

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090225\
 Data File : VX047583.D
 Acq On : 02 Sep 2025 14:47
 Operator : JC/MD
 Sample : Q2990-04 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 307

Quant Time: Sep 03 02:18:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:31:18 2025
 Response via : Initial Calibration

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

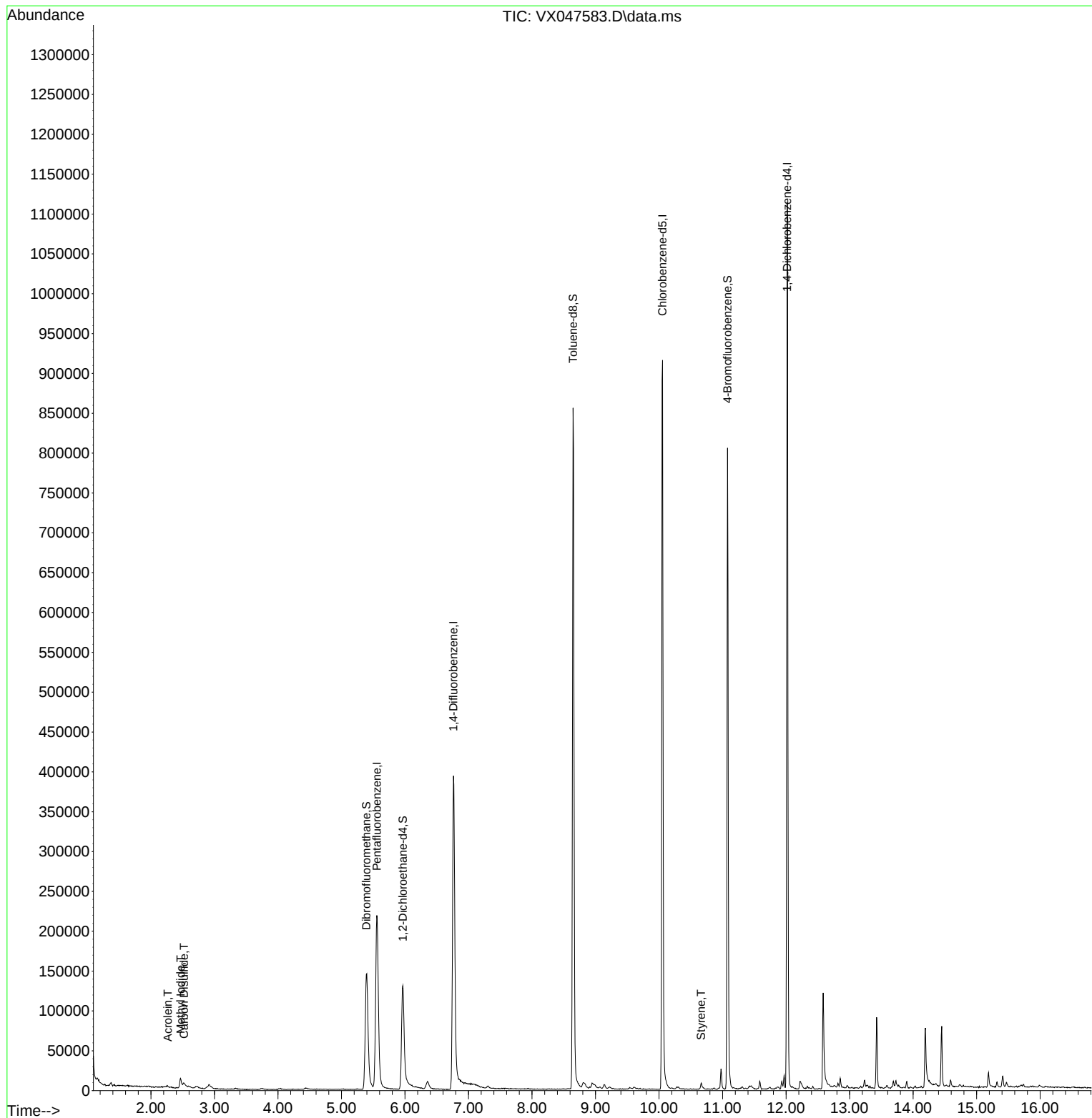
Internal Standards						
1) Pentafluorobenzene	5.556	168	212884	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	427622	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	433451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	222952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	155952	47.704	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.400%
35) Dibromofluoromethane	5.391	113	143517	48.899	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.800%
50) Toluene-d8	8.647	98	529302	51.451	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.900%
62) 4-Bromofluorobenzene	11.079	95	222862	57.665	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.340%
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.465	142	16272	3.877	ug/l	98
13) Acrolein	2.264	56	2626	4.360	ug/l	98
17) Carbon Disulfide	2.520	76	4434	0.555	ug/l #	83
70) Styrene	10.659	104	3655	0.345	ug/l	93

