

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
 Data File : VV039333.D
 Acq On : 05 Nov 2025 13:54
 Operator : SY/MD
 Sample : Q3534-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-11

Quant Time: Nov 06 00:14:37 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	4.593	168	938043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1744872	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.770	117	1594094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	693574	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.934	65	730166	54.780	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	109.560%
35) Dibromofluoromethane	4.494	113	646489	47.023	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	94.040%
50) Toluene-d8	7.233	98	2079730	44.466	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	88.940%#
62) 4-Bromofluorobenzene	9.998	95	694449	41.691	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	83.380%#

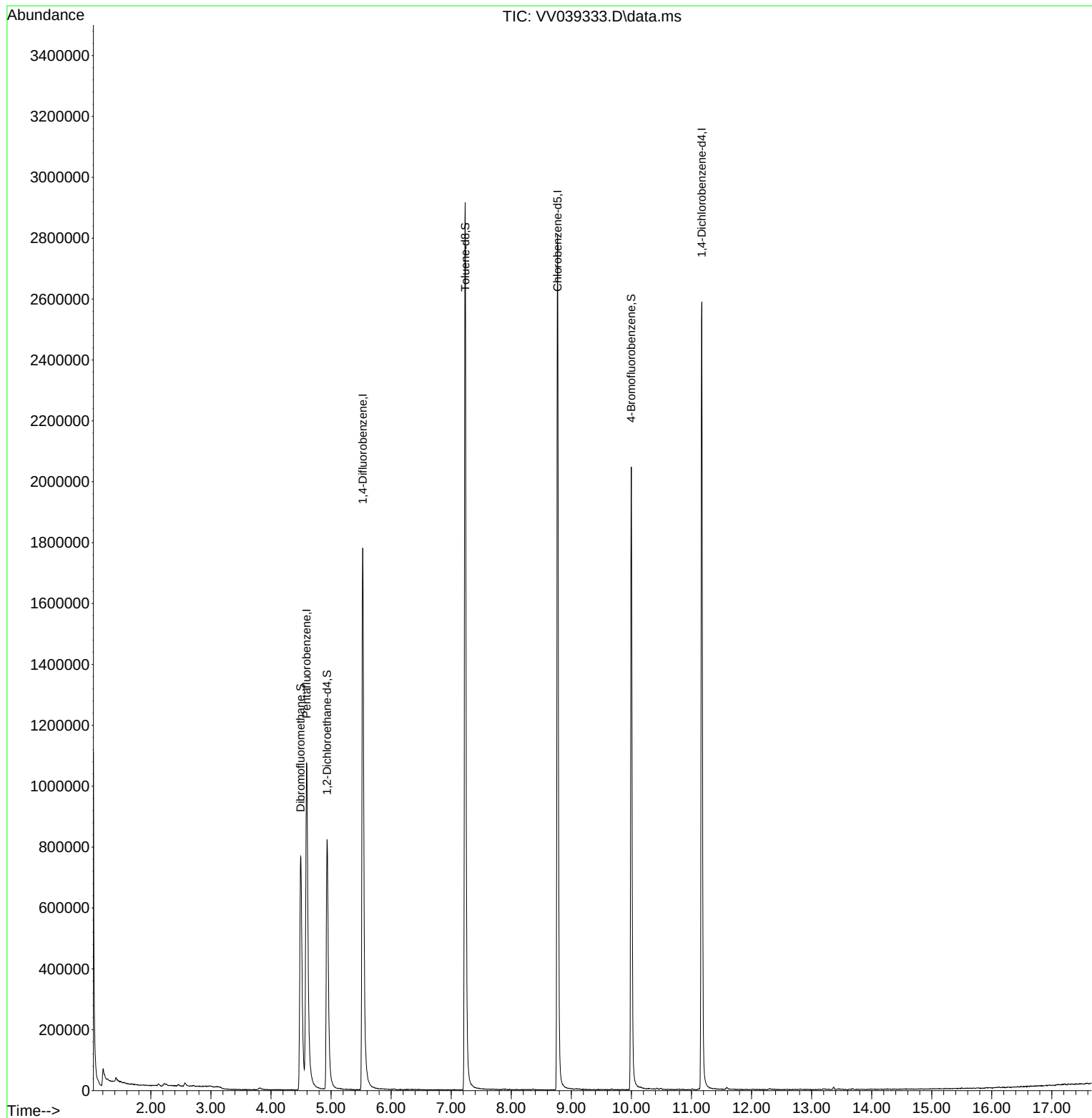
Target Compounds	Qvalue

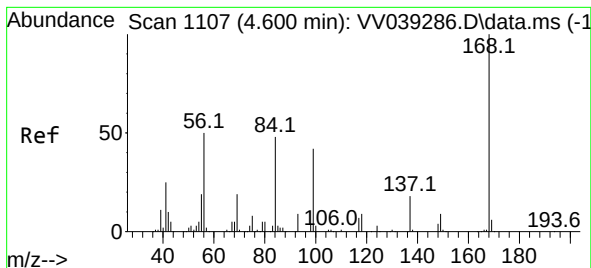
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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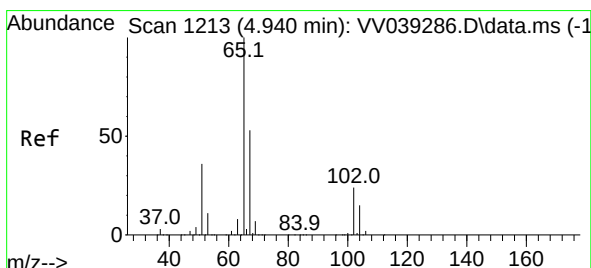
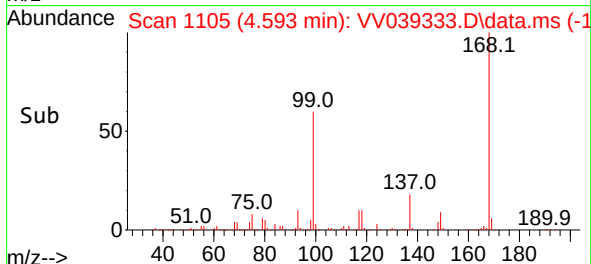
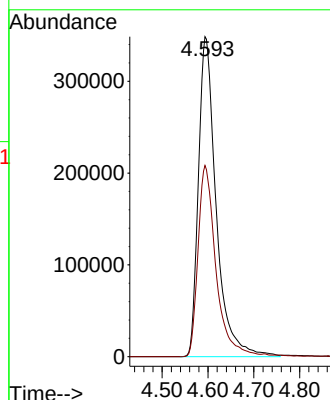
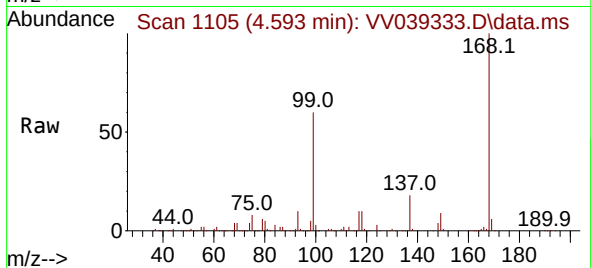




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.593 min Scan# 1105
Delta R.T. -0.007 min
Lab File: VV039333.D
Acq: 05 Nov 2025 13:54

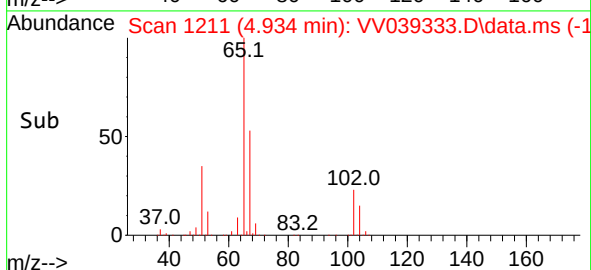
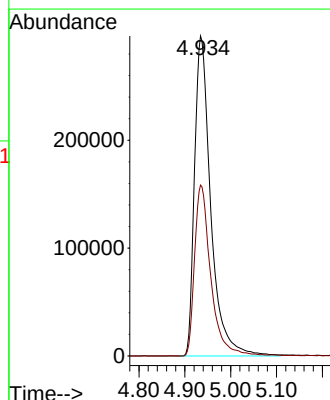
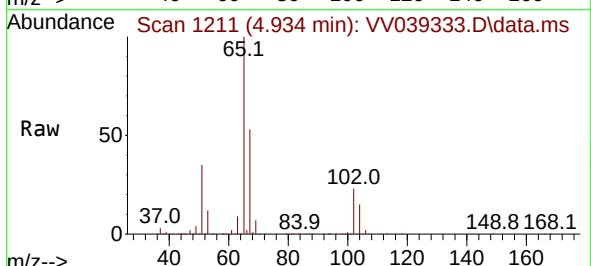
Instrument :
MSVOA_V
ClientSampleId :
MW-11

