

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100325\
 Data File : VV039258.D
 Acq On : 03 Oct 2025 18:26
 Operator : SY/MD
 Sample : Q3201-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW15

Quant Time: Oct 04 01:15:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

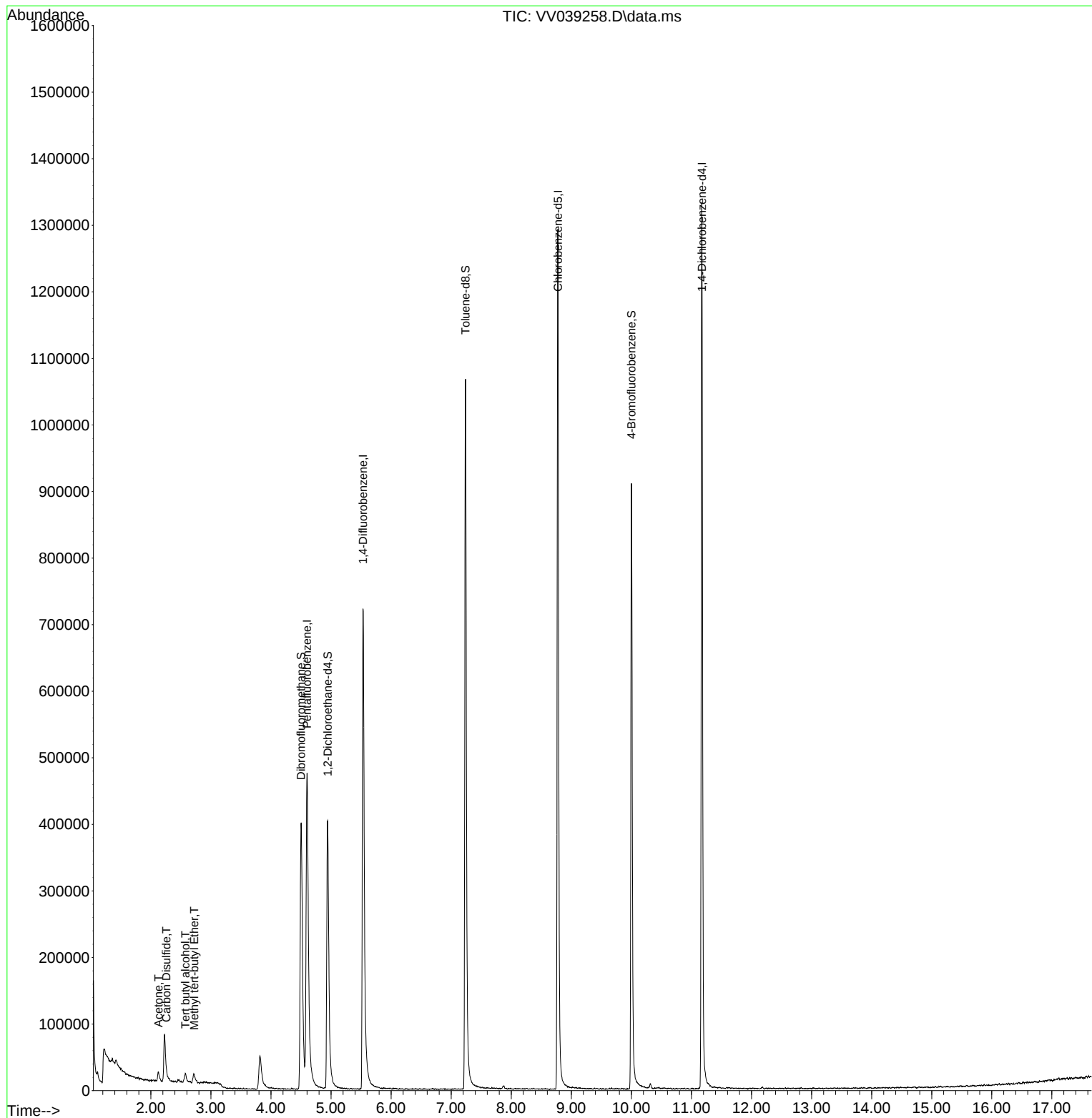
Internal Standards						
1) Pentafluorobenzene	4.600	168	410821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	719975	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	749276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	364005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	352717	59.322	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	118.640%#
35) Dibromofluoromethane	4.500	113	343112	59.280	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	118.560%
50) Toluene-d8	7.239	98	780643	45.922	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	91.840%
62) 4-Bromofluorobenzene	10.001	95	320017	45.728	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	91.460%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.577	59	11991	9.542	ug/l #	91
16) Acetone	2.127	43	18201	0.349	ug/l	94
17) Carbon Disulfide	2.256	76	5502	0.290	ug/l	98
19) Methyl tert-butyl Ether	2.722	73	13805	0.699	ug/l	93