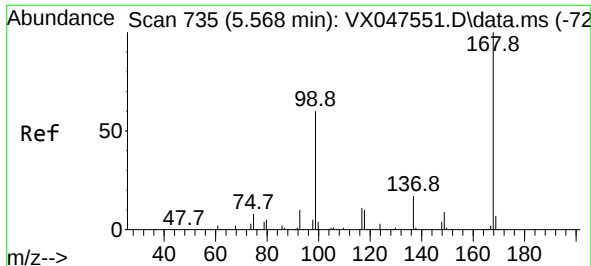
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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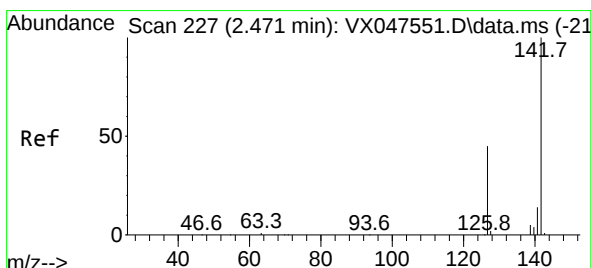
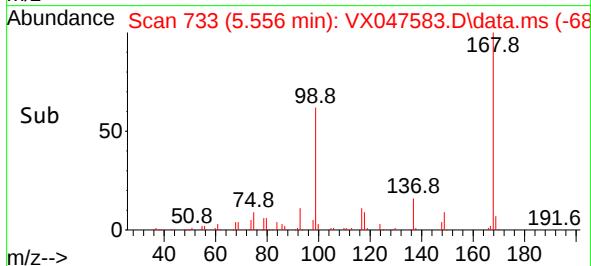
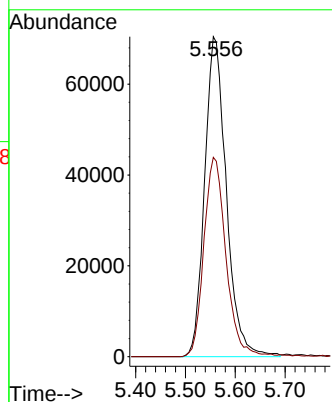
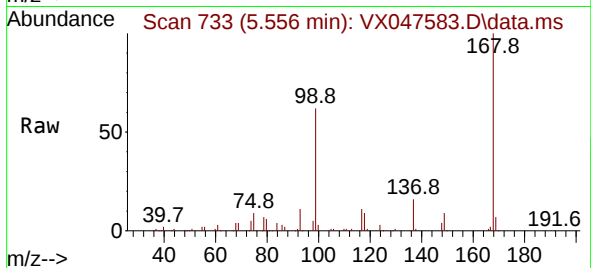




