

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV102125\
 Data File : VV039301.D
 Acq On : 21 Oct 2025 13:37
 Operator : SY/MD
 Sample : Q3390-05DL 500X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 4175DL

Quant Time: Oct 24 04:48:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

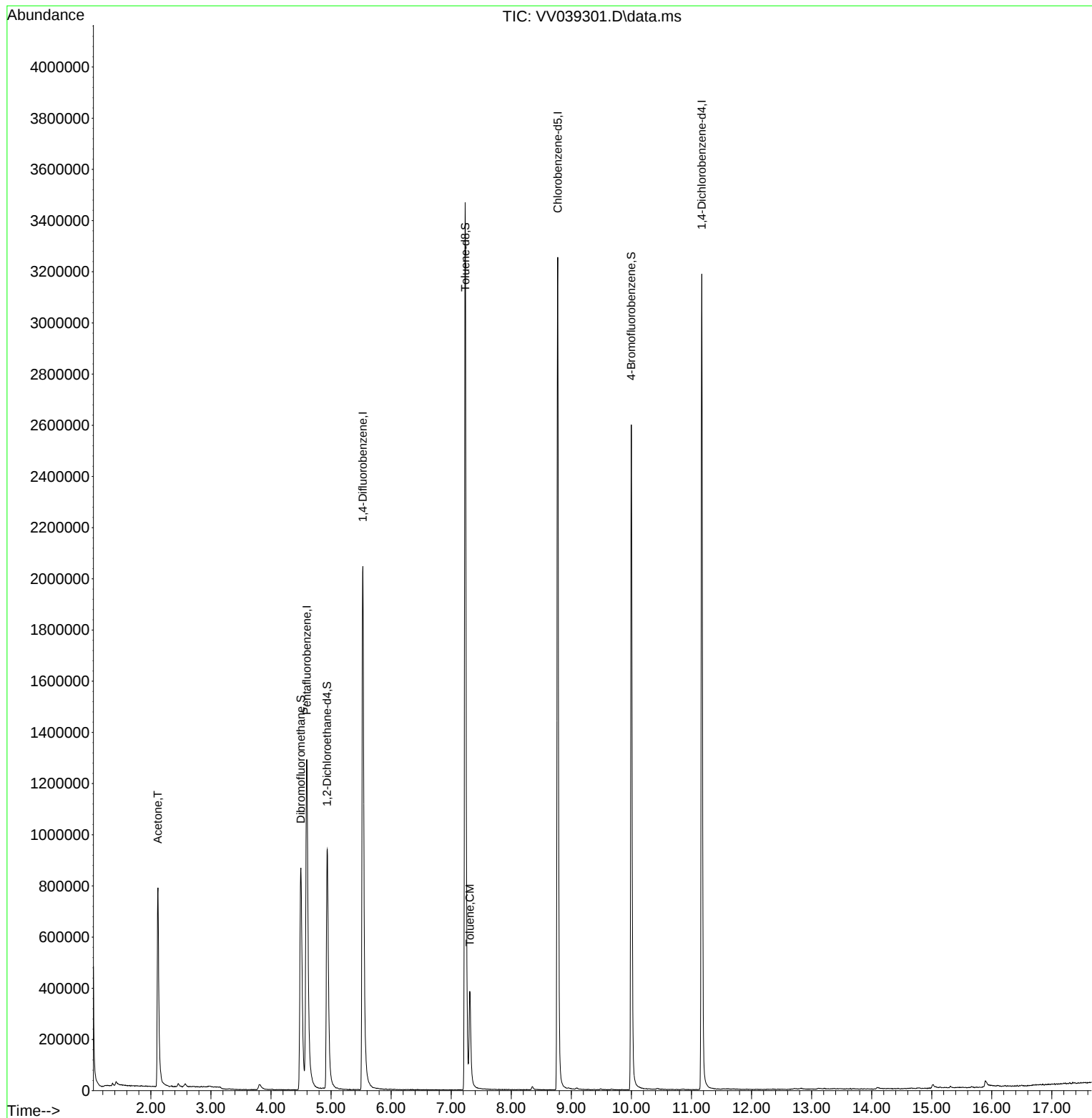
Internal Standards						
1) Pentafluorobenzene	4.597	168	1143315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	2018397	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1830240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	843731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.934	65	832383	51.237	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	102.480%
35) Dibromofluoromethane	4.497	113	728500	45.807	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	91.620%
50) Toluene-d8	7.233	98	2460080	45.470	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	90.940%
62) 4-Bromofluorobenzene	9.998	95	884666	45.913	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	91.820%
Target Compounds						
						Qvalue
16) Acetone	2.118	43	948622	120.323	ug/l	100
52) Toluene	7.310	92	189238	4.890	ug/l	99

