

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047322.D
 Acq On : 13 Aug 2025 15:07
 Operator : JC/MD
 Sample : Q2814-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-518R-W

Quant Time: Aug 14 03:29:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

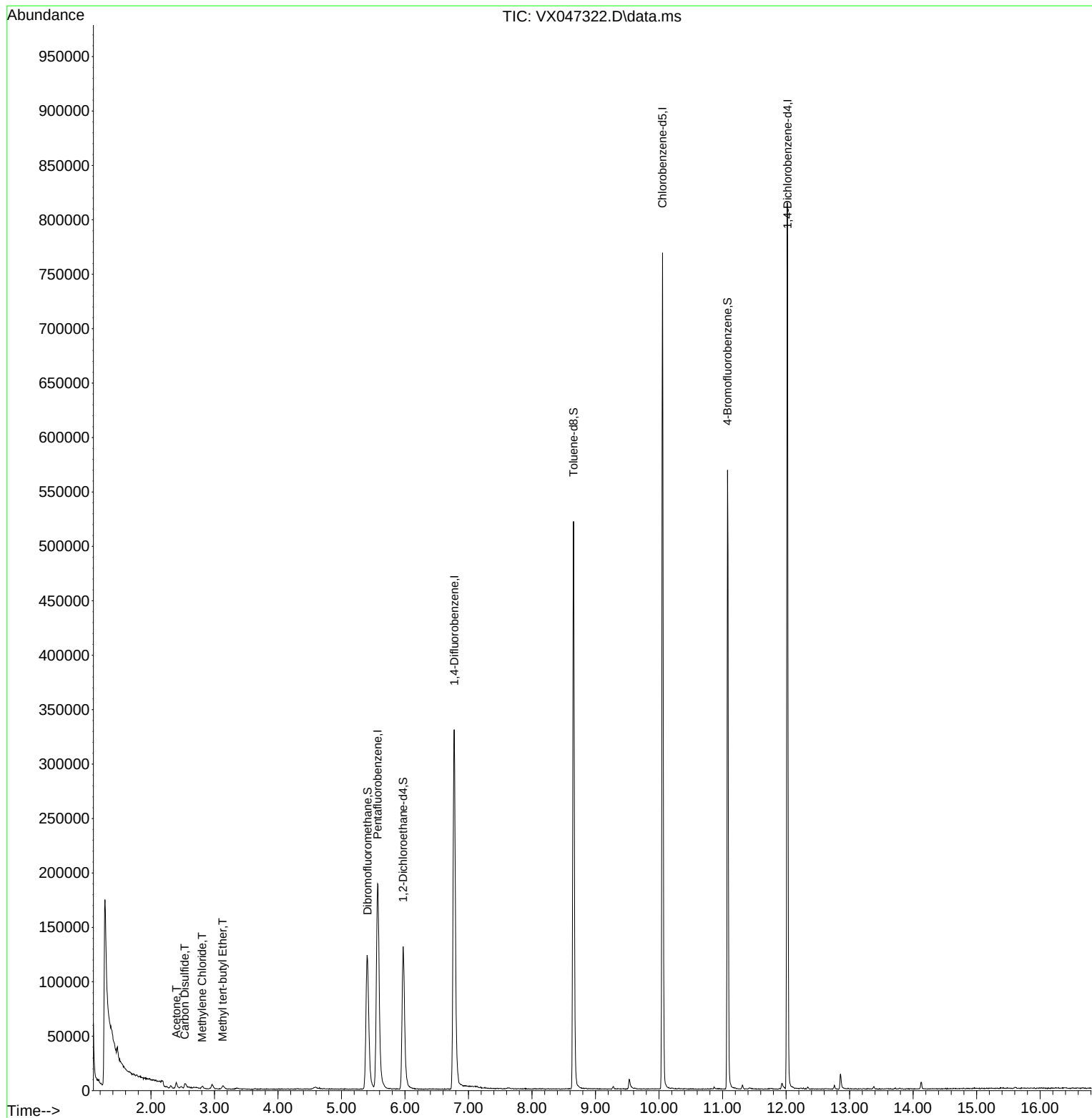
Internal Standards						
1) Pentafluorobenzene	5.568	168	191995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	355307	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	335766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	169163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	138615	57.958	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	115.920%
35) Dibromofluoromethane	5.410	113	118379	53.961	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.920%
50) Toluene-d8	8.653	98	319298	44.943	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.880%#
62) 4-Bromofluorobenzene	11.079	95	153320	50.078	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.160%
Target Compounds						
					Qvalue	
16) Acetone	2.398	43	7687	8.023	ug/l #	85
17) Carbon Disulfide	2.532	76	5664	0.811	ug/l #	95
19) Methyl tert-butyl Ether	3.129	73	3567	0.486	ug/l	96
20) Methylene Chloride	2.806	84	876	0.332	ug/l #	81