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

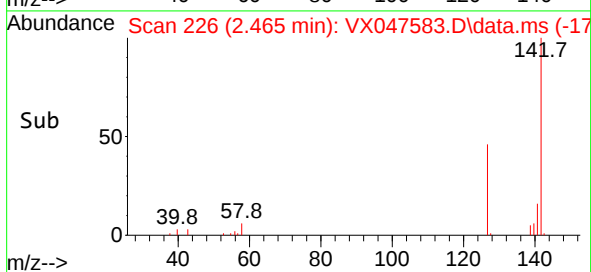
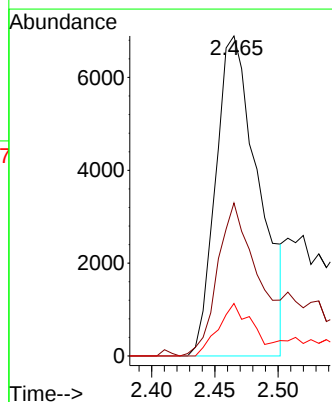
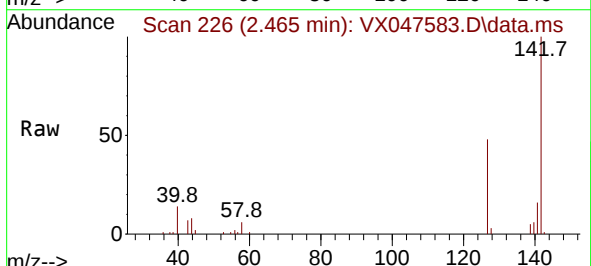
Instrument :
MSVOA_X
ClientSampleId :
307

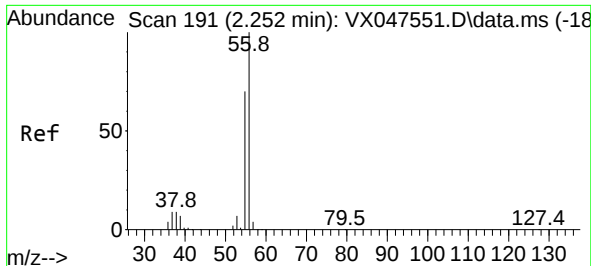
Tgt Ion:168 Resp: 212884
Ion Ratio Lower Upper
168 100
99 62.3 48.9 73.3



#10
Methyl Iodide
Concen: 3.877 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

Tgt Ion:142 Resp: 16272
Ion Ratio Lower Upper
142 100
127 45.6 37.6 56.4
141 13.4 10.6 16.0

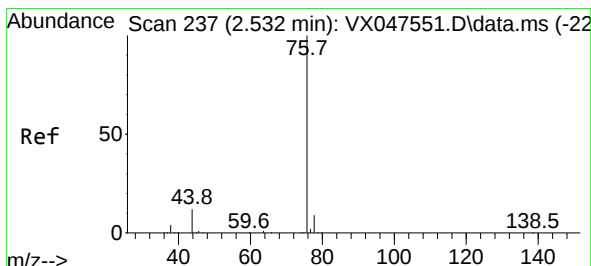
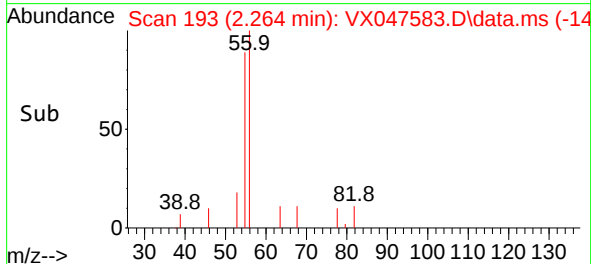
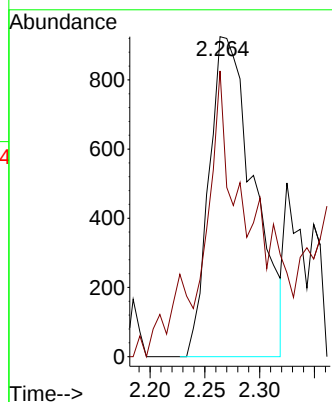
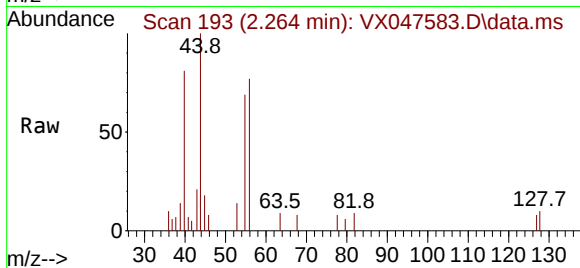




