

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
 Data File : VV039162.D
 Acq On : 24 Sep 2025 18:52
 Operator : SY/MD
 Sample : Q3164-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DA-3

Quant Time: Sep 25 08:22:22 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)

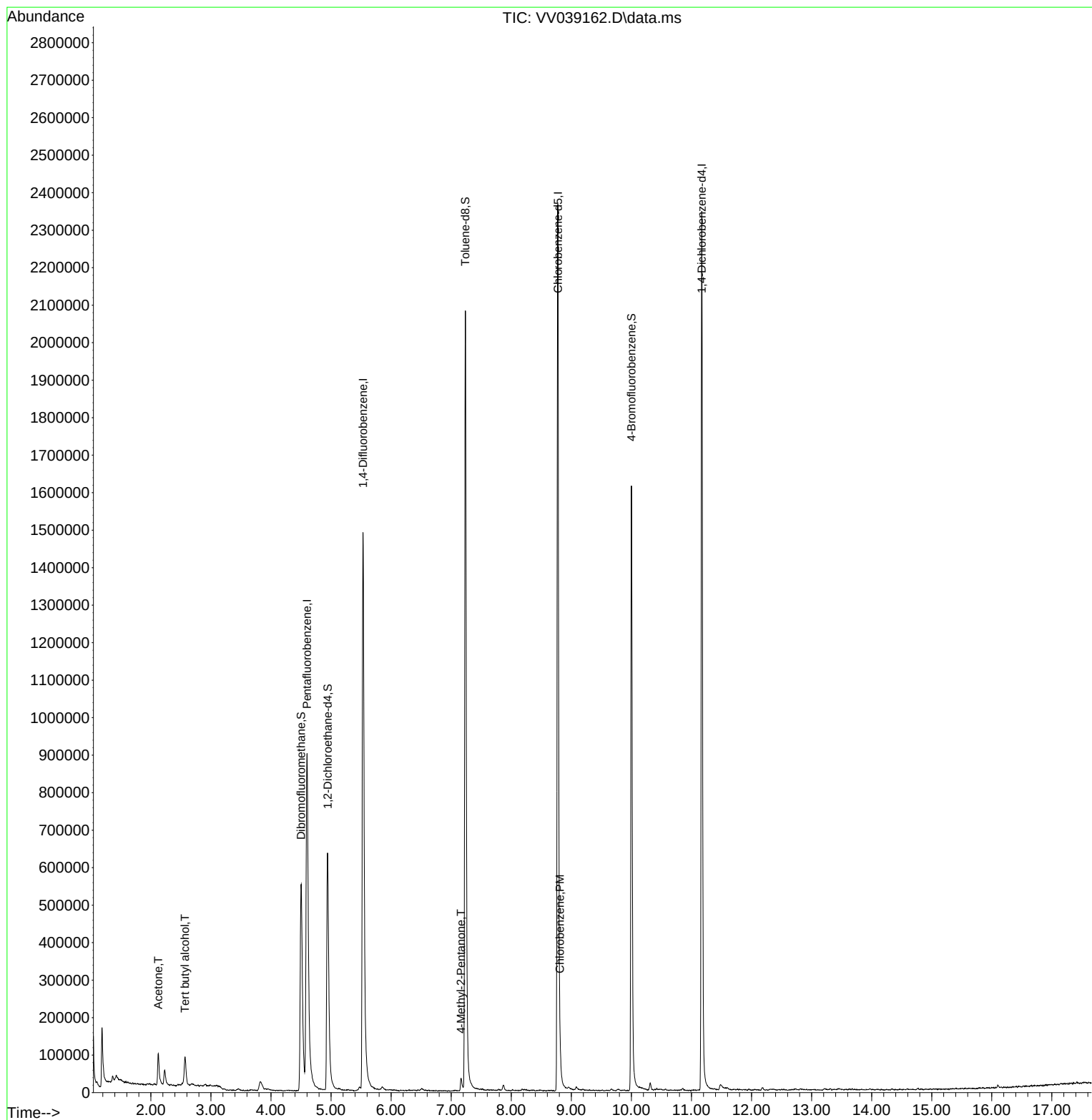
Internal Standards						
1) Pentafluorobenzene	4.600	168	755839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1427337	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1322483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	607726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	559230	51.121	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	102.240%
35) Dibromofluoromethane	4.503	113	458688	39.974	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	79.940%#
50) Toluene-d8	7.236	98	1484627	44.053	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	88.100%#
62) 4-Bromofluorobenzene	10.001	95	549383	39.599	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	79.200%#
Target Compounds						
11) Tert butyl alcohol	2.568	59	53242	23.028	ug/l	Qvalue # 90
16) Acetone	2.124	43	107662	10.872	ug/l	96
51) 4-Methyl-2-Pentanone	7.162	43	24286	1.286	ug/l	92
65) Chlorobenzene	8.808	112	45385	1.232	ug/l	100

