

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039315.D
 Acq On : 04 Nov 2025 15:32
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK

Quant Time: Nov 05 00:37:58 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	4.596	168	609245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1117082	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1076528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	478826	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	485797	56.116	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	112.240%
35) Dibromofluoromethane	4.497	113	431638	49.040	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	98.080%
50) Toluene-d8	7.233	98	1339479	44.734	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	89.460%
62) 4-Bromofluorobenzene	9.998	95	429077	40.236	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	80.480%#

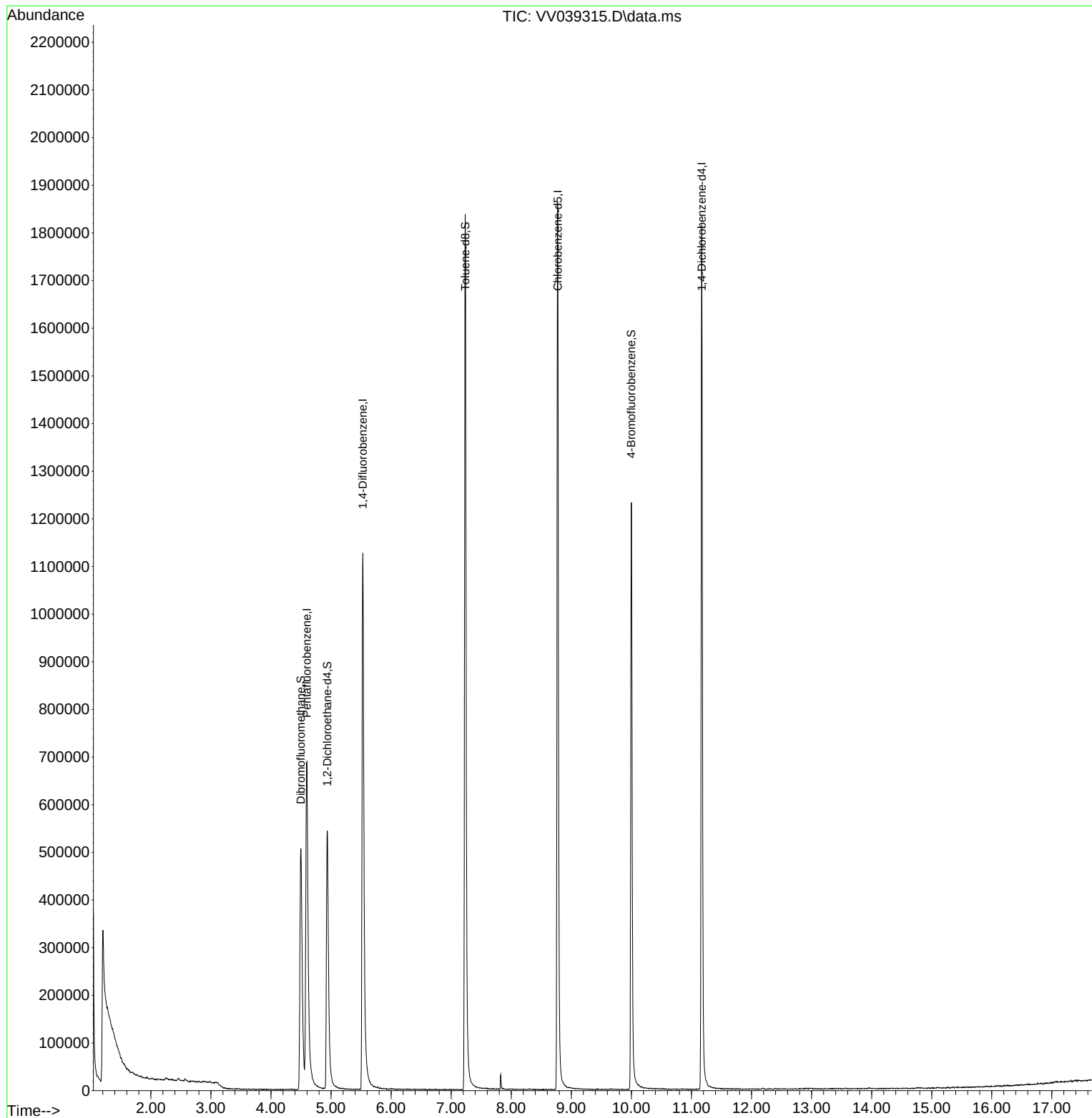
Target Compounds	Qvalue

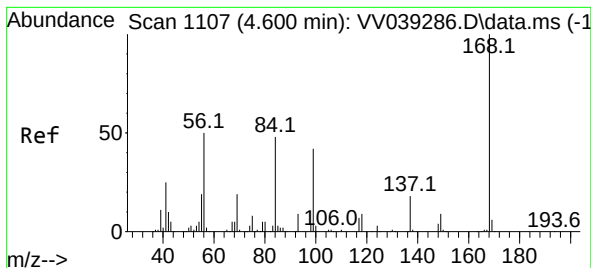
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.596 min Scan# 1106

