

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
 Data File : VX047295.D
 Acq On : 12 Aug 2025 14:34
 Operator : JC/MD
 Sample : Q2814-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-82H-E

Quant Time: Aug 13 01:21:46 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)

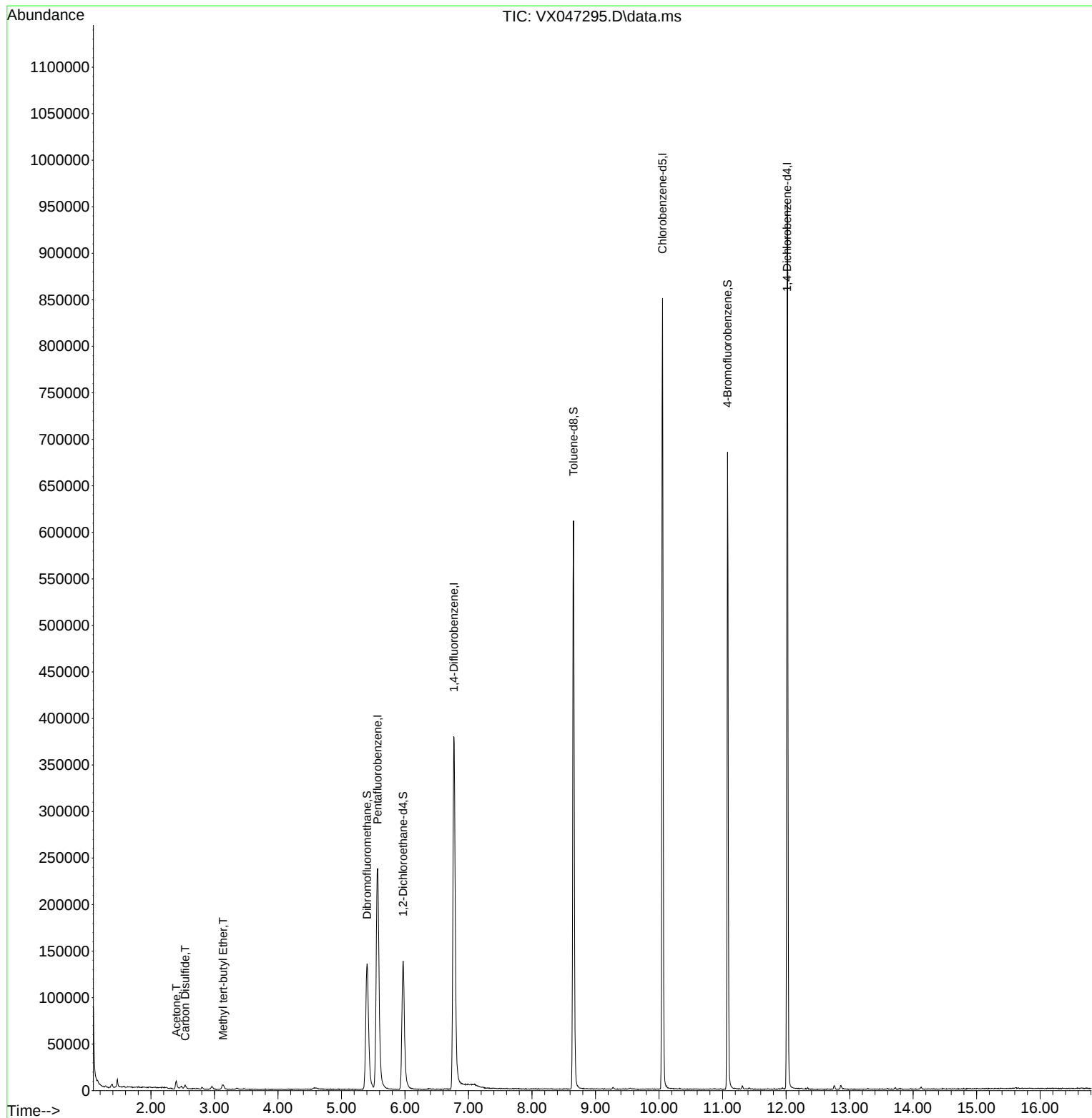
Internal Standards						
1) Pentafluorobenzene	5.568	168	246817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	417838	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	379612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	196582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	147445	47.956	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.920%
35) Dibromofluoromethane	5.403	113	130786	50.695	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.380%
50) Toluene-d8	8.653	98	371795	44.500	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.000%#
62) 4-Bromofluorobenzene	11.079	95	182279	50.626	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.260%
Target Compounds						
					Qvalue	
16) Acetone	2.398	43	11956	9.707	ug/l	99
17) Carbon Disulfide	2.538	76	2434	0.271	ug/l #	76
19) Methyl tert-butyl Ether	3.136	73	6183	0.655	ug/l	96

