

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
 Data File : VV039344.D
 Acq On : 05 Nov 2025 18:28
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK

Quant Time: Nov 06 00:20:13 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	900812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1687181	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1549674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	706931	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	708852	55.379	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	110.760%
35) Dibromofluoromethane	4.500	113	638747	48.049	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	96.100%
50) Toluene-d8	7.236	98	2077599	45.939	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	91.880%
62) 4-Bromofluorobenzene	9.998	95	708661	43.999	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	88.000%

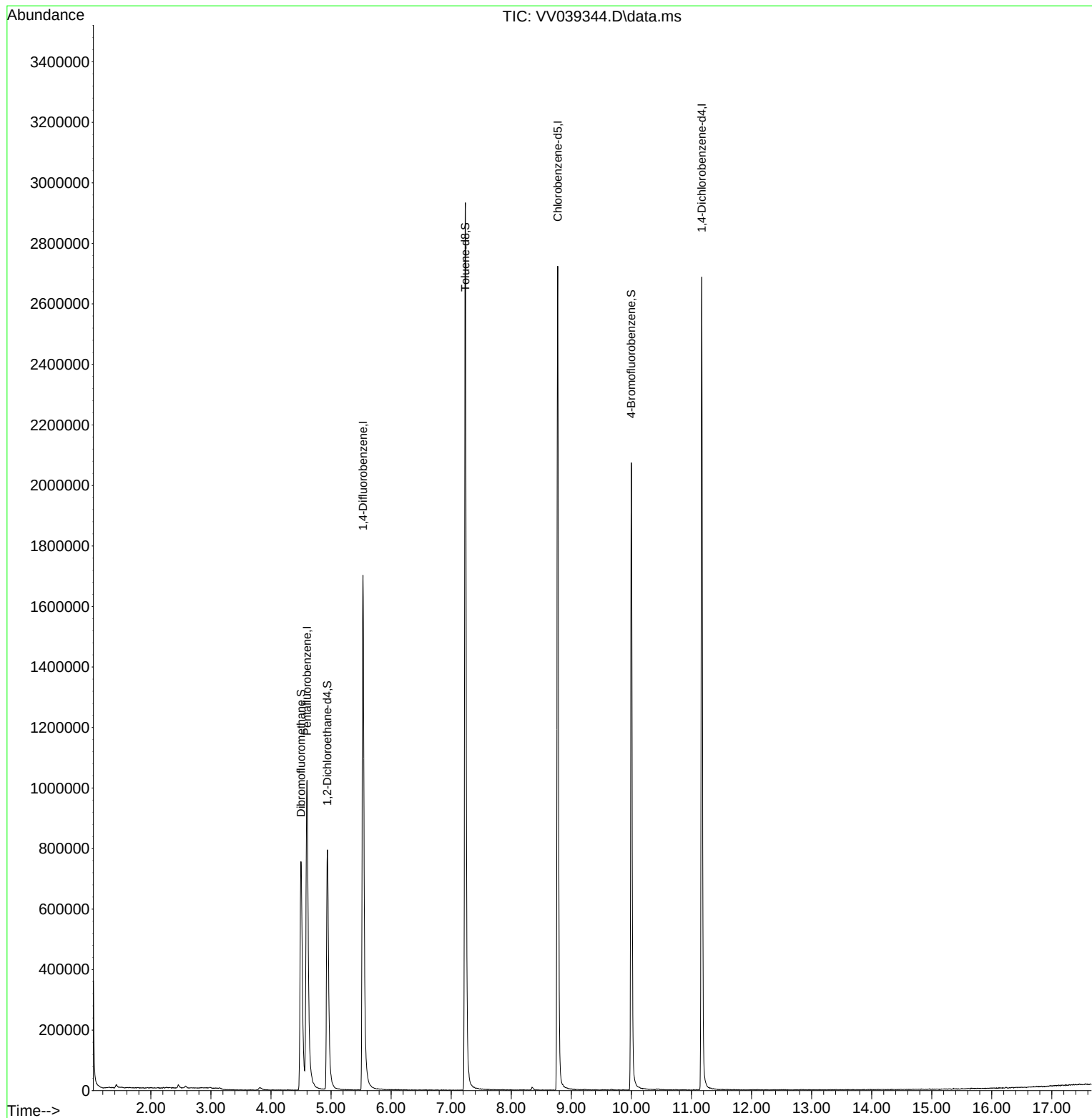
Target Compounds	Qvalue

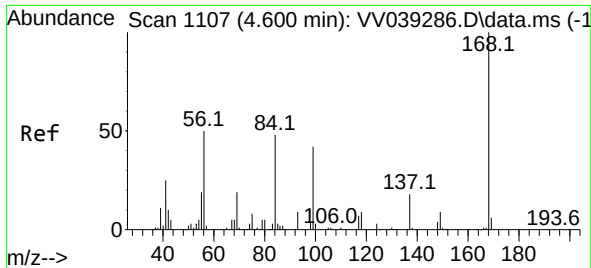
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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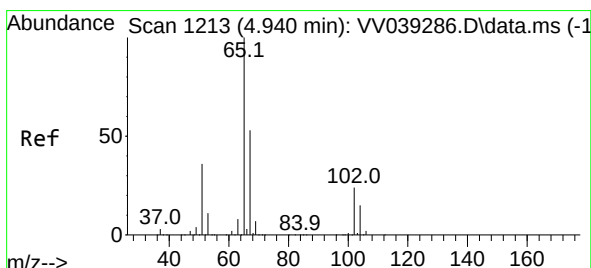
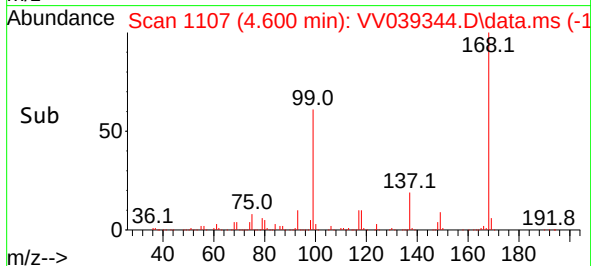
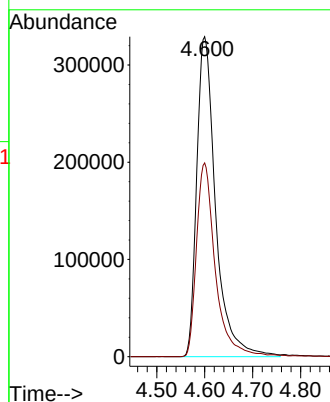
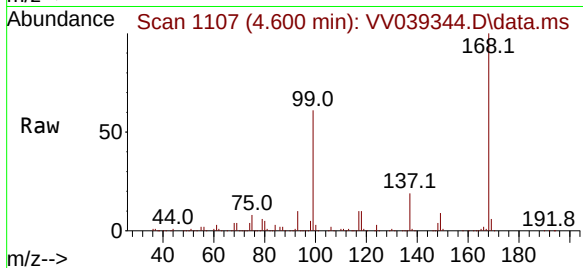




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039344.D
Acq: 05 Nov 2025 18:28

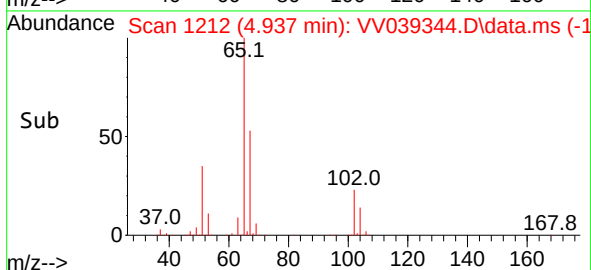
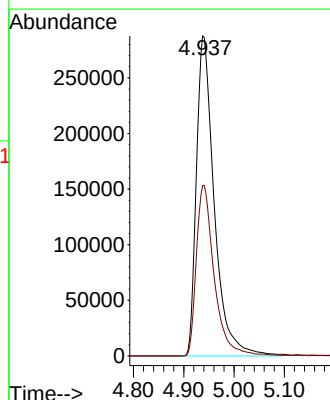
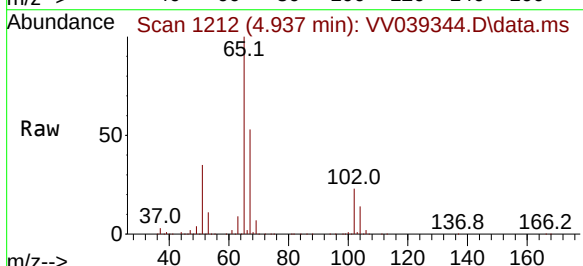
Instrument :
MSVOA_V
ClientSampleId :
VIBLK