Delta R.T. -0.004 min

Lab File: VV039315.D

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Instrument :

MSVOA_V

ClientSampleId :

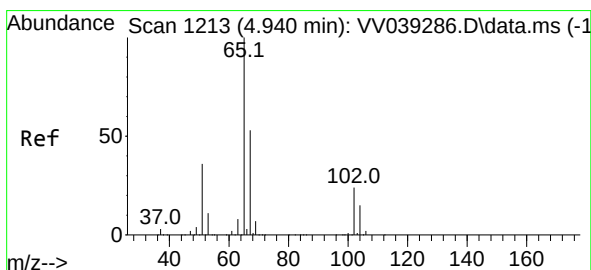
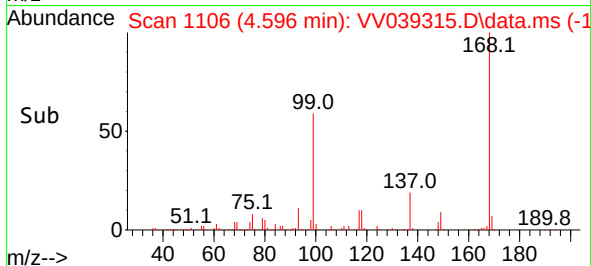
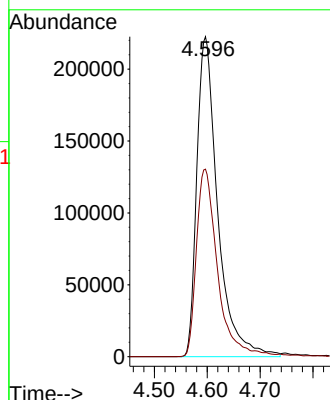
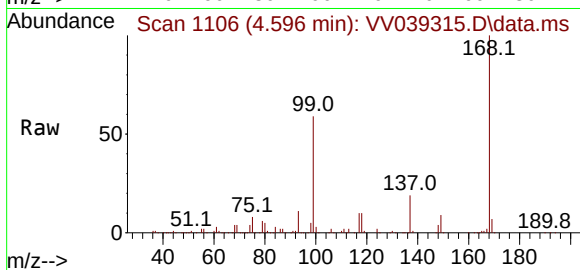
VIBLK

Tgt Ion:168 Resp: 609245

Ion Ratio Lower Upper

168 100

99 58.6 46.6 70.0



#33

1,2-Dichloroethane-d4

Concen: 56.116 ug/l

RT: 4.937 min Scan# 1212

Delta R.T. -0.003 min

Lab File: VV039315.D

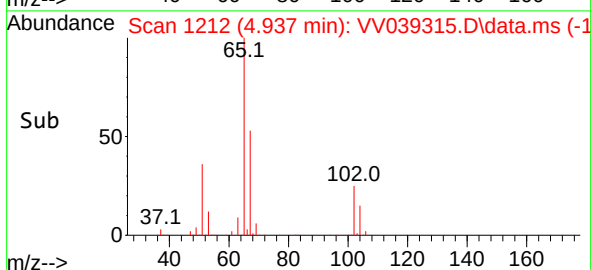
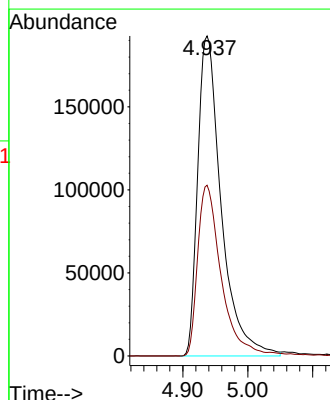
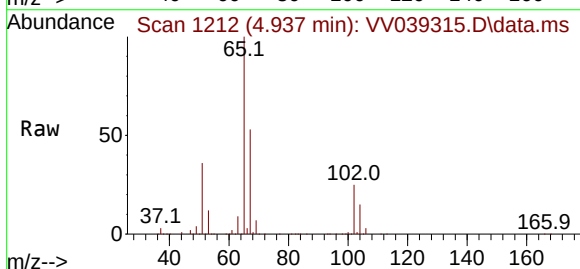
Acq: 04 Nov 2025 15:32

