

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092225\
 Data File : VX047714.D
 Acq On : 22 Sep 2025 18:37
 Operator : JC/MD
 Sample : Q3097-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20250911

Quant Time: Sep 23 01:41:10 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)

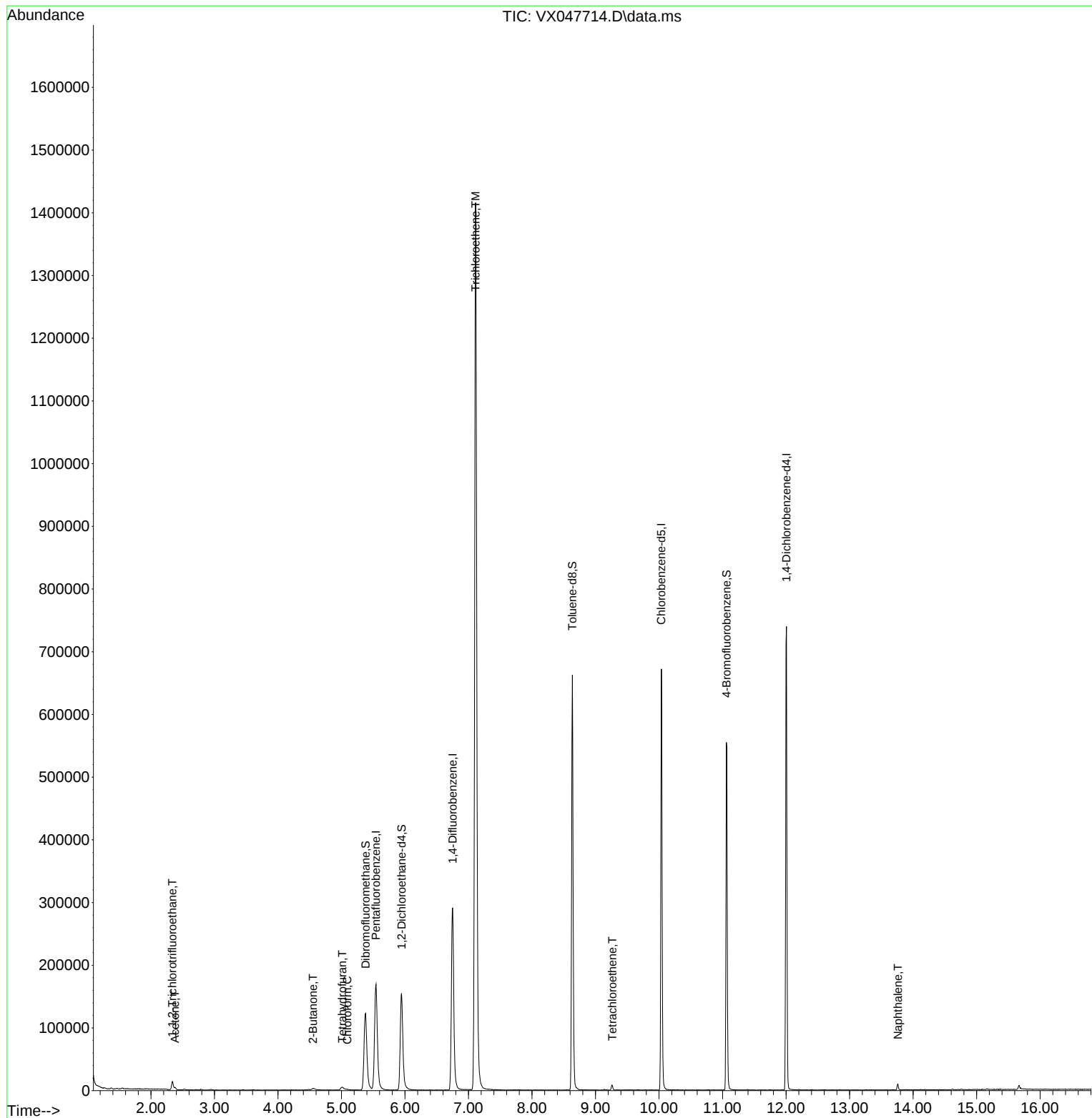
Internal Standards						
1) Pentafluorobenzene	5.544	168	170097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	325449	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	301928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	156017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	165106	60.981	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 121.960%#		
35) Dibromofluoromethane	5.379	113	120701	55.300	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 110.600%		
50) Toluene-d8	8.635	98	401455	53.156	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 106.320%		
62) 4-Bromofluorobenzene	11.061	95	163320	56.980	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 113.960%		
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	5948	3.023	ug/l	99
16) Acetone	2.380	43	4180	3.551	ug/l #	86
25) 2-Butanone	4.550	43	4251	2.895	ug/l #	78
29) Tetrahydrofuran	5.013	42	5930	6.713	ug/l	90
30) Chloroform	5.092	83	1101	0.254	ug/l	94
44) Trichloroethene	7.110	130	587164	250.718	ug/l	96
64) Tetrachloroethene	9.262	164	1713	0.870	ug/l #	92
95) Naphthalene	13.762	128	6878	0.672	ug/l	97