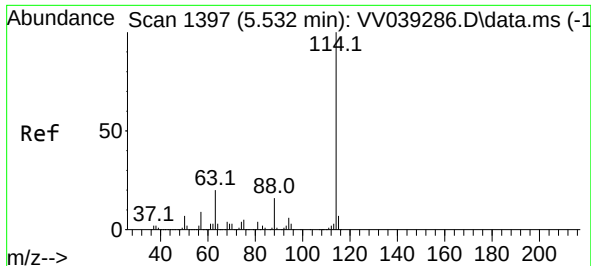
Tgt Ion:168 Resp: 900812
Ion Ratio Lower Upper
168 100
99 60.6 46.6 70.0



#33
1,2-Dichloroethane-d4
Concen: 55.379 ug/l
RT: 4.937 min Scan# 1212
Delta R.T. -0.003 min
Lab File: VV039344.D
Acq: 05 Nov 2025 18:28

Tgt Ion: 65 Resp: 708852
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: VV039344.D

Acq: 05 Nov 2025 18:28

Instrument :

MSVOA_V

ClientSampleId :

VIBLK

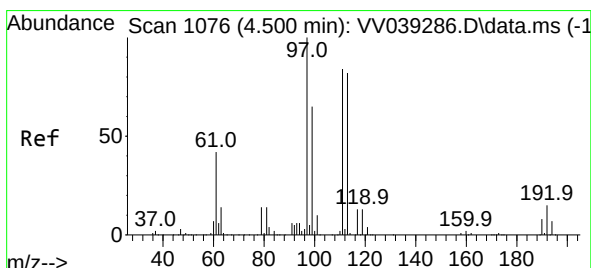
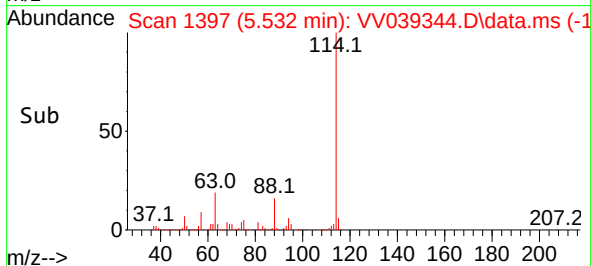
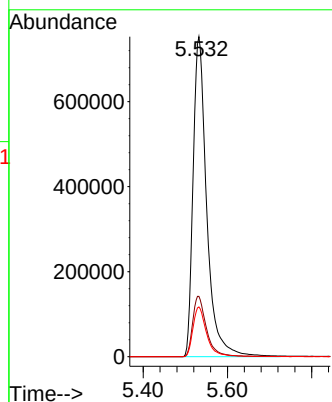
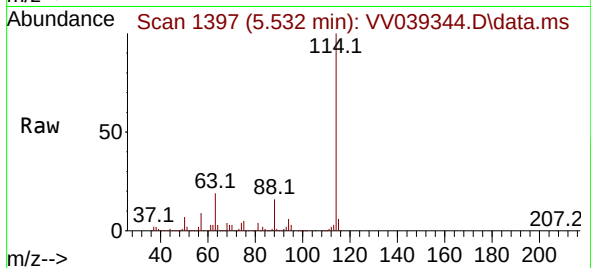
Tgt Ion:114 Resp: 1687181

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 15.6 0.0 31.6



#35

Dibromofluoromethane

Concen: 48.049 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV039344.D

Acq: 05 Nov 2025 18:28

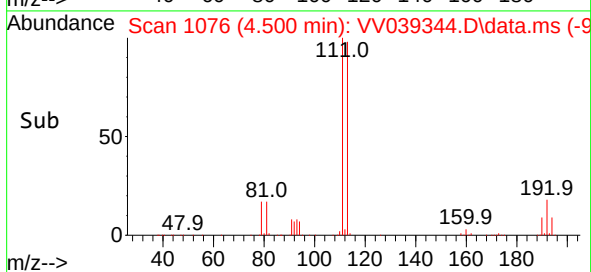
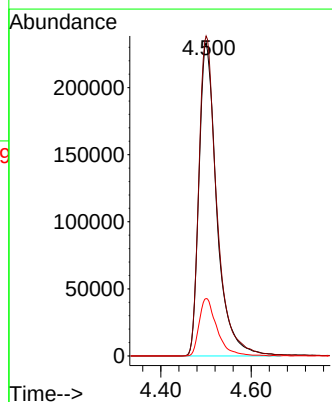
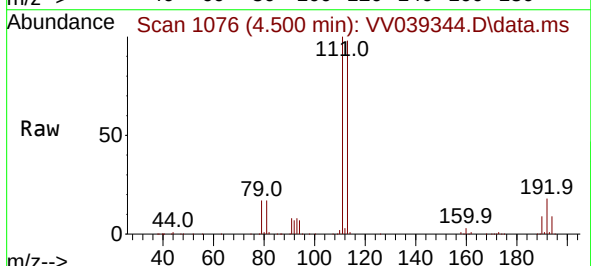
Tgt Ion:113 Resp: 638747

