

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092925\
 Data File : VV039236.D
 Acq On : 29 Sep 2025 16:53
 Operator : SY/MD
 Sample : Q3231-16
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 WC-4

Quant Time: Sep 30 01:28:50 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)

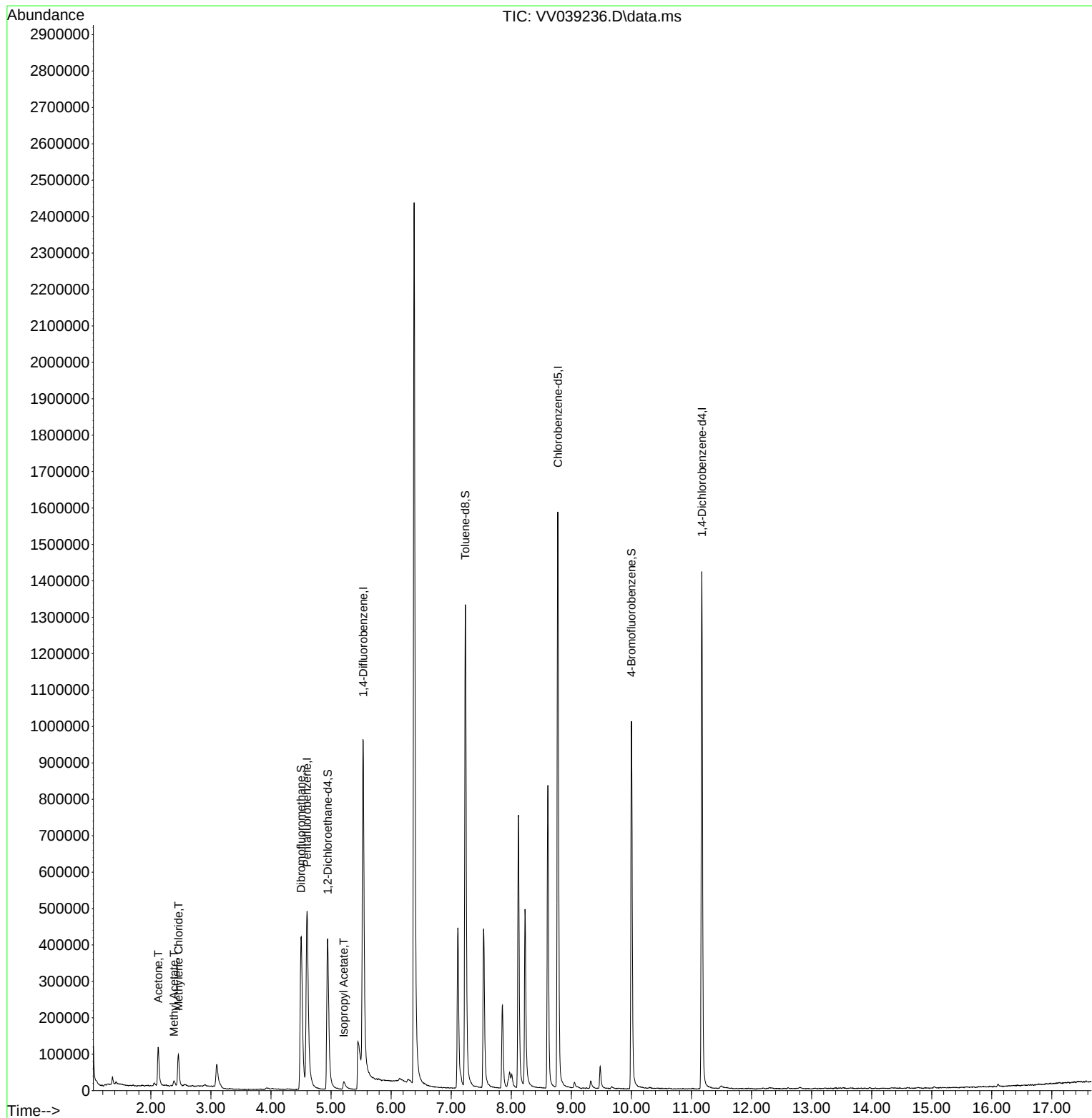
Internal Standards						
1) Pentafluorobenzene	4.600	168	421100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	839716	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	896203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	377074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	369582	60.641	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 121.280%#	
35) Dibromofluoromethane	4.500	113	351028	51.999	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 104.000%	
50) Toluene-d8	7.236	98	944338	47.630	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 95.260%	
62) 4-Bromofluorobenzene	10.001	95	347955	42.631	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 85.260%	
Target Compounds						
16) Acetone	2.124	43	135663	30.285	ug/l	Qvalue 97
18) Methyl Acetate	2.384	43	19386	2.147	ug/l #	86
20) Methylene Chloride	2.462	84	43965	4.805	ug/l	87
43) Isopropyl Acetate	5.211	43	31524	1.867	ug/l	97