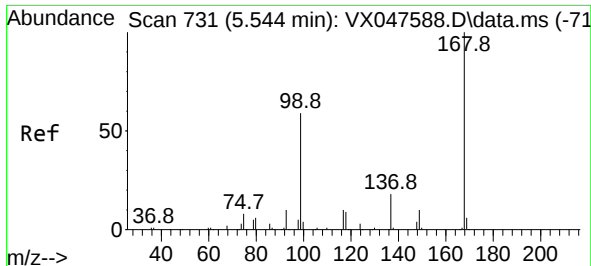
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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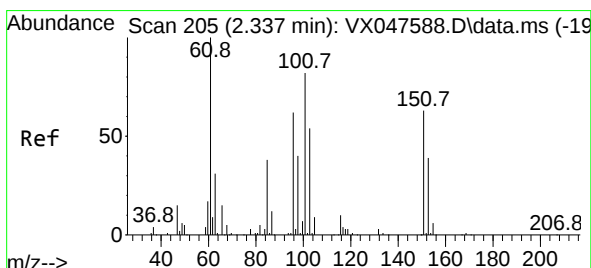
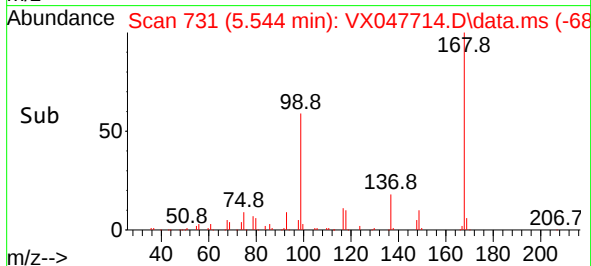
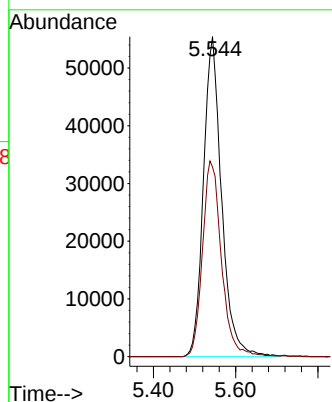
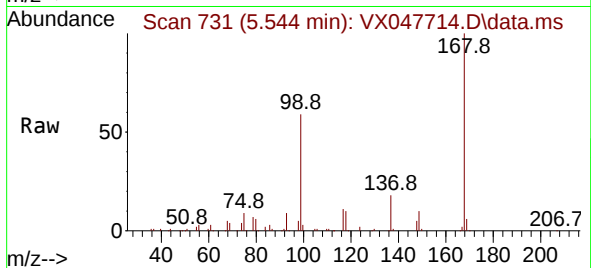




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

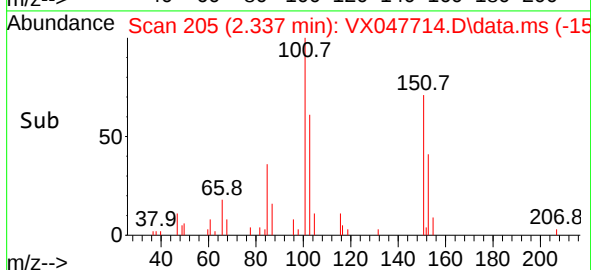
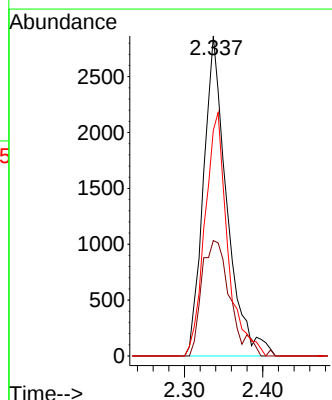
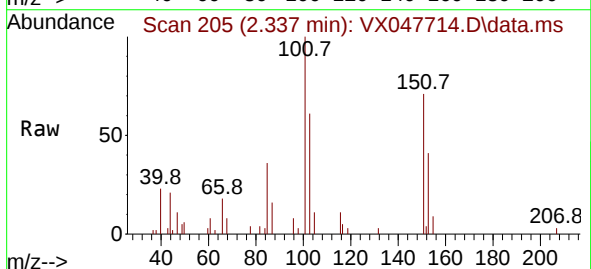
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250911

Tgt Ion:168 Resp: 170097
Ion Ratio Lower Upper
168 100
99 59.2 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.023 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

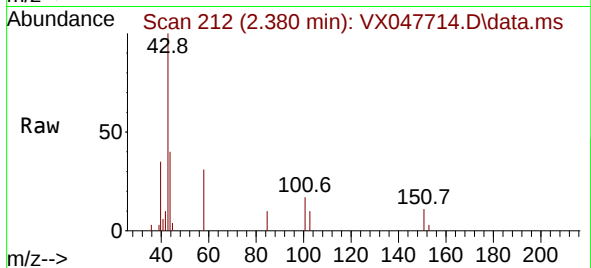
Tgt Ion:101 Resp: 5948
Ion Ratio Lower Upper
101 100
85 43.5 35.5 53.3
151 73.6 59.4 89.0