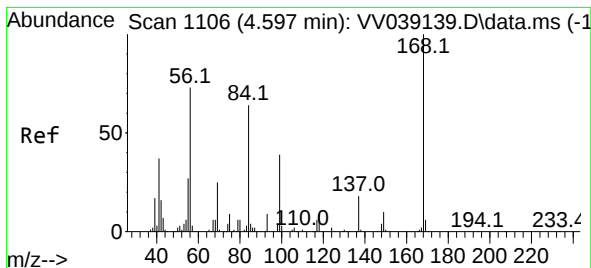
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV039258.D

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Instrument :

MSVOA_V

ClientSampleId :

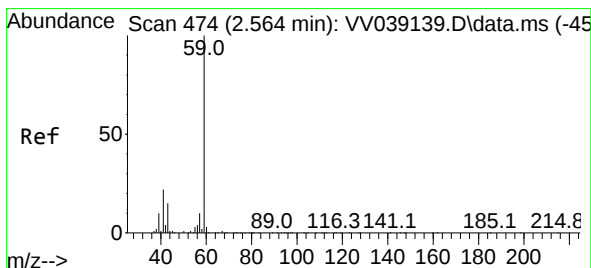
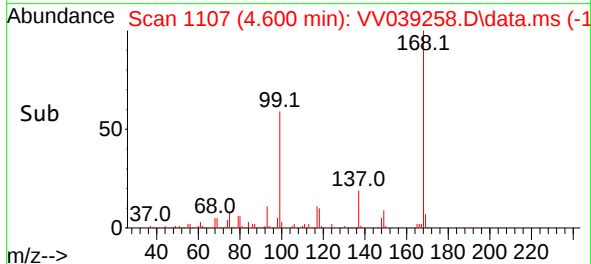
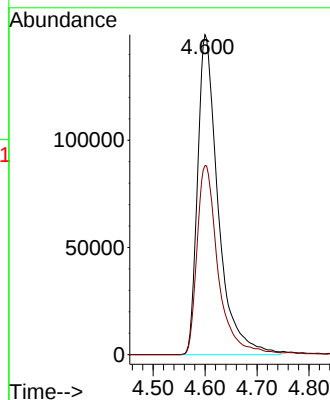
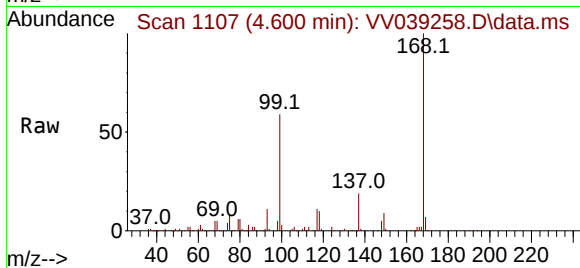
MW15

