

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV102125\
 Data File : VV039299.D
 Acq On : 21 Oct 2025 12:45
 Operator : SY/MD
 Sample : Q3390-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 4090

Quant Time: Oct 24 04:47:50 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)

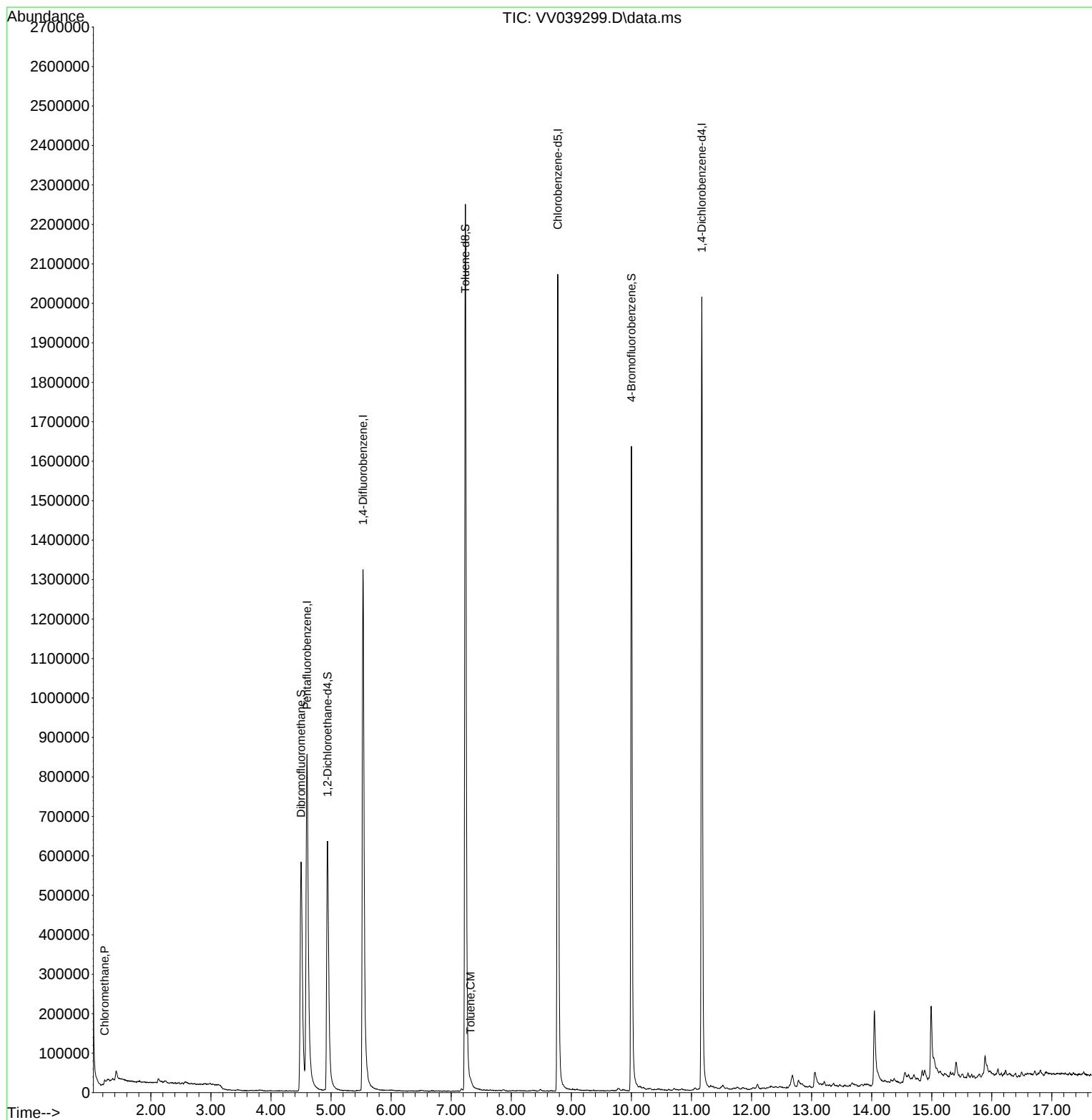
Internal Standards						
1) Pentafluorobenzene	4.600	168	748321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1293891	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1189147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	550871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	575126	54.088	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	108.180%
35) Dibromofluoromethane	4.500	113	493879	48.444	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	96.880%
50) Toluene-d8	7.236	98	1602474	46.204	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	92.400%
62) 4-Bromofluorobenzene	10.001	95	568051	45.989	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	91.980%
Target Compounds						
						Qvalue
3) Chloromethane	1.230	50	5100	0.518	ug/l	96
52) Toluene	7.323	92	6681	0.269	ug/l	86

