

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
 Data File : VV039334.D
 Acq On : 05 Nov 2025 14:17
 Operator : SY/MD
 Sample : Q3541-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 N48969

Quant Time: Nov 06 00:15:06 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	629934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1170310	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1102434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	481796	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	545607	60.955	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	121.900%#
35) Dibromofluoromethane	4.500	113	479407	51.990	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	103.980%
50) Toluene-d8	7.236	98	1486240	47.378	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	94.760%
62) 4-Bromofluorobenzene	9.998	95	498261	44.599	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	89.200%

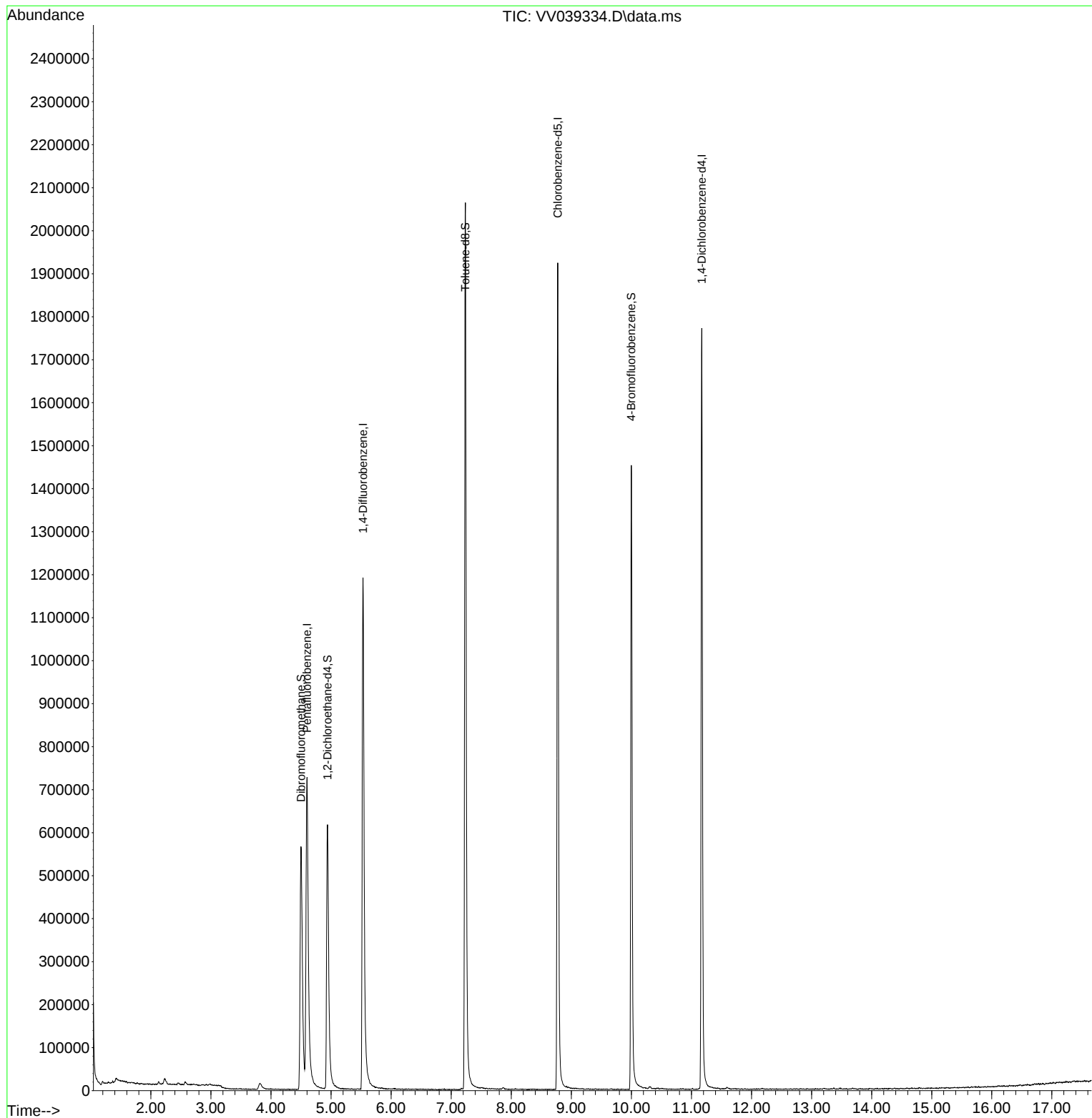
Target Compounds	Qvalue

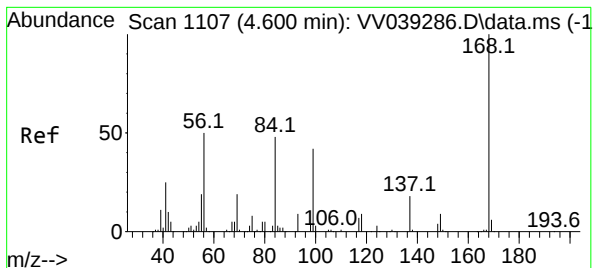
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.000 min

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Instrument :

MSVOA_V

ClientSampleId :

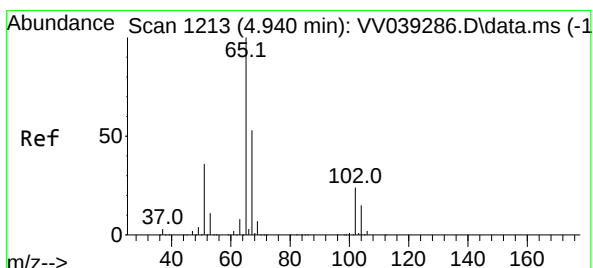
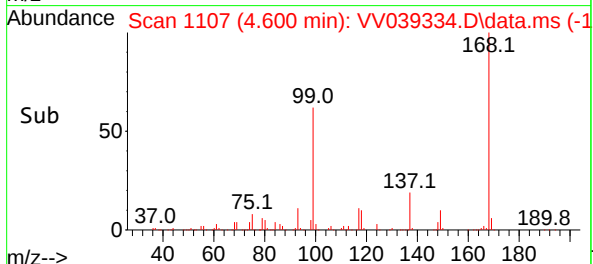
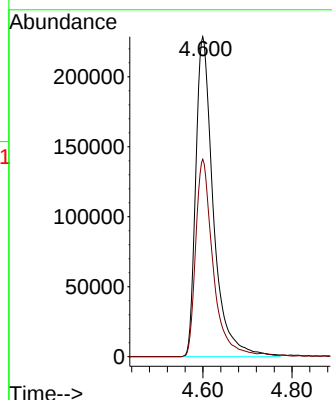
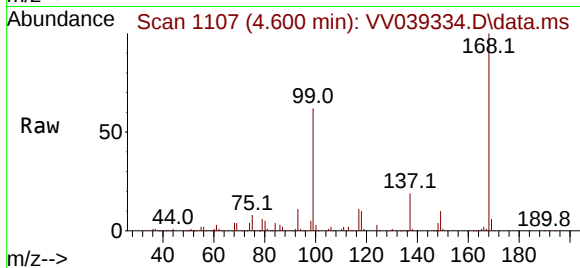
N48969

Tgt Ion:168 Resp: 629934

Ion Ratio Lower Upper

168 100

99 61.7 46.6 70.0



#33

1,2-Dichloroethane-d4

Concen: 60.955 ug/l

RT: 4.941 min Scan# 1213

Delta R.T. 0.000 min

Lab File: VV039334.D

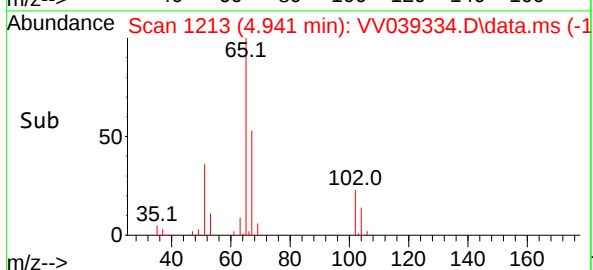
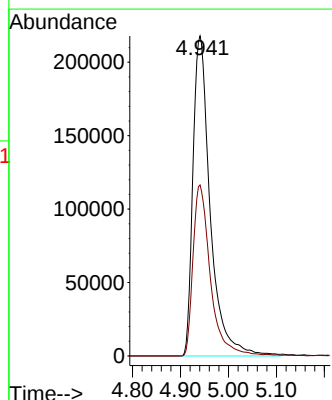
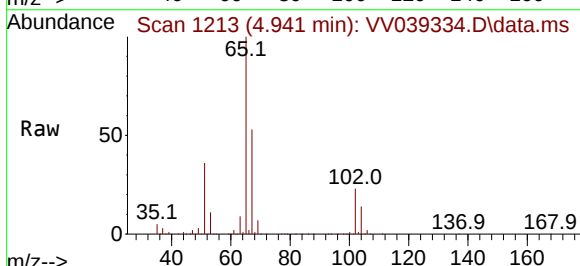
Acq: 05 Nov 2025 14:17

