

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039316.D
 Acq On : 04 Nov 2025 15:54
 Operator : SY/MD
 Sample : Q3534-09
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 FB-1

Quant Time: Nov 05 00:38:20 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)

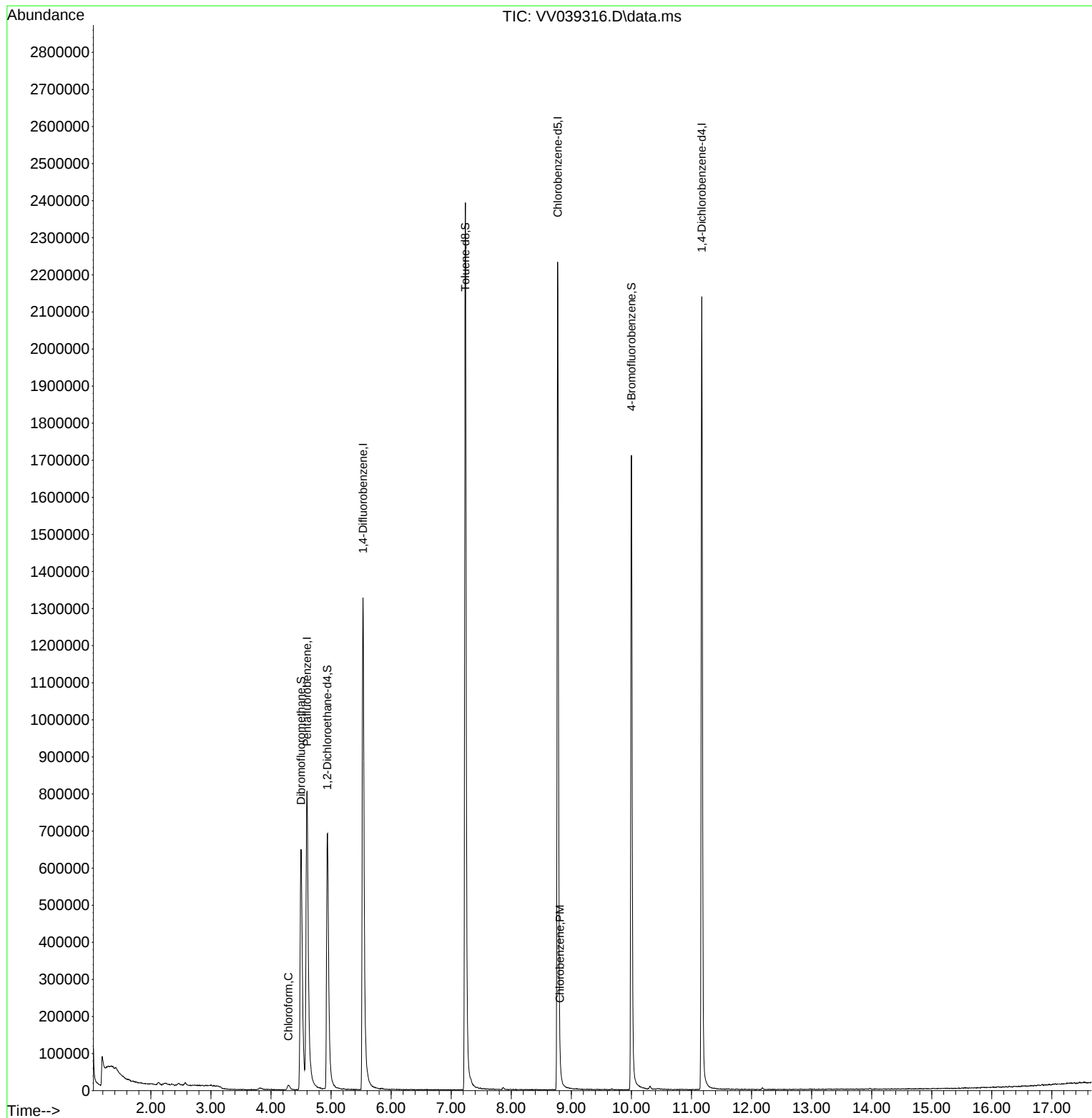
Internal Standards						
1) Pentafluorobenzene	4.600	168	711203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1312588	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1267623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	578801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	620023	61.353	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	122.700%#
35) Dibromofluoromethane	4.500	113	549147	53.097	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	106.200%
50) Toluene-d8	7.236	98	1720807	48.909	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	97.820%
62) 4-Bromofluorobenzene	10.001	95	596656	47.617	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	95.240%
Target Compounds						
						Qvalue
30) Chloroform	4.291	83	14184	0.761	ug/l	96
65) Chlorobenzene	8.812	112	17643	0.588	ug/l	95