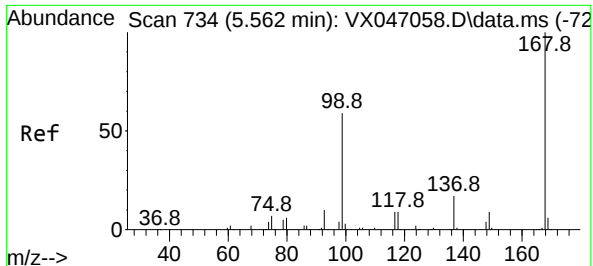
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

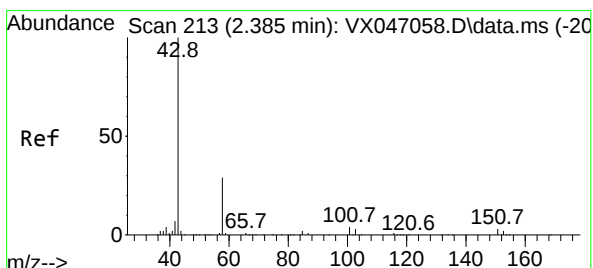
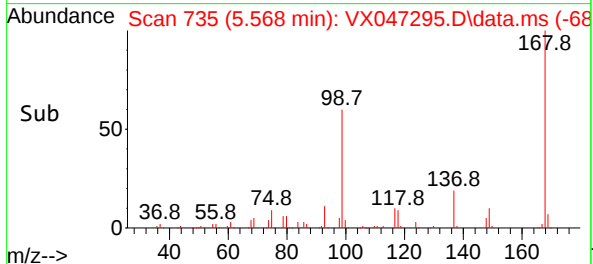
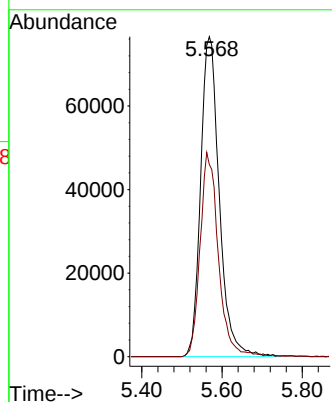
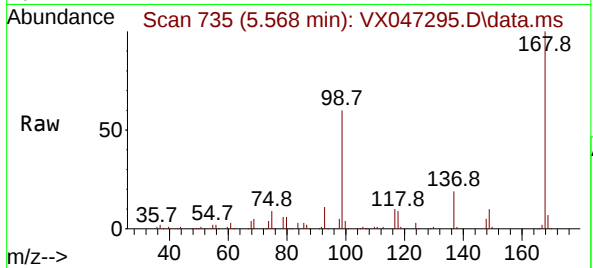




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

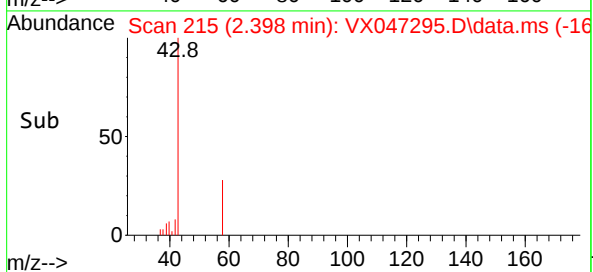
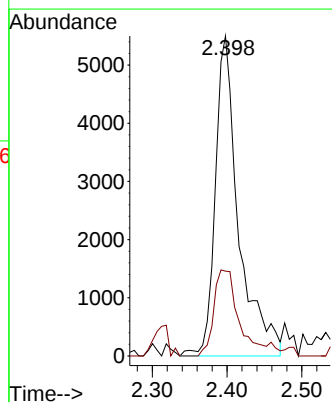
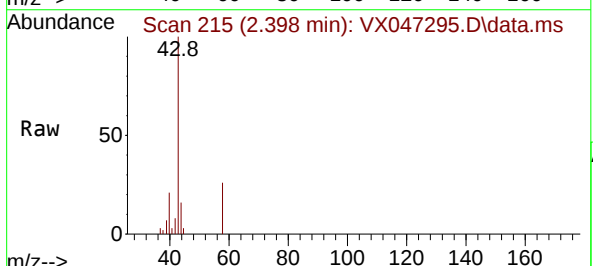
Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