#13
Acrolein
Concen: 4.360 ug/l
RT: 2.264 min Scan# 191
Delta R.T. 0.012 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

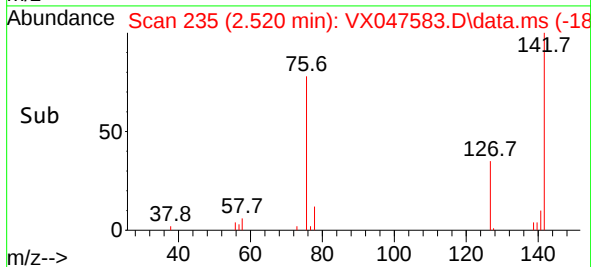
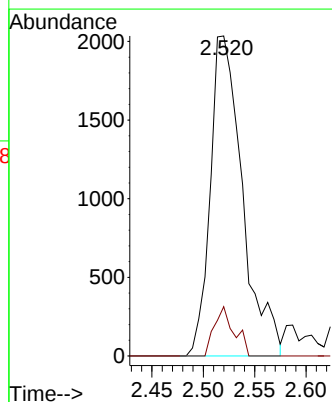
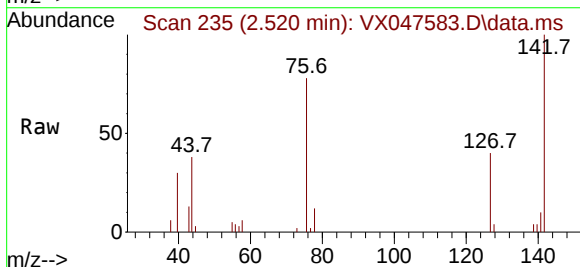
Instrument :
MSVOA_X
ClientSampleId :
307

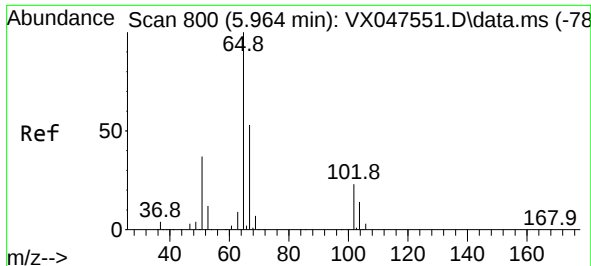
Tgt Ion: 56 Resp: 2626
Ion Ratio Lower Upper
56 100
55 73.0 57.0 85.6



#17
Carbon Disulfide
Concen: 0.555 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.012 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