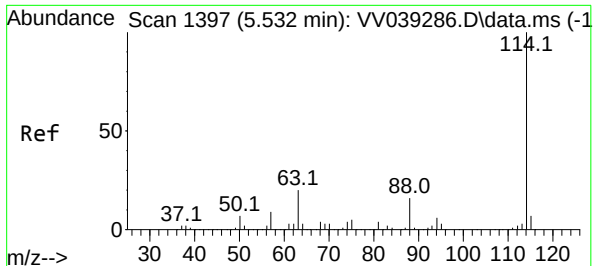
Tgt Ion:168 Resp: 938043
Ion Ratio Lower Upper
168 100
99 59.8 46.6 70.0



#33
1,2-Dichloroethane-d4
Concen: 54.780 ug/l
RT: 4.934 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VV039333.D
Acq: 05 Nov 2025 13:54

Tgt Ion: 65 Resp: 730166
Ion Ratio Lower Upper
65 100
67 53.3 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.529 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV039333.D

Acq: 05 Nov 2025 13:54

Instrument :

MSVOA_V

ClientSampleId :

MW-11

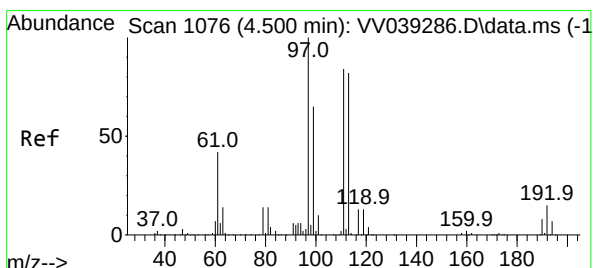
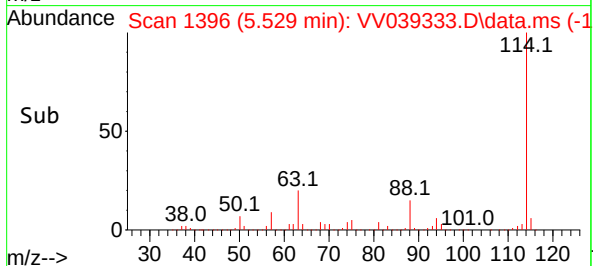
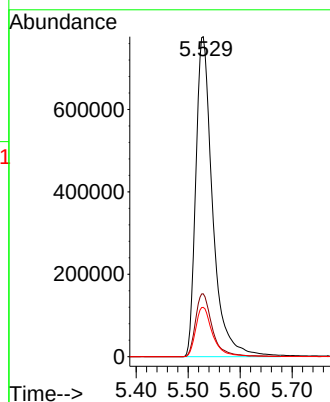
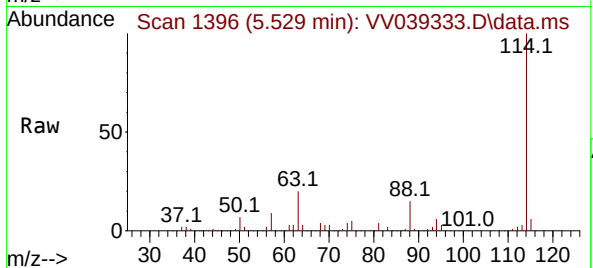
Tgt Ion:114 Resp: 1744872

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 15.4 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.023 ug/l

RT: 4.494 min Scan# 1074

Delta R.T. -0.006 min

Lab File: VV039333.D

Acq: 05 Nov 2025 13:54

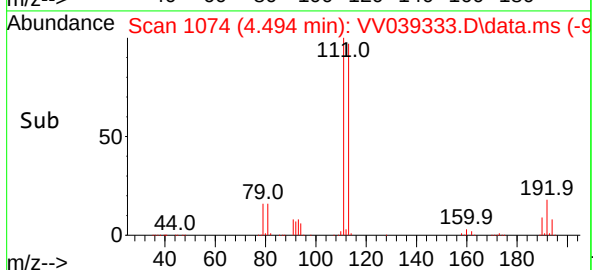
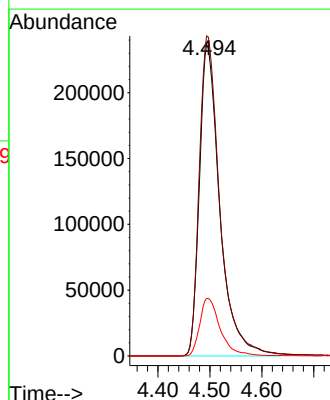
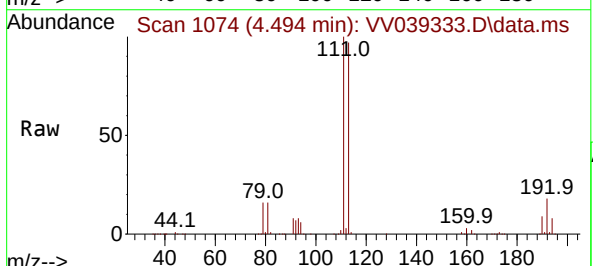
Tgt Ion:113 Resp: 646489

