

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039312.D
 Acq On : 04 Nov 2025 14:12
 Operator : SY/MD
 Sample : Q3434-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 TB

Quant Time: Nov 05 00:37:13 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	659982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1223717	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1158276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	511635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	583542	62.225	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 124.440%#	
35) Dibromofluoromethane	4.500	113	510064	52.900	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 105.800%	
50) Toluene-d8	7.236	98	1602221	48.846	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 97.700%	
62) 4-Bromofluorobenzene	9.998	95	602736	51.595	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 103.200%	

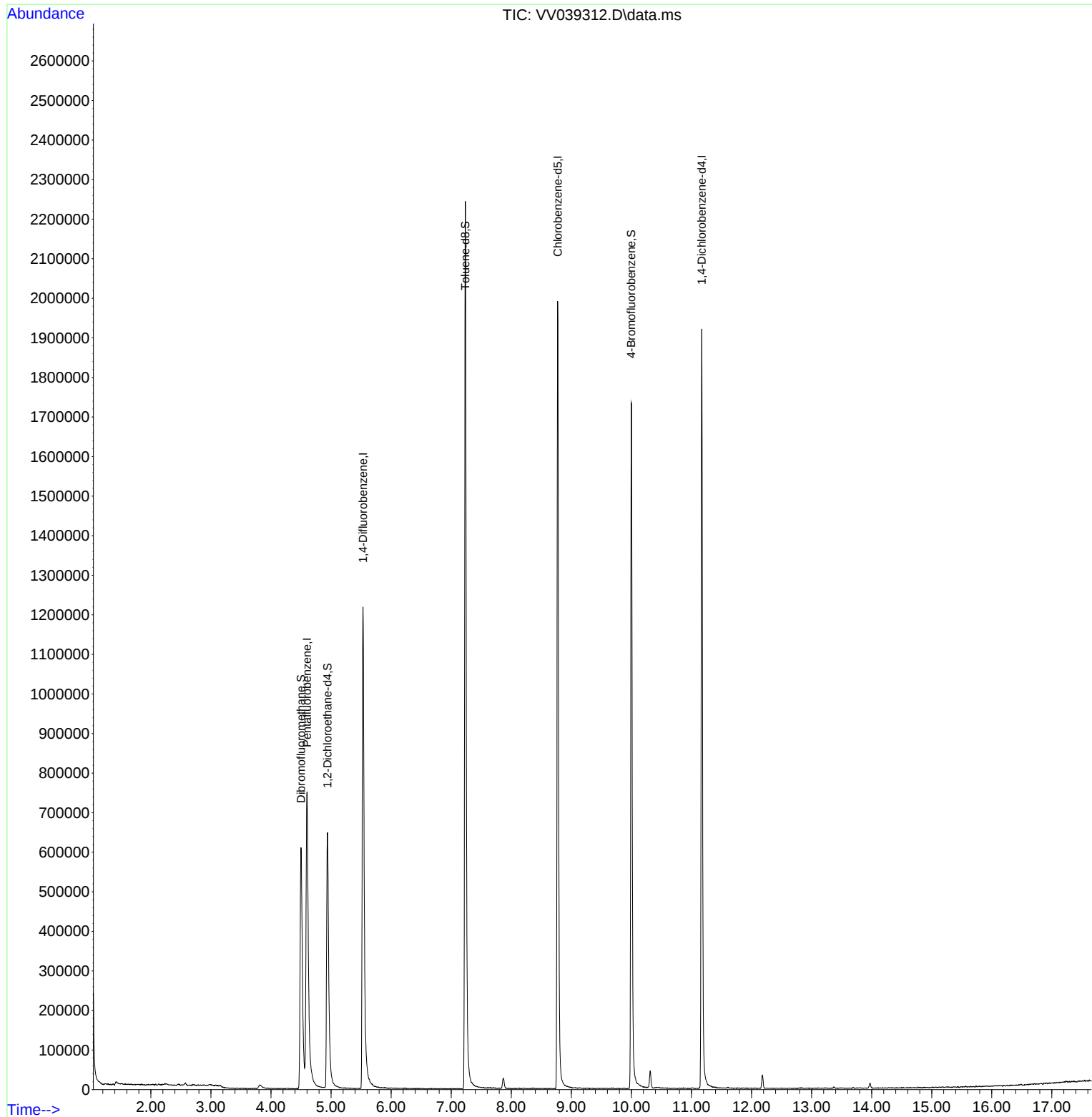
Target Compounds	Qvalue

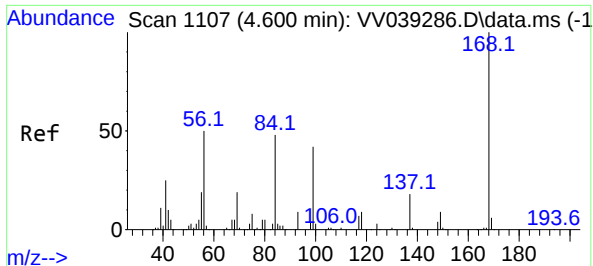
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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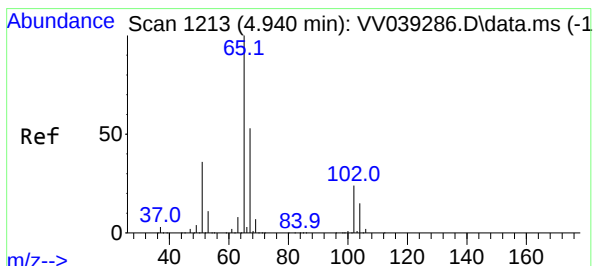
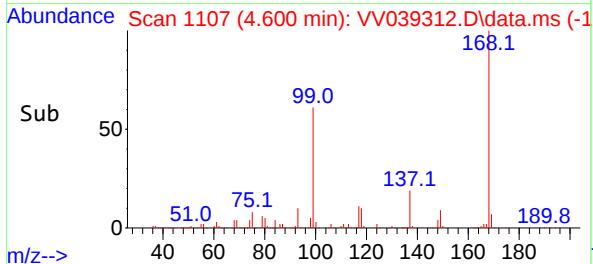
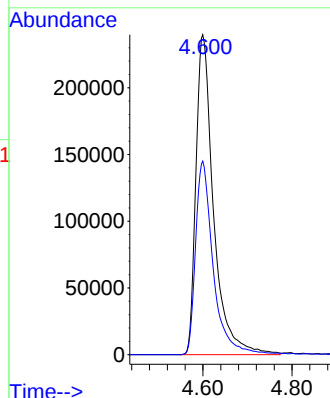
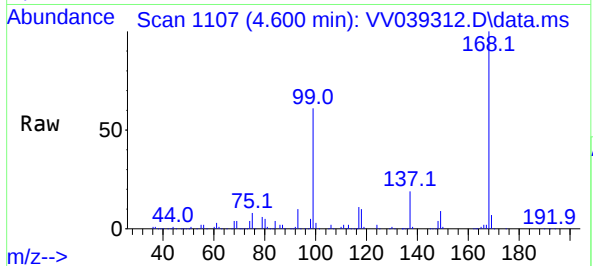




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039312.D
Acq: 04 Nov 2025 14:12

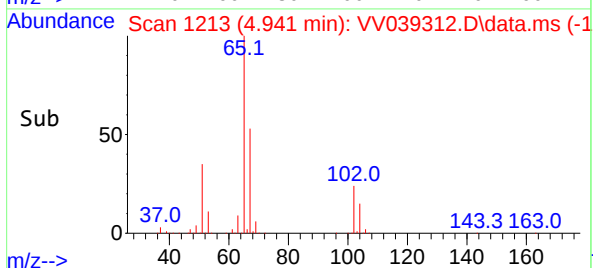
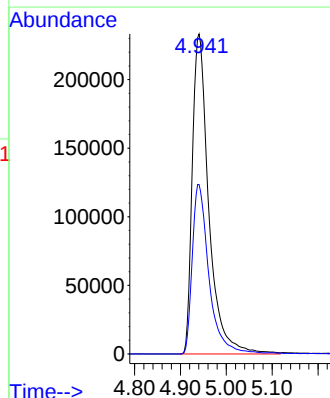
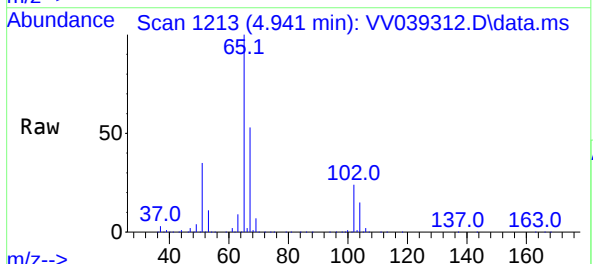
Instrument :
MSVOA_V
ClientSampleId :
TB