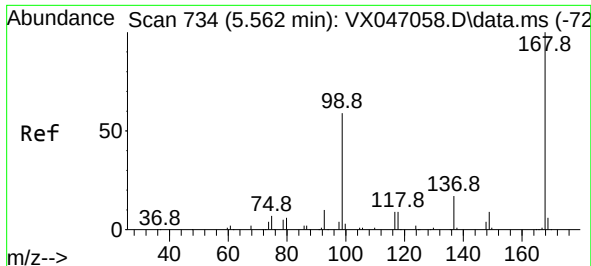
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

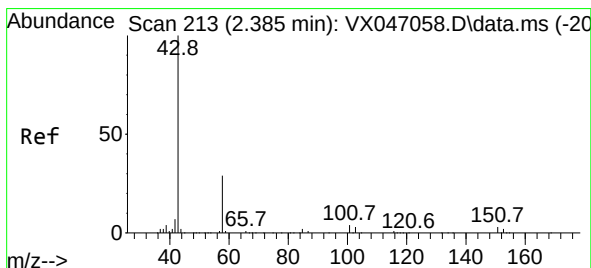
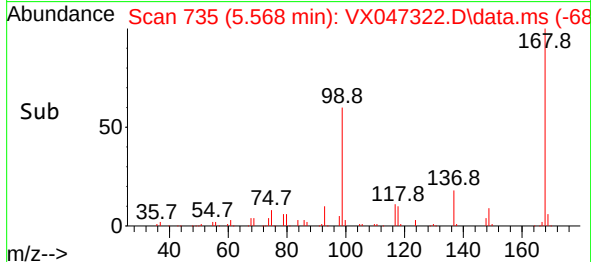
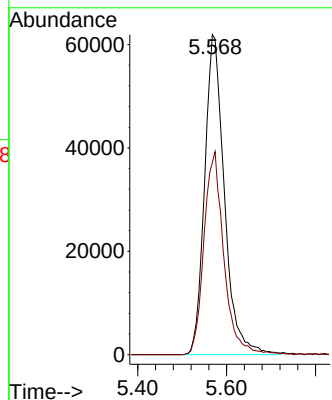
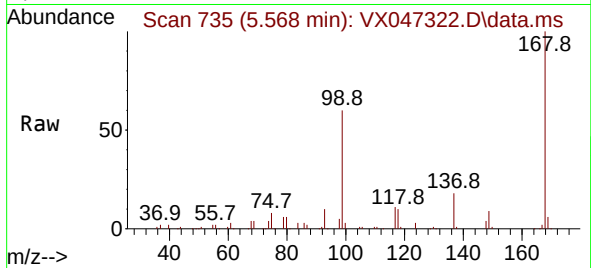