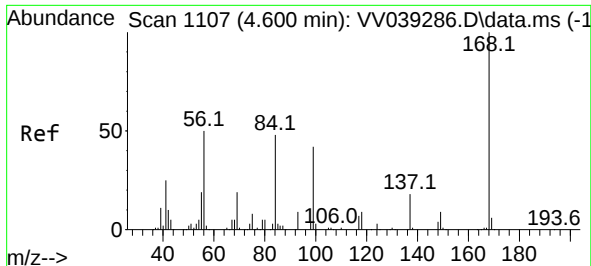
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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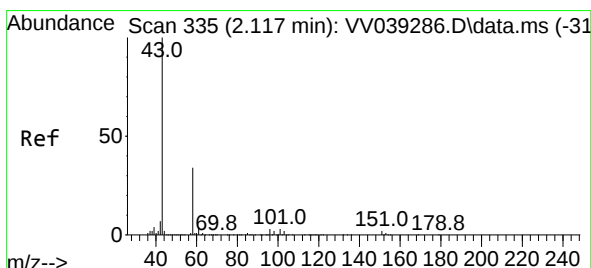
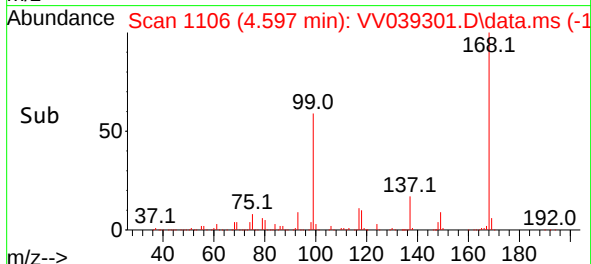
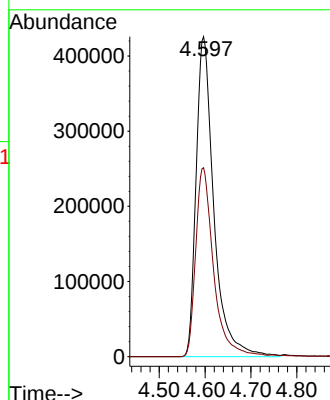
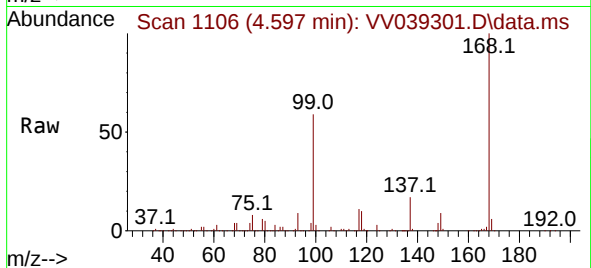




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.597 min Scan# 1106
Delta R.T. -0.003 min
Lab File: VV039301.D
Acq: 21 Oct 2025 13:37