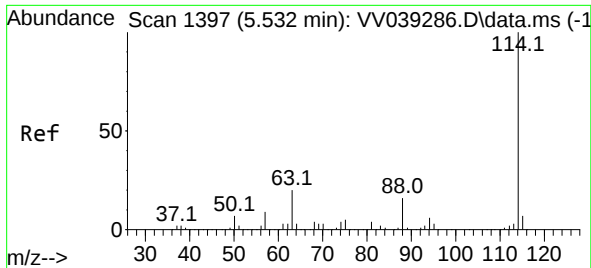
Tgt Ion: 65 Resp: 545607

Ion Ratio Lower Upper

65 100

67 53.5 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: VV039334.D

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ClientSampleId :

N48969

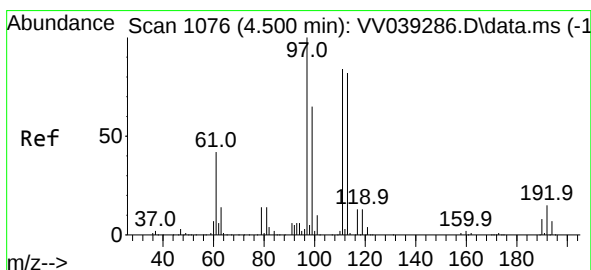
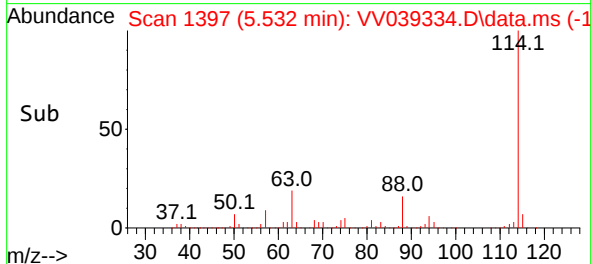
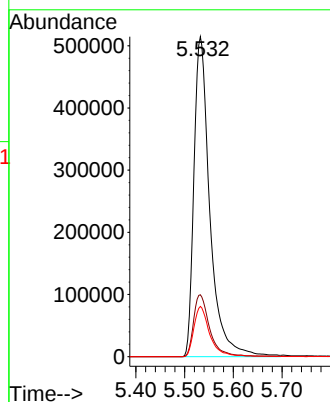
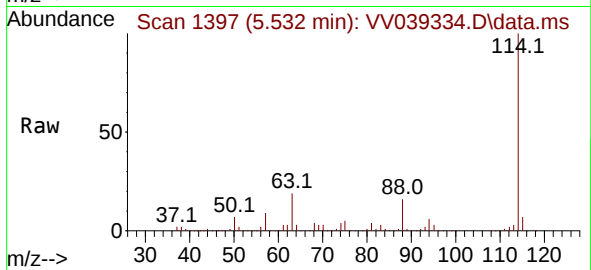
Tgt Ion:114 Resp: 1170310

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 15.7 0.0 31.6



#35

Dibromofluoromethane

Concen: 51.990 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV039334.D

Acq: 05 Nov 2025 14:17

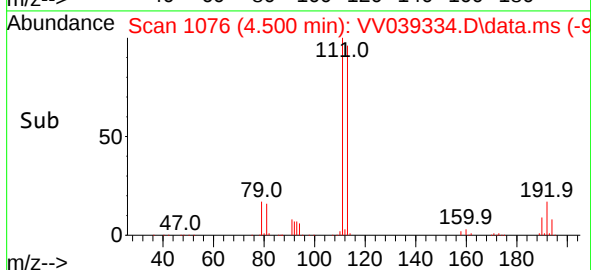
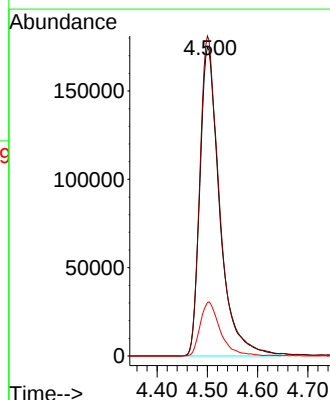
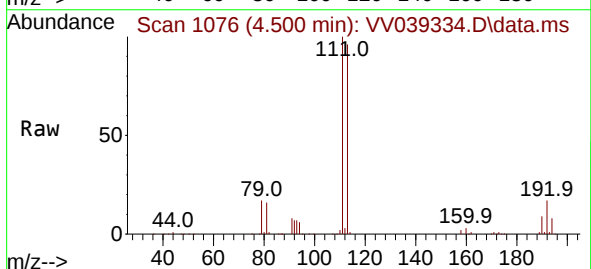
Tgt Ion:113 Resp: 479407