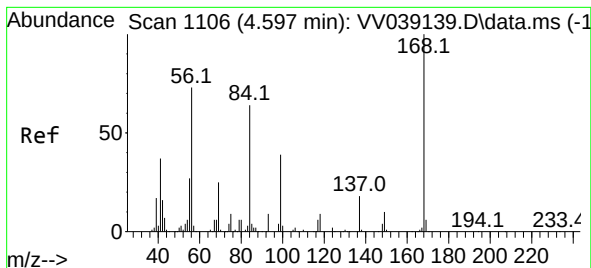
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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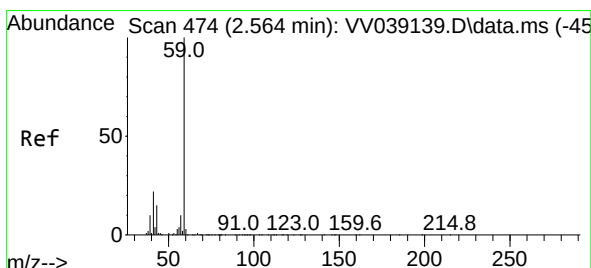
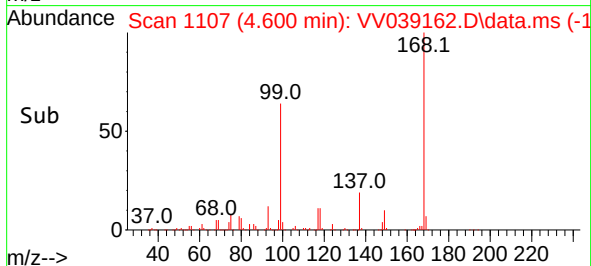
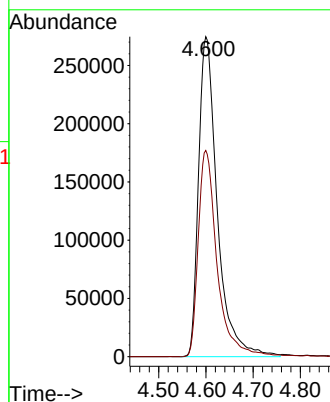
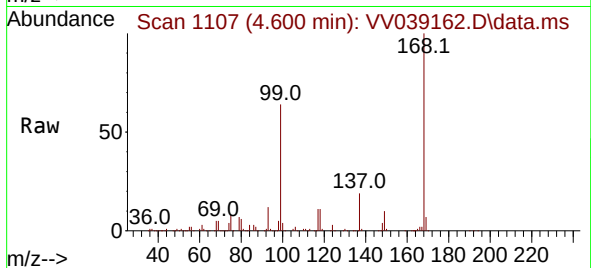




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VV039162.D
Acq: 24 Sep 2025 18:52