Tgt Ion: 76 Resp: 4434
Ion Ratio Lower Upper
76 100
78 15.4 7.4 11.0#

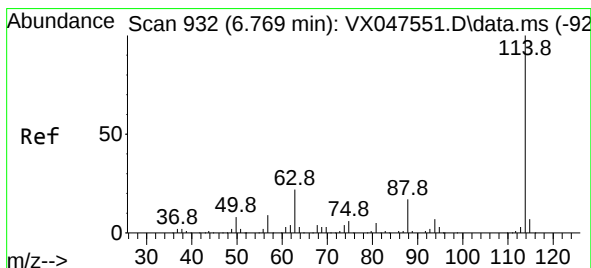
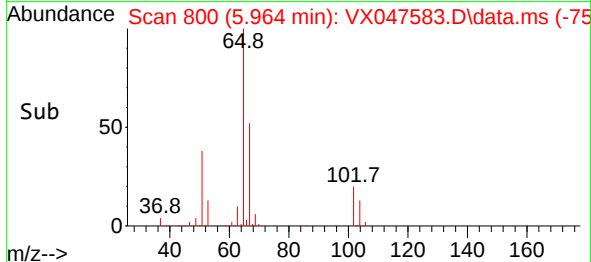
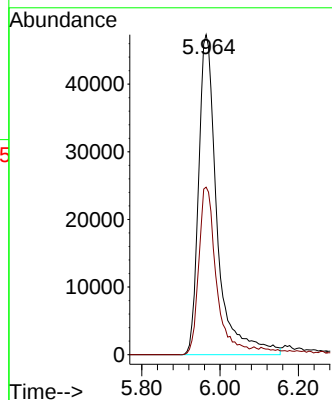
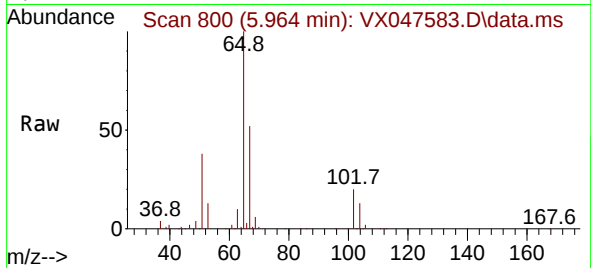




#33
 1,2-Dichloroethane-d4
 Concen: 47.704 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. -0.000 min
 Lab File: VX047583.D
 Acq: 02 Sep 2025 14:47

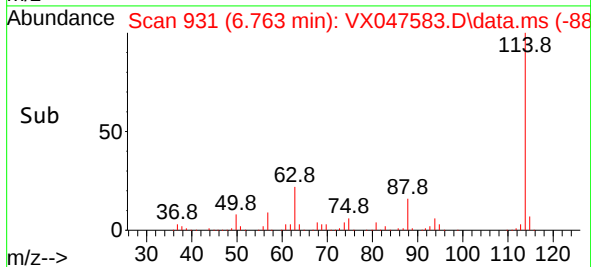
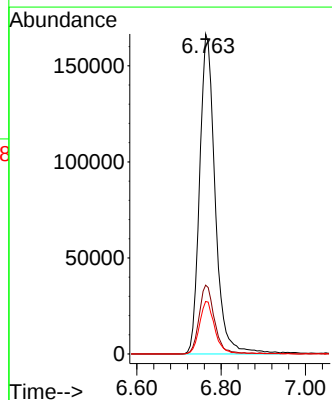
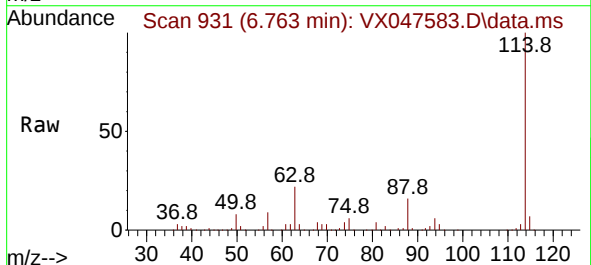
Instrument :
 MSVOA_X
 ClientSampleId :
 307

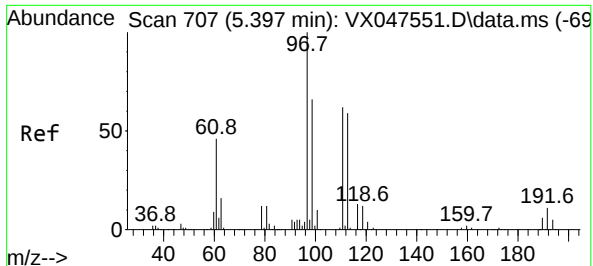
Tgt Ion: 65 Resp: 155952
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.006 min
 Lab File: VX047583.D
 Acq: 02 Sep 2025 14:47

Tgt Ion: 114 Resp: 427622
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.6
 88 16.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.899 ug/l

RT: 5.391 min Scan# 707

Delta R.T. -0.006 min

Lab File: VX047583.D

Acq: 02 Sep 2025 14:47

Instrument :

MSVOA_X

ClientSampleId :