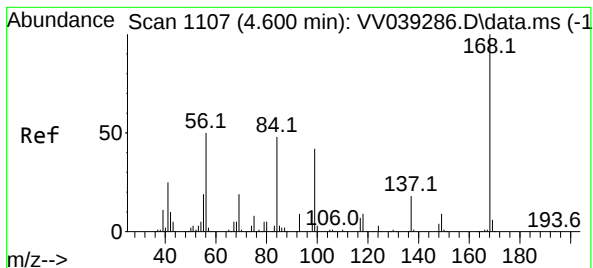
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.000 min

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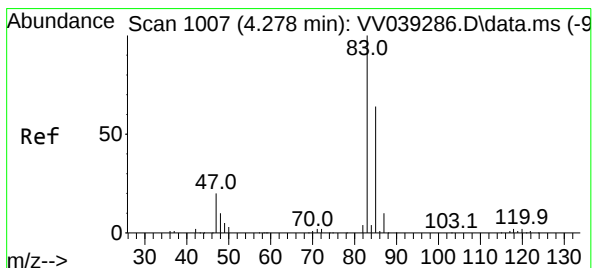
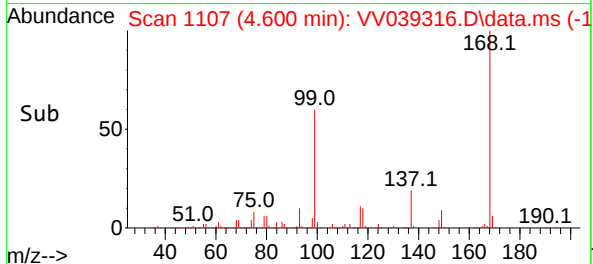
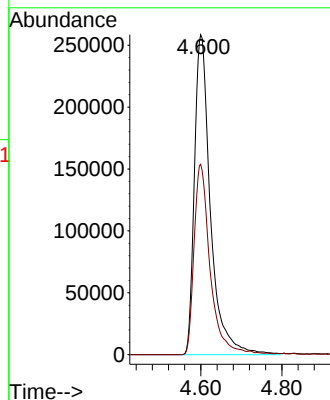
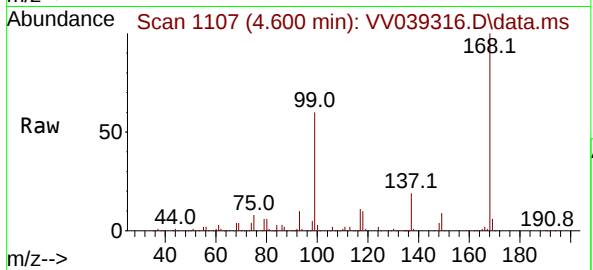
FB-1