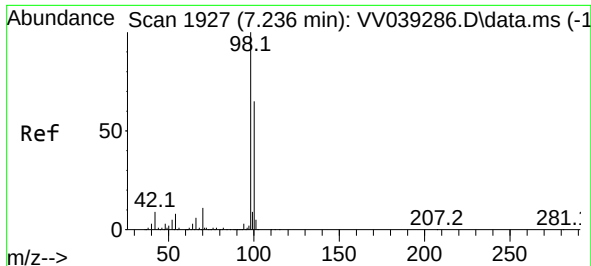
Ion Ratio Lower Upper

113 100

111 103.9 82.0 123.0

192 18.6 14.3 21.5

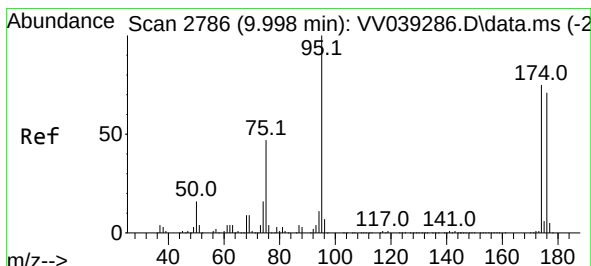
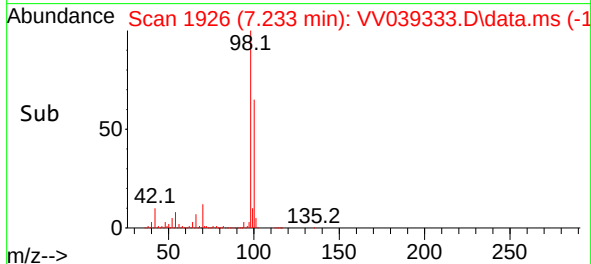
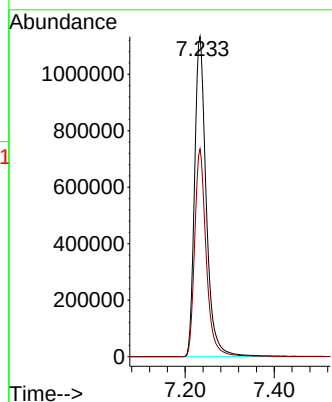
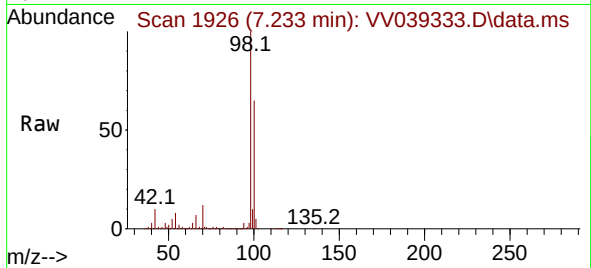




#50
Toluene-d8
Concen: 44.466 ug/l
RT: 7.233 min Scan# 1927
Delta R.T. -0.003 min
Lab File: VV039333.D
Acq: 05 Nov 2025 13:54