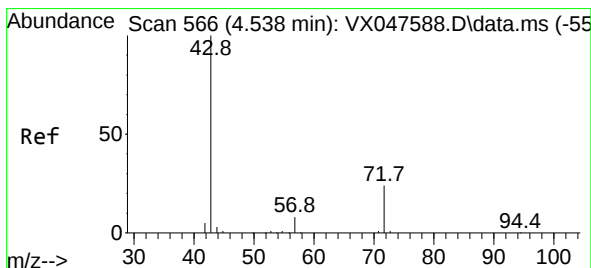
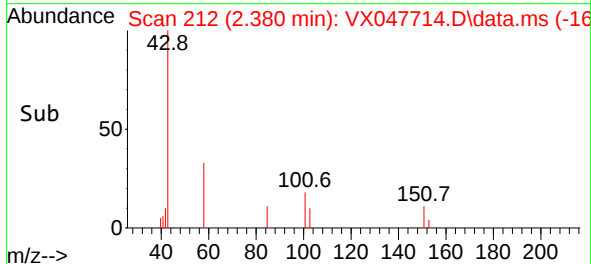
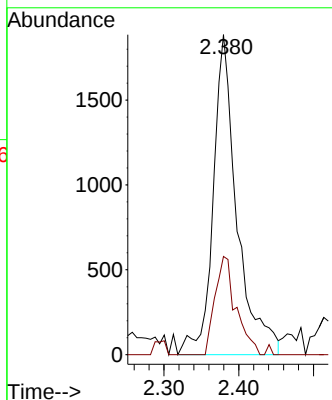


#16
Acetone
Concen: 3.551 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250911

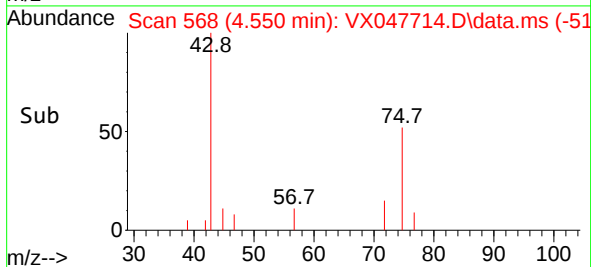
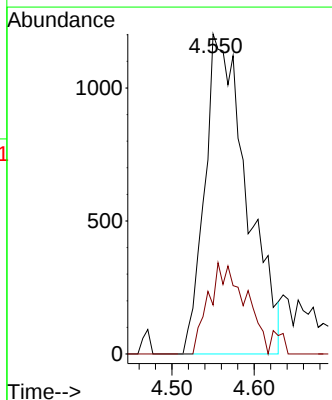
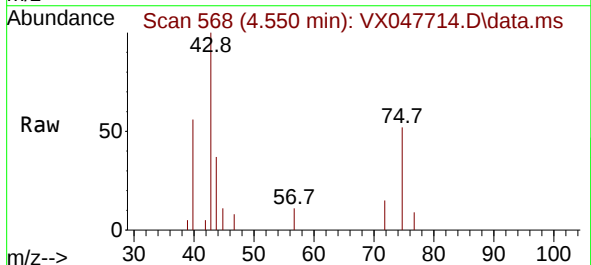


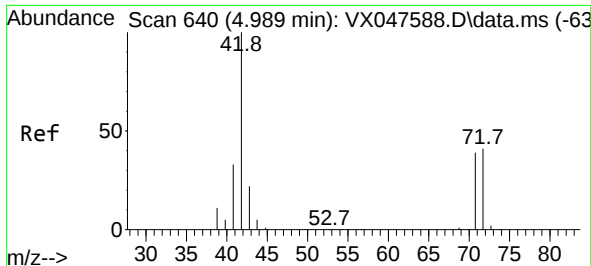
Tgt Ion: 43 Resp: 4180
Ion Ratio Lower Upper
43 100
58 21.9 23.4 35.0#



#25
2-Butanone
Concen: 2.895 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.012 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