Tgt Ion:168 Resp: 410821

Ion Ratio Lower Upper

168 100

99 59.1 49.6 74.4



#11

Tert butyl alcohol

Concen: 9.542 ug/l

RT: 2.577 min Scan# 478

Delta R.T. 0.013 min

Lab File: VV039258.D

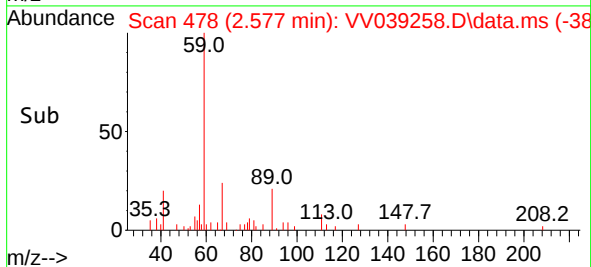
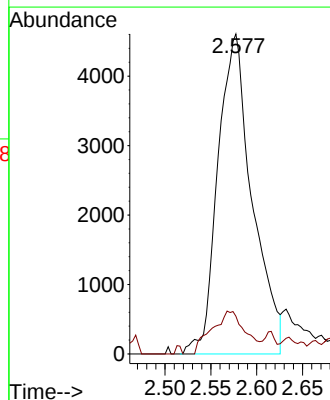
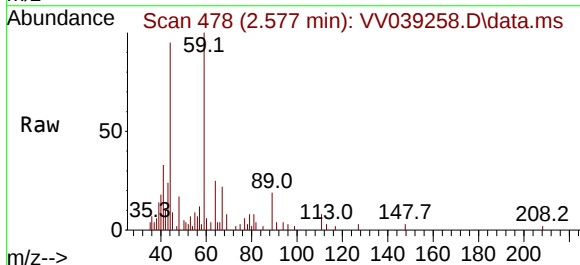
Acq: 03 Oct 2025 18:26

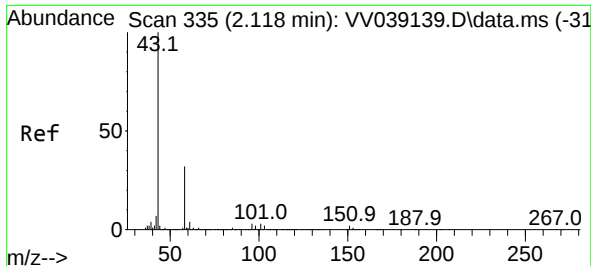
Tgt Ion: 59 Resp: 11991

Ion Ratio Lower Upper

59 100

57 13.0 7.8 11.8#

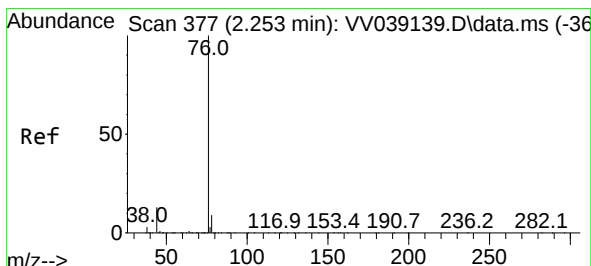
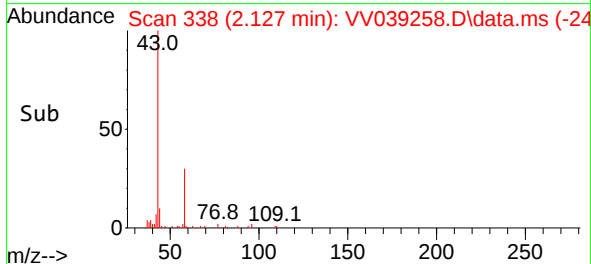
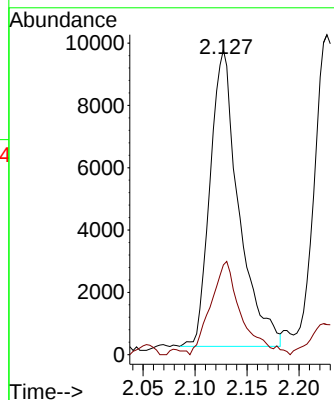
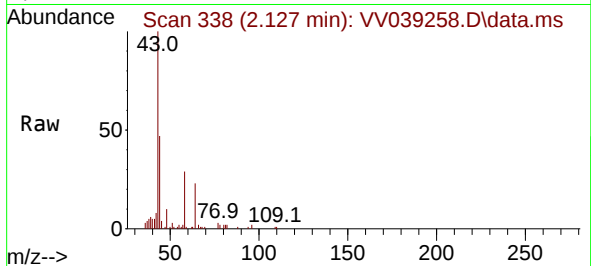