307

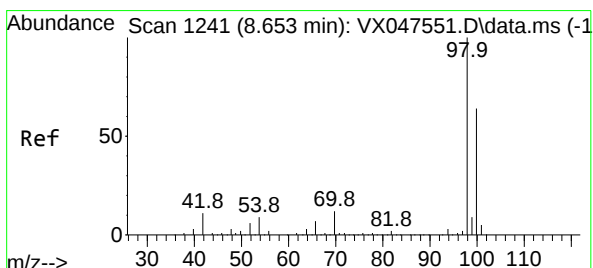
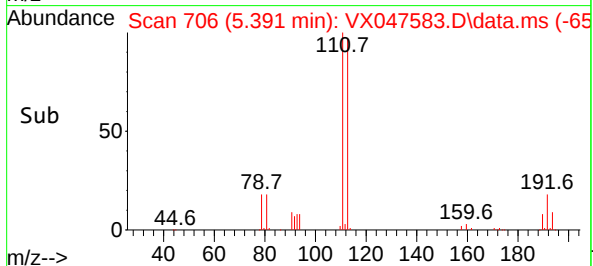
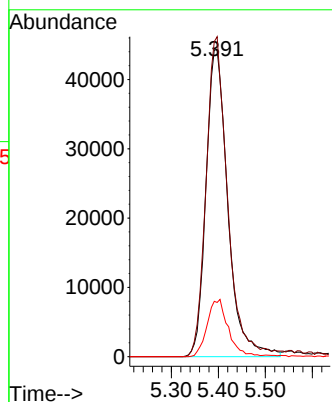
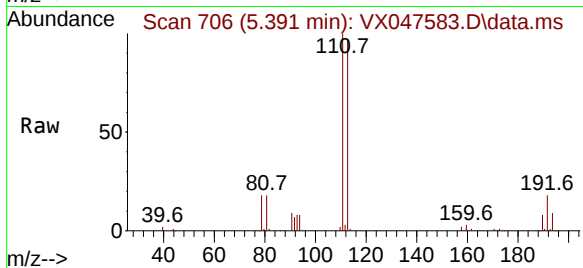
Tgt Ion:113 Resp: 143517

Ion Ratio Lower Upper

113 100

111 101.7 81.2 121.8

192 17.9 14.2 21.4



#50

Toluene-d8

Concen: 51.451 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX047583.D

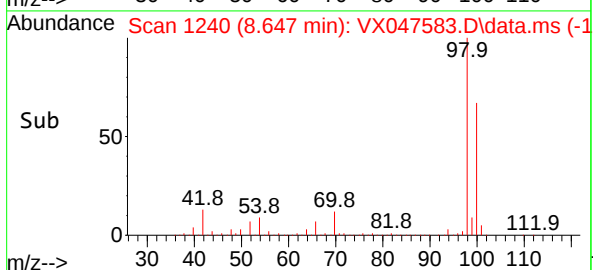
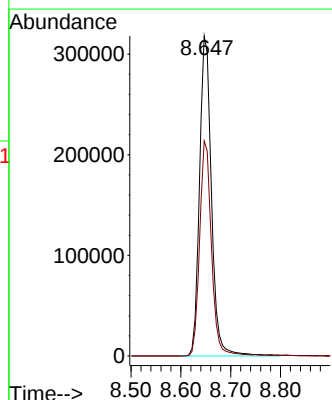
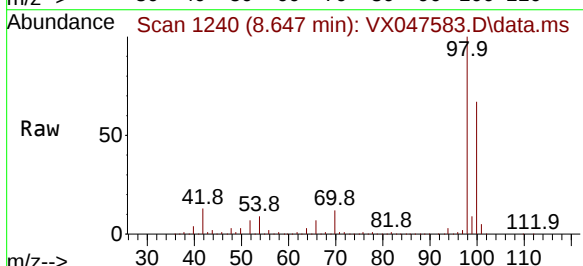
Acq: 02 Sep 2025 14:47