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

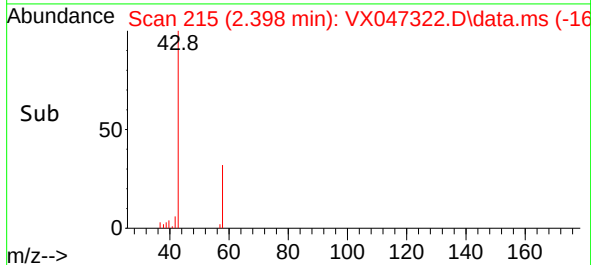
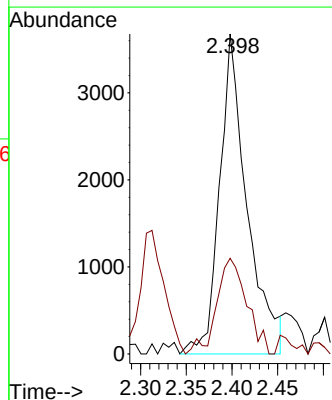
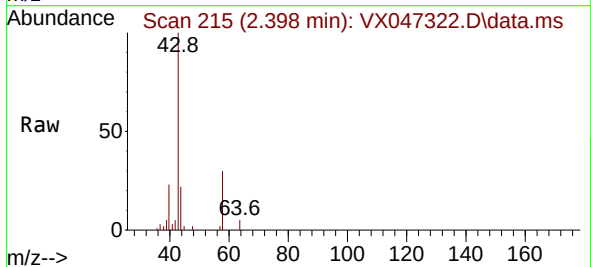
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

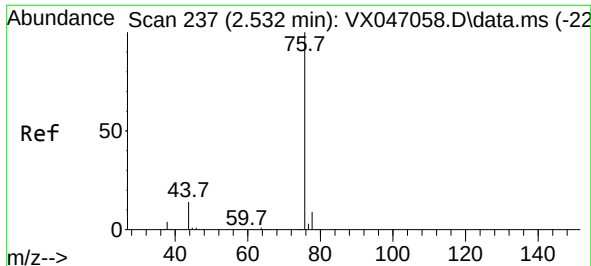
Tgt Ion:168 Resp: 191995
Ion Ratio Lower Upper
168 100
99 60.1 48.0 72.0



#16
Acetone
Concen: 8.023 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion: 43 Resp: 7687
Ion Ratio Lower Upper
43 100
58 21.9 24.0 36.0#





#17

Carbon Disulfide

Concen: 0.811 ug/l

RT: 2.532 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX047322.D

Acq: 13 Aug 2025 15:07

Instrument :

MSVOA_X

ClientSampleId :

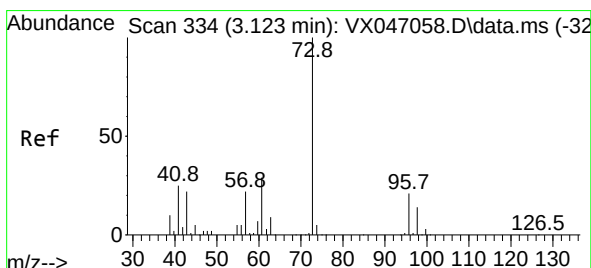
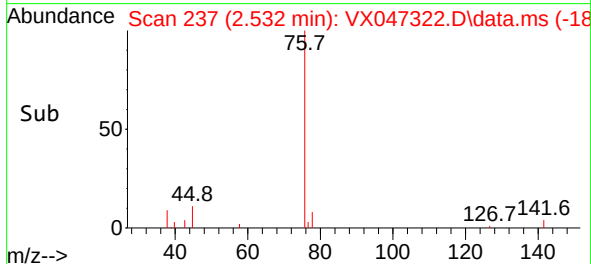
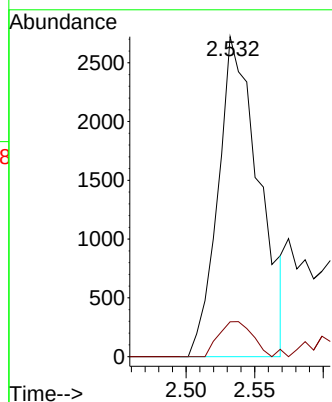
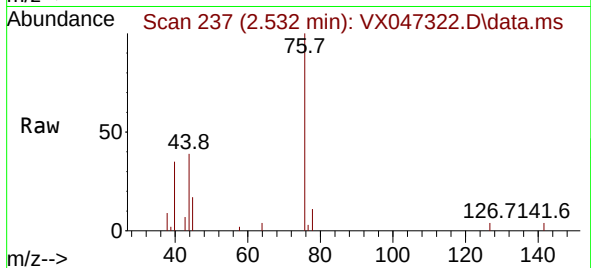
TW-518R-W