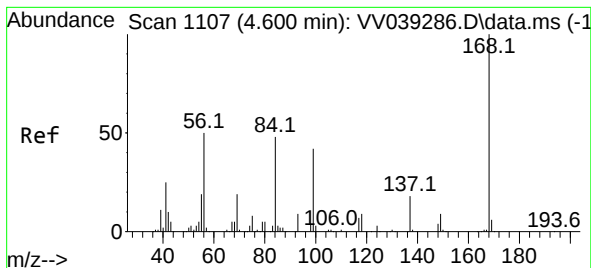
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VV039299.D

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Instrument :

MSVOA_V

ClientSampleId :

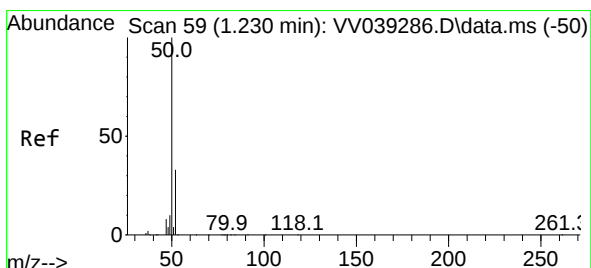
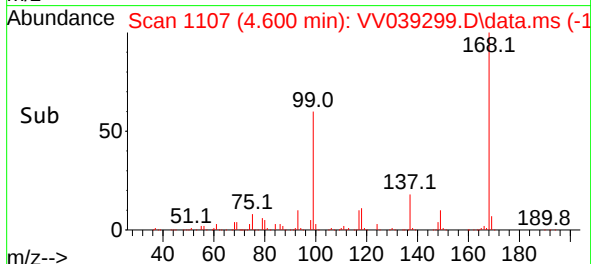
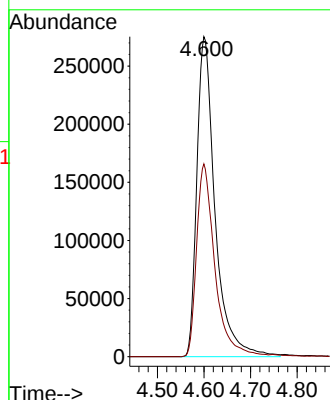
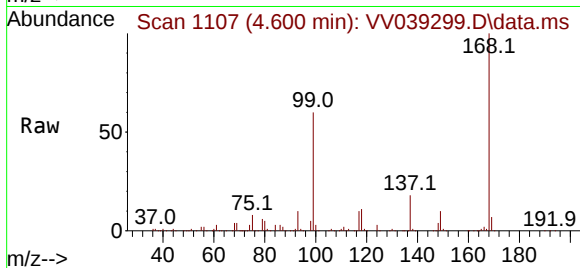
4090