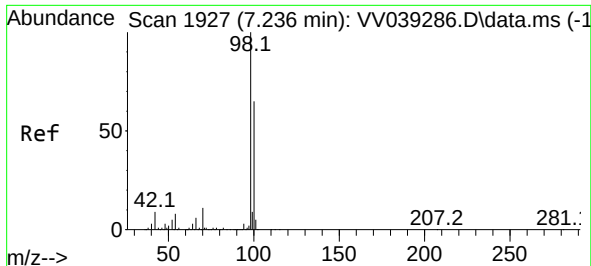
Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

192 18.4 14.3 21.5

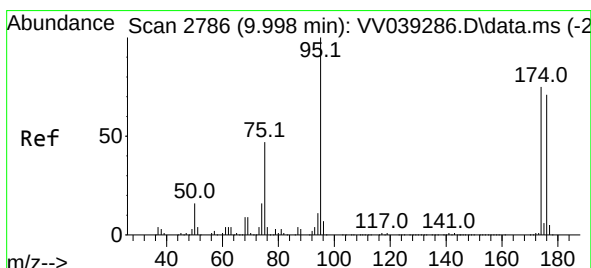
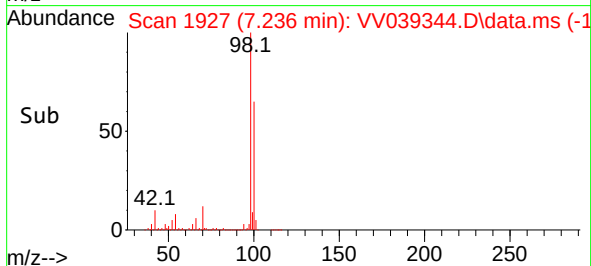
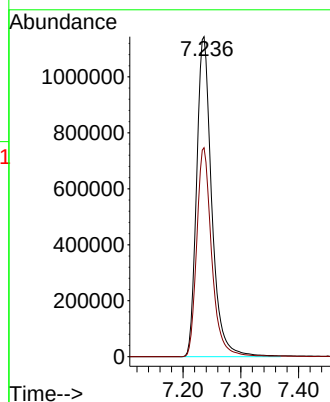
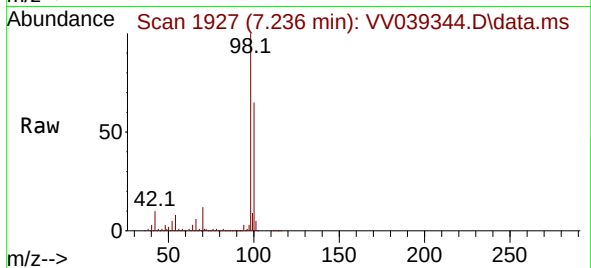




#50
Toluene-d8
Concen: 45.939 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV039344.D
Acq: 05 Nov 2025 18:28