Tgt Ion: 43 Resp: 4251
Ion Ratio Lower Upper
43 100
72 14.2 20.1 30.1#





#29

Tetrahydrofuran

Concen: 6.713 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX047714.D

Acq: 22 Sep 2025 18:37

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20250911

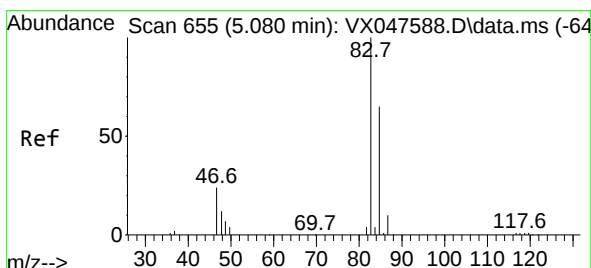
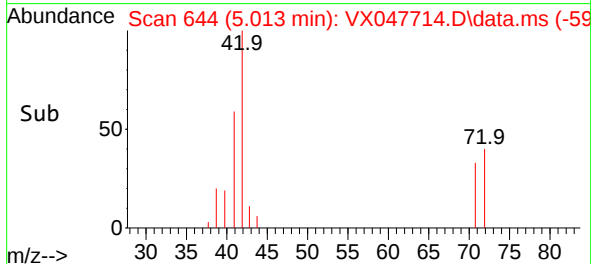
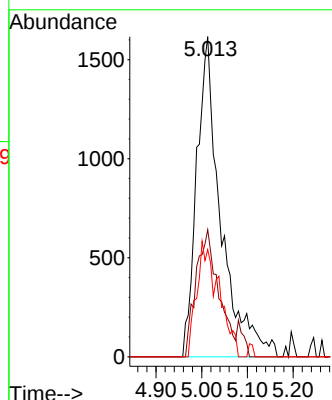
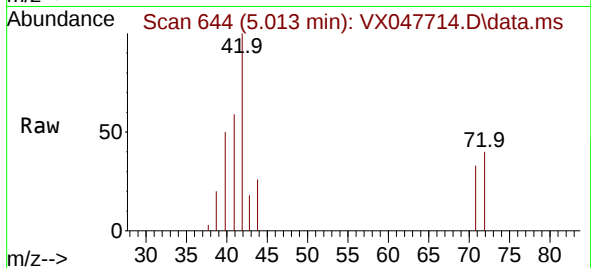
Tgt Ion: 42 Resp: 5930

Ion Ratio Lower Upper

42 100

72 37.3 34.2 51.2

71 33.1 31.9 47.9



#30

Chloroform

Concen: 0.254 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.012 min

Lab File: VX047714.D

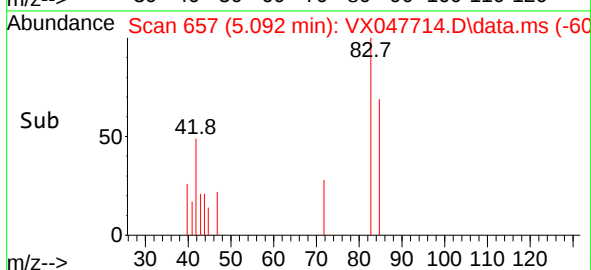
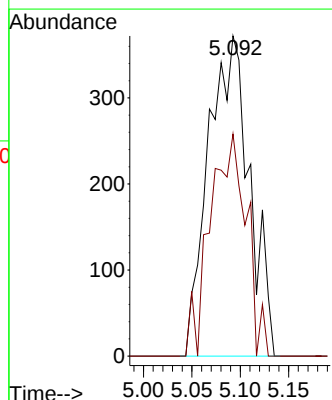
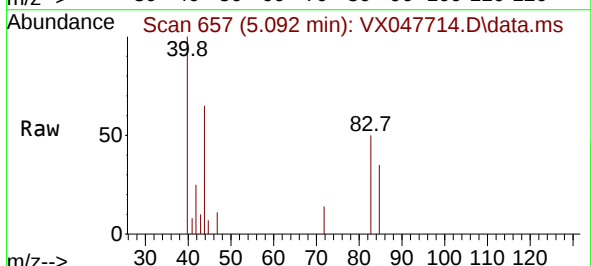
Acq: 22 Sep 2025 18:37

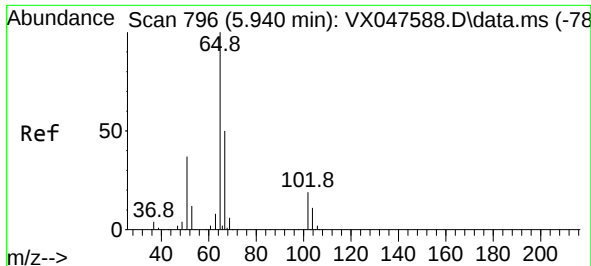
Tgt Ion: 83 Resp: 1101

Ion Ratio Lower Upper

83 100

85 69.4 51.8 77.6





#33

1,2-Dichloroethane-d4

Concen: 60.981 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047714.D

Acq: 22 Sep 2025 18:37

Instrument :

MSVOA_X

ClientSampleId :