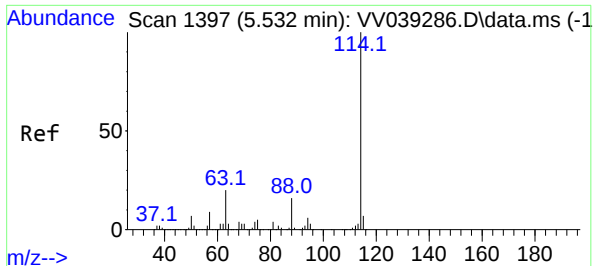
Tgt Ion:168 Resp: 659982
Ion Ratio Lower Upper
168 100
99 60.5 46.6 70.0



#33
1,2-Dichloroethane-d4
Concen: 62.225 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VV039312.D
Acq: 04 Nov 2025 14:12

Tgt Ion: 65 Resp: 583542
Ion Ratio Lower Upper
65 100
67 53.4 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV039312.D

Acq: 04 Nov 2025 14:12

Instrument :

MSVOA_V

ClientSampleId :

TB

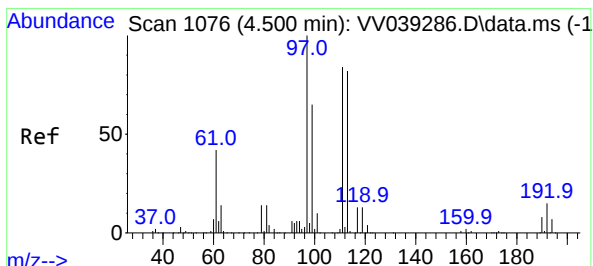
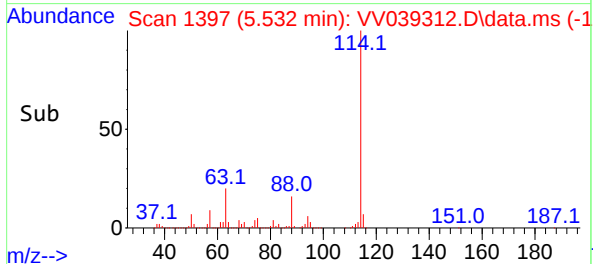
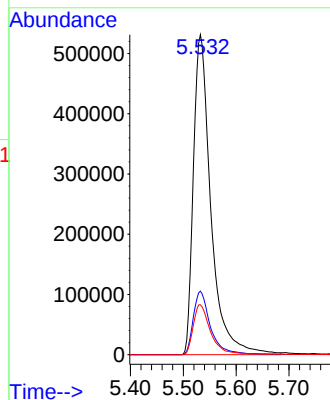
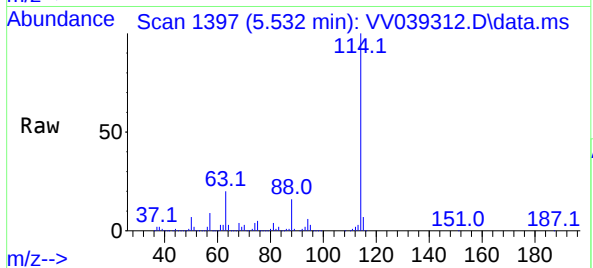
Tgt Ion:114 Resp: 1223717

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 15.6 0.0 31.6



#35

Dibromofluoromethane

Concen: 52.900 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV039312.D

Acq: 04 Nov 2025 14:12

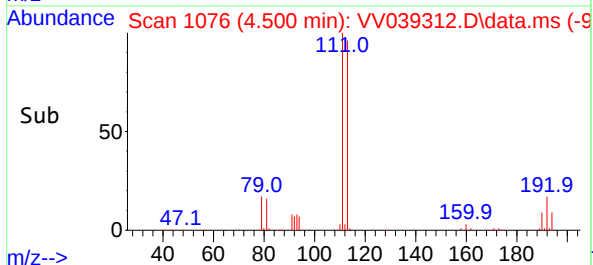
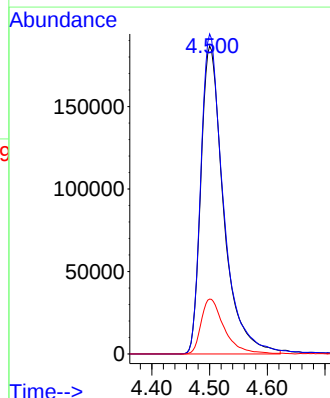
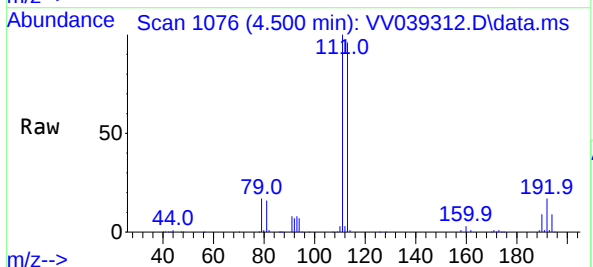
Tgt Ion:113 Resp: 510064

