

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100625\
 Data File : VV039271.D
 Acq On : 06 Oct 2025 14:19
 Operator : SY/MD
 Sample : Q3201-01DL 100X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW6DL

Quant Time: Oct 07 03:34:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

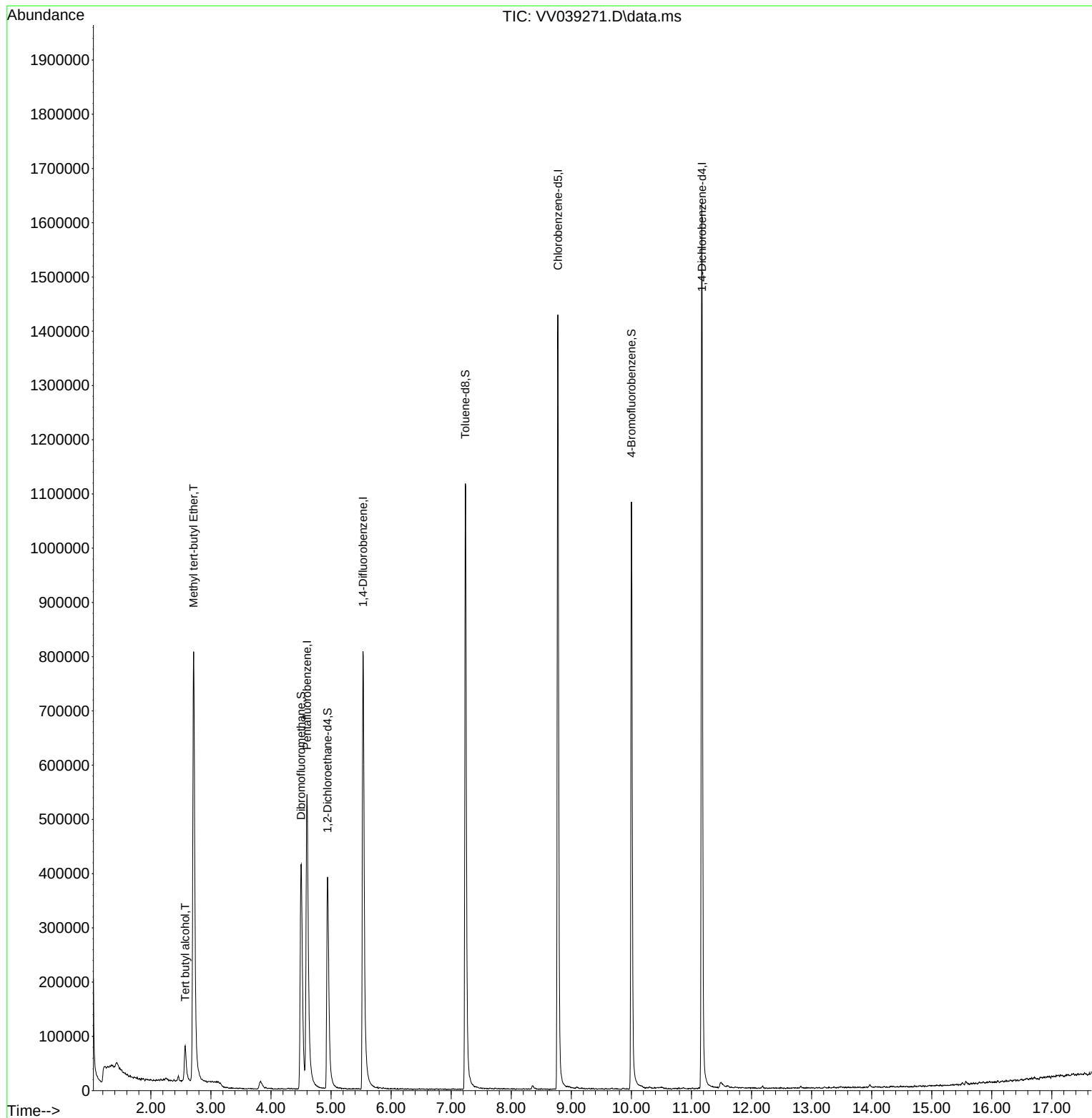
Internal Standards						
1) Pentafluorobenzene	4.600	168	477065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	810750	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	821368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	441845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	354921	51.404	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 102.800%	
35) Dibromofluoromethane	4.503	113	354025	54.317	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 108.640%	
50) Toluene-d8	7.236	98	818283	42.746	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 85.500%#	
62) 4-Bromofluorobenzene	10.001	95	376058	47.720	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 95.440%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.571	59	82225	56.346	ug/l	97
19) Methyl tert-butyl Ether	2.712	73	944490	41.207	ug/l	99