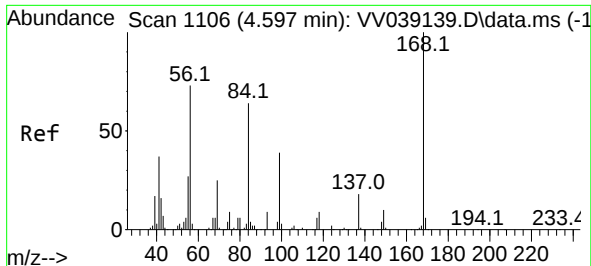
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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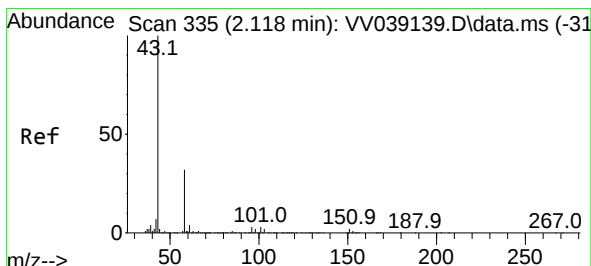
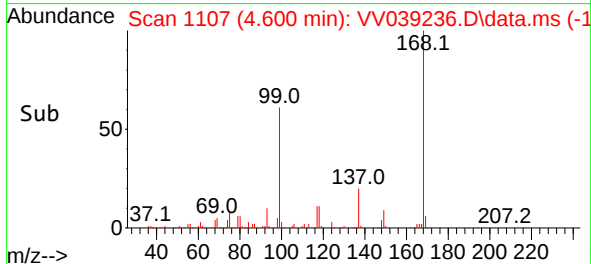
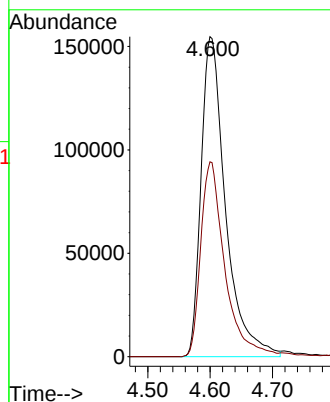
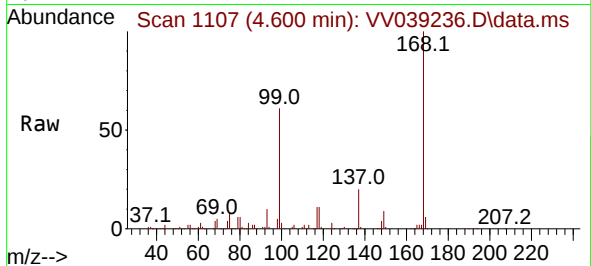




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VV039236.D
Acq: 29 Sep 2025 16:53