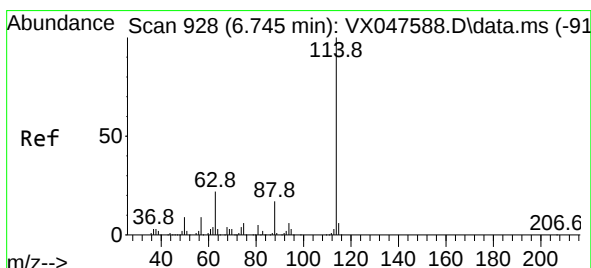
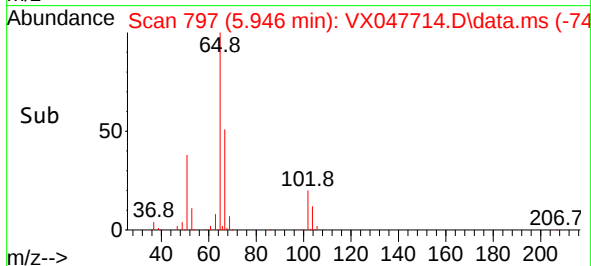
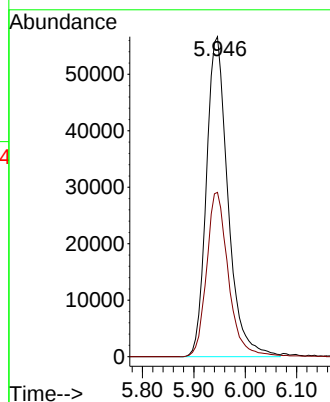
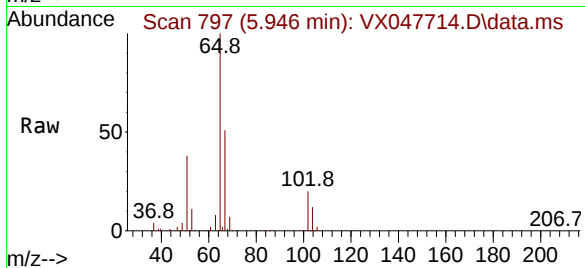
RE103D2-20250911

Tgt Ion: 65 Resp: 165106

Ion Ratio Lower Upper

65 100

67 52.1 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: VX047714.D

Acq: 22 Sep 2025 18:37

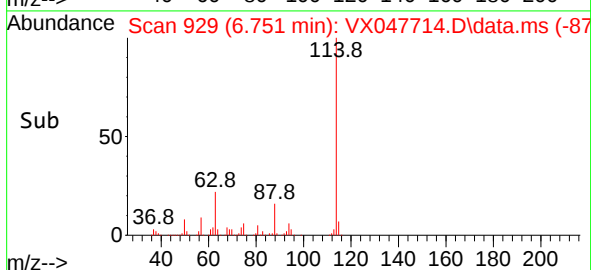
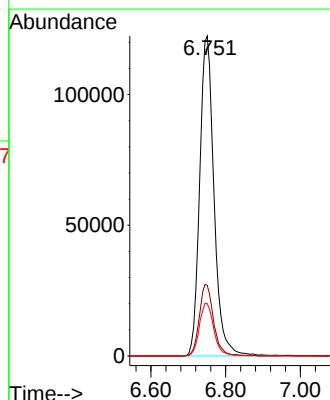
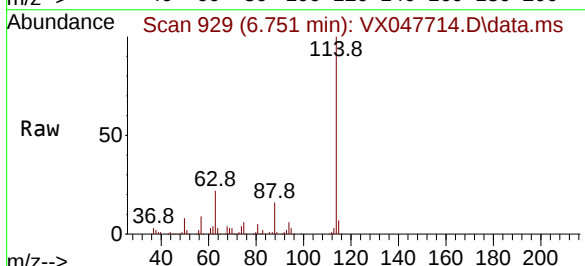
Tgt Ion: 114 Resp: 325449

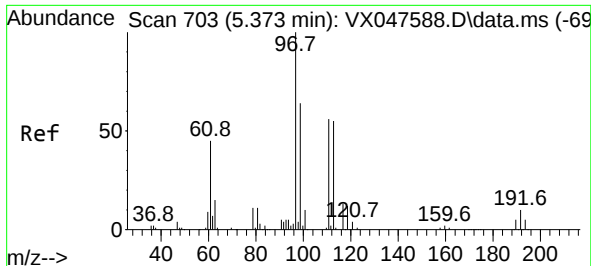
Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.0