Tgt Ion:168 Resp: 711203

Ion Ratio Lower Upper

168 100

99 59.5 46.6 70.0



#30

Chloroform

Concen: 0.761 ug/l

RT: 4.291 min Scan# 1011

Delta R.T. 0.013 min

Lab File: VV039316.D

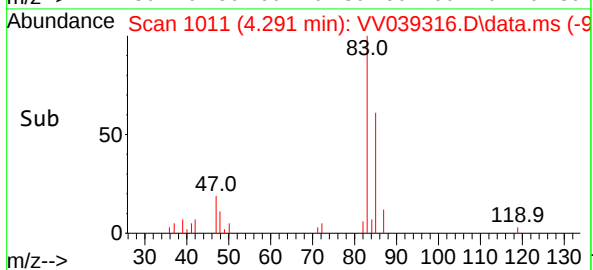
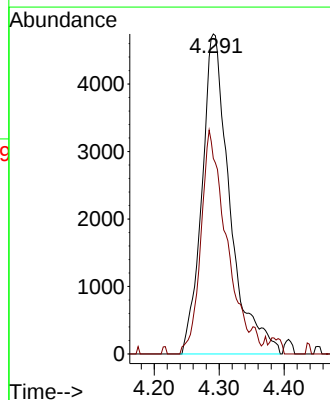
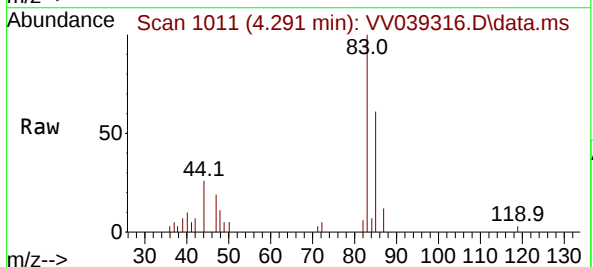
Acq: 04 Nov 2025 15:54

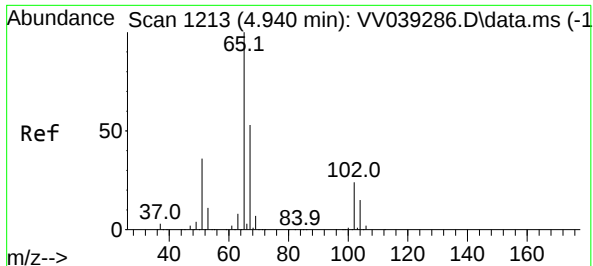
Tgt Ion: 83 Resp: 14184

Ion Ratio Lower Upper

83 100

85 61.1 51.1 76.7





#33

1,2-Dichloroethane-d4

Concen: 61.353 ug/l

RT: 4.937 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV039316.D

Acq: 04 Nov 2025 15:54

Instrument :

MSVOA_V

ClientSampleId :

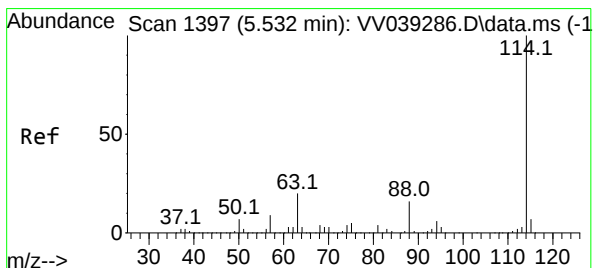
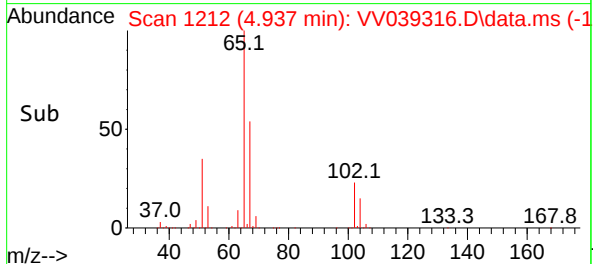
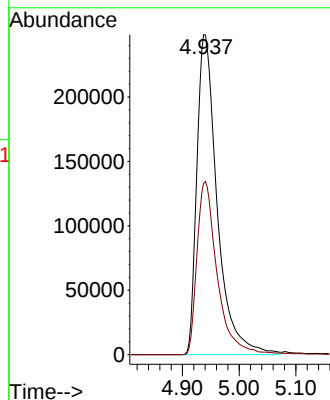
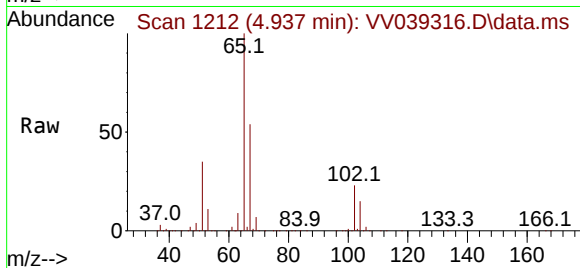
FB-1