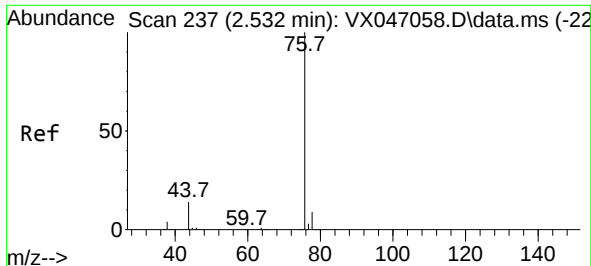
Tgt Ion:168 Resp: 246817
Ion Ratio Lower Upper
168 100
99 60.0 48.0 72.0



#16
Acetone
Concen: 9.707 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Tgt Ion: 43 Resp: 11956
Ion Ratio Lower Upper
43 100
58 30.5 24.0 36.0





#17

Carbon Disulfide

Concen: 0.271 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX047295.D

Acq: 12 Aug 2025 14:34

Instrument :

MSVOA_X

ClientSampleId :

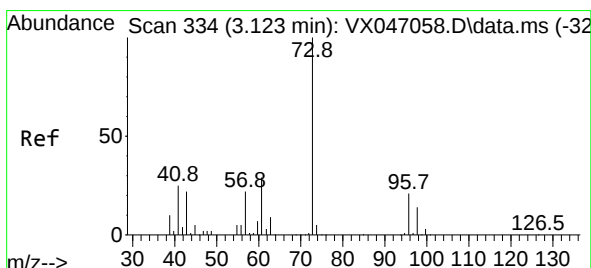
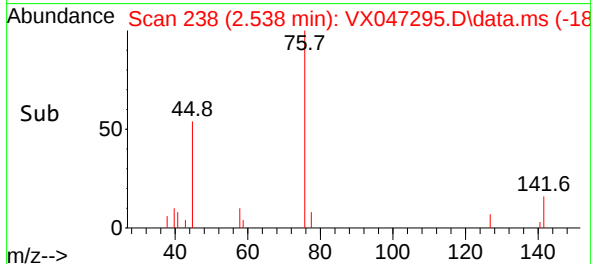
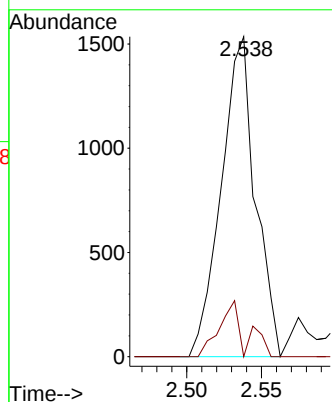
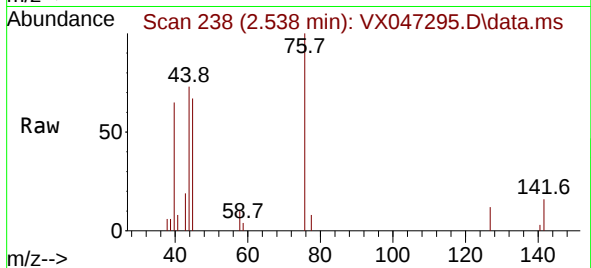
TW-82H-E