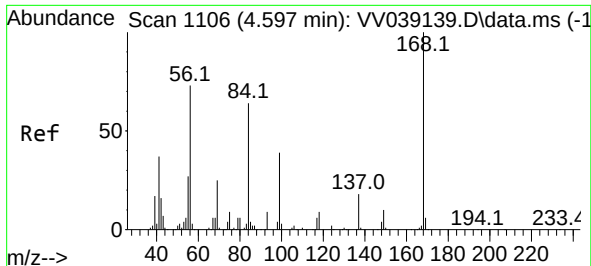
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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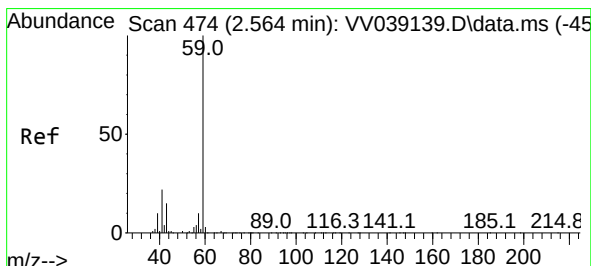
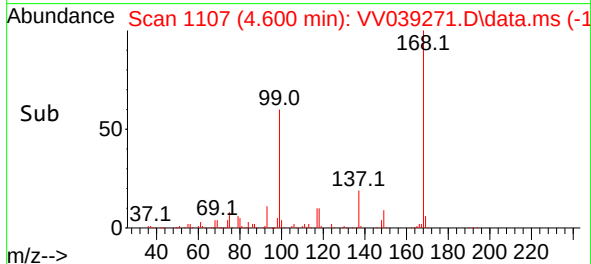
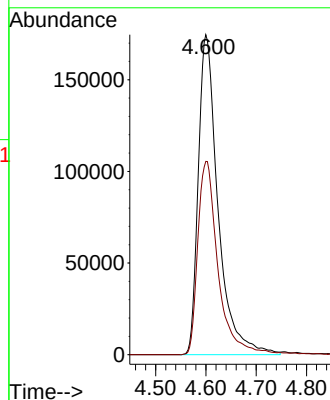
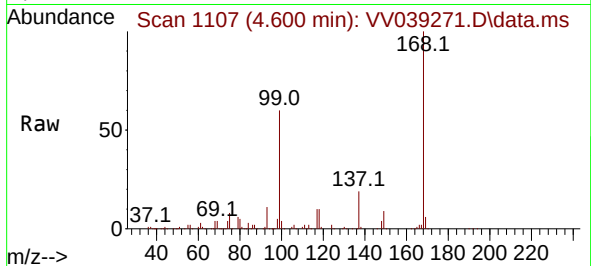




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VV039271.D
Acq: 06 Oct 2025 14:19