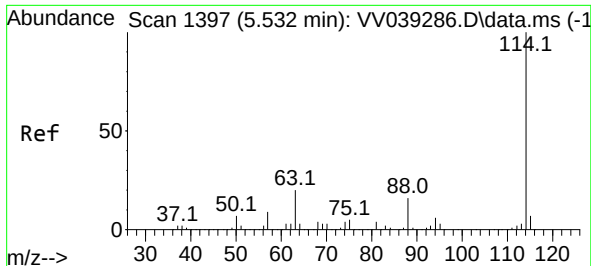
Tgt Ion: 65 Resp: 485797

Ion Ratio Lower Upper

65 100

67 52.8 0.0 108.4

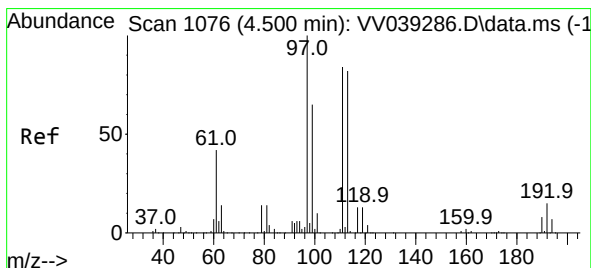
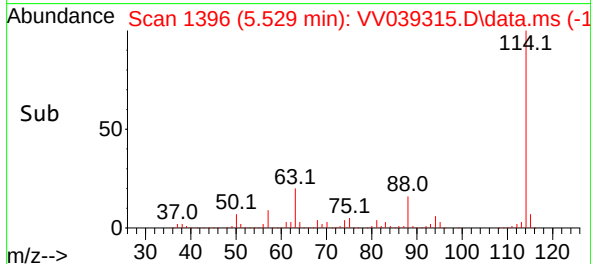
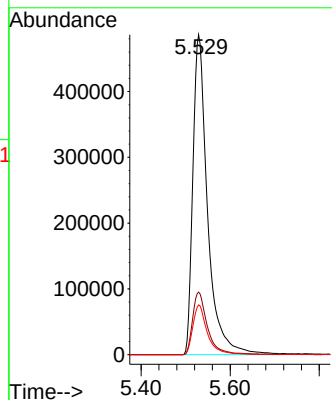
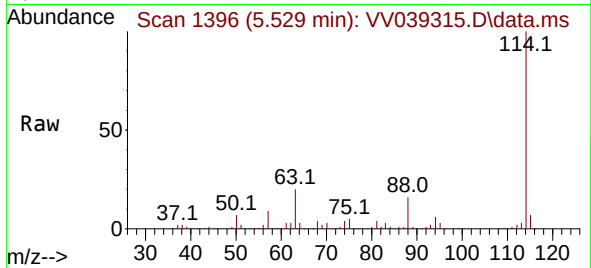




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.529 min Scan# 1117082
Delta R.T. -0.003 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