#16
Acetone
Concen: 0.349 ug/l
RT: 2.127 min Scan# 31
Delta R.T. 0.009 min
Lab File: VV039258.D
Acq: 03 Oct 2025 18:26

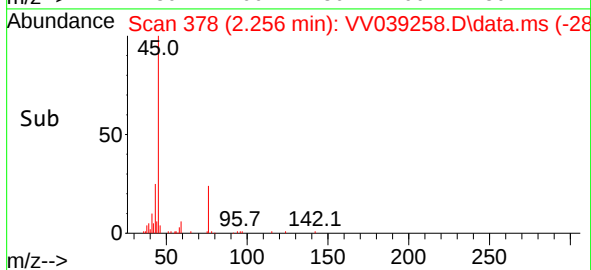
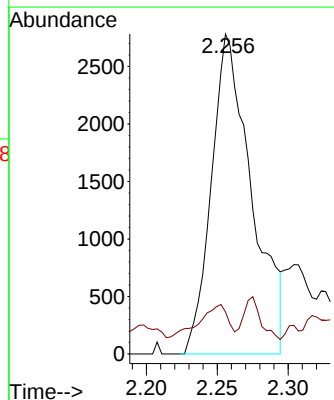
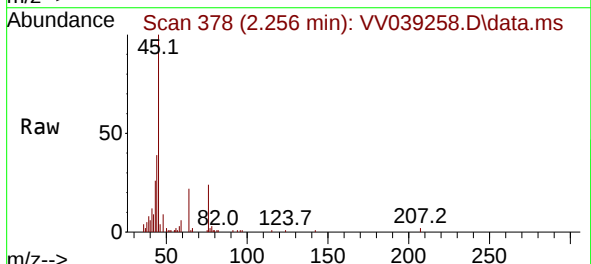
Instrument :
MSVOA_V
ClientSampleId :
MW15

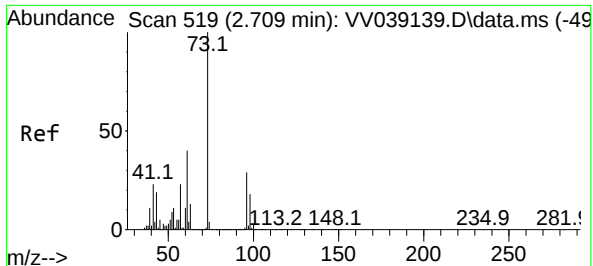
Tgt Ion: 43 Resp: 18201
Ion Ratio Lower Upper
43 100
58 29.0 25.8 38.6



#17
Carbon Disulfide
Concen: 0.290 ug/l
RT: 2.256 min Scan# 378
Delta R.T. 0.003 min
Lab File: VV039258.D
Acq: 03 Oct 2025 18:26

Tgt Ion: 76 Resp: 5502
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0





#19

Methyl tert-butyl Ether

Concen: 0.699 ug/l

RT: 2.722 min Scan# 51

Delta R.T. 0.013 min

Lab File: VV039258.D

Acq: 03 Oct 2025 18:26

Instrument :

MSVOA_V

ClientSampleId :