88 16.3 0.0 34.2

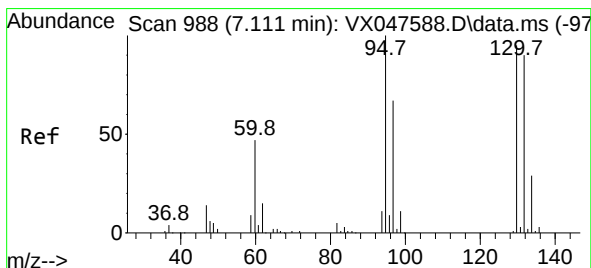
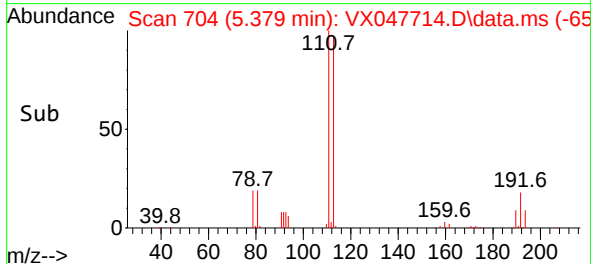
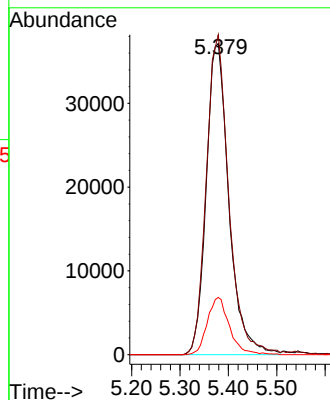
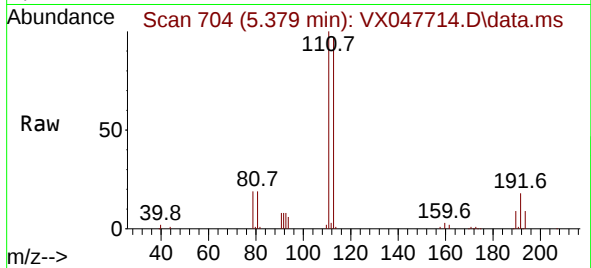




#35
Dibromofluoromethane
Concen: 55.300 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

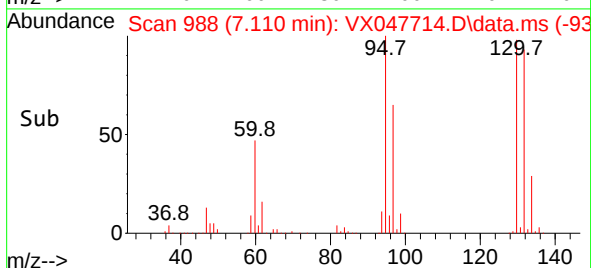
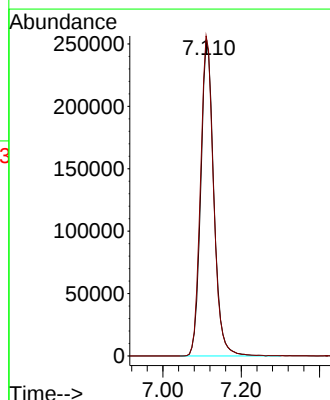
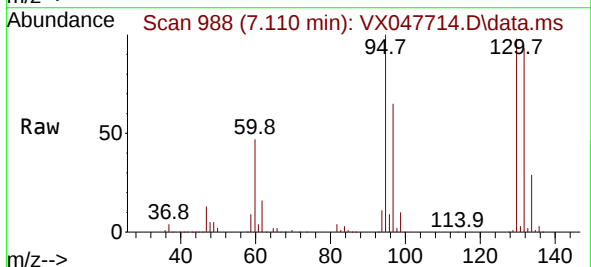
Instrument :
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RE103D2-20250911

Tgt Ion:113 Resp: 120701
Ion Ratio Lower Upper
113 100
111 102.5 80.9 121.3
192 18.1 14.2 21.4



#44
Trichloroethene
Concen: 250.718 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

Tgt Ion:130 Resp: 587164
Ion Ratio Lower Upper
130 100
95 101.7 0.0 210.8

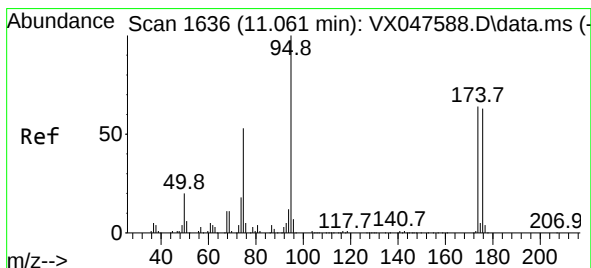
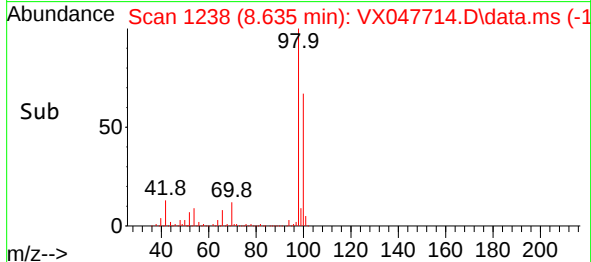
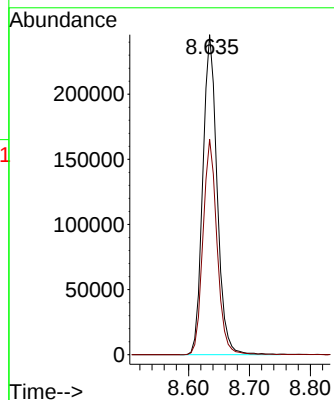
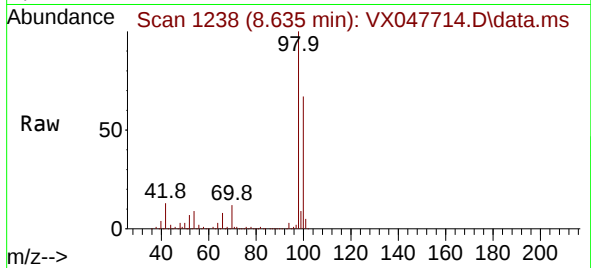