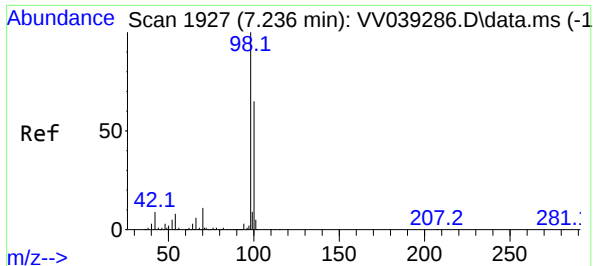
Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

192 18.2 14.3 21.5

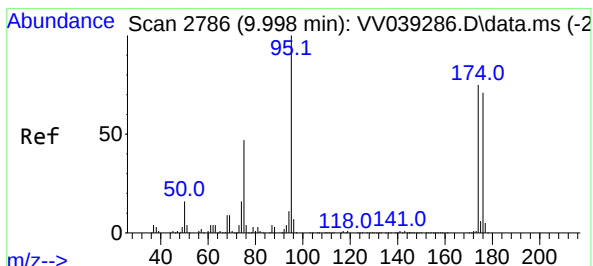
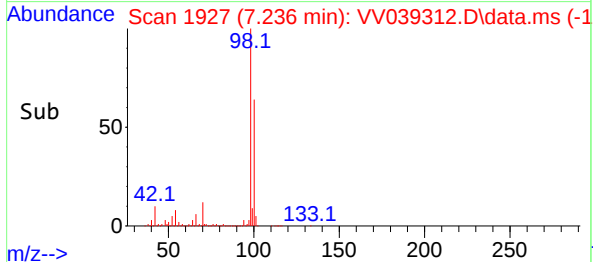
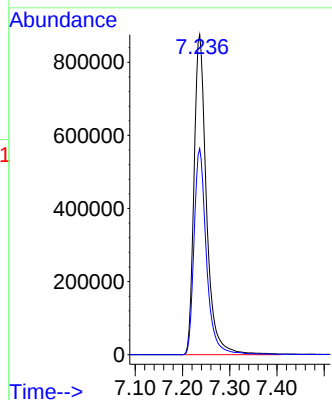
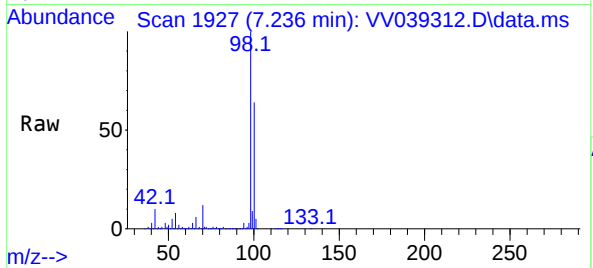




#50
Toluene-d8
Concen: 48.846 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV039312.D
Acq: 04 Nov 2025 14:12