Tgt Ion: 65 Resp: 620023

Ion Ratio Lower Upper

65 100

67 54.0 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: VV039316.D

Acq: 04 Nov 2025 15:54

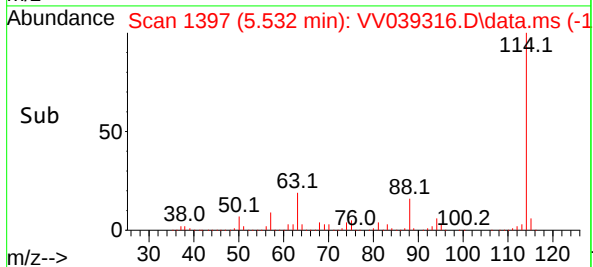
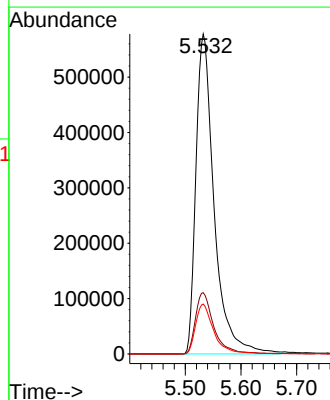
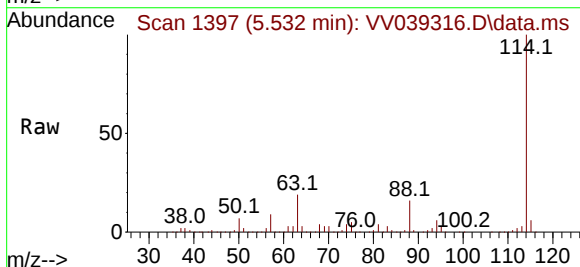
Tgt Ion: 114 Resp: 1312588

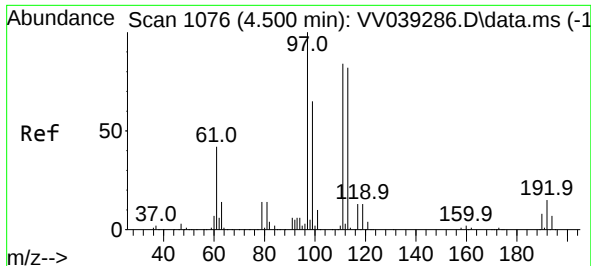
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 15.6 0.0 31.6