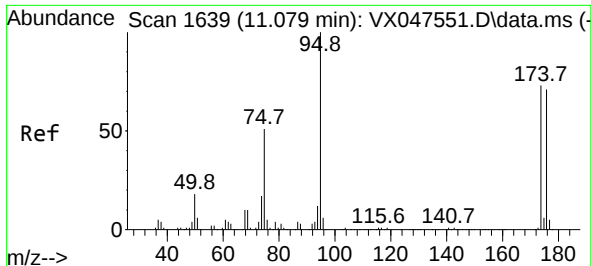
Tgt Ion: 98 Resp: 529302

Ion Ratio Lower Upper

98 100

100 66.9 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 57.665 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX047583.D

Acq: 02 Sep 2025 14:47

Instrument :

MSVOA_X

ClientSampleId :

307

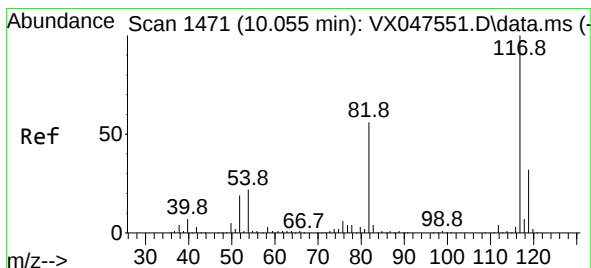
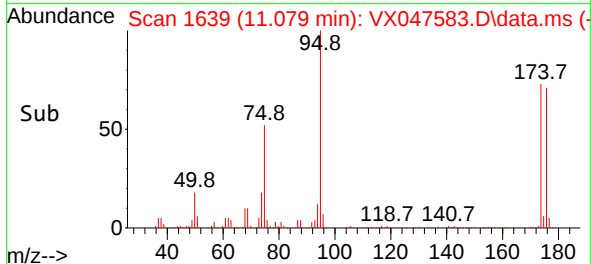
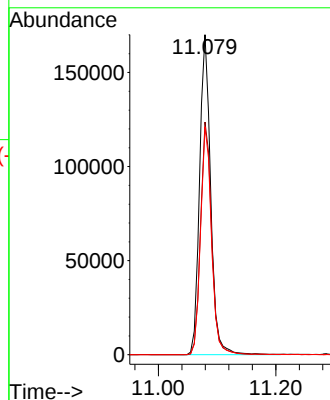
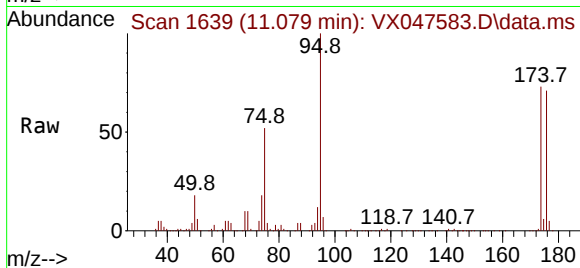
Tgt Ion: 95 Resp: 222862

Ion Ratio Lower Upper

95 100

174 73.2 0.0 145.2

176 70.5 0.0 140.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX047583.D

Acq: 02 Sep 2025 14:47

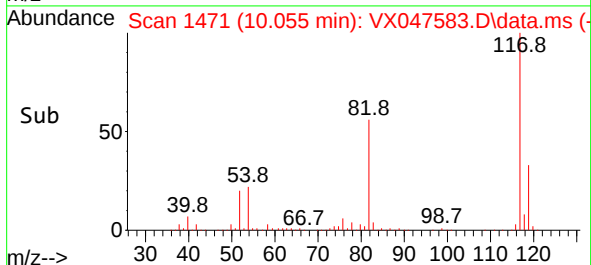
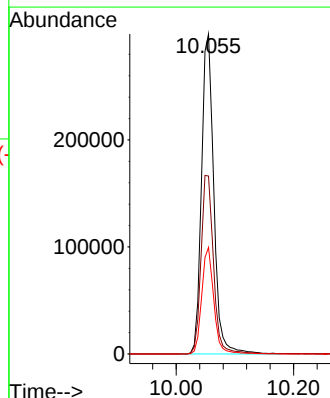
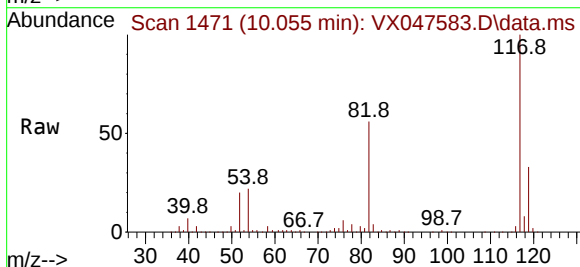
Tgt Ion: 117 Resp: 433451