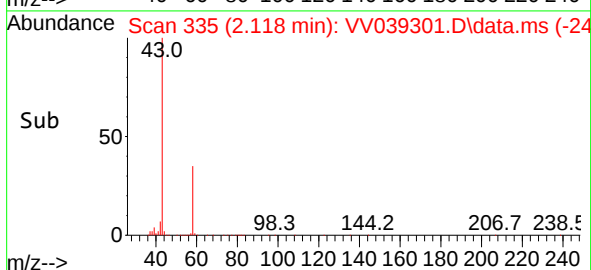
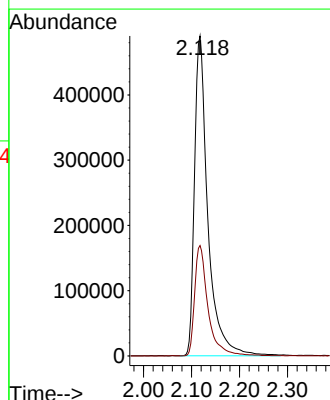
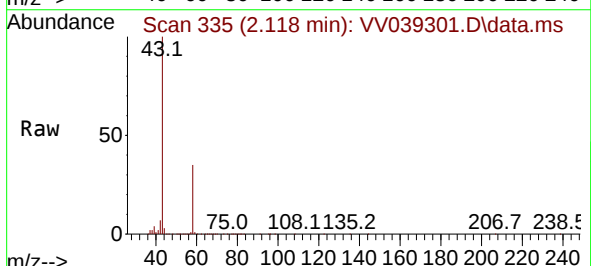
Instrument :
MSVOA_V
ClientSampleId :
4175DL

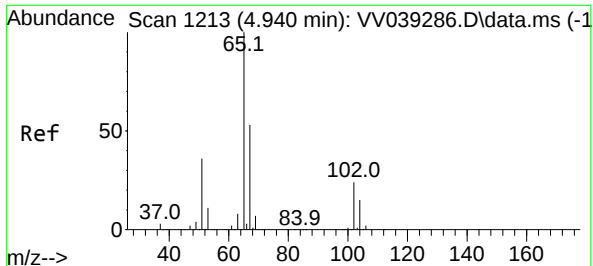
Tgt Ion:168 Resp: 1143315
Ion Ratio Lower Upper
168 100
99 59.0 46.6 70.0



#16
Acetone
Concen: 120.323 ug/l
RT: 2.118 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV039301.D
Acq: 21 Oct 2025 13:37

Tgt Ion: 43 Resp: 948622
Ion Ratio Lower Upper
43 100
58 34.5 27.5 41.3





#33

1,2-Dichloroethane-d4

Concen: 51.237 ug/l

RT: 4.934 min Scan# 11

Delta R.T. -0.006 min

Lab File: VV039301.D

Acq: 21 Oct 2025 13:37

Instrument :

MSVOA_V

ClientSampleId :

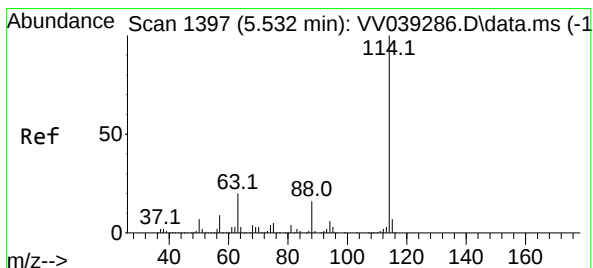
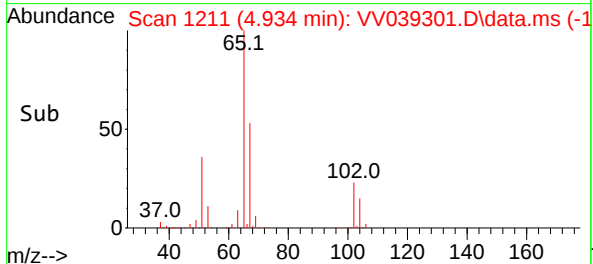
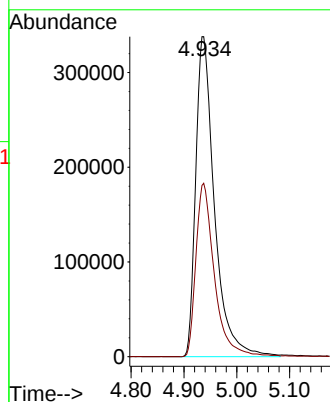
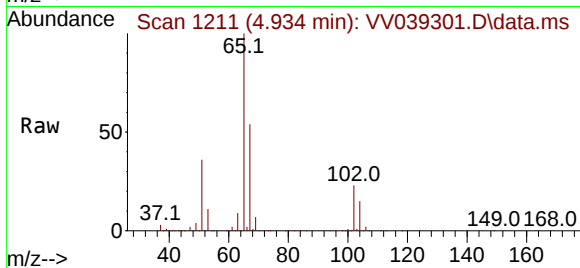
4175DL