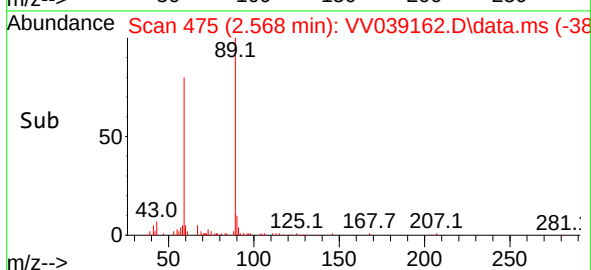
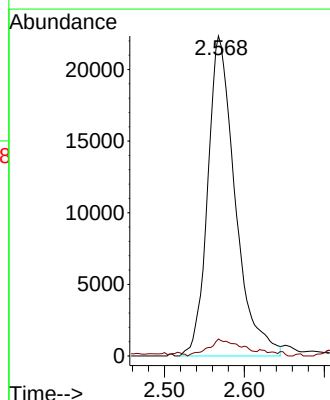
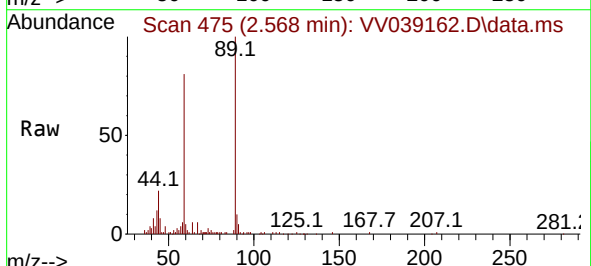
Instrument :
MSVOA_V
ClientSampleId :
DA-3

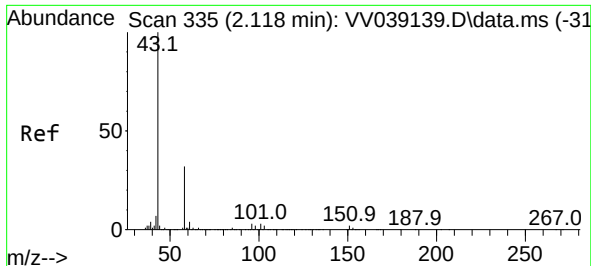
Tgt Ion:168 Resp: 755839
Ion Ratio Lower Upper
168 100
99 64.4 49.6 74.4



#11
Tert butyl alcohol
Concen: 23.028 ug/l
RT: 2.568 min Scan# 475
Delta R.T. 0.003 min
Lab File: VV039162.D
Acq: 24 Sep 2025 18:52

Tgt Ion: 59 Resp: 53242
Ion Ratio Lower Upper
59 100
57 6.0 7.8 11.8#

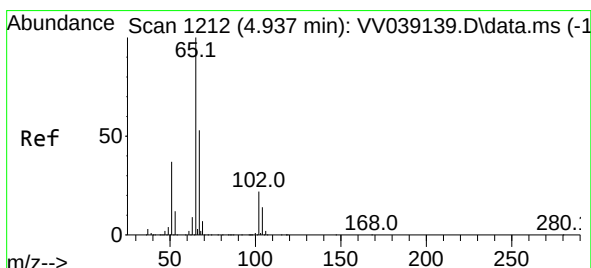
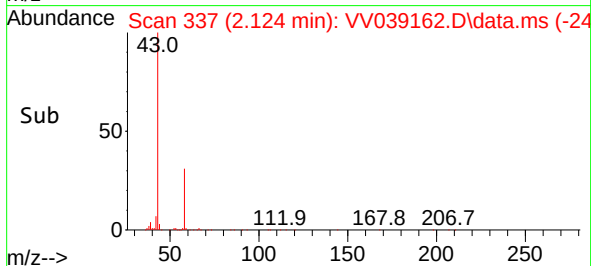
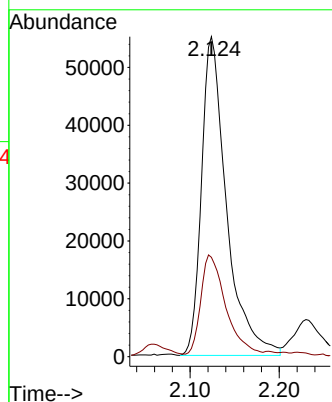
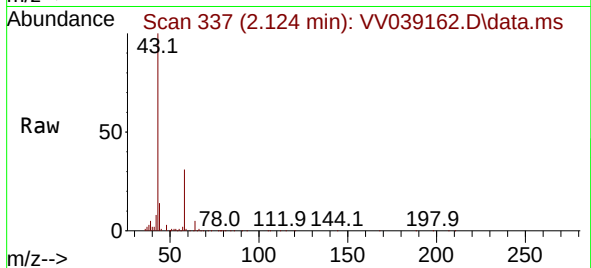