Tgt Ion:168 Resp: 748321

Ion Ratio Lower Upper

168 100

99 60.2 46.6 70.0



#3

Chloromethane

Concen: 0.518 ug/l

RT: 1.230 min Scan# 59

Delta R.T. 0.000 min

Lab File: VV039299.D

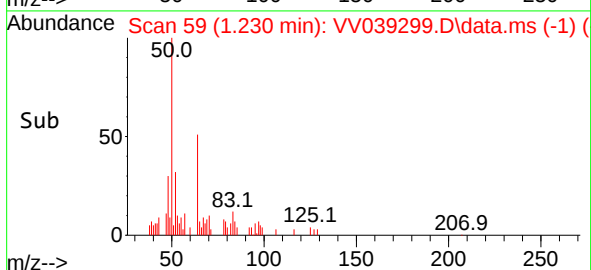
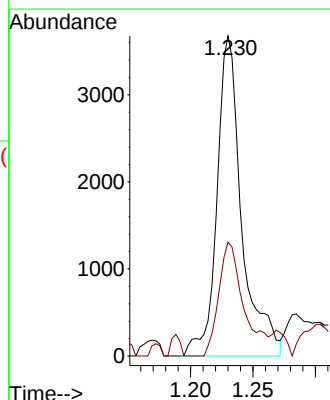
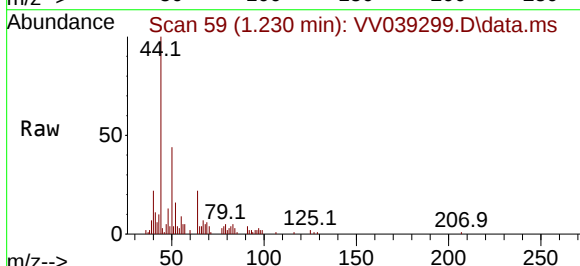
Acq: 21 Oct 2025 12:45

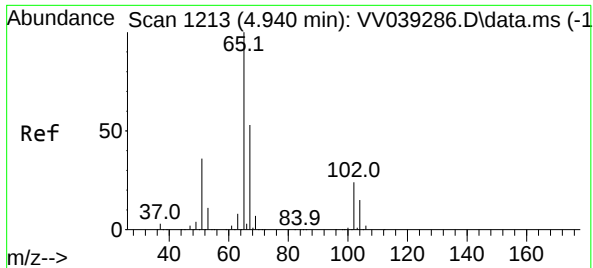
Tgt Ion: 50 Resp: 5100

Ion Ratio Lower Upper

50 100

52 31.0 26.6 39.8

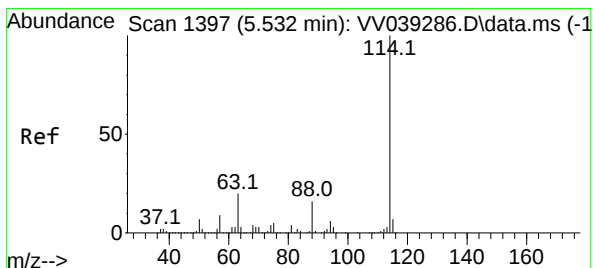
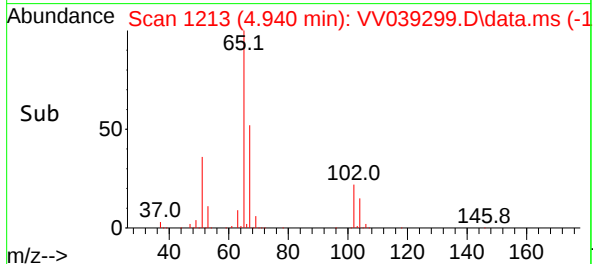
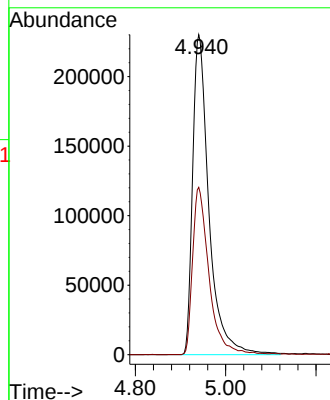
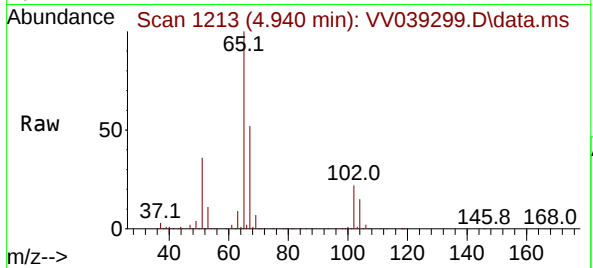