Tgt Ion: 65 Resp: 832383

Ion Ratio Lower Upper

65 100

67 53.5 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.529 min Scan# 1396

Delta R.T. -0.003 min

Lab File: VV039301.D

Acq: 21 Oct 2025 13:37

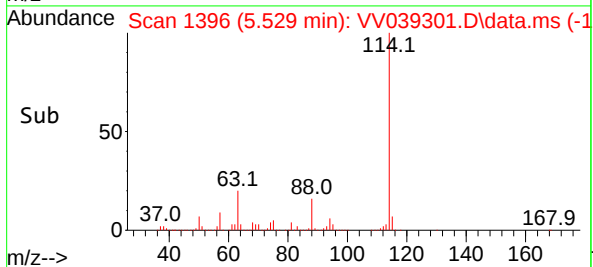
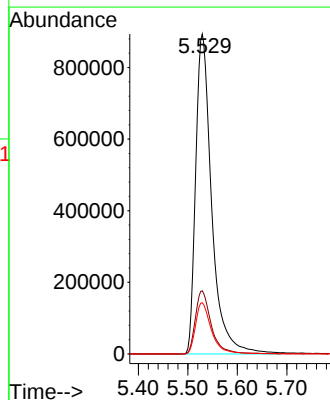
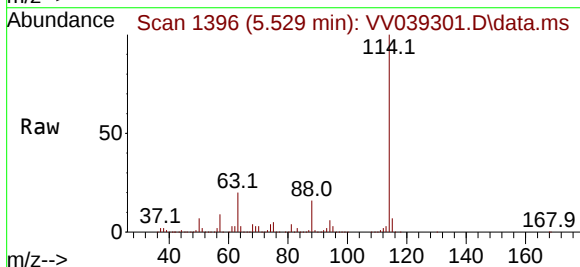
Tgt Ion: 114 Resp: 2018397

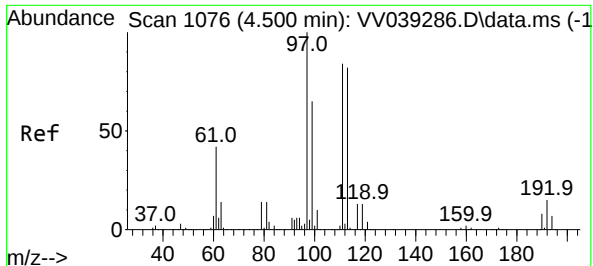
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 45.807 ug/l

RT: 4.497 min Scan# 113

Delta R.T. -0.003 min

Lab File: VV039301.D

Acq: 21 Oct 2025 13:37

Instrument :

MSVOA_V

ClientSampleId :