Tgt Ion: 76 Resp: 5664

Ion Ratio Lower Upper

76 100

78 10.6 7.0 10.4#



#19

Methyl tert-butyl Ether

Concen: 0.486 ug/l

RT: 3.129 min Scan# 335

Delta R.T. 0.006 min

Lab File: VX047322.D

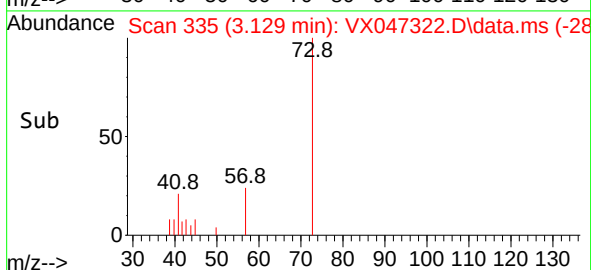
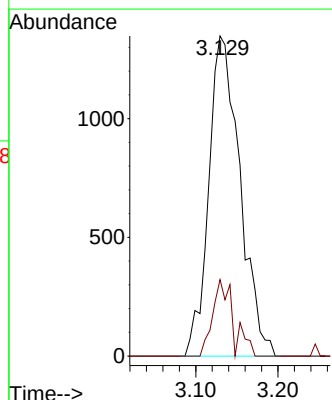
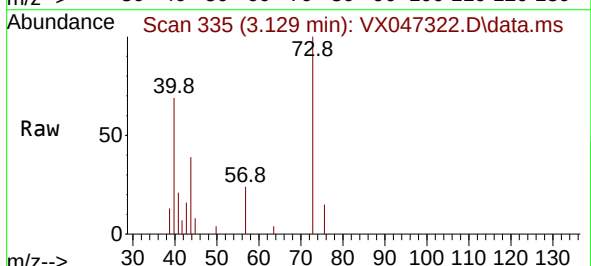
Acq: 13 Aug 2025 15:07