#33
 1,2-Dichloroethane-d4
 Concen: 54.088 ug/l
 RT: 4.940 min Scan# 1213
 Delta R.T. 0.000 min
 Lab File: VV039299.D
 Acq: 21 Oct 2025 12:45

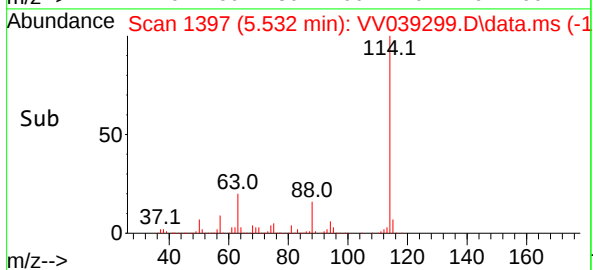
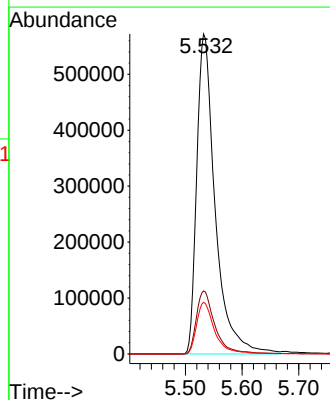
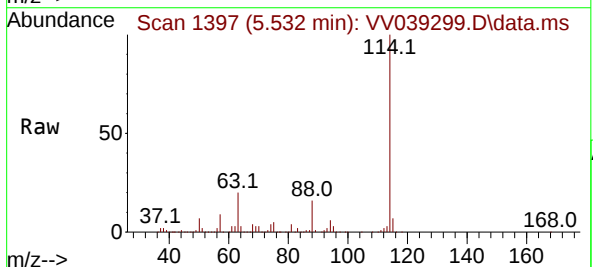
Instrument :
 MSVOA_V
 ClientSampleId :
 4090

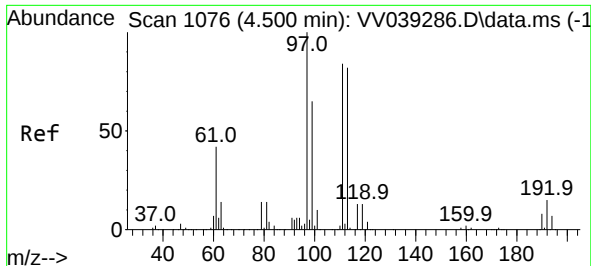
Tgt Ion: 65 Resp: 575126
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.532 min Scan# 1397
 Delta R.T. 0.000 min
 Lab File: VV039299.D
 Acq: 21 Oct 2025 12:45

Tgt Ion: 114 Resp: 1293891
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.6
 88 16.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.444 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV039299.D

Acq: 21 Oct 2025 12:45

Instrument :

MSVOA_V

ClientSampleId :