4175DL

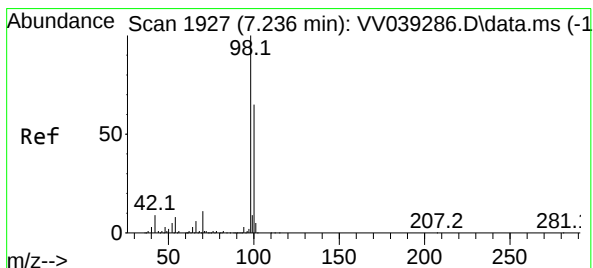
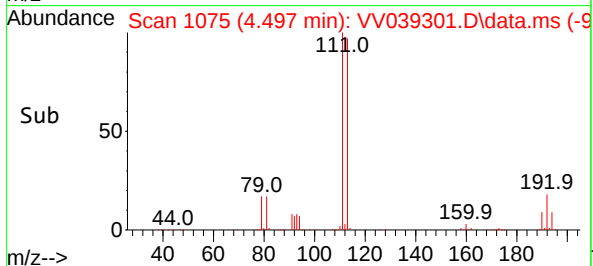
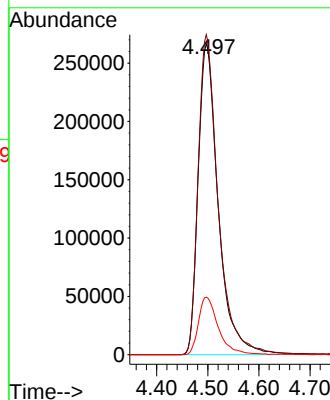
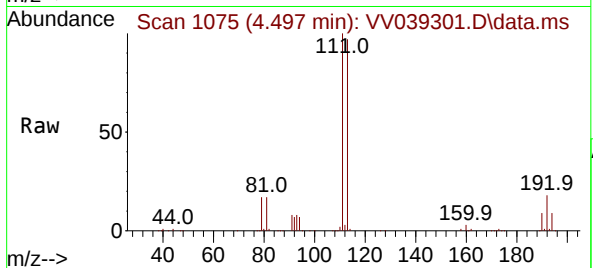
Tgt Ion:113 Resp: 728500

Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

192 18.3 14.3 21.5



#50

Toluene-d8

Concen: 45.470 ug/l

RT: 7.233 min Scan# 1926

Delta R.T. -0.003 min

Lab File: VV039301.D

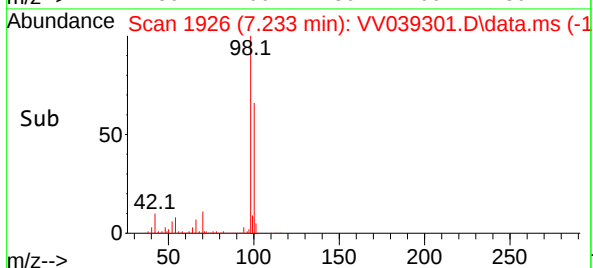
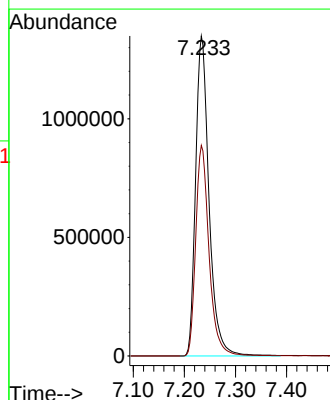
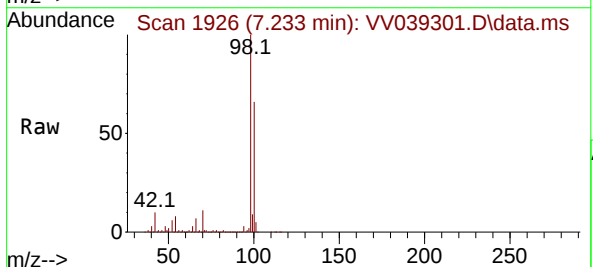
Acq: 21 Oct 2025 13:37