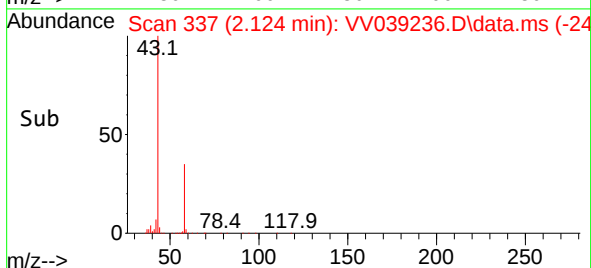
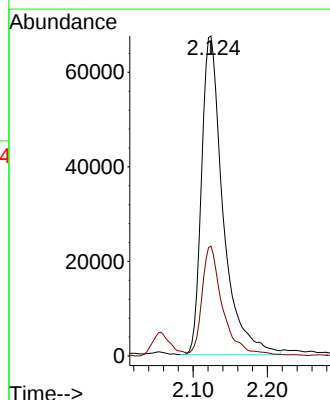
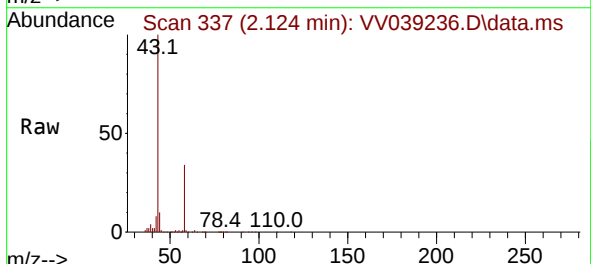
Instrument :
MSVOA_V
ClientSampleId :
WC-4

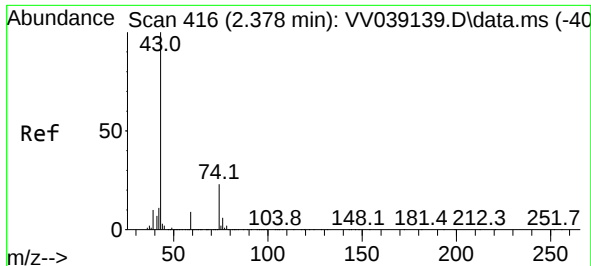
Tgt Ion:168 Resp: 421100
Ion Ratio Lower Upper
168 100
99 60.9 49.6 74.4



#16
Acetone
Concen: 30.285 ug/l
RT: 2.124 min Scan# 337
Delta R.T. 0.006 min
Lab File: VV039236.D
Acq: 29 Sep 2025 16:53

Tgt Ion: 43 Resp: 135663
Ion Ratio Lower Upper
43 100
58 34.0 25.8 38.6

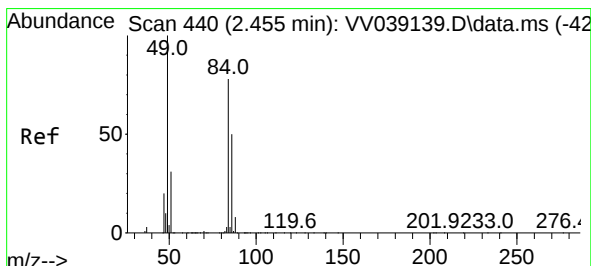
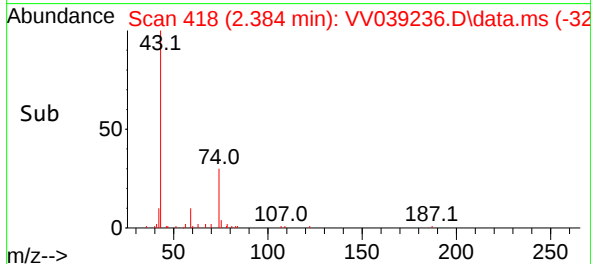
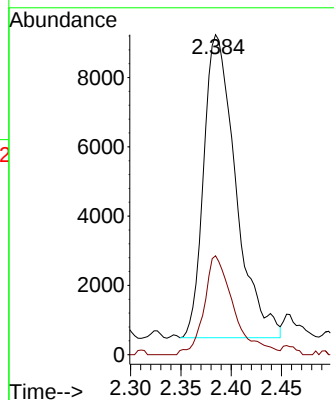
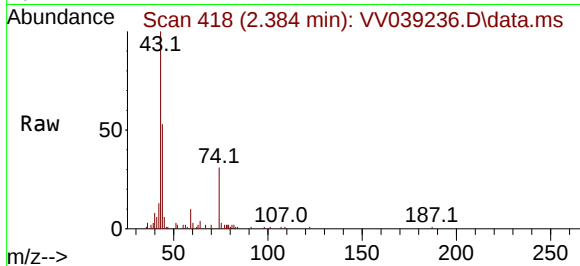