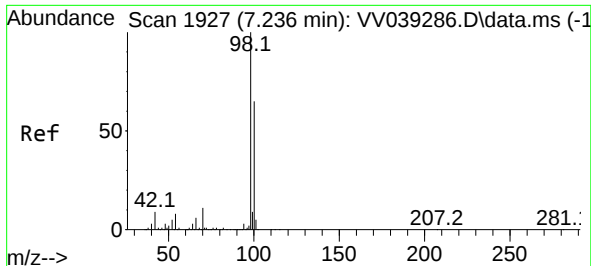
Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

192 17.7 14.3 21.5

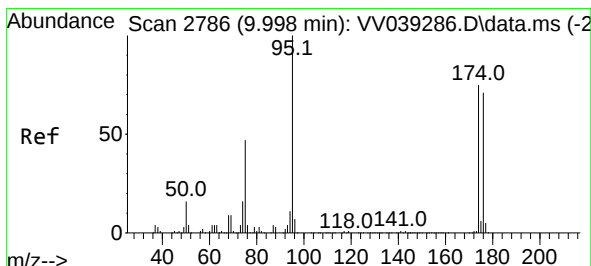
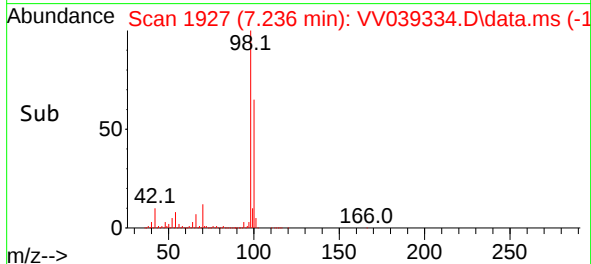
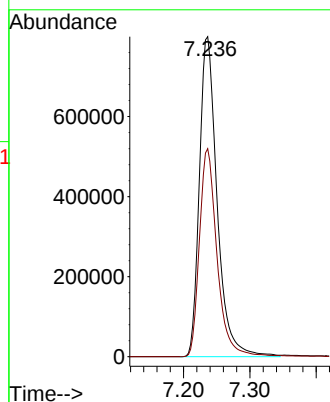
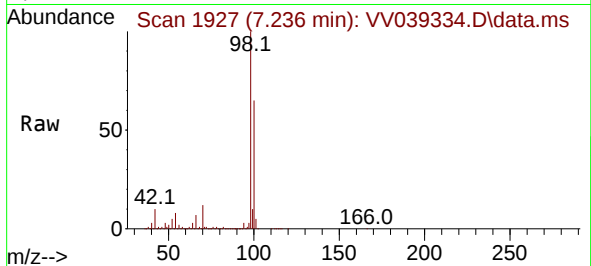




#50
Toluene-d8
Concen: 47.378 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV039334.D
Acq: 05 Nov 2025 14:17