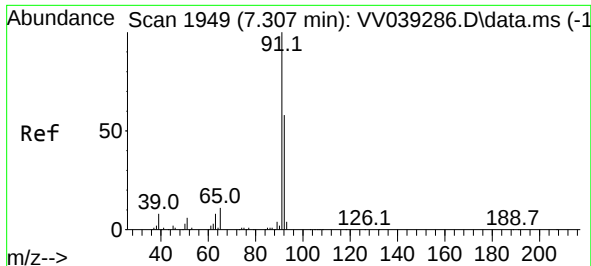
Tgt Ion: 98 Resp: 2460080

Ion Ratio Lower Upper

98 100

100 65.4 52.8 79.2

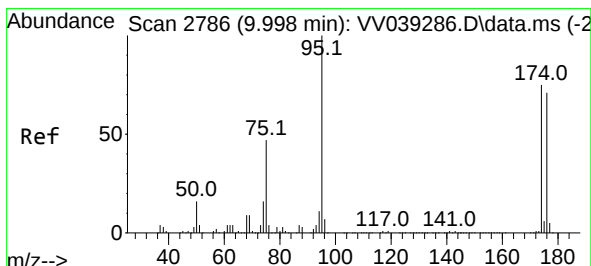
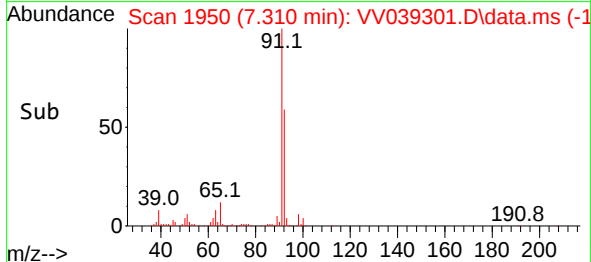
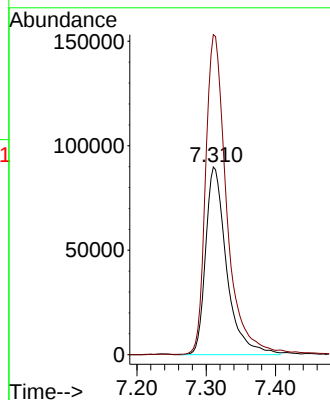
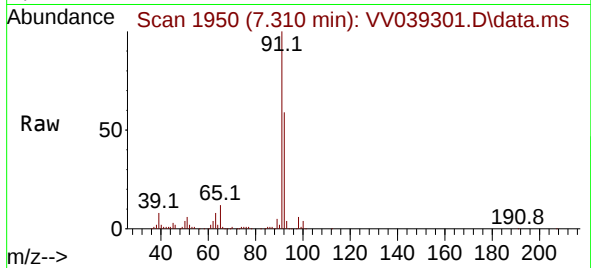




#52
Toluene
Concen: 4.890 ug/l
RT: 7.310 min Scan# 1949
Delta R.T. 0.003 min
Lab File: VV039301.D
Acq: 21 Oct 2025 13:37

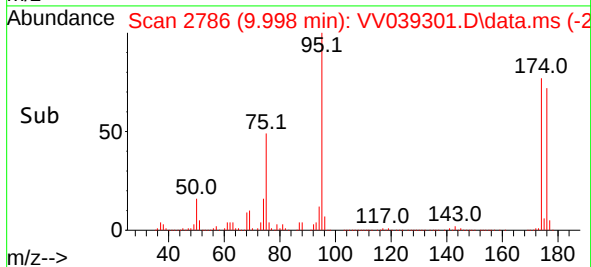
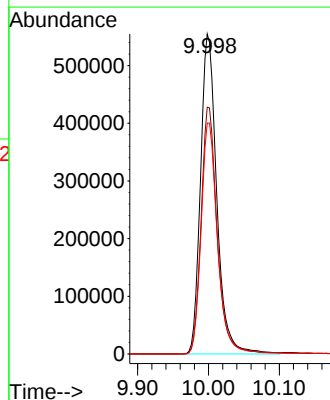
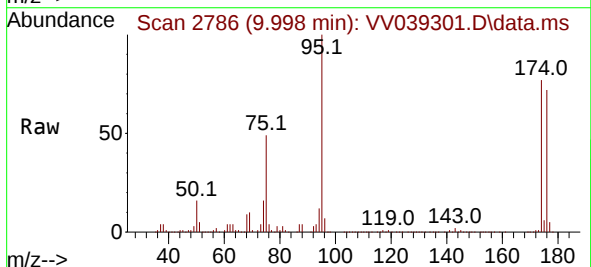
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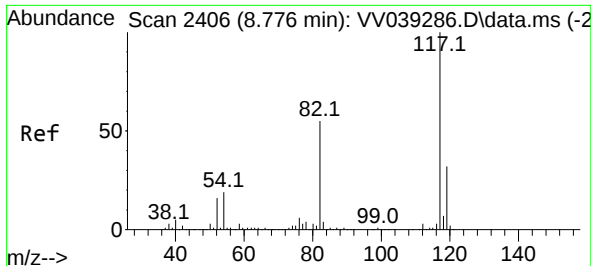
Tgt Ion: 92 Resp: 189238
Ion Ratio Lower Upper
92 100
91 170.9 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 45.913 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039301.D
Acq: 21 Oct 2025 13:37