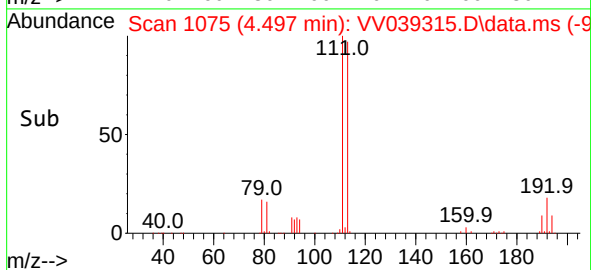
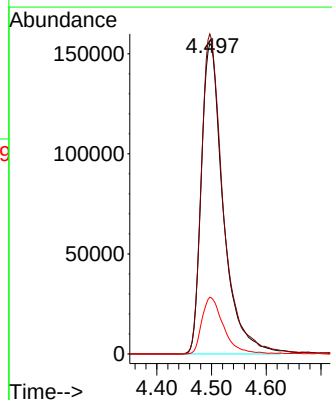
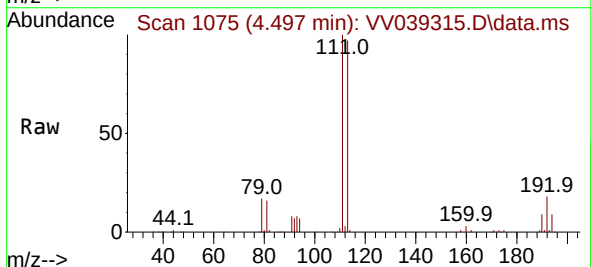
Instrument :
MSVOA_V
ClientSampleId :
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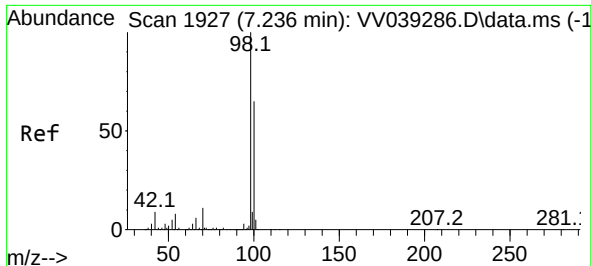
Tgt Ion:114 Resp: 1117082
Ion Ratio Lower Upper
114 100
63 19.6 0.0 39.6
88 15.5 0.0 31.6



#35
Dibromofluoromethane
Concen: 49.040 ug/l
RT: 4.497 min Scan# 1075
Delta R.T. -0.003 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

Tgt Ion:113 Resp: 431638
Ion Ratio Lower Upper
113 100
111 103.4 82.0 123.0
192 18.0 14.3 21.5

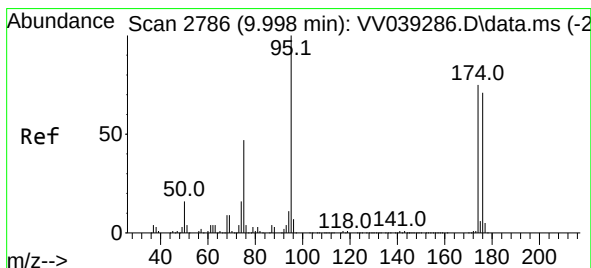
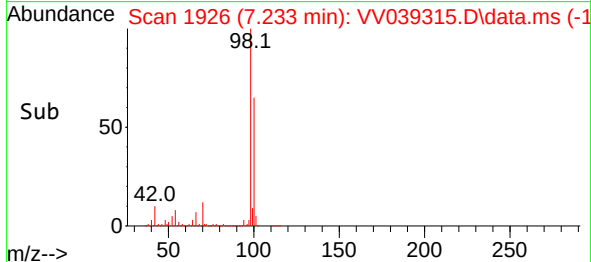
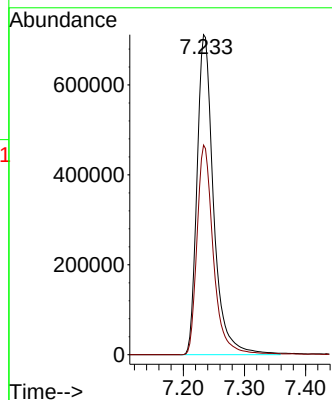
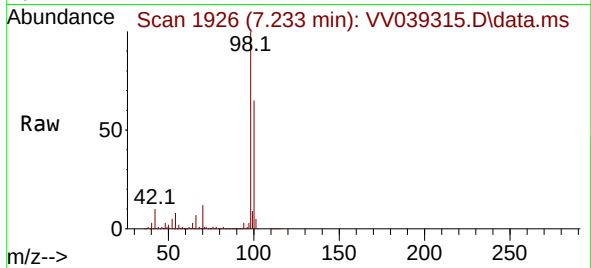




#50
Toluene-d8
Concen: 44.734 ug/l
RT: 7.233 min Scan# 1926
Delta R.T. -0.003 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