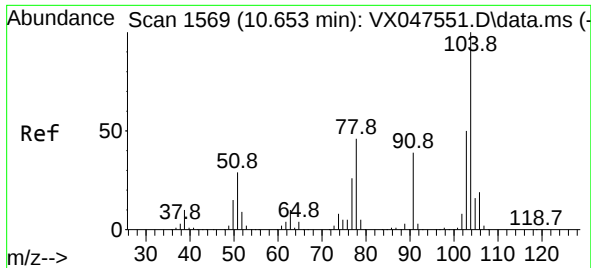
Ion Ratio Lower Upper

117 100

82 55.6 44.6 66.8

119 33.3 25.7 38.5

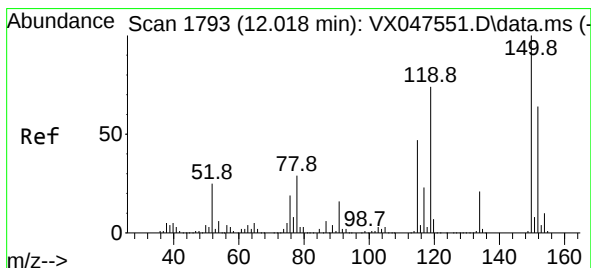
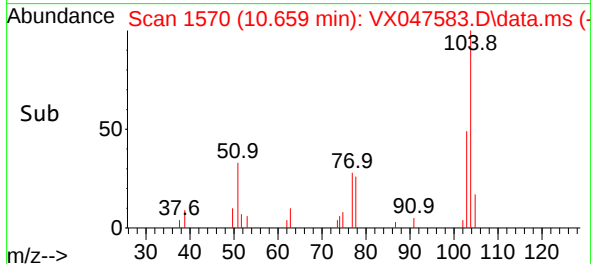
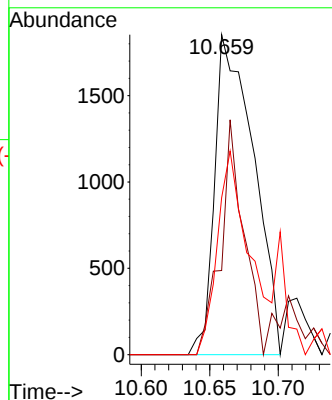
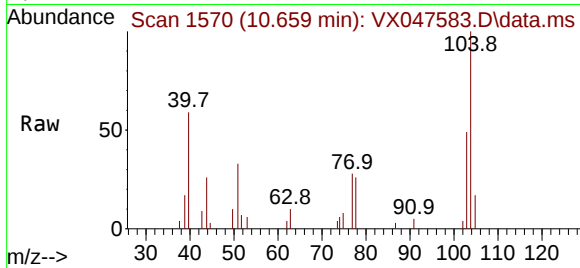




#70
Styrene
Concen: 0.345 ug/l
RT: 10.659 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
307

Tgt Ion:104 Resp: 3655
Ion Ratio Lower Upper
104 100
78 43.8 41.6 62.4
103 52.6 43.0 64.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX047583.D
Acq: 02 Sep 2025 14:47

Tgt Ion:152 Resp: 222952
Ion Ratio Lower Upper
152 100
115 62.7 42.9 128.5
150 155.8 0.0 351.0