#18
Methyl Acetate
Concen: 2.147 ug/l
RT: 2.384 min Scan# 416
Delta R.T. 0.006 min
Lab File: VV039236.D
Acq: 29 Sep 2025 16:53

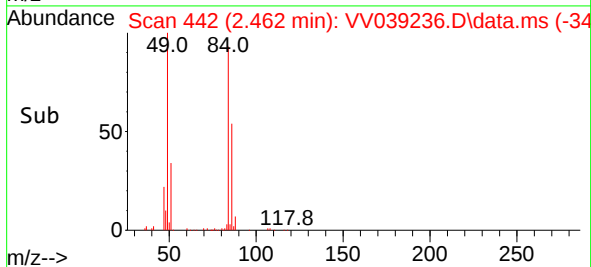
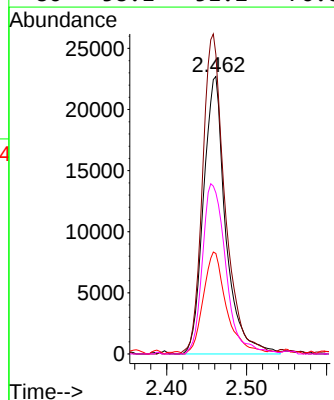
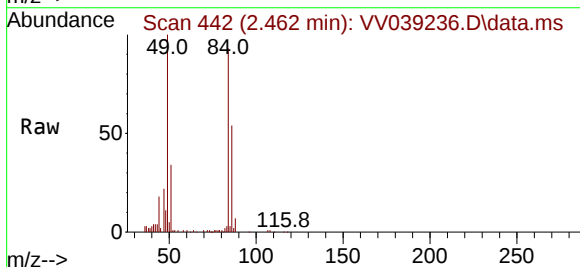
Instrument :
MSVOA_V
ClientSampleId :
WC-4

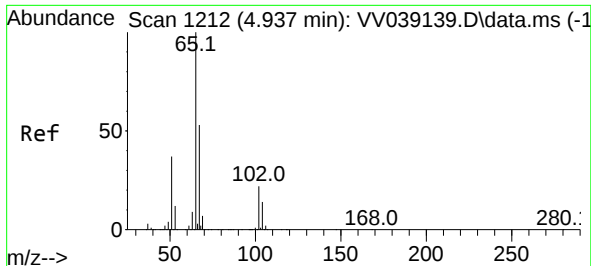
Tgt Ion: 43 Resp: 19386
Ion Ratio Lower Upper
43 100
74 30.2 18.6 27.8#



#20
Methylene Chloride
Concen: 4.805 ug/l
RT: 2.462 min Scan# 442
Delta R.T. 0.007 min
Lab File: VV039236.D
Acq: 29 Sep 2025 16:53

Tgt Ion: 84 Resp: 43965
Ion Ratio Lower Upper
84 100
49 107.9 102.8 154.2
51 35.6 31.9 47.9
86 58.1 51.2 76.8





#33

1,2-Dichloroethane-d4

Concen: 60.641 ug/l

RT: 4.944 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV039236.D

Acq: 29 Sep 2025 16:53

Instrument :

MSVOA_V

ClientSampleId :