4090

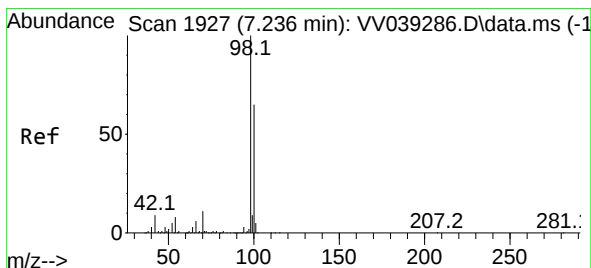
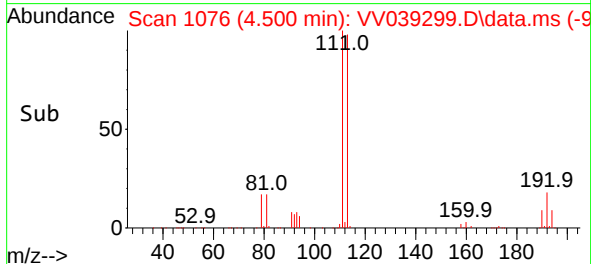
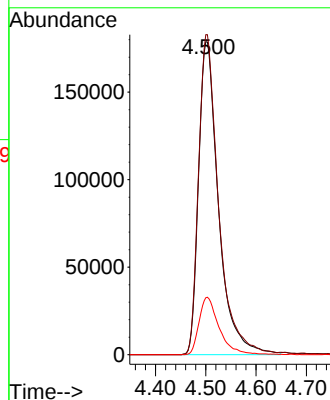
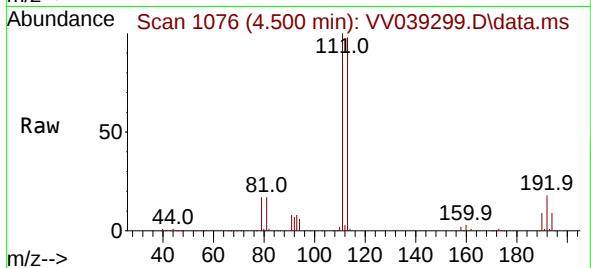
Tgt Ion:113 Resp: 493879

Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

192 18.4 14.3 21.5



#50

Toluene-d8

Concen: 46.204 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.000 min

Lab File: VV039299.D

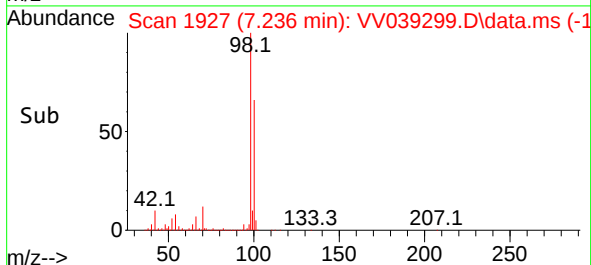
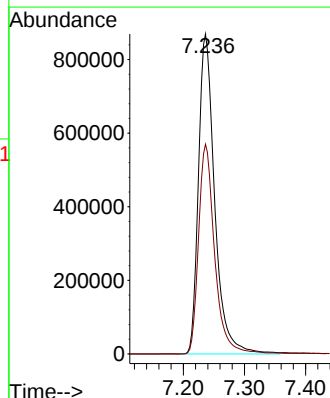
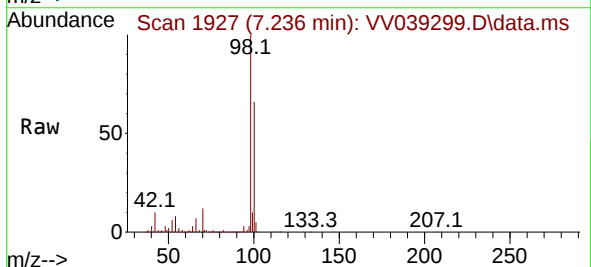
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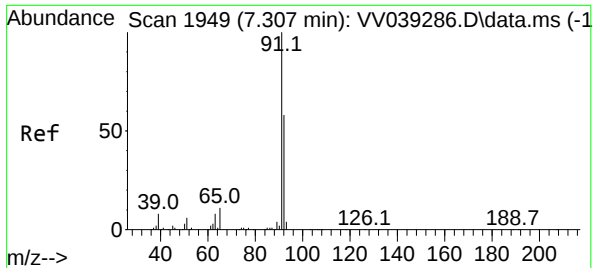
Tgt Ion: 98 Resp: 1602474

