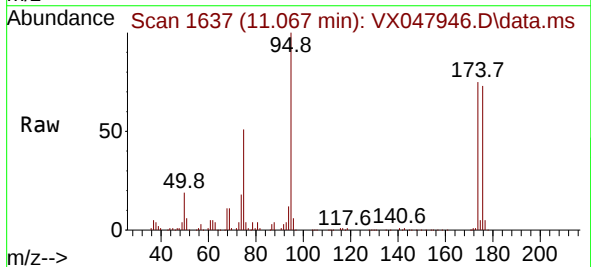
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D3-20250922

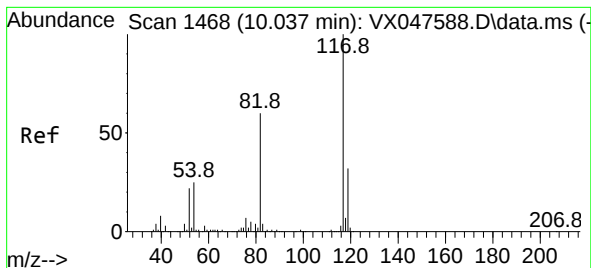
Tgt Ion: 63 Resp: 61
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#



#62
4-Bromofluorobenzene
Concen: 53.811 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047946.D
Acq: 01 Oct 2025 17:14

Tgt Ion: 95 Resp: 117101
Ion Ratio Lower Upper
95 100
174 71.9 0.0 141.6
176 69.4 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: VX047946.D

Acq: 01 Oct 2025 17:14

Instrument :

MSVOA_X

ClientSampleId :

RW8-MW01D3-20250922

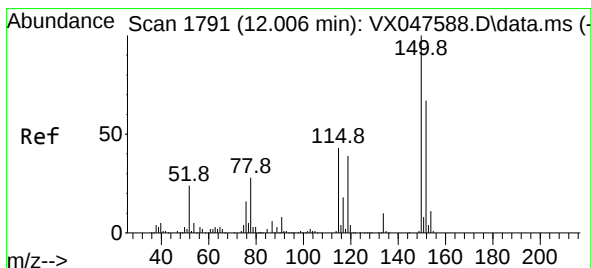
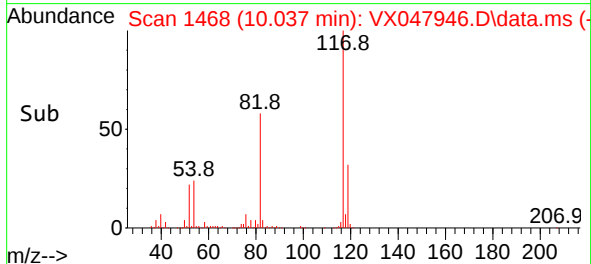
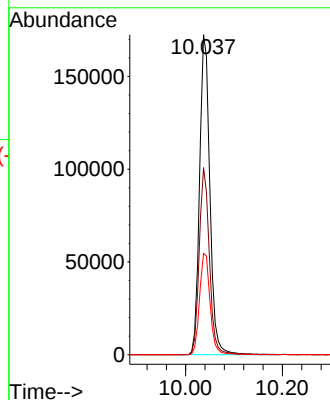
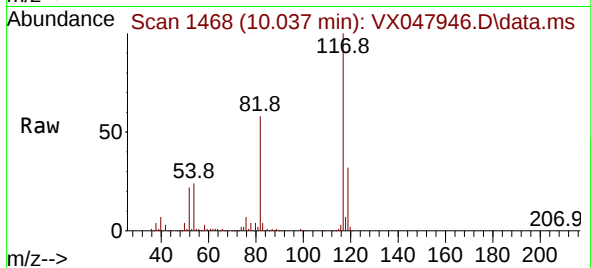
Tgt Ion:117 Resp: 254262