Tgt Ion: 95 Resp: 884666
Ion Ratio Lower Upper
95 100
174 76.8 0.0 153.6
176 72.5 0.0 146.0

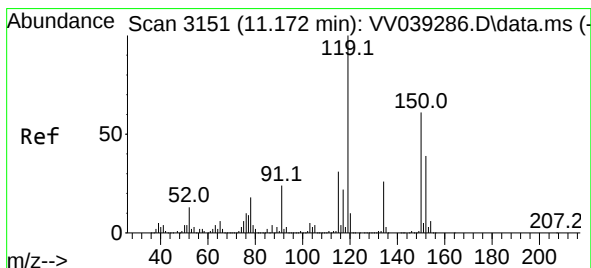
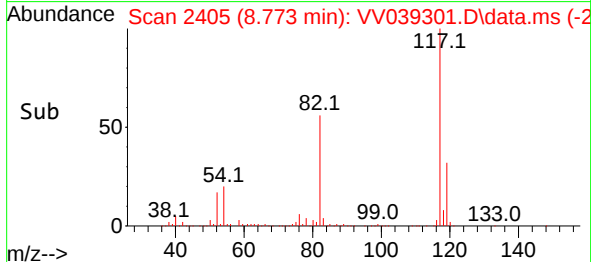
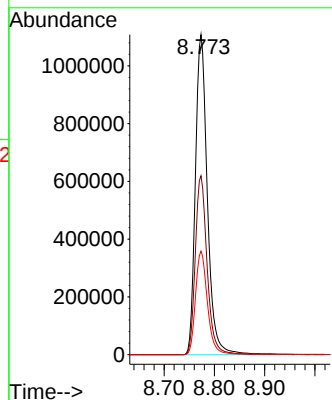
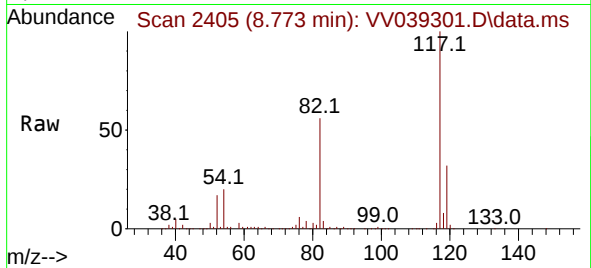




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039301.D
Acq: 21 Oct 2025 13:37

Instrument :
MSVOA_V
ClientSampleId :
4175DL

Tgt Ion:117 Resp: 1830240
Ion Ratio Lower Upper
117 100
82 55.9 43.8 65.8
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039301.D
Acq: 21 Oct 2025 13:37

Tgt Ion:152 Resp: 843731
Ion Ratio Lower Upper
152 100
115 61.3 42.3 126.8
150 158.5 0.0 348.0