Ion Ratio Lower Upper

98 100

100 65.0 52.8 79.2

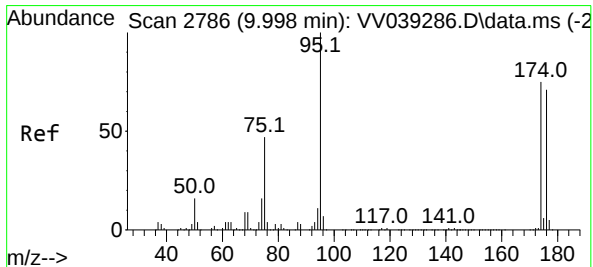
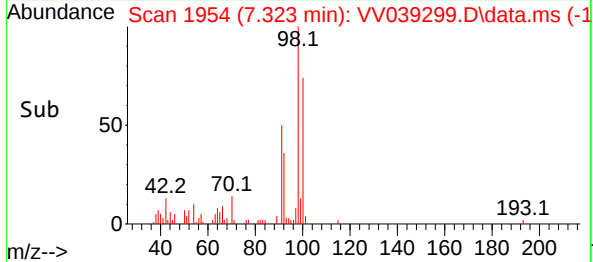
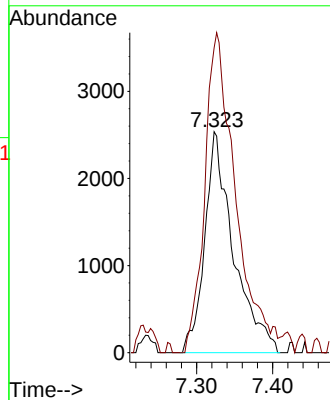
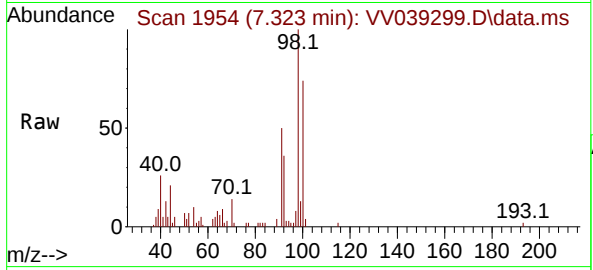




#52
Toluene
Concen: 0.269 ug/l
RT: 7.323 min Scan# 1949
Delta R.T. 0.016 min
Lab File: VV039299.D
Acq: 21 Oct 2025 12:45

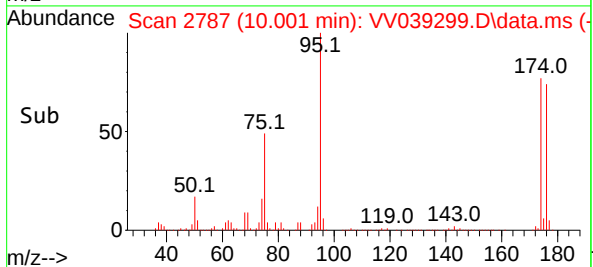
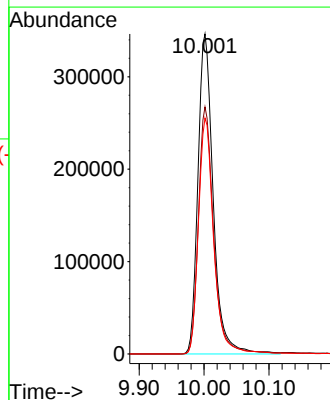
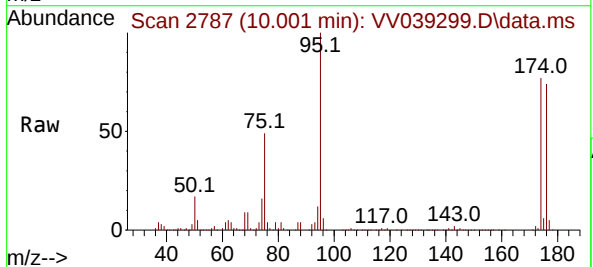
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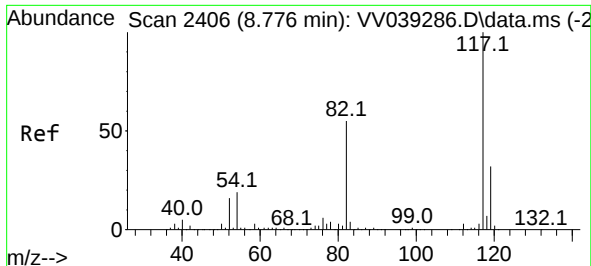
Tgt Ion: 92 Resp: 6681
Ion Ratio Lower Upper
92 100
91 152.1 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 45.989 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039299.D
Acq: 21 Oct 2025 12:45