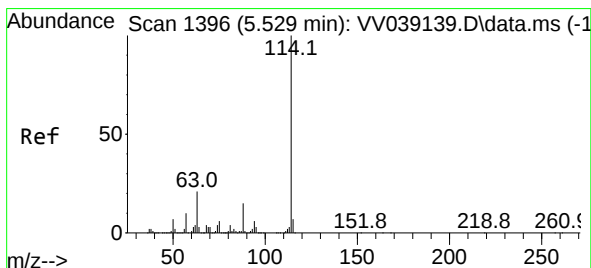
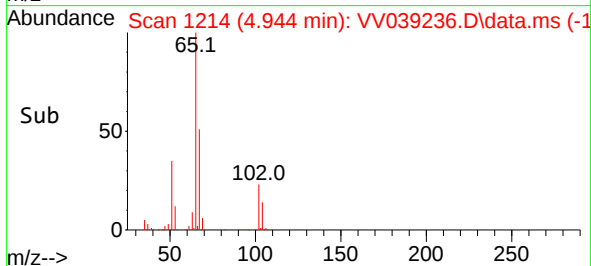
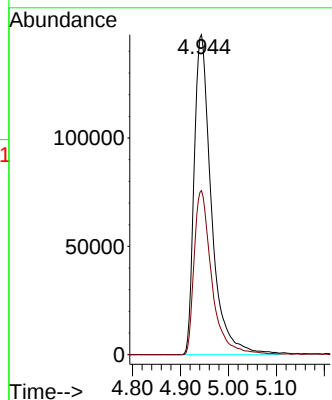
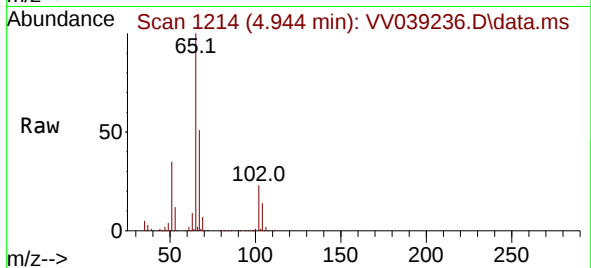
WC-4

Tgt Ion: 65 Resp: 369582

Ion Ratio Lower Upper

65 100

67 52.3 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VV039236.D

Acq: 29 Sep 2025 16:53

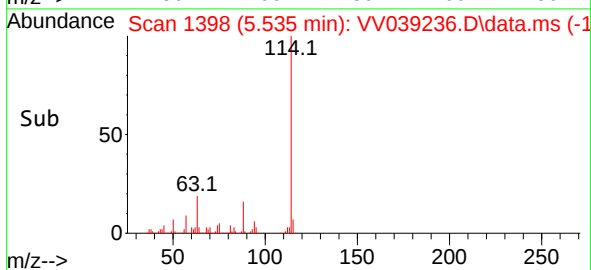
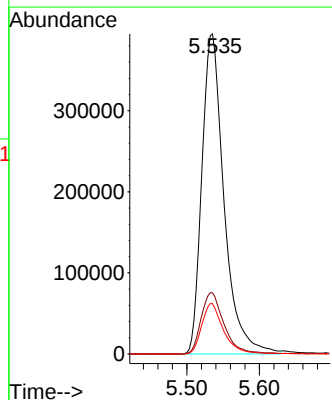
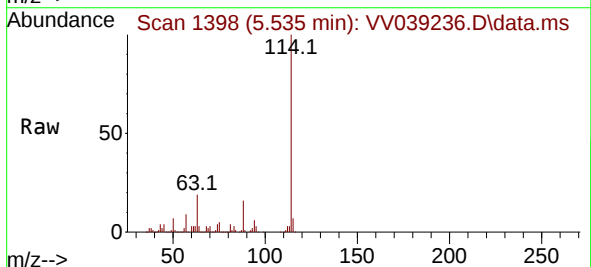
Tgt Ion: 114 Resp: 839716

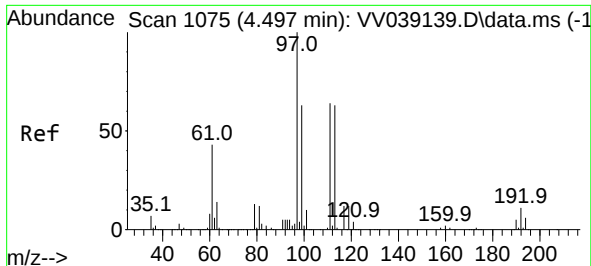
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.6