Ion Ratio Lower Upper

117 100

82 58.4 47.8 71.6

119 31.6 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047946.D

Acq: 01 Oct 2025 17:14

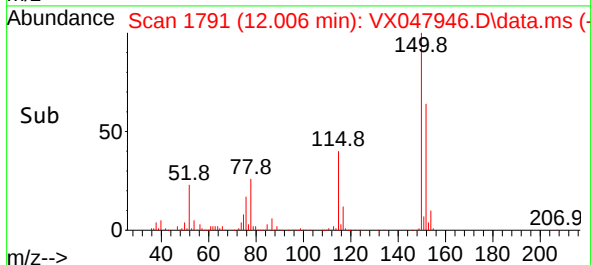
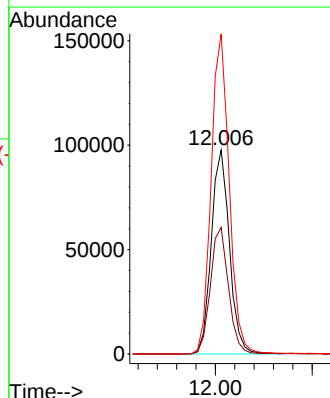
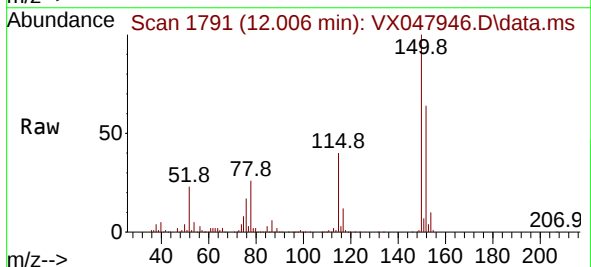
Tgt Ion:152 Resp: 127057

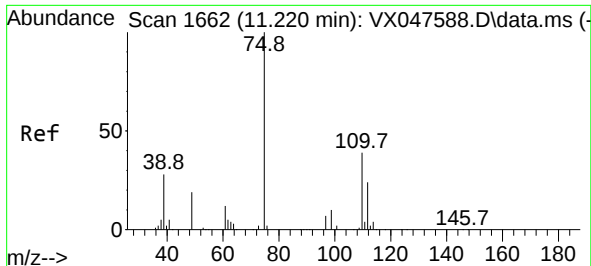
Ion Ratio Lower Upper

152 100

115 62.2 44.9 134.5

150 157.2 0.0 352.0

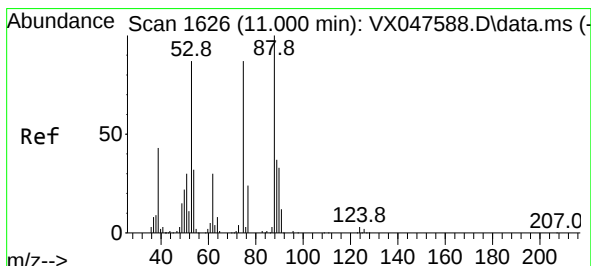
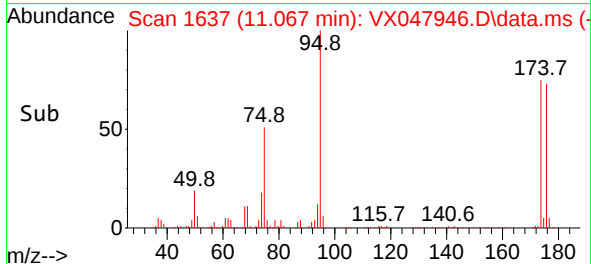
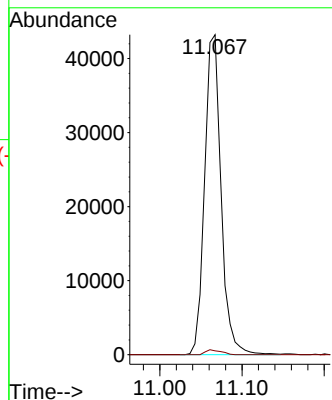
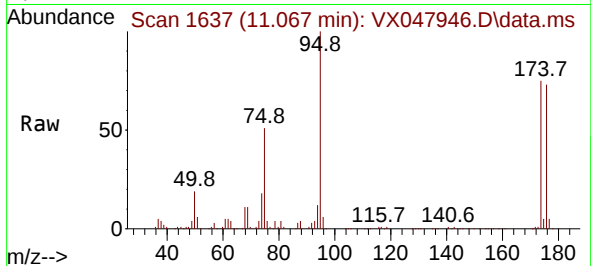




#76
1,2,3-Trichloropropane
Concen: 23.330 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. -0.152 min
Lab File: VX047946.D
Acq: 01 Oct 2025 17:14

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D3-20250922

Tgt Ion: 75 Resp: 60017
Ion Ratio Lower Upper
75 100
77 1.4 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.495 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.067 min
Lab File: VX047946.D
Acq: 01 Oct 2025 17:14

Tgt Ion: 75 Resp: 60017
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