Tgt Ion: 95 Resp: 568051
Ion Ratio Lower Upper
95 100
174 76.9 0.0 153.6
176 73.7 0.0 146.0

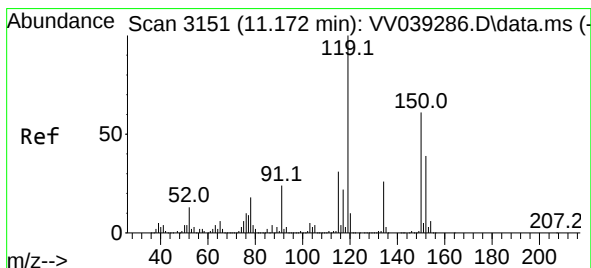
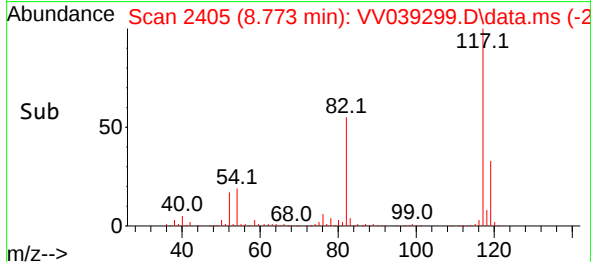
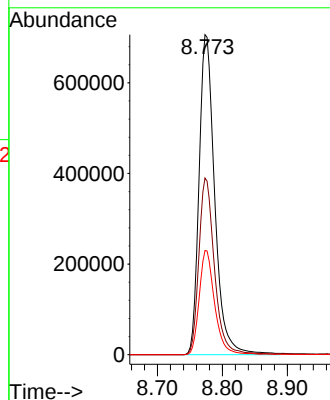
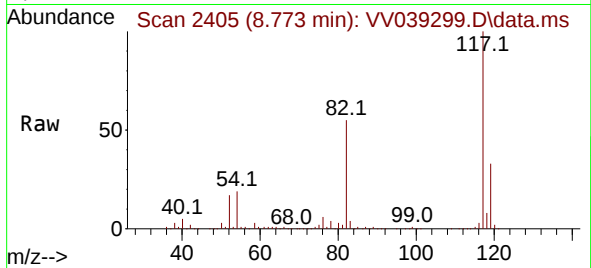




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2406
Delta R.T. -0.003 min
Lab File: VV039299.D
Acq: 21 Oct 2025 12:45

Instrument :
MSVOA_V
ClientSampleId :
4090

Tgt Ion:117 Resp: 1189147
Ion Ratio Lower Upper
117 100
82 55.2 43.8 65.8
119 32.5 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: VV039299.D
Acq: 21 Oct 2025 12:45

Tgt Ion:152 Resp: 550871
Ion Ratio Lower Upper
152 100
115 59.6 42.3 126.8
150 155.8 0.0 348.0