Tgt Ion: 76 Resp: 2434

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#19

Methyl tert-butyl Ether

Concen: 0.655 ug/l

RT: 3.136 min Scan# 336

Delta R.T. 0.013 min

Lab File: VX047295.D

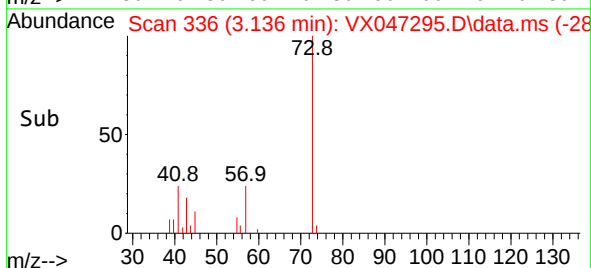
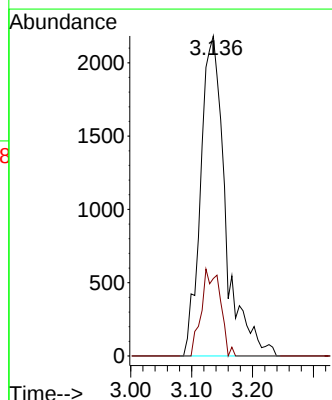
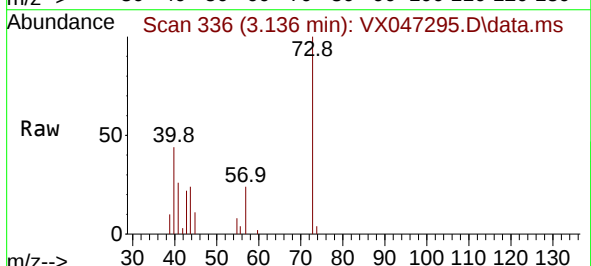
Acq: 12 Aug 2025 14:34

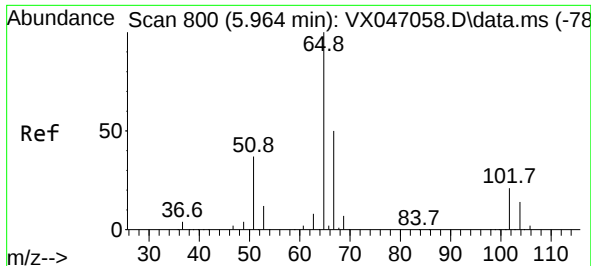
Tgt Ion: 73 Resp: 6183

Ion Ratio Lower Upper

73 100

57 24.2 17.7 26.5

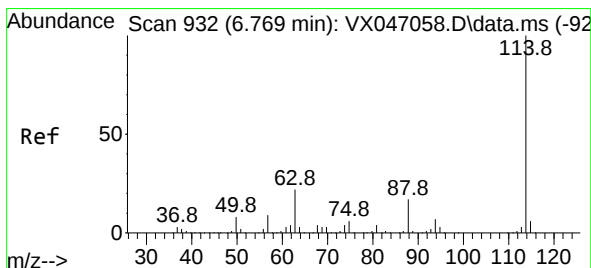
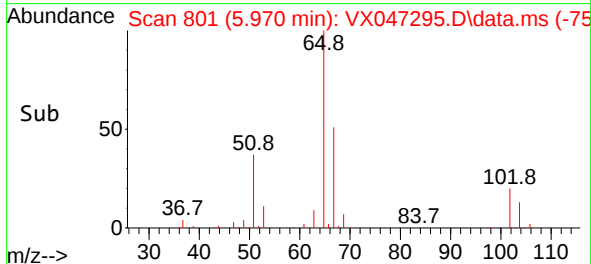
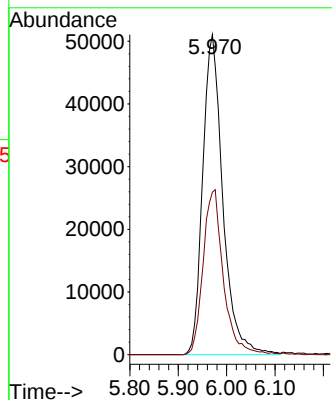
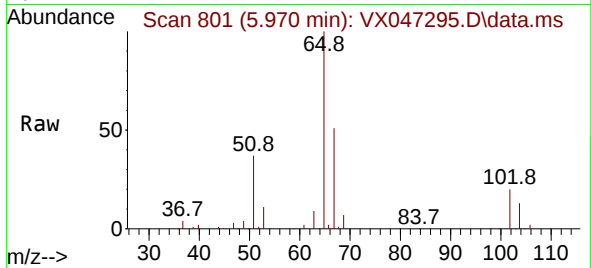