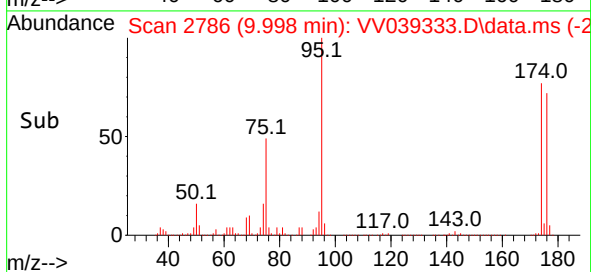
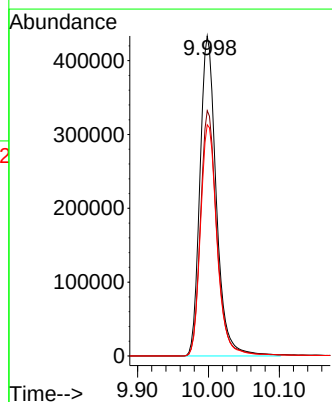
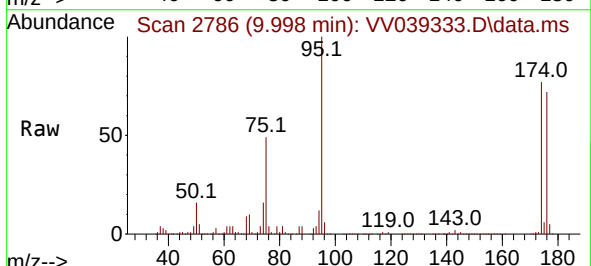
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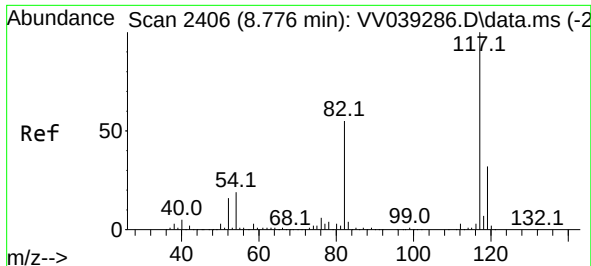
Tgt Ion: 98 Resp: 2079730
Ion Ratio Lower Upper
98 100
100 64.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 41.691 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039333.D
Acq: 05 Nov 2025 13:54

Tgt Ion: 95 Resp: 694449
Ion Ratio Lower Upper
95 100
174 77.1 0.0 153.6
176 73.6 0.0 146.0

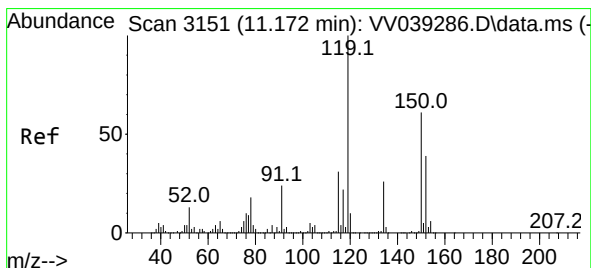
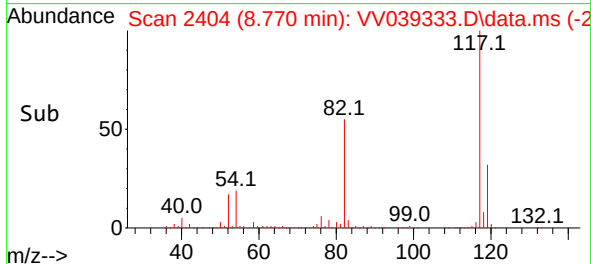
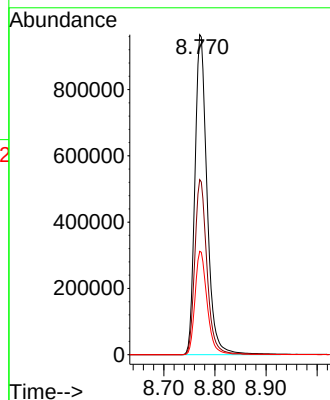
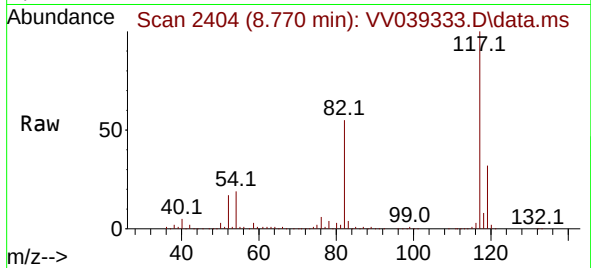




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.770 min Scan# 2406
Delta R.T. -0.006 min
Lab File: VV039333.D
Acq: 05 Nov 2025 13:54

Instrument :
MSVOA_V
ClientSampleId :
MW-11

Tgt Ion:117 Resp: 1594094
Ion Ratio Lower Upper
117 100
82 54.7 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: VV039333.D
Acq: 05 Nov 2025 13:54

Tgt Ion:152 Resp: 693574
Ion Ratio Lower Upper
152 100
115 60.3 42.3 126.8
150 156.5 0.0 348.0