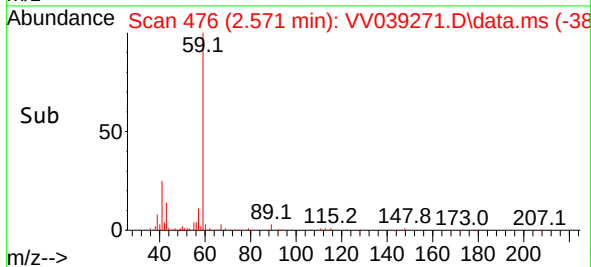
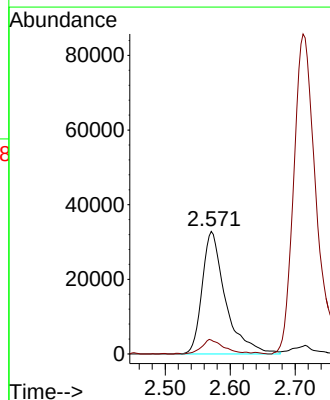
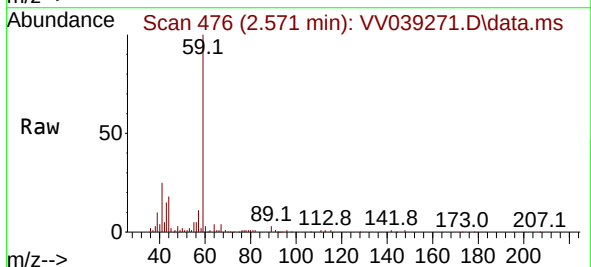
Instrument :
MSVOA_V
ClientSampleId :
MW6DL

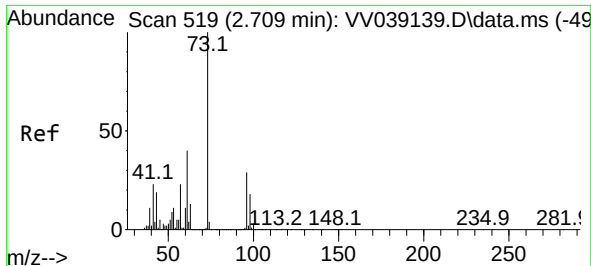
Tgt Ion:168 Resp: 477065
Ion Ratio Lower Upper
168 100
99 60.4 49.6 74.4



#11
Tert butyl alcohol
Concen: 56.346 ug/l
RT: 2.571 min Scan# 476
Delta R.T. 0.006 min
Lab File: VV039271.D
Acq: 06 Oct 2025 14:19

Tgt Ion: 59 Resp: 82225
Ion Ratio Lower Upper
59 100
57 10.8 7.8 11.8

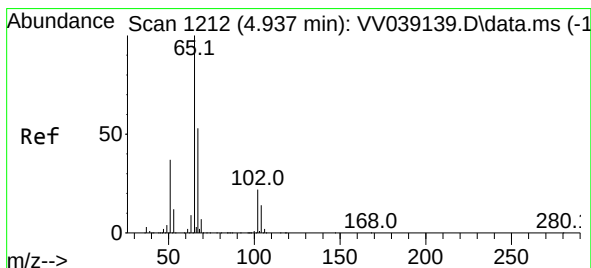
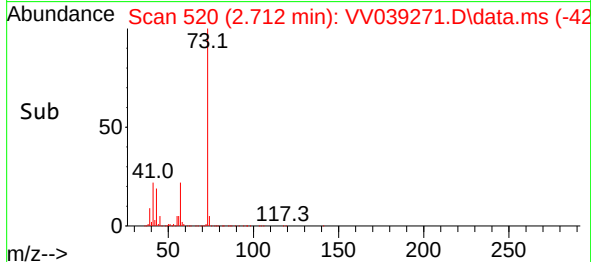
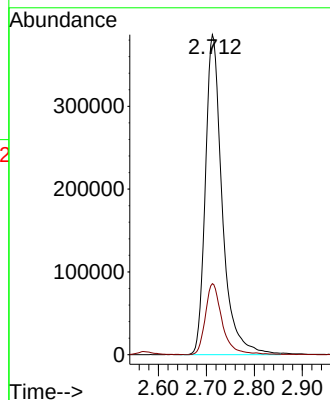
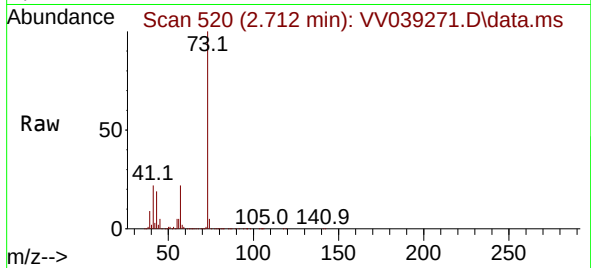