#50
Toluene-d8
Concen: 53.156 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

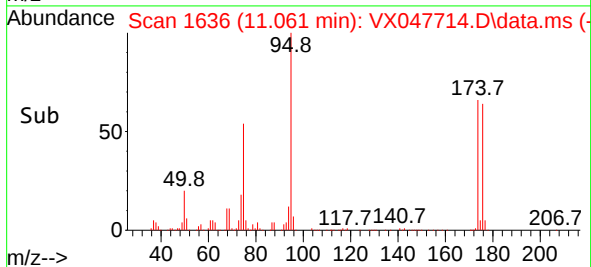
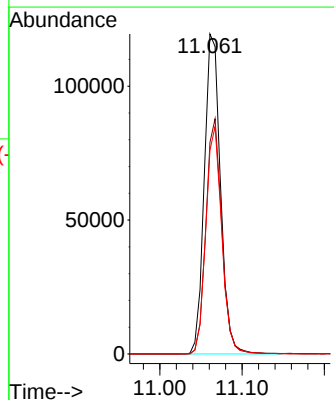
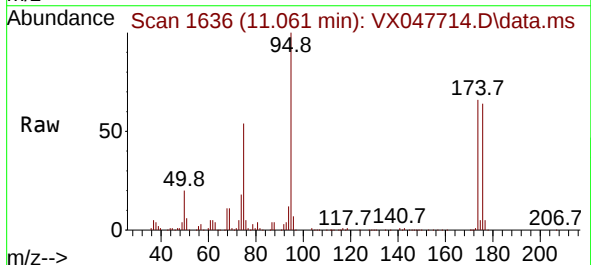
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250911

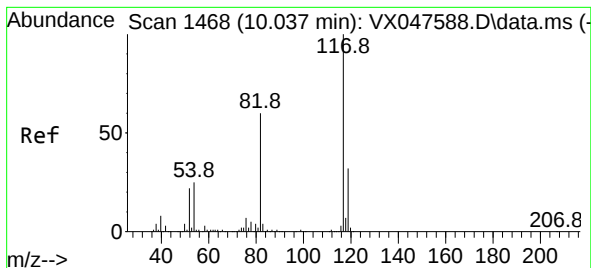
Tgt Ion: 98 Resp: 401455
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 56.980 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

Tgt Ion: 95 Resp: 163320
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.6
176 69.9 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: VX047714.D

Acq: 22 Sep 2025 18:37

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20250911

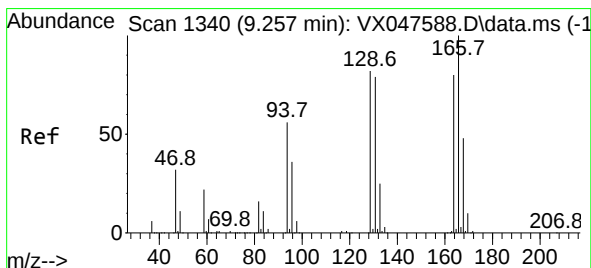
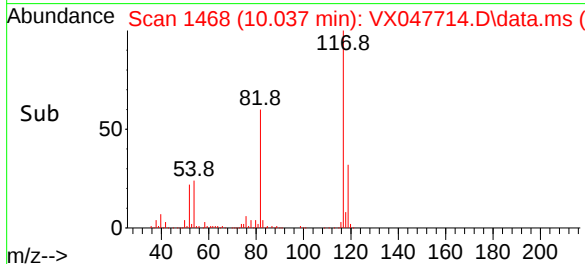
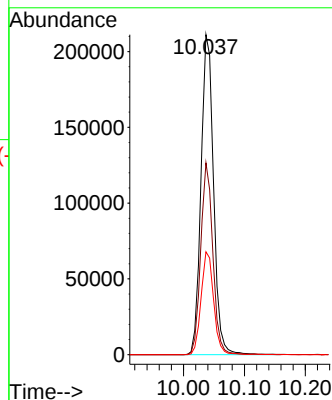
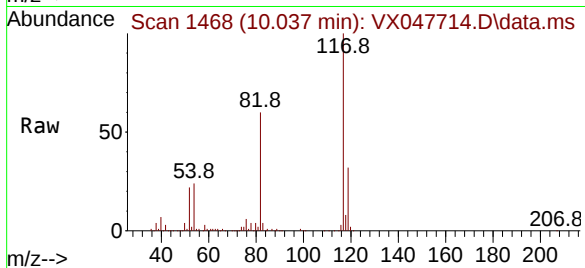
Tgt Ion:117 Resp: 301928