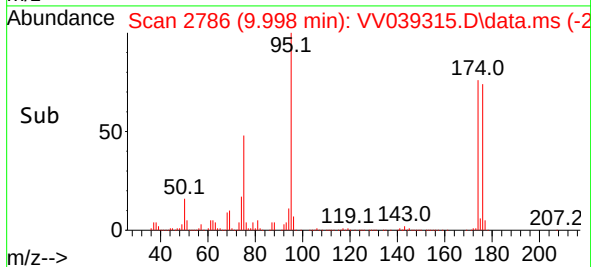
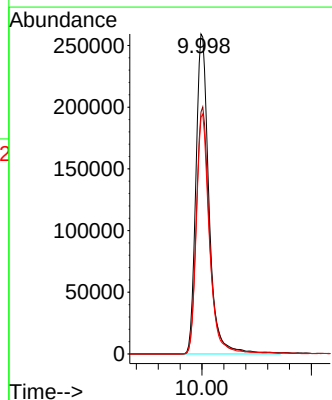
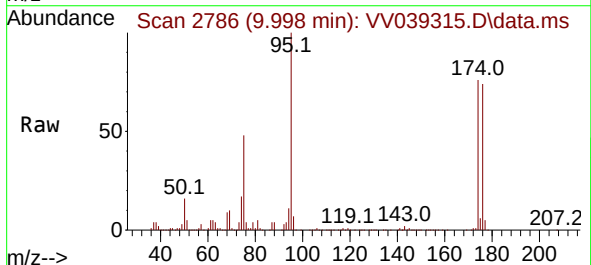
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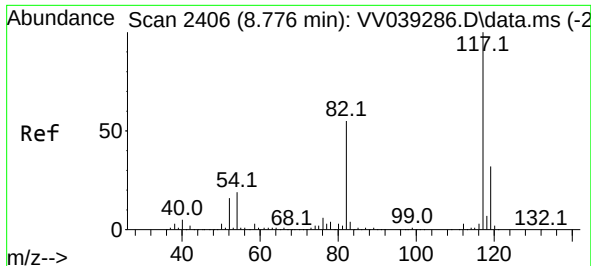
Tgt Ion: 98 Resp: 1339479
Ion Ratio Lower Upper
98 100
100 64.8 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 40.236 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

Tgt Ion: 95 Resp: 429077
Ion Ratio Lower Upper
95 100
174 78.5 0.0 153.6
176 74.8 0.0 146.0

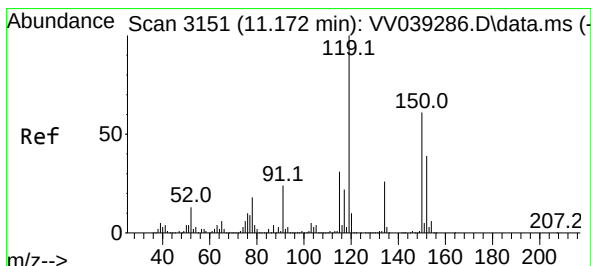
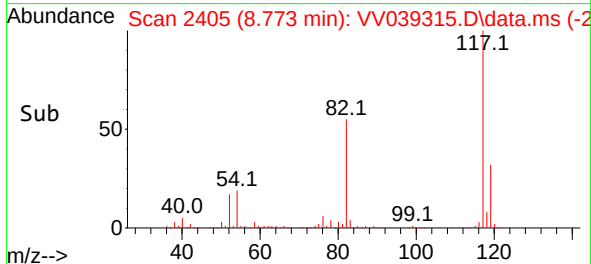
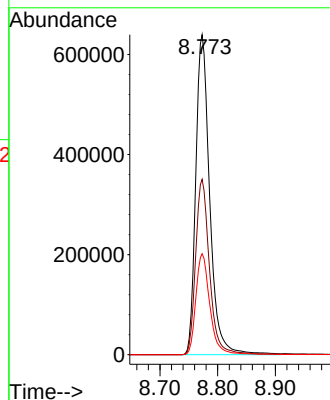
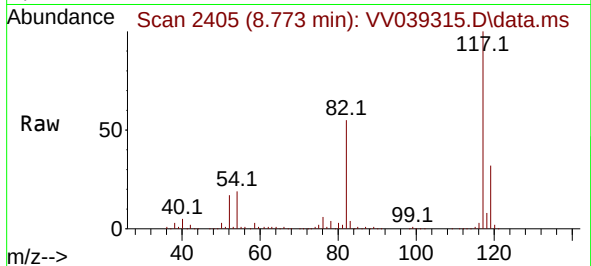




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2406
Delta R.T. -0.003 min
Lab File: VV039315.D
Acq: 04 Nov 2025 15:32

Instrument :
MSVOA_V
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1076528
Ion Ratio Lower Upper
117 100
82 54.8 43.8 65.8
119 31.6 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: VV039315.D
Acq: 04 Nov 2025 15:32

Tgt Ion:152 Resp: 478826
Ion Ratio Lower Upper
152 100
115 60.6 42.3 126.8
150 156.4 0.0 348.0