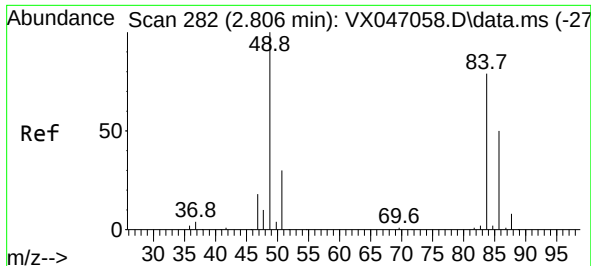
Tgt Ion: 73 Resp: 3567

Ion Ratio Lower Upper

73 100

57 23.9 17.7 26.5

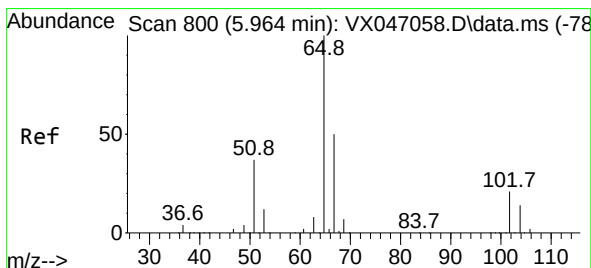
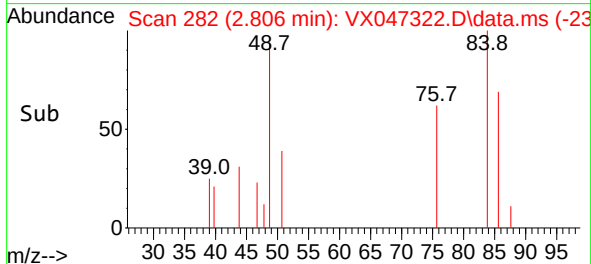
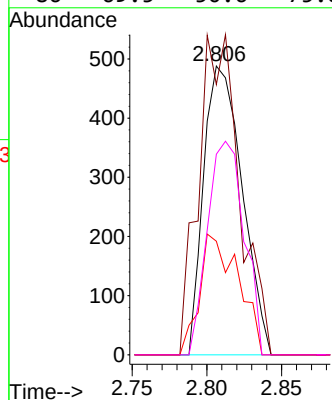
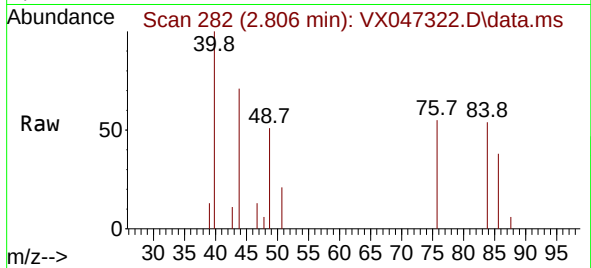




#20
Methylene Chloride
Concen: 0.332 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

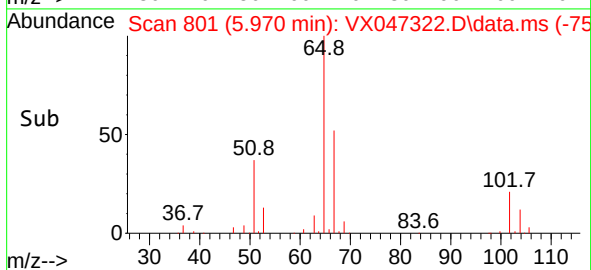
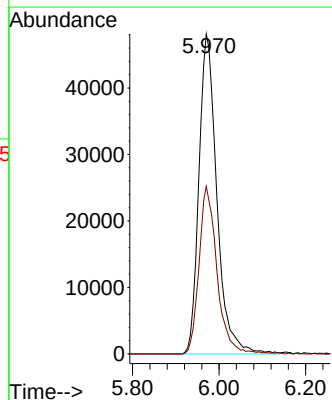
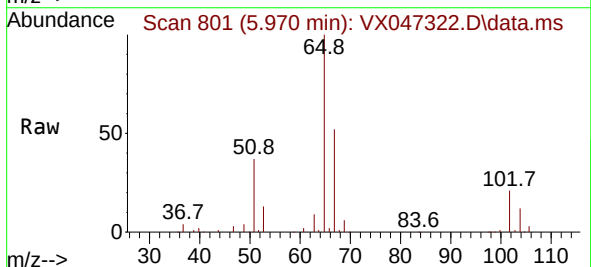
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

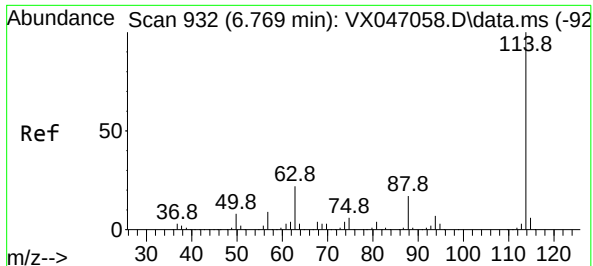
Tgt Ion:	84	Resp:	876
Ion	Ratio	Lower	Upper
84	100		
49	93.6	101.6	152.4#
51	39.3	30.3	45.5
86	69.5	50.6	75.8



#33
1,2-Dichloroethane-d4
Concen: 57.958 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion:	65	Resp:	138615
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.8