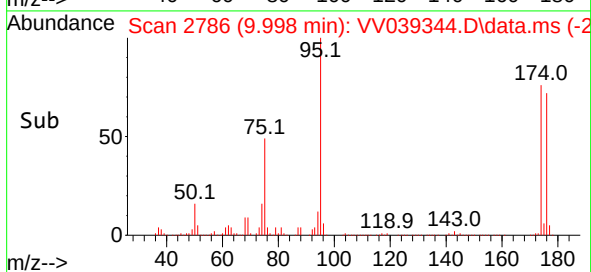
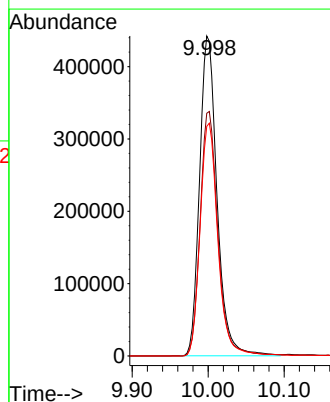
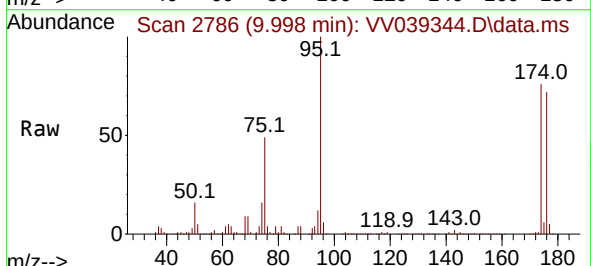
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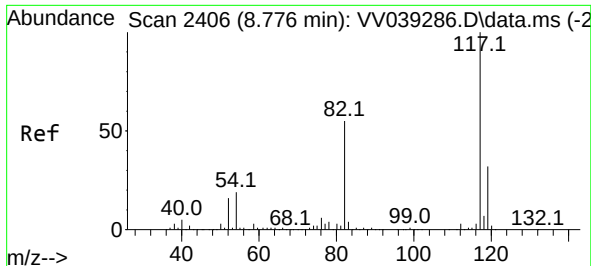
Tgt Ion: 98 Resp: 2077599
Ion Ratio Lower Upper
98 100
100 65.1 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 43.999 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039344.D
Acq: 05 Nov 2025 18:28

Tgt Ion: 95 Resp: 708661
Ion Ratio Lower Upper
95 100
174 78.4 0.0 153.6
176 74.1 0.0 146.0

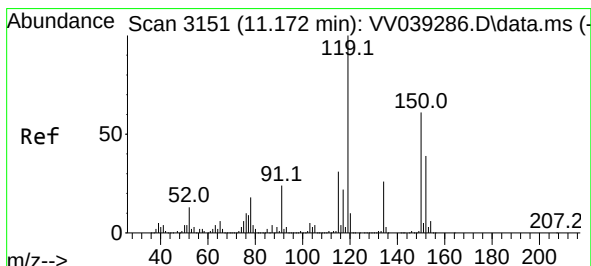
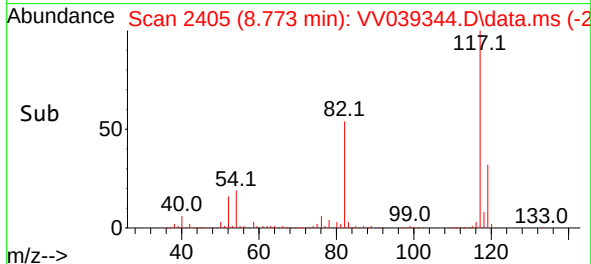
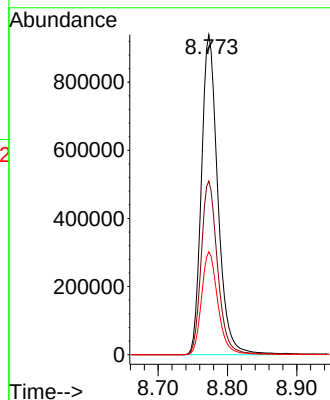
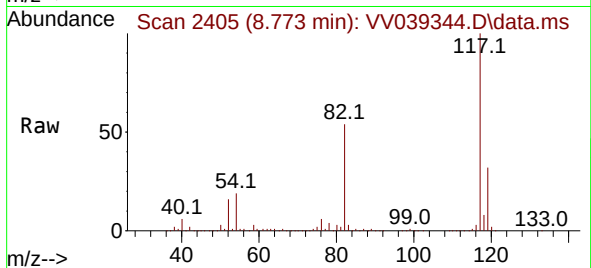




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2406
Delta R.T. -0.003 min
Lab File: VV039344.D
Acq: 05 Nov 2025 18:28

Instrument :
MSVOA_V
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1549674
Ion Ratio Lower Upper
117 100
82 54.3 43.8 65.8
119 32.1 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: VV039344.D
Acq: 05 Nov 2025 18:28

Tgt Ion:152 Resp: 706931
Ion Ratio Lower Upper
152 100
115 60.7 42.3 126.8
150 158.9 0.0 348.0