#16
Acetone
Concen: 10.872 ug/l
RT: 2.124 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV039162.D
Acq: 24 Sep 2025 18:52

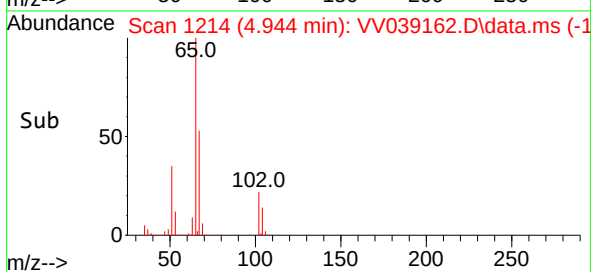
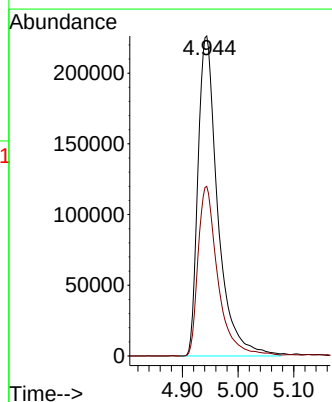
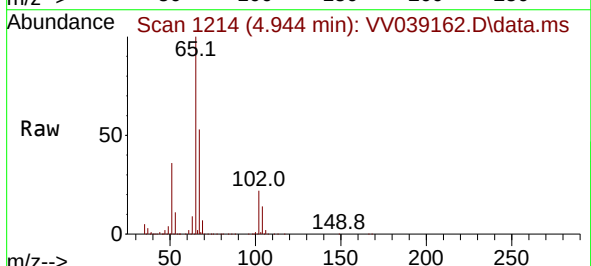
Instrument :
MSVOA_V
ClientSampleId :
DA-3

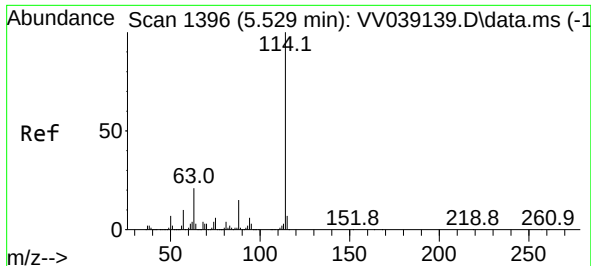
Tgt Ion: 43 Resp: 107662
Ion Ratio Lower Upper
43 100
58 30.2 25.8 38.6



#33
1,2-Dichloroethane-d4
Concen: 51.121 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VV039162.D
Acq: 24 Sep 2025 18:52

Tgt Ion: 65 Resp: 559230
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 114

Delta R.T. 0.003 min

Lab File: VV039162.D

Acq: 24 Sep 2025 18:52

Instrument :

MSVOA_V

ClientSampleId :