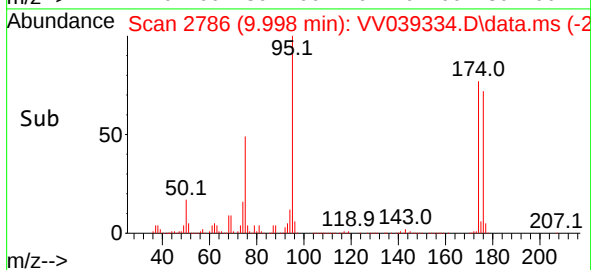
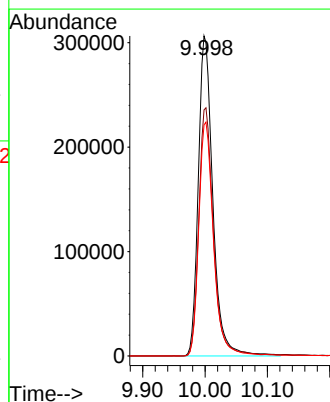
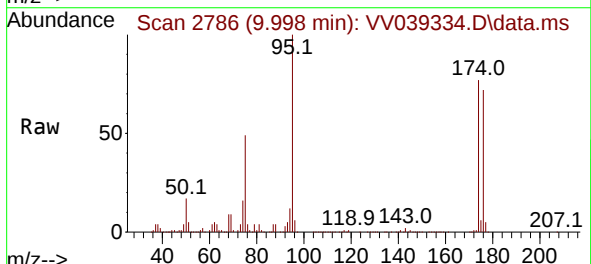
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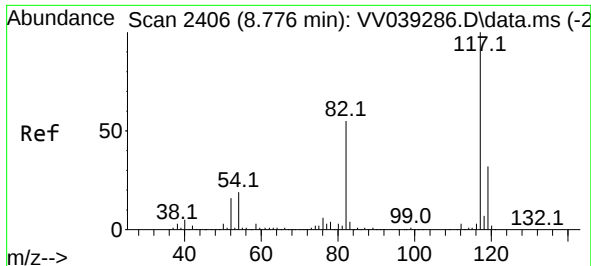
Tgt Ion: 98 Resp: 1486240
Ion Ratio Lower Upper
98 100
100 64.7 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 44.599 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039334.D
Acq: 05 Nov 2025 14:17

Tgt Ion: 95 Resp: 498261
Ion Ratio Lower Upper
95 100
174 78.1 0.0 153.6
176 73.9 0.0 146.0

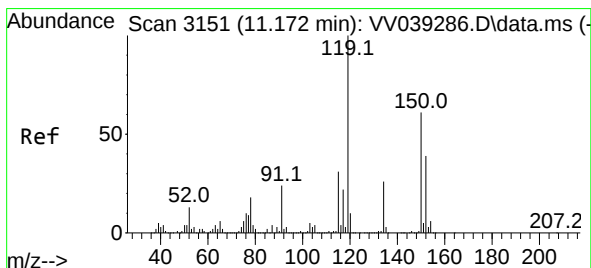
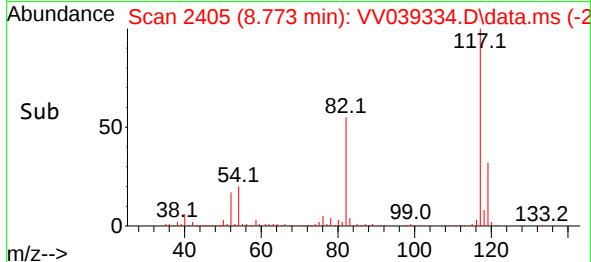
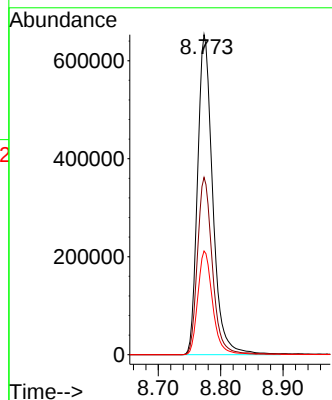
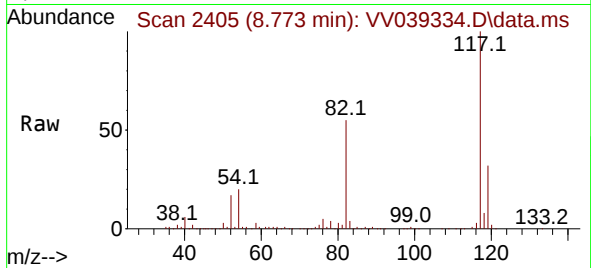




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039334.D
Acq: 05 Nov 2025 14:17

Instrument :
MSVOA_V
ClientSampleId :
N48969

Tgt Ion:117 Resp: 1102434
Ion Ratio Lower Upper
117 100
82 55.4 43.8 65.8
119 32.4 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: VV039334.D
Acq: 05 Nov 2025 14:17

Tgt Ion:152 Resp: 481796
Ion Ratio Lower Upper
152 100
115 59.7 42.3 126.8
150 156.1 0.0 348.0