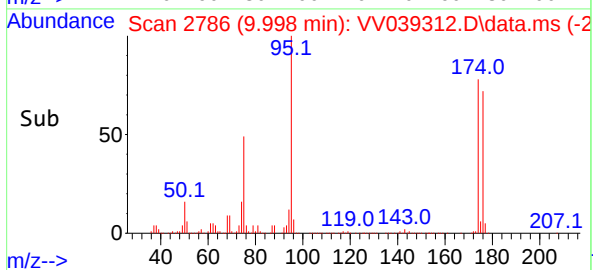
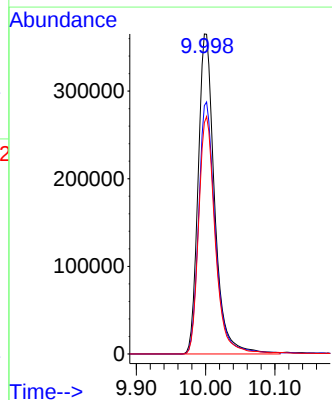
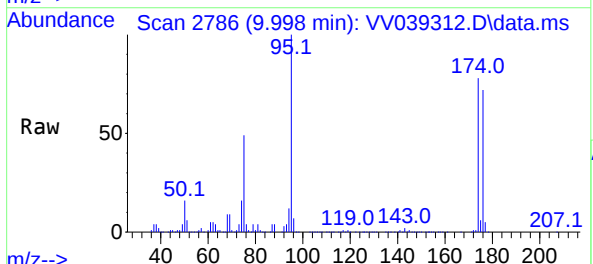
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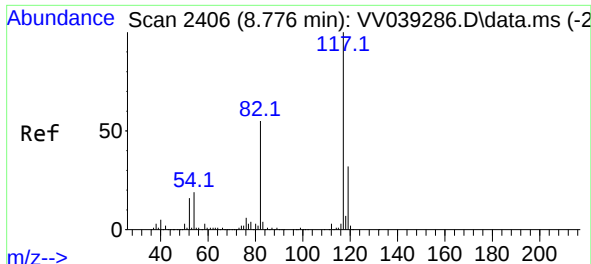
Tgt Ion: 98 Resp: 1602221
Ion Ratio Lower Upper
98 100
100 64.1 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 51.595 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039312.D
Acq: 04 Nov 2025 14:12

Tgt Ion: 95 Resp: 602736
Ion Ratio Lower Upper
95 100
174 79.5 0.0 153.6
176 74.5 0.0 146.0

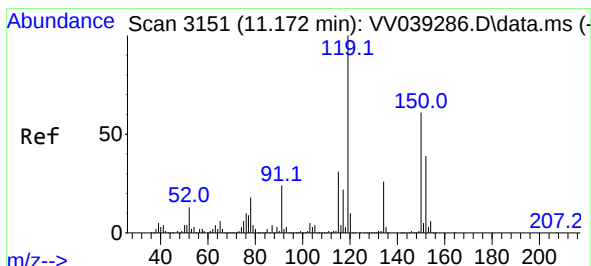
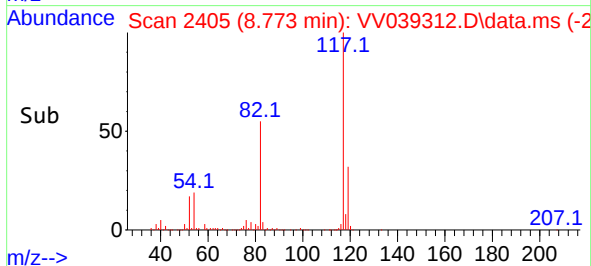
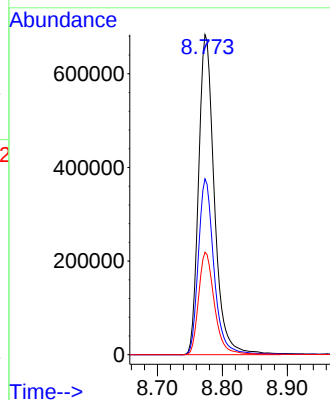
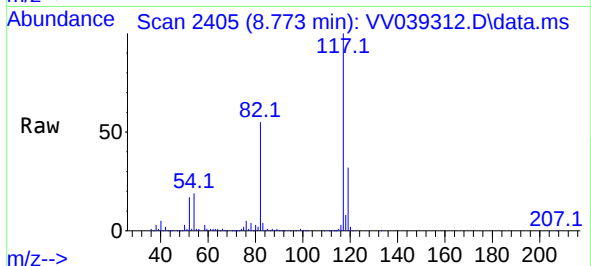




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039312.D
Acq: 04 Nov 2025 14:12

Instrument :
MSVOA_V
ClientSampleId :
TB

Tgt Ion:117 Resp: 1158276
Ion Ratio Lower Upper
117 100
82 55.0 43.8 65.8
119 32.0 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: VV039312.D
Acq: 04 Nov 2025 14:12

Tgt Ion:152 Resp: 511635
Ion Ratio Lower Upper
152 100
115 61.6 42.3 126.8
150 159.4 0.0 348.0