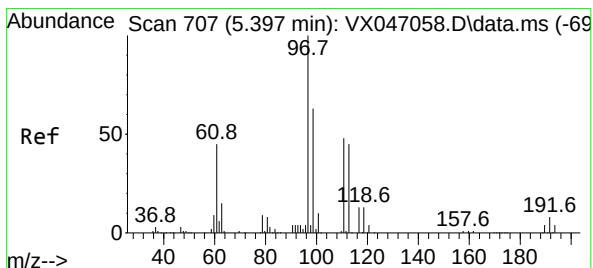
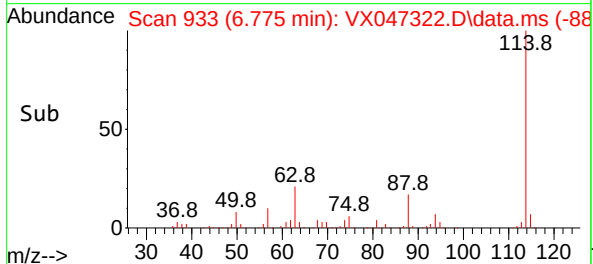
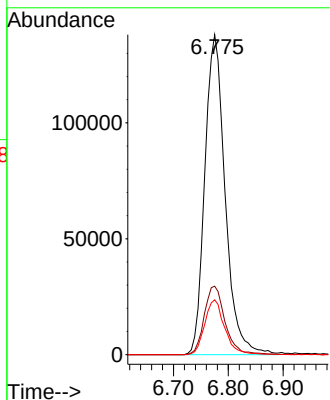
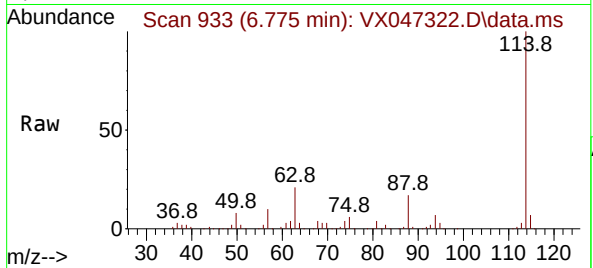




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

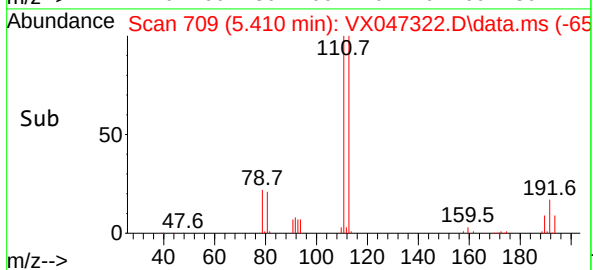
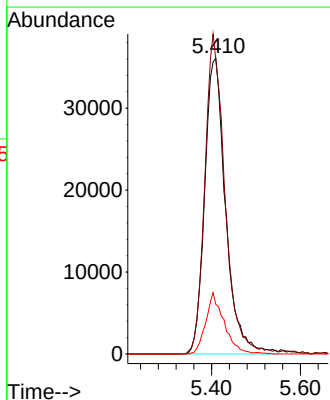
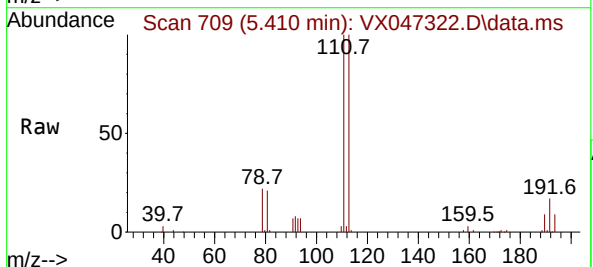
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

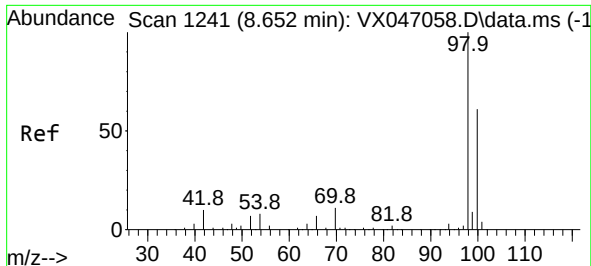
Tgt Ion:114 Resp: 355307
Ion Ratio Lower Upper
114 100
63 21.4 0.0 43.2
88 17.2 0.0 33.8