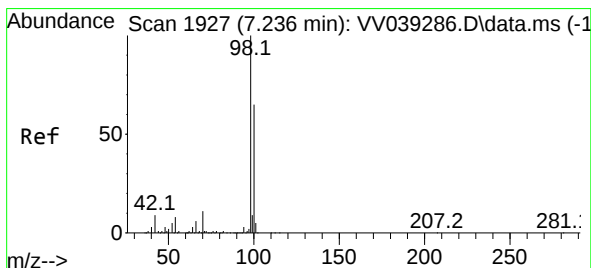
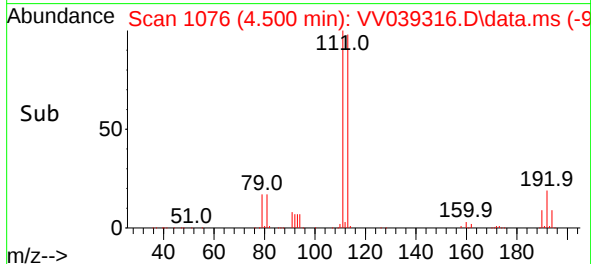
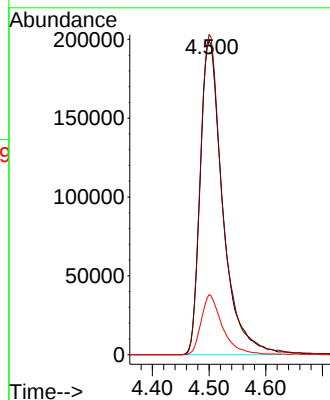
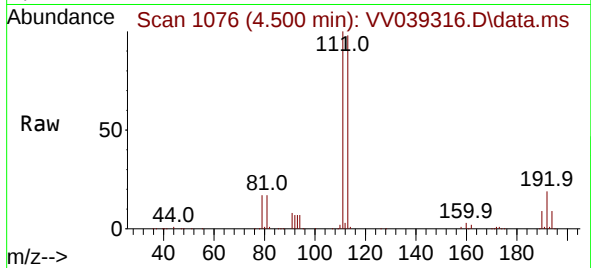




#35
Dibromofluoromethane
Concen: 53.097 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VV039316.D
Acq: 04 Nov 2025 15:54

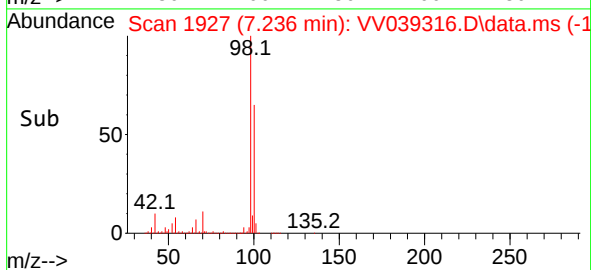
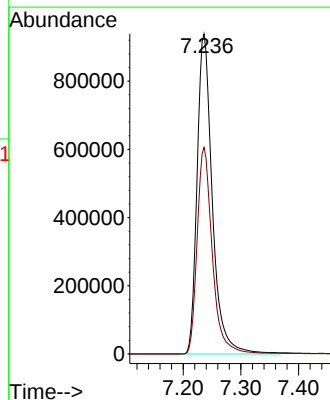
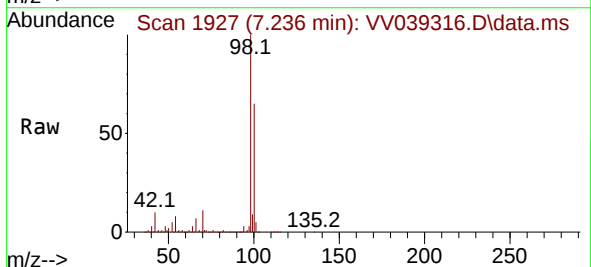
Instrument :
MSVOA_V
ClientSampleId :
FB-1

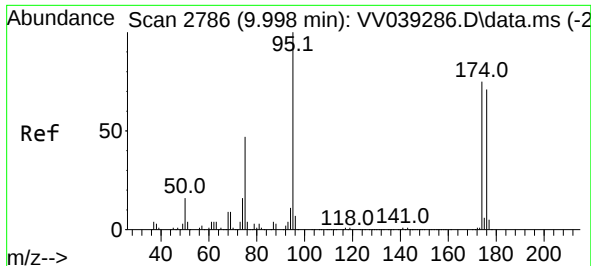
Tgt Ion:113 Resp: 549147
Ion Ratio Lower Upper
113 100
111 101.9 82.0 123.0
192 18.1 14.3 21.5