#19
Methyl tert-butyl Ether
Concen: 41.207 ug/l
RT: 2.712 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV039271.D
Acq: 06 Oct 2025 14:19

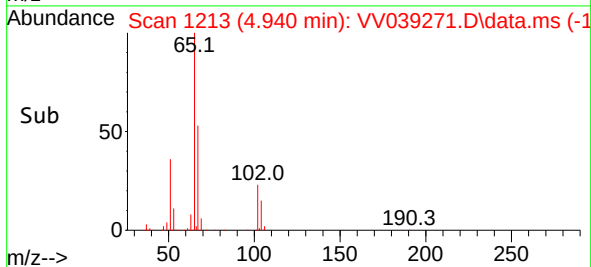
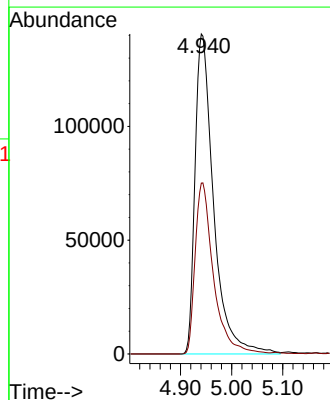
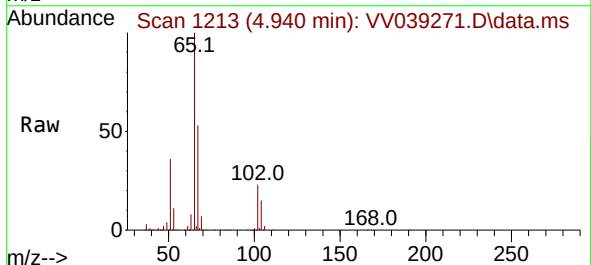
Instrument :
MSVOA_V
ClientSampleId :
MW6DL

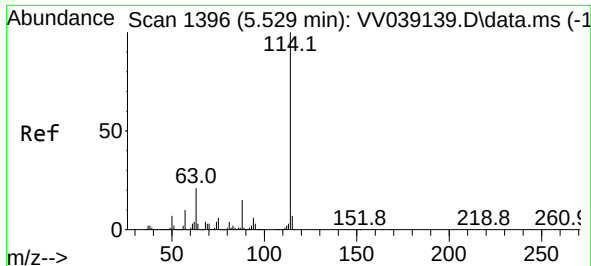
Tgt Ion: 73 Resp: 944490
Ion Ratio Lower Upper
73 100
57 22.1 18.2 27.4



#33
1,2-Dichloroethane-d4
Concen: 51.404 ug/l
RT: 4.940 min Scan# 1213
Delta R.T. 0.003 min
Lab File: VV039271.D
Acq: 06 Oct 2025 14:19

Tgt Ion: 65 Resp: 354921
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV039271.D

Acq: 06 Oct 2025 14:19

Instrument :

MSVOA_V

ClientSampleId :