DA-3

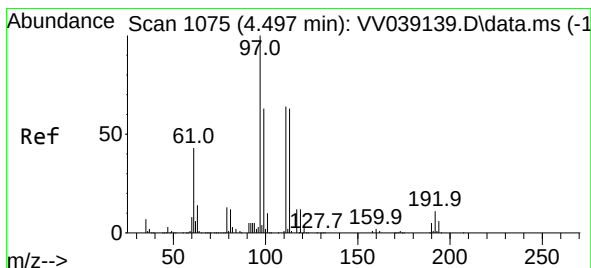
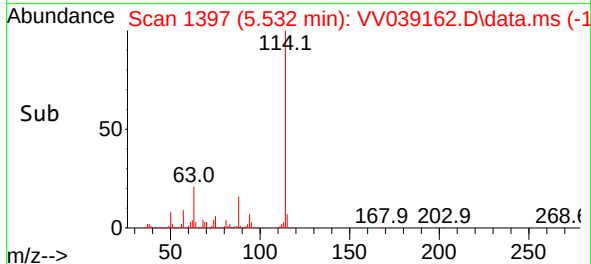
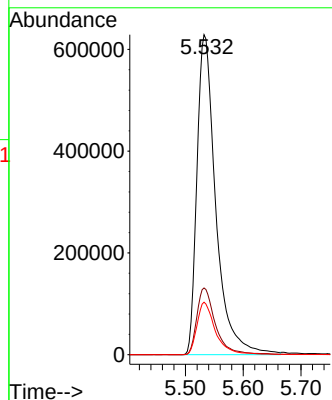
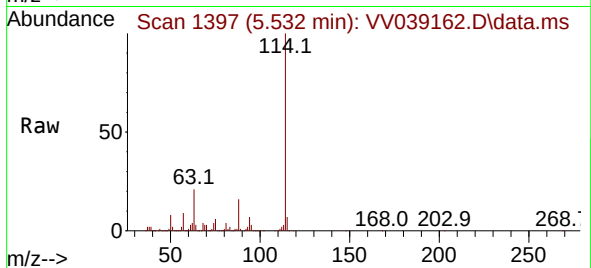
Tgt Ion:114 Resp: 1427337

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

88 16.4 0.0 30.8



#35

Dibromofluoromethane

Concen: 39.974 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV039162.D

Acq: 24 Sep 2025 18:52

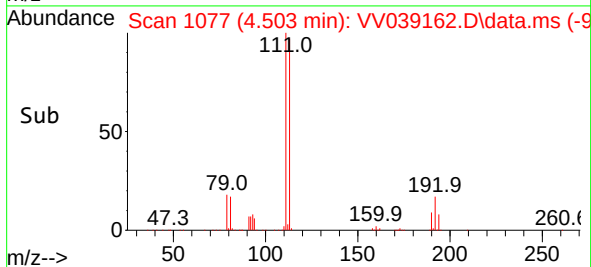
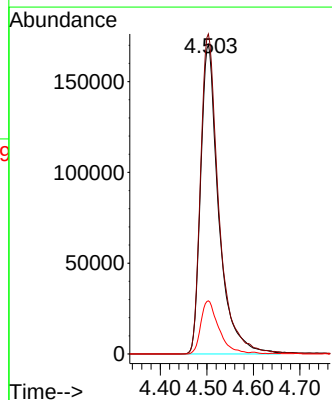
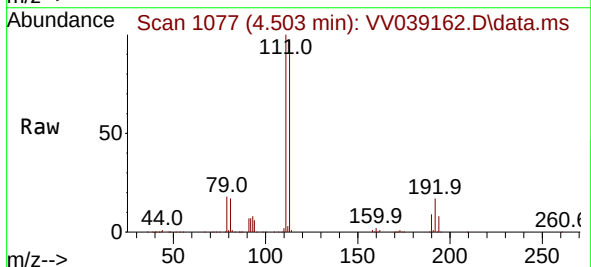
Tgt Ion:113 Resp: 458688