#35
Dibromofluoromethane
Concen: 53.961 ug/l
RT: 5.410 min Scan# 709
Delta R.T. 0.013 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion:113 Resp: 118379
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 18.1 14.9 22.3





#50

Toluene-d8

Concen: 44.943 ug/l

RT: 8.653 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047322.D

Acq: 13 Aug 2025 15:07

Instrument :

MSVOA_X

ClientSampleId :

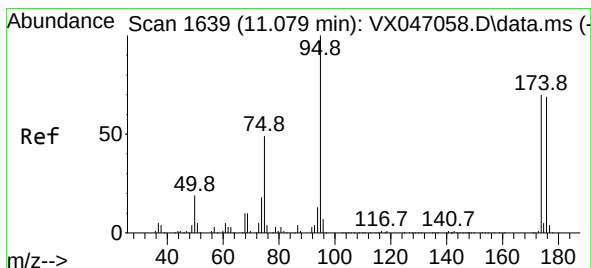
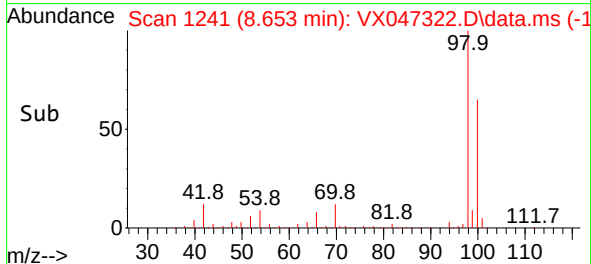
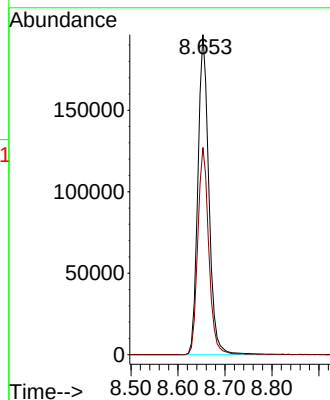
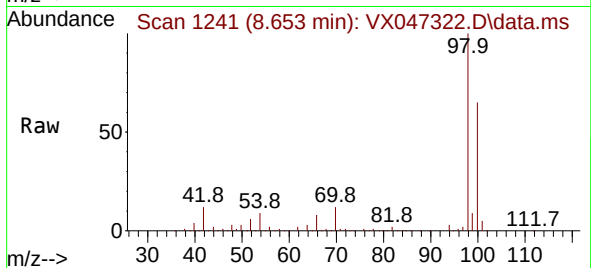
TW-518R-W

Tgt Ion: 98 Resp: 319298

Ion Ratio Lower Upper

98 100

100 65.1 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 50.078 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047322.D

Acq: 13 Aug 2025 15:07

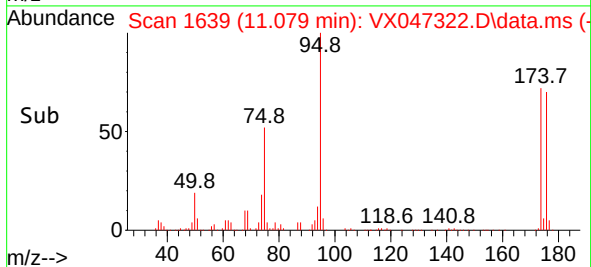
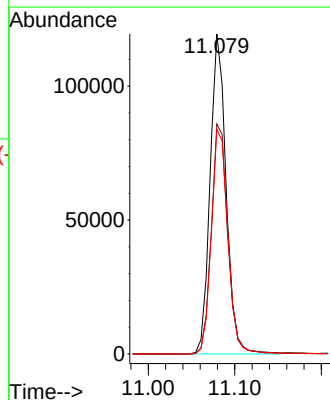
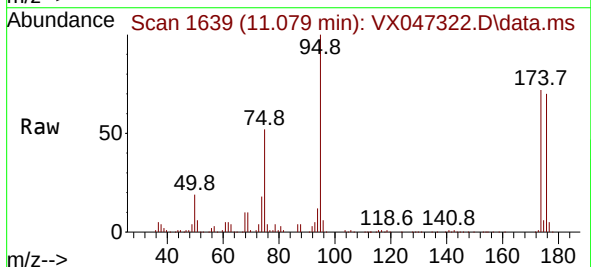
Tgt Ion: 95 Resp: 153320