MW6DL

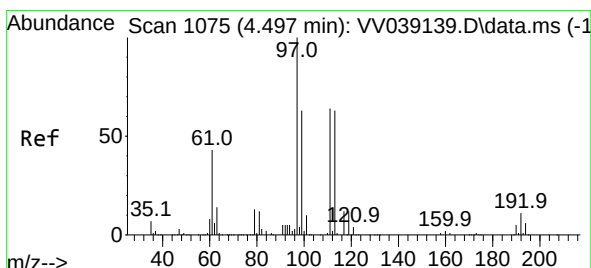
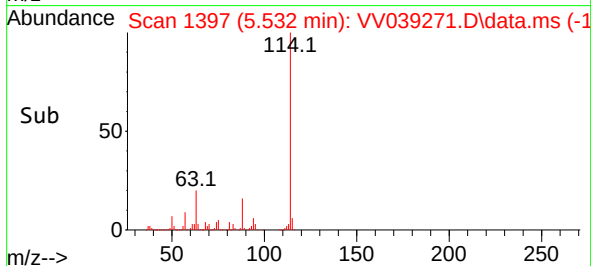
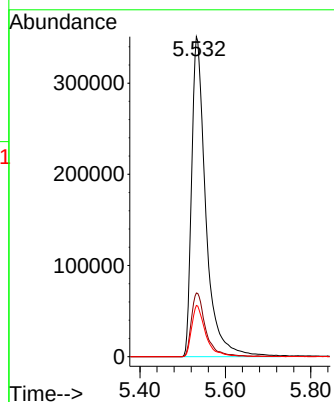
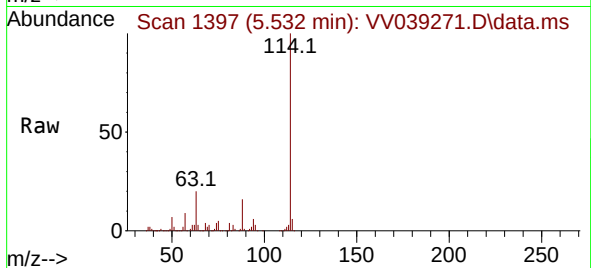
Tgt Ion:114 Resp: 810750

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

88 16.0 0.0 30.8



#35

Dibromofluoromethane

Concen: 54.317 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV039271.D

Acq: 06 Oct 2025 14:19

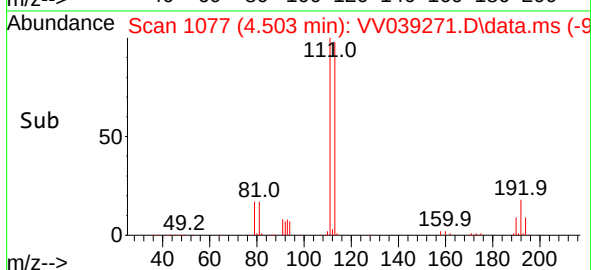
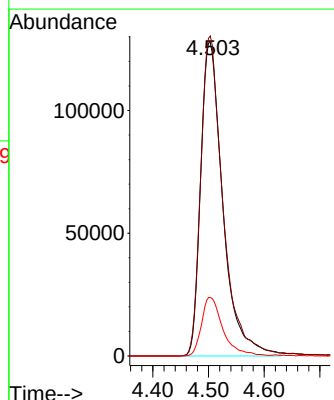
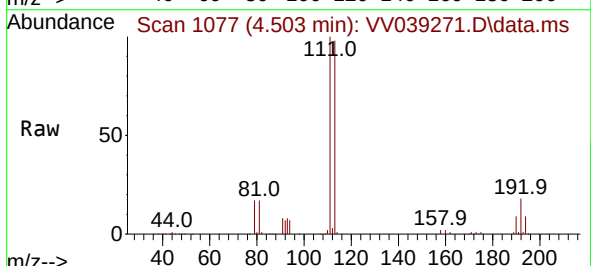
Tgt Ion:113 Resp: 354025