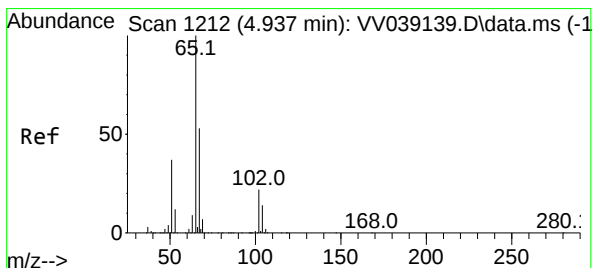
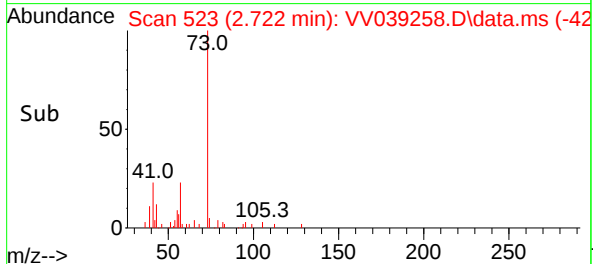
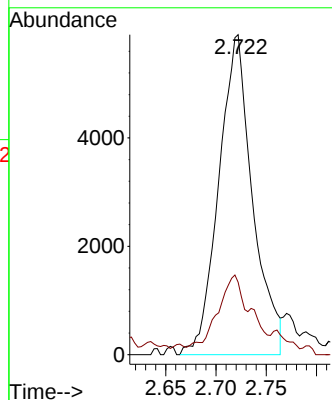
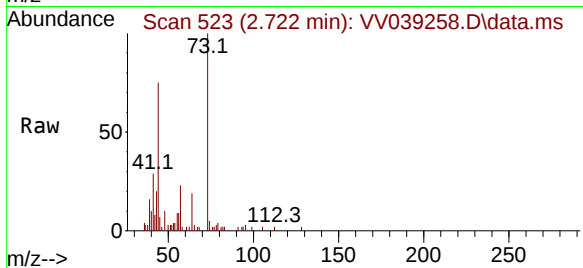
MW15

Tgt Ion: 73 Resp: 13805

Ion Ratio Lower Upper

73 100

57 19.4 18.2 27.4



#33

1,2-Dichloroethane-d4

Concen: 59.322 ug/l

RT: 4.944 min Scan# 1214

Delta R.T. 0.006 min

Lab File: VV039258.D

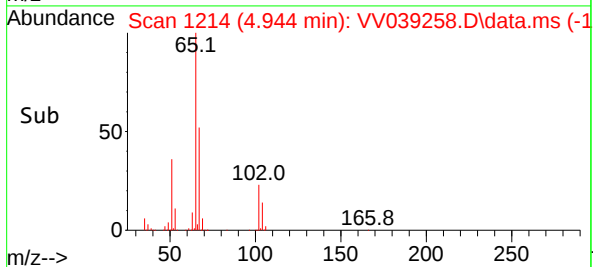
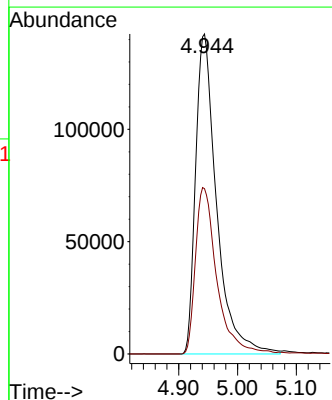
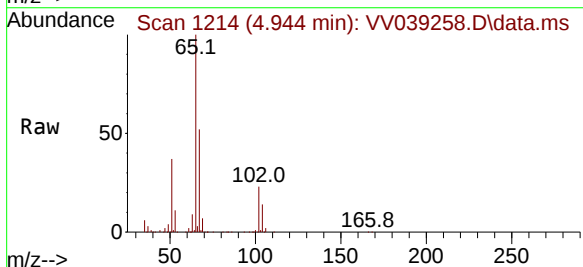
Acq: 03 Oct 2025 18:26

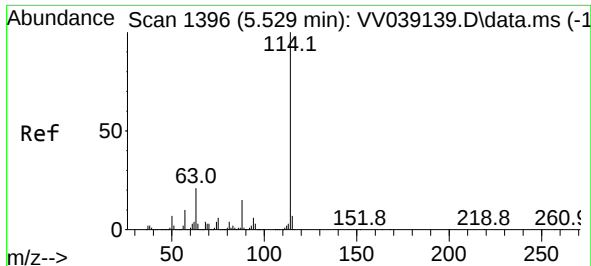
Tgt Ion: 65 Resp: 352717

Ion Ratio Lower Upper

65 100

67 52.9 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV039258.D

Acq: 03 Oct 2025 18:26

Instrument :

MSVOA_V

ClientSampleId :