#33
 1,2-Dichloroethane-d4
 Concen: 47.956 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.006 min
 Lab File: VX047295.D
 Acq: 12 Aug 2025 14:34

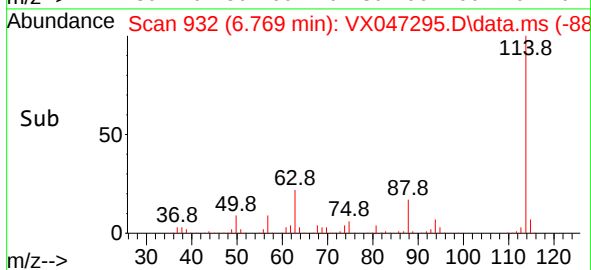
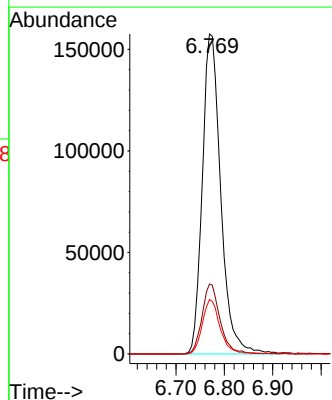
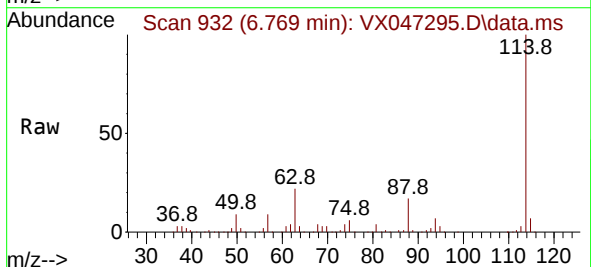
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-82H-E

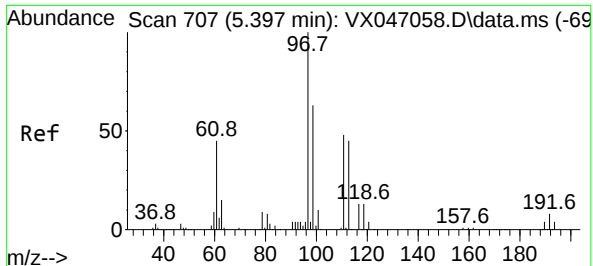
Tgt Ion: 65 Resp: 147445
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047295.D
 Acq: 12 Aug 2025 14:34

Tgt Ion: 114 Resp: 417838
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.2
 88 17.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.695 ug/l

RT: 5.403 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX047295.D

Acq: 12 Aug 2025 14:34

Instrument :

MSVOA_X

ClientSampleId :

TW-82H-E

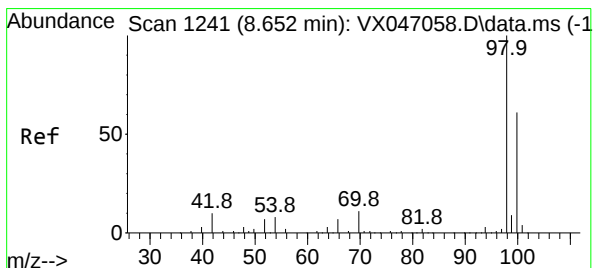
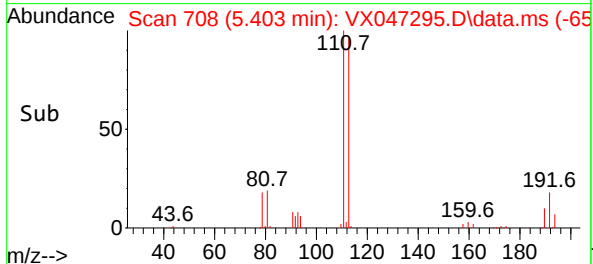
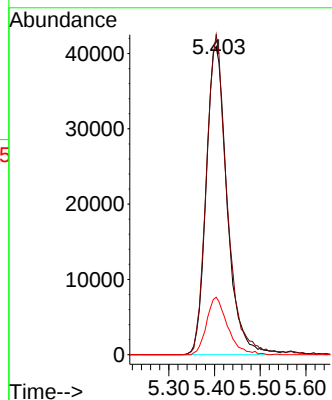
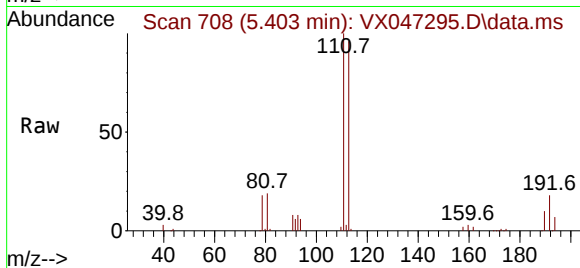
Tgt Ion:113 Resp: 130786

Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 18.6 14.9 22.3



#50

Toluene-d8

Concen: 44.500 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047295.D

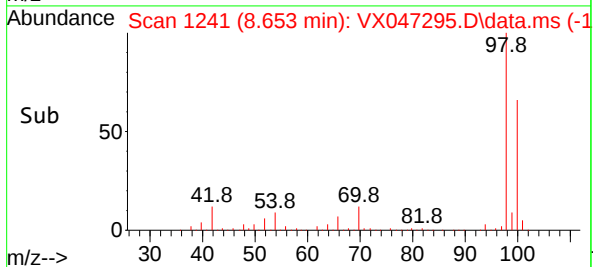
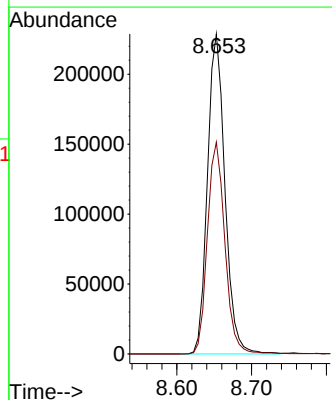
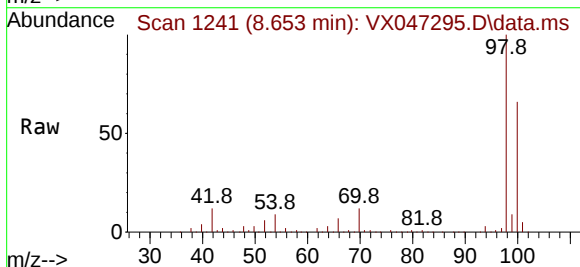
Acq: 12 Aug 2025 14:34

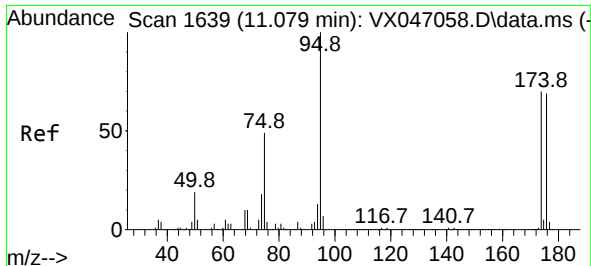
Tgt Ion: 98 Resp: 371795

Ion Ratio Lower Upper

98 100

100 66.4 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 50.626 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047295.D

Acq: 12 Aug 2025 14:34

Instrument :

MSVOA_X

ClientSampleId :