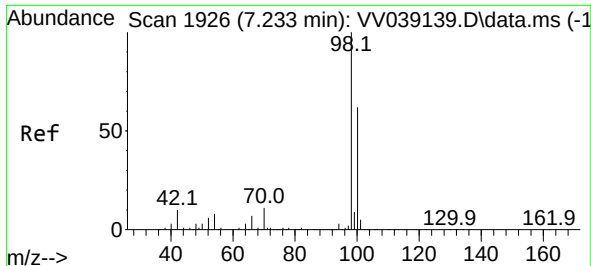
Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

192 18.0 13.8 20.8

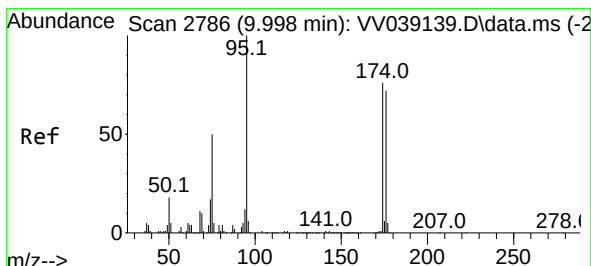
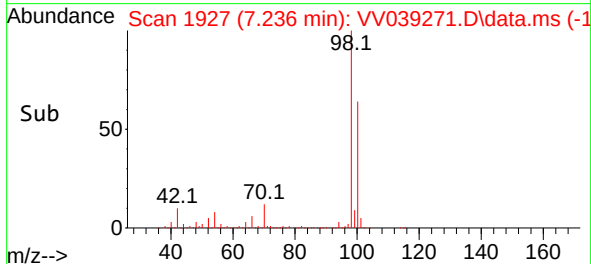
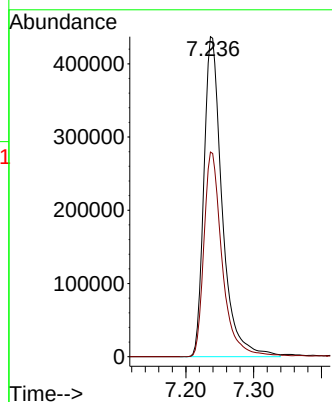
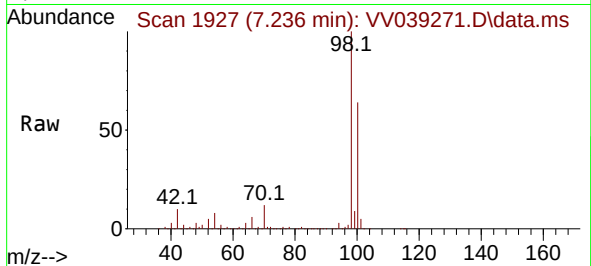




#50
Toluene-d8
Concen: 42.746 ug/l
RT: 7.236 min Scan# 1926
Delta R.T. 0.003 min
Lab File: VV039271.D
Acq: 06 Oct 2025 14:19