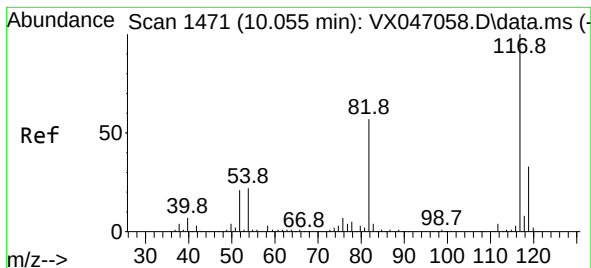
Ion Ratio Lower Upper

95 100

174 73.6 0.0 144.6

176 72.7 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047322.D

Acq: 13 Aug 2025 15:07

Instrument :

MSVOA_X

ClientSampleId :

TW-518R-W

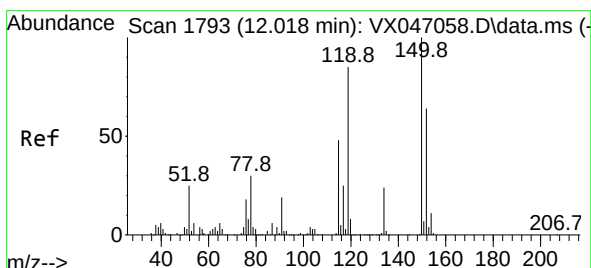
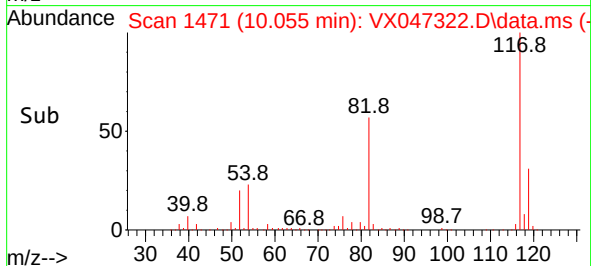
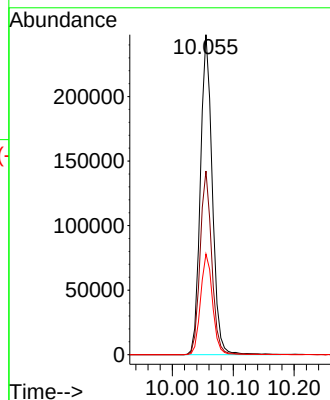
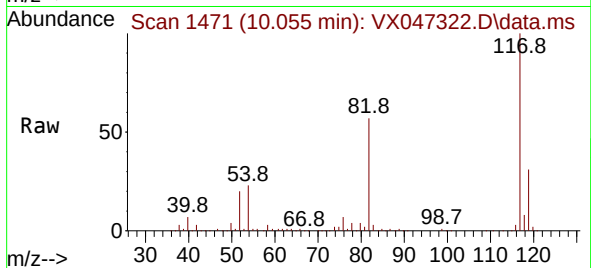
Tgt Ion:117 Resp: 335766

Ion Ratio Lower Upper

117 100

82 57.4 45.4 68.2

119 31.5 26.1 39.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX047322.D

Acq: 13 Aug 2025 15:07

Tgt Ion:152 Resp: 169163

Ion Ratio Lower Upper

152 100

115 61.3 45.6 136.7

150 155.1 0.0 354.6