88 15.7 0.0 30.8

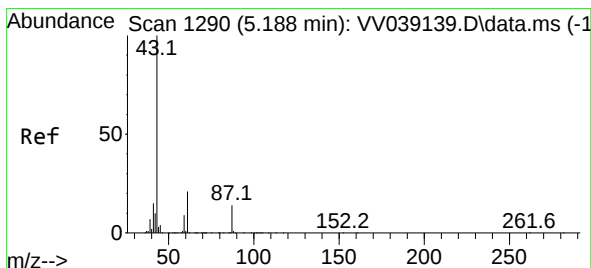
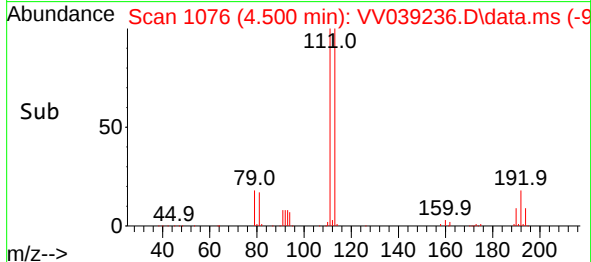
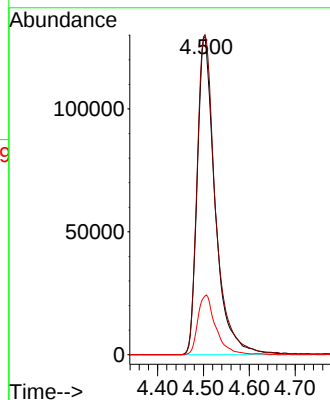
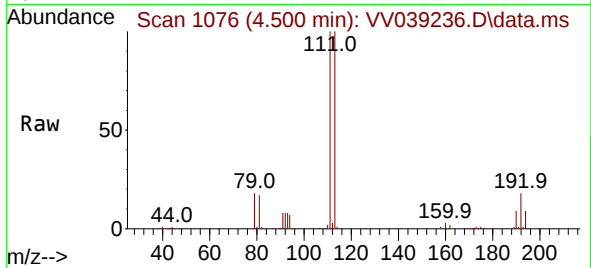




#35
Dibromofluoromethane
Concen: 51.999 ug/l
RT: 4.500 min Scan# 113
Delta R.T. 0.003 min
Lab File: VV039236.D
Acq: 29 Sep 2025 16:53

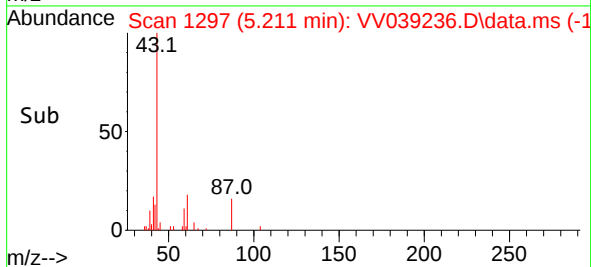
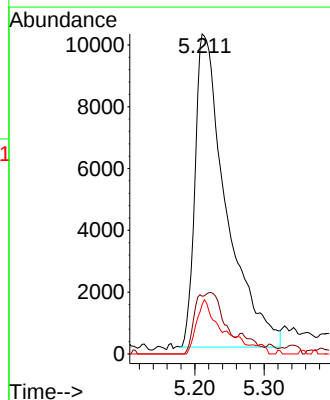
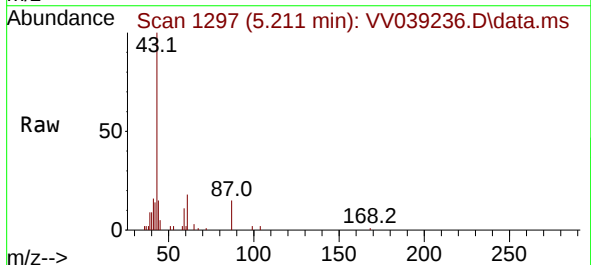
Instrument :
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ClientSampleId :
WC-4

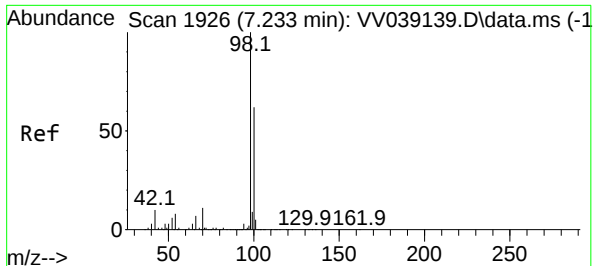
Tgt Ion:113 Resp: 351028
Ion Ratio Lower Upper
113 100
111 102.6 82.4 123.6
192 18.7 13.8 20.8