#50
Toluene-d8
Concen: 48.909 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039316.D
Acq: 04 Nov 2025 15:54

Tgt Ion: 98 Resp: 1720807
Ion Ratio Lower Upper
98 100
100 64.5 52.8 79.2

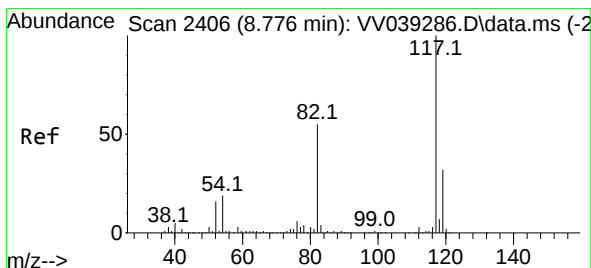
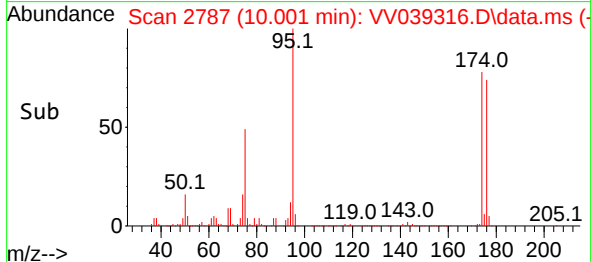
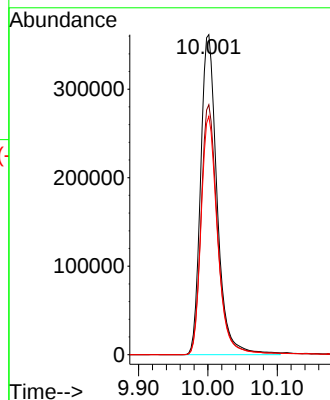
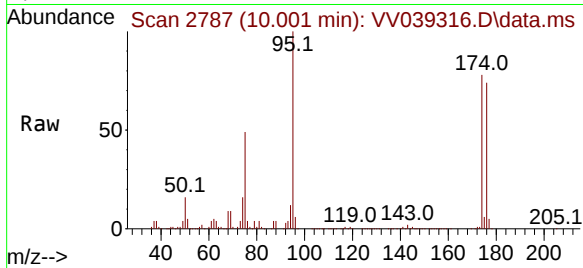




#62
4-Bromofluorobenzene
Concen: 47.617 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039316.D
Acq: 04 Nov 2025 15:54

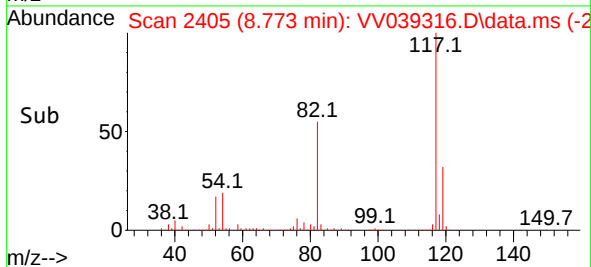
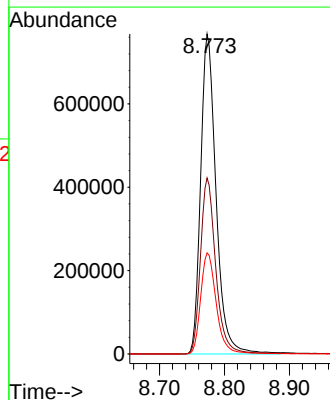
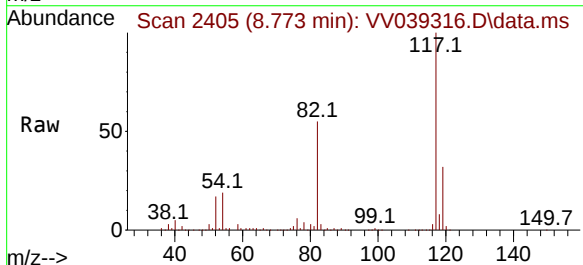
Instrument :
MSVOA_V
ClientSampleId :
FB-1