MW15

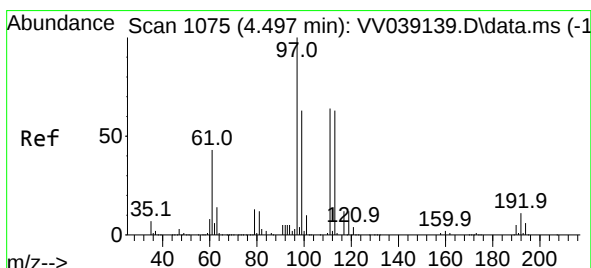
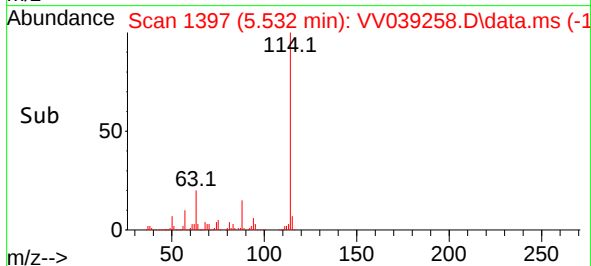
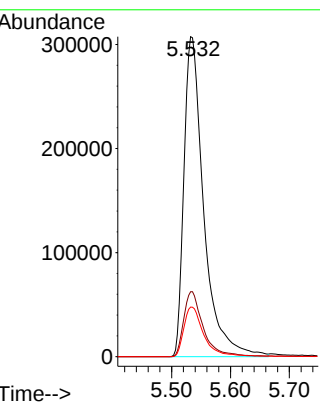
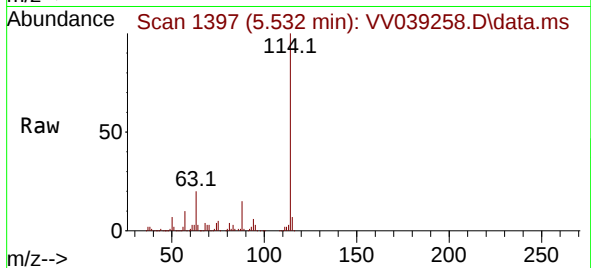
Tgt Ion:114 Resp: 719975

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

88 15.5 0.0 30.8



#35

Dibromofluoromethane

Concen: 59.280 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.003 min

Lab File: VV039258.D

Acq: 03 Oct 2025 18:26

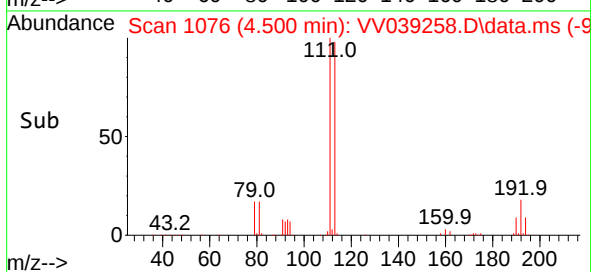
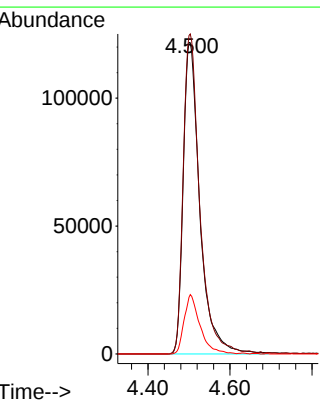
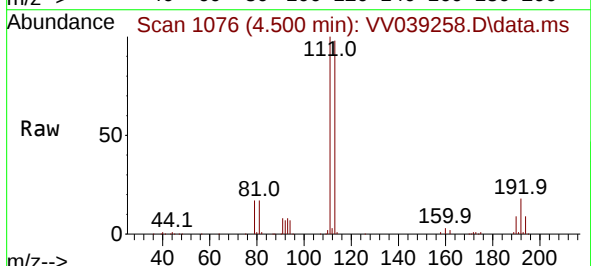
Tgt Ion:113 Resp: 343112