Ion Ratio Lower Upper

117 100

82 60.0 47.8 71.6

119 32.1 25.2 37.8



#64

Tetrachloroethene

Concen: 0.870 ug/l

RT: 9.262 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX047714.D

Acq: 22 Sep 2025 18:37

Tgt Ion:164 Resp: 1713

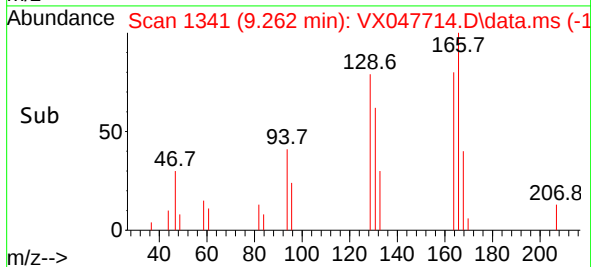
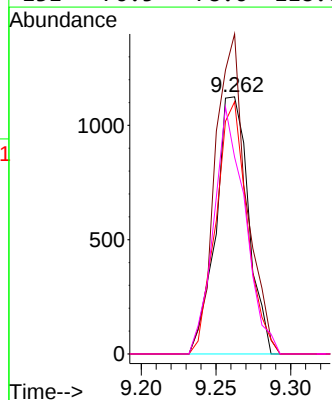
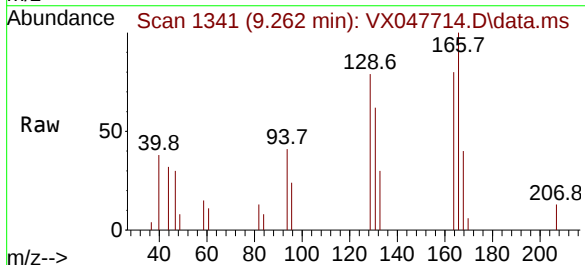
Ion Ratio Lower Upper

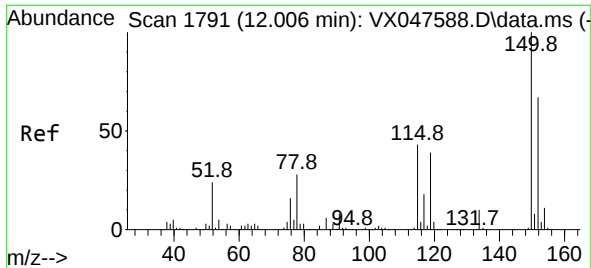
164 100

166 124.4 100.2 150.2

129 98.0 81.8 122.6

131 76.5 78.6 118.0#

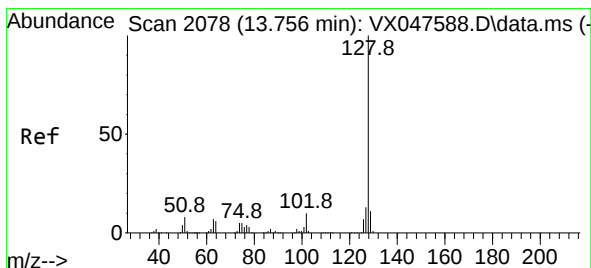
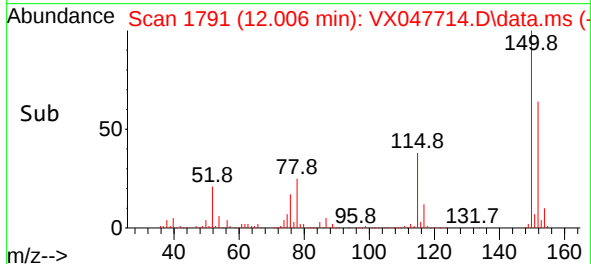
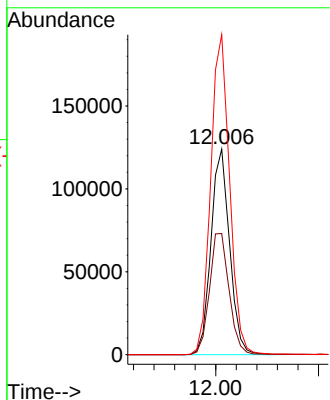
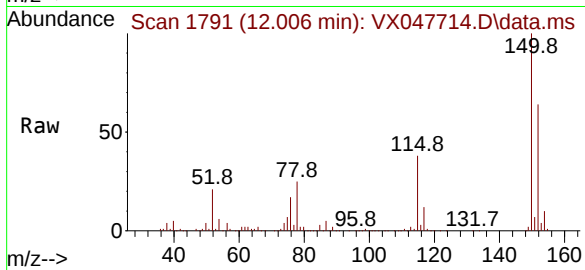




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250911

Tgt Ion:152 Resp: 156017
Ion Ratio Lower Upper
152 100
115 62.4 44.9 134.5
150 158.1 0.0 352.0



#95
Naphthalene
Concen: 0.672 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. 0.006 min
Lab File: VX047714.D
Acq: 22 Sep 2025 18:37

Tgt Ion:128 Resp: 6878
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.2
129 9.2 8.8 13.2