TW-82H-E

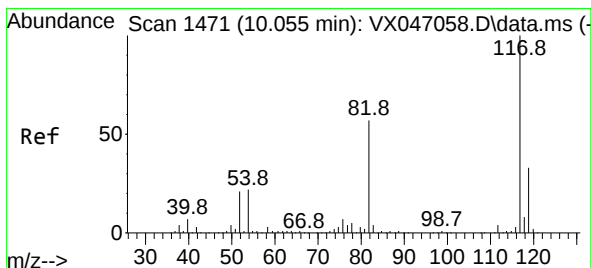
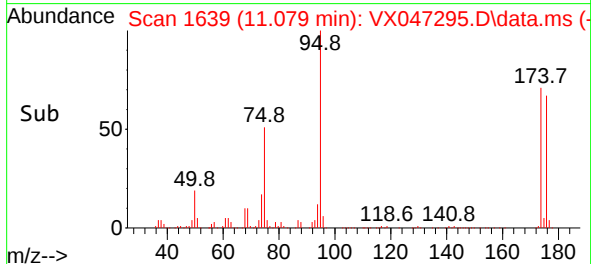
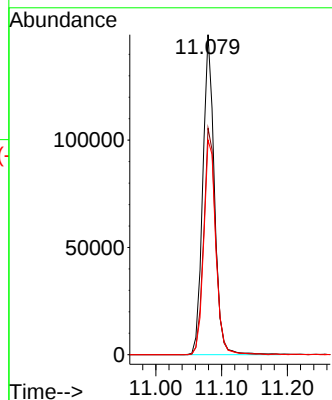
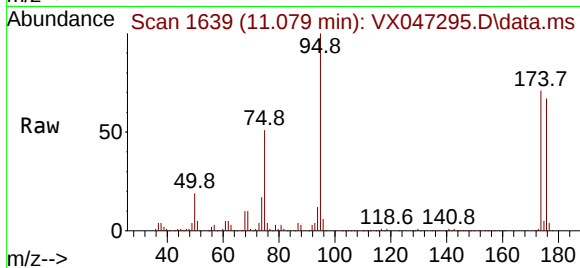
Tgt Ion: 95 Resp: 182279

Ion Ratio Lower Upper

95 100

174 73.9 0.0 144.6

176 70.0 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: VX047295.D

Acq: 12 Aug 2025 14:34

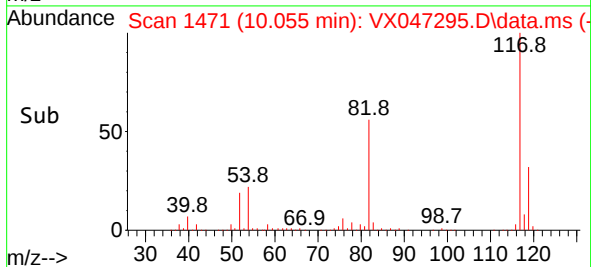
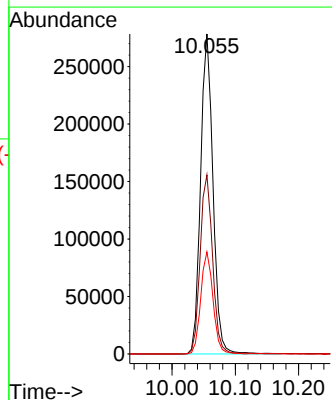
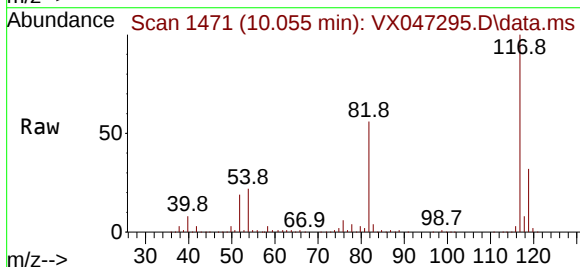
Tgt Ion: 117 Resp: 379612

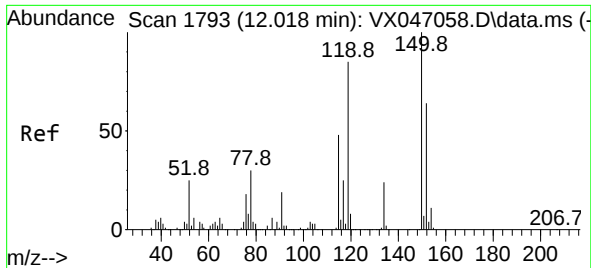
Ion Ratio Lower Upper

117 100

82 55.9 45.4 68.2

119 31.9 26.1 39.1





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047295.D
 Acq: 12 Aug 2025 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-82H-E

Tgt Ion:152 Resp: 196582
 Ion Ratio Lower Upper
 152 100
 115 62.3 45.6 136.7
 150 158.2 0.0 354.6