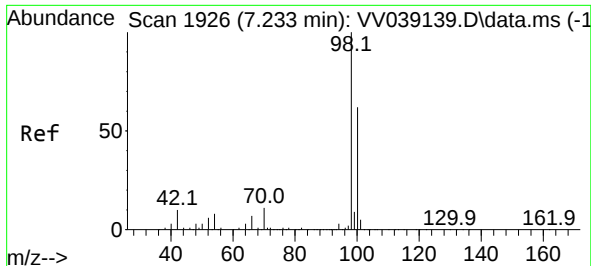
Ion Ratio Lower Upper

113 100

111 101.5 82.4 123.6

192 18.2 13.8 20.8

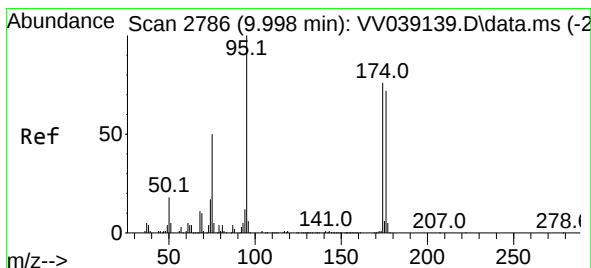
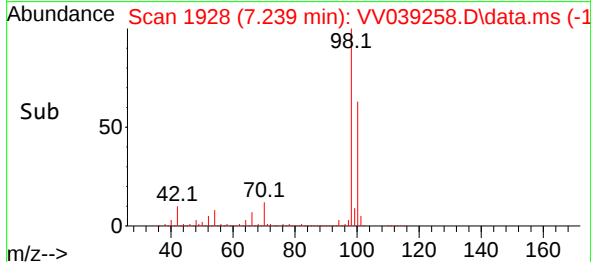
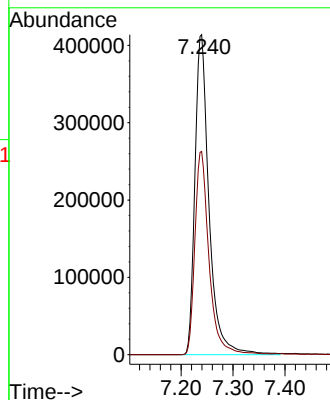
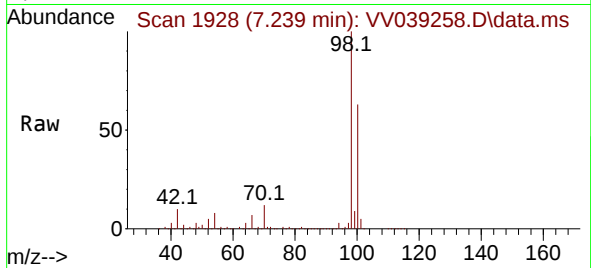




#50
Toluene-d8
Concen: 45.922 ug/l
RT: 7.239 min Scan# 1926
Delta R.T. 0.006 min
Lab File: VV039258.D
Acq: 03 Oct 2025 18:26