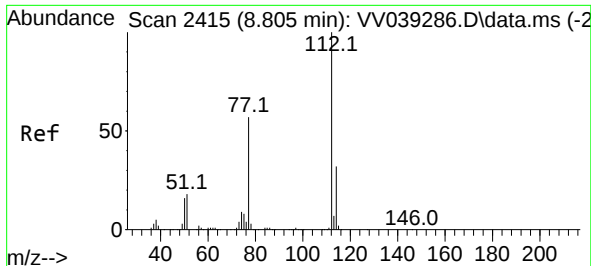
Tgt Ion: 95 Resp: 596656
Ion Ratio Lower Upper
95 100
174 79.1 0.0 153.6
176 75.0 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039316.D
Acq: 04 Nov 2025 15:54

Tgt Ion: 117 Resp: 1267623
Ion Ratio Lower Upper
117 100
82 55.0 43.8 65.8
119 31.6 25.8 38.6





#65

Chlorobenzene

Concen: 0.588 ug/l

RT: 8.812 min Scan# 2415

Delta R.T. 0.006 min

Lab File: VV039316.D

Acq: 04 Nov 2025 15:54

Instrument :

MSVOA_V

ClientSampleId :

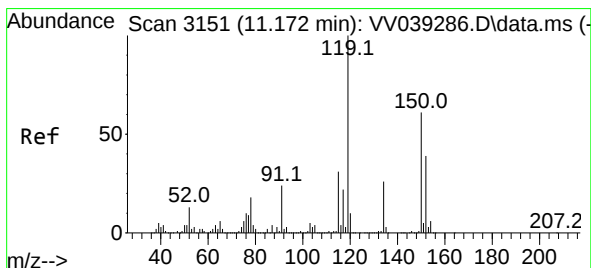
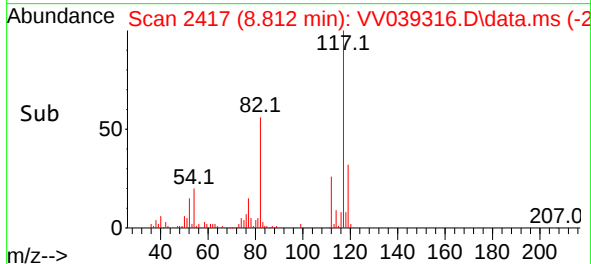
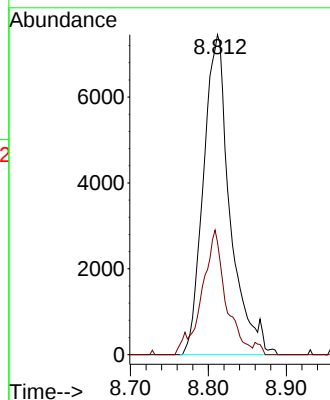
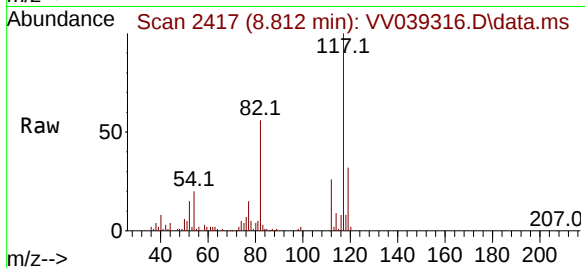
FB-1

Tgt Ion:112 Resp: 17643

Ion Ratio Lower Upper

112 100

114 35.2 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. -0.000 min

Lab File: VV039316.D

Acq: 04 Nov 2025 15:54

Tgt Ion:152 Resp: 578801

Ion Ratio Lower Upper

152 100

115 60.0 42.3 126.8

150 156.0 0.0 348.0