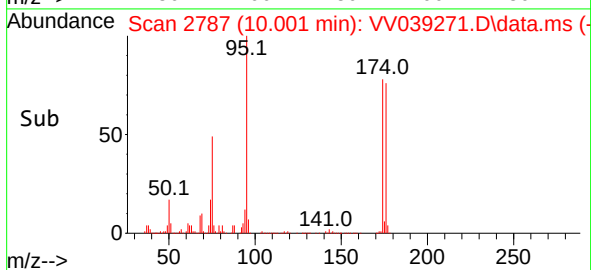
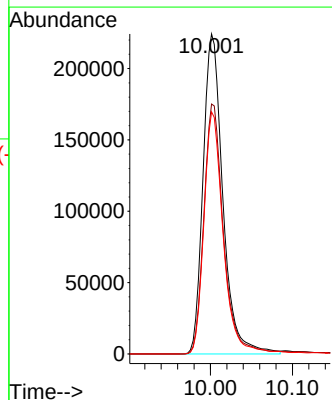
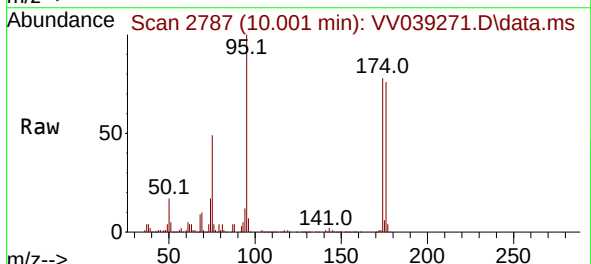
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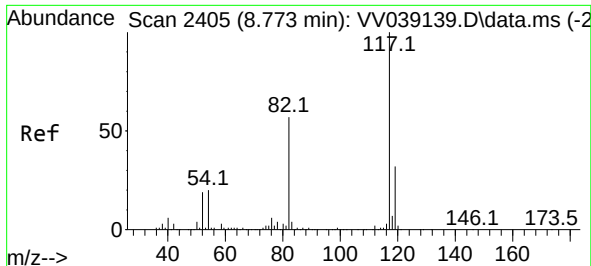
Tgt Ion: 98 Resp: 818283
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 47.720 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039271.D
Acq: 06 Oct 2025 14:19

Tgt Ion: 95 Resp: 376058
Ion Ratio Lower Upper
95 100
174 77.8 0.0 150.4
176 74.1 0.0 144.2

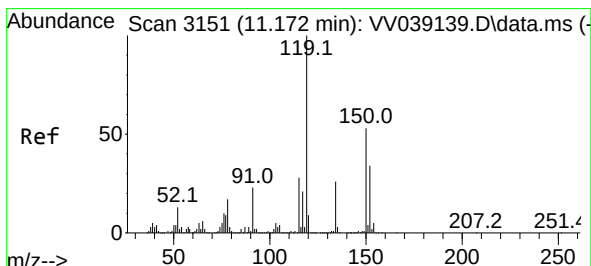
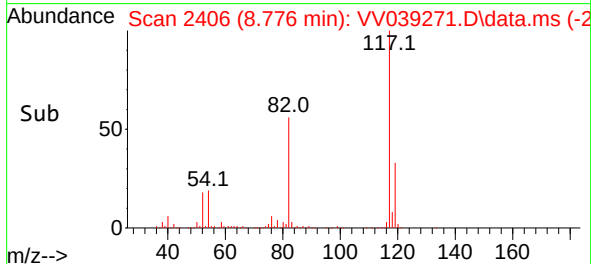
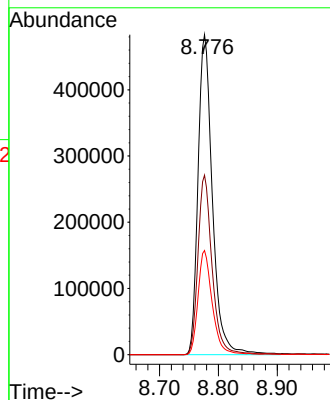
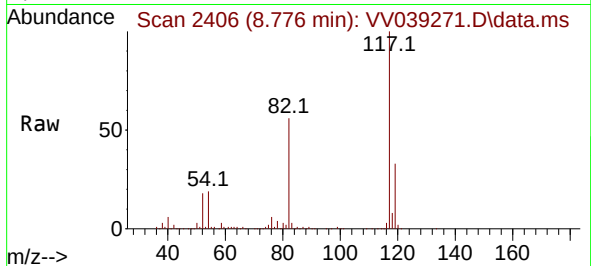




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039271.D
Acq: 06 Oct 2025 14:19

Instrument :
MSVOA_V
ClientSampleId :
MW6DL

Tgt Ion:117 Resp: 821368
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.2
119 32.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV039271.D
Acq: 06 Oct 2025 14:19

Tgt Ion:152 Resp: 441845
Ion Ratio Lower Upper
152 100
115 60.8 44.8 134.4
150 156.9 0.0 353.8