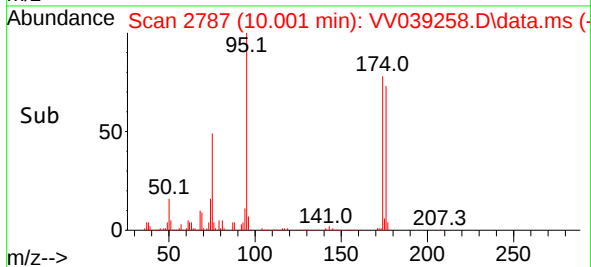
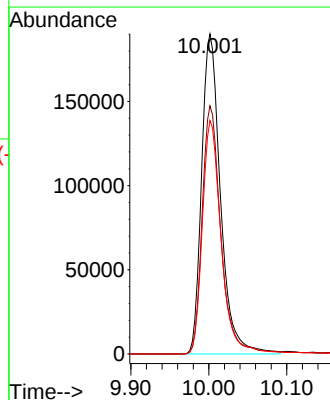
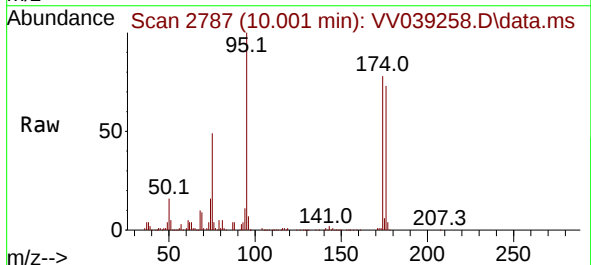
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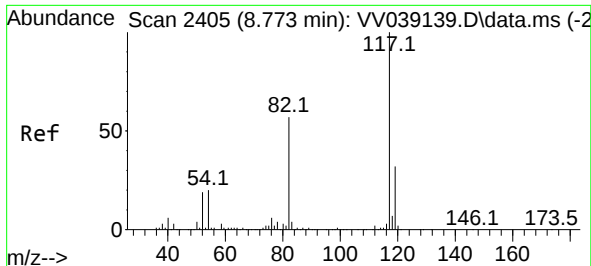
Tgt Ion: 98 Resp: 780643
Ion Ratio Lower Upper
98 100
100 63.6 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 45.728 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039258.D
Acq: 03 Oct 2025 18:26

Tgt Ion: 95 Resp: 320017
Ion Ratio Lower Upper
95 100
174 77.3 0.0 150.4
176 72.7 0.0 144.2

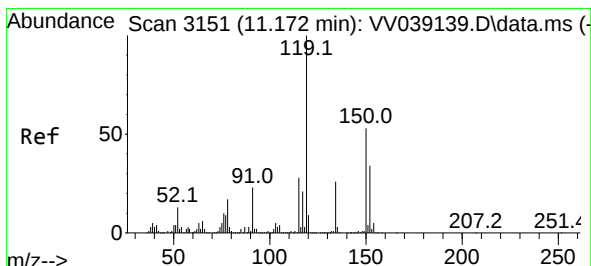
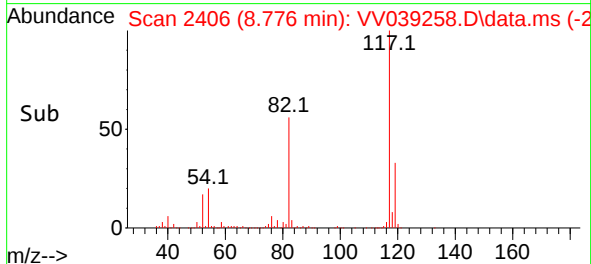
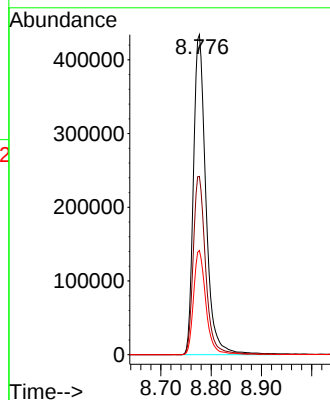
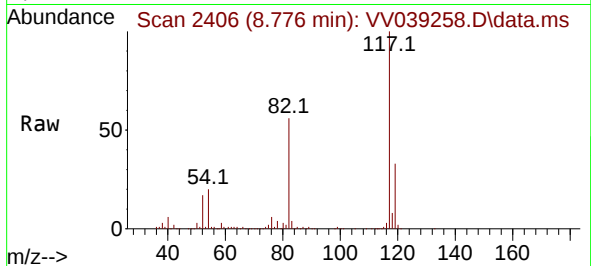




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039258.D
Acq: 03 Oct 2025 18:26

Instrument :
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ClientSampleId :
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Tgt Ion:117 Resp: 749276
Ion Ratio Lower Upper
117 100
82 55.7 45.4 68.2
119 32.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV039258.D
Acq: 03 Oct 2025 18:26

Tgt Ion:152 Resp: 364005
Ion Ratio Lower Upper
152 100
115 60.2 44.8 134.4
150 156.6 0.0 353.8