#43
Isopropyl Acetate
Concen: 1.867 ug/l
RT: 5.211 min Scan# 1297
Delta R.T. 0.022 min
Lab File: VV039236.D
Acq: 29 Sep 2025 16:53

Tgt Ion: 43 Resp: 31524
Ion Ratio Lower Upper
43 100
61 18.0 15.9 23.9
87 14.6 11.0 16.6

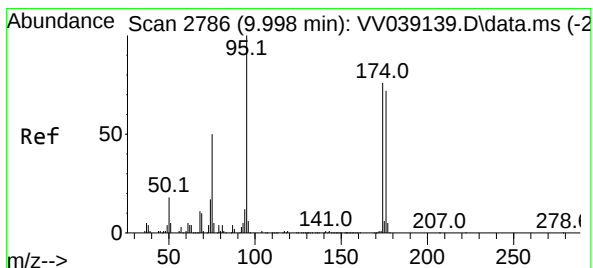
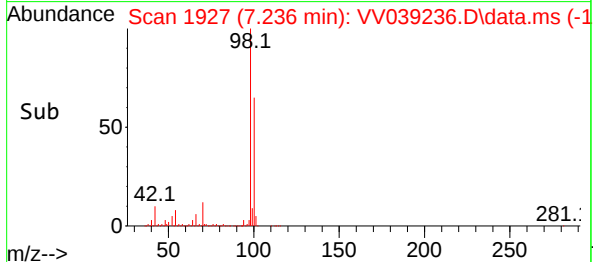
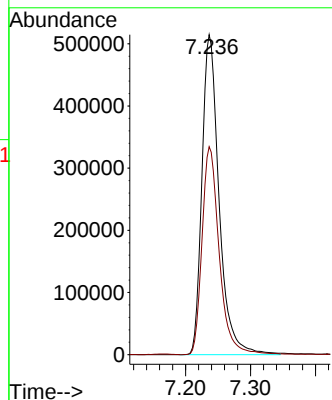
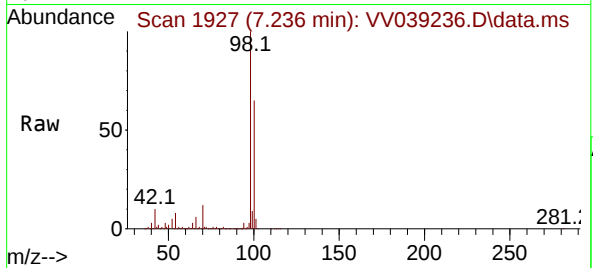




#50
Toluene-d8
Concen: 47.630 ug/l
RT: 7.236 min Scan# 1926
Delta R.T. 0.003 min
Lab File: VV039236.D
Acq: 29 Sep 2025 16:53

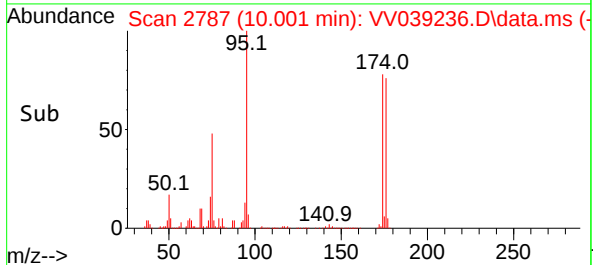
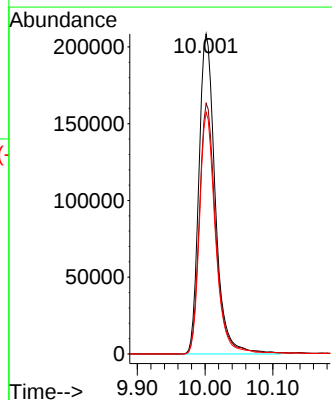
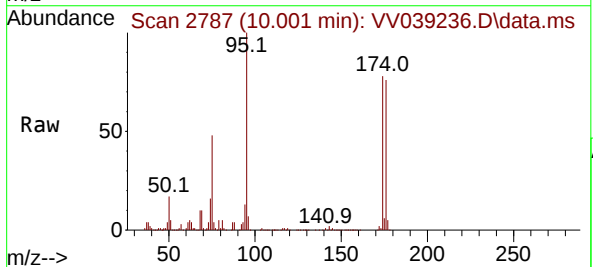
Instrument :
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WC-4

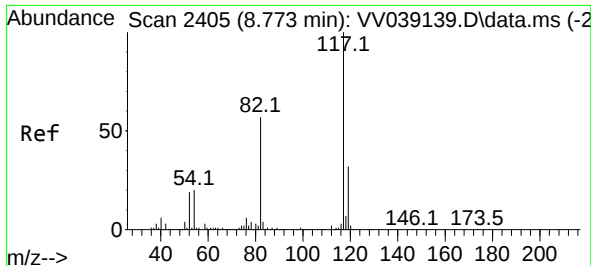
Tgt Ion: 98 Resp: 944338
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 42.631 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039236.D
Acq: 29 Sep 2025 16:53

Tgt Ion: 95 Resp: 347955
Ion Ratio Lower Upper
95 100
174 78.5 0.0 150.4
176 73.7 0.0 144.2

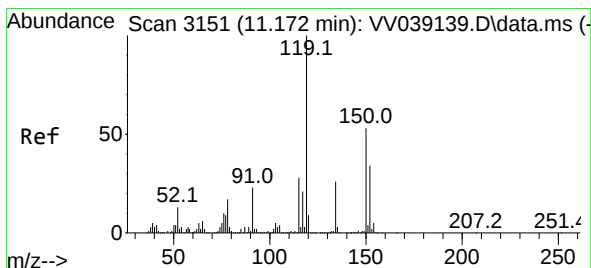
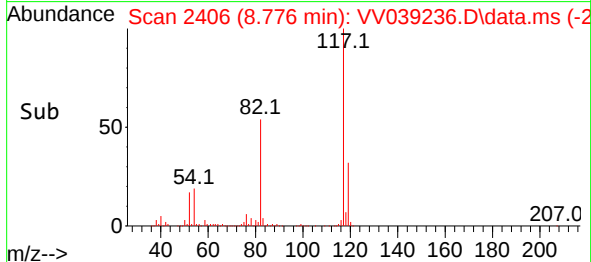
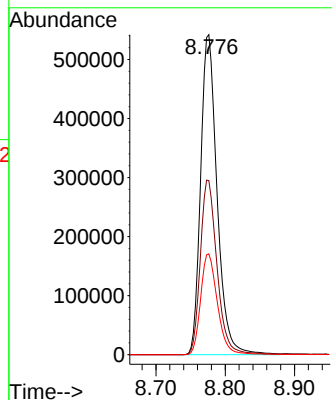
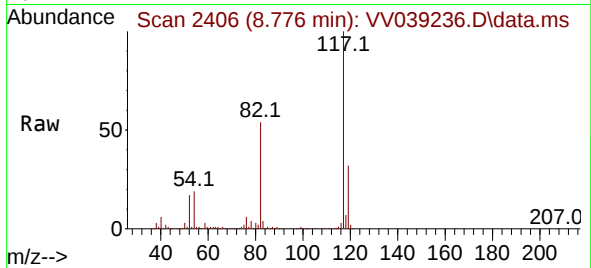




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039236.D
Acq: 29 Sep 2025 16:53

Instrument :
MSVOA_V
ClientSampleId :
WC-4

Tgt Ion:117 Resp: 896203
Ion Ratio Lower Upper
117 100
82 54.4 45.4 68.2
119 31.5 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: VV039236.D
Acq: 29 Sep 2025 16:53

Tgt Ion:152 Resp: 377074
Ion Ratio Lower Upper
152 100
115 61.3 44.8 134.4
150 158.6 0.0 353.8