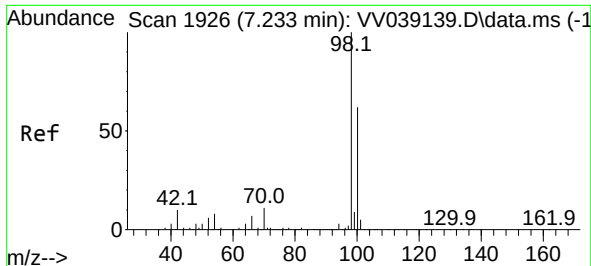
Ion Ratio Lower Upper

113 100

111 104.3 82.4 123.6

192 17.1 13.8 20.8

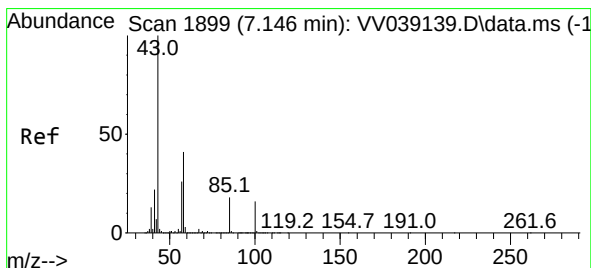
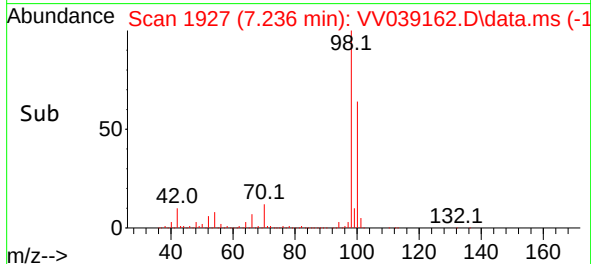
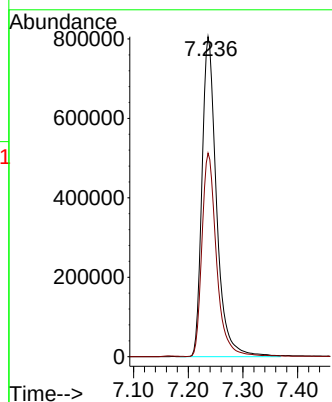
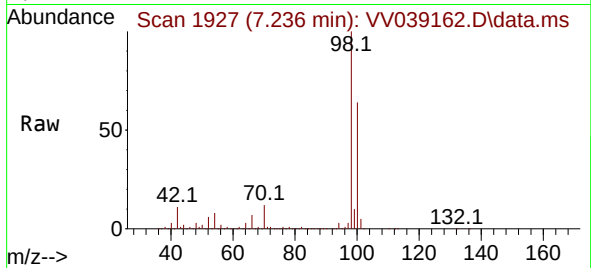




#50
Toluene-d8
Concen: 44.053 ug/l
RT: 7.236 min Scan# 1926
Delta R.T. 0.003 min
Lab File: VV039162.D
Acq: 24 Sep 2025 18:52

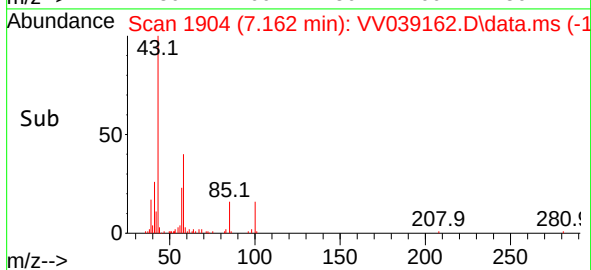
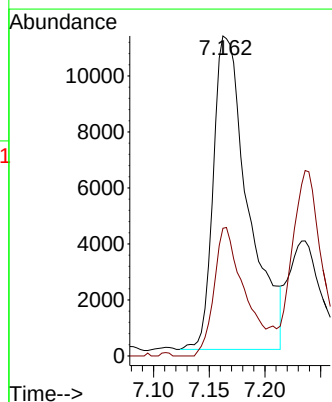
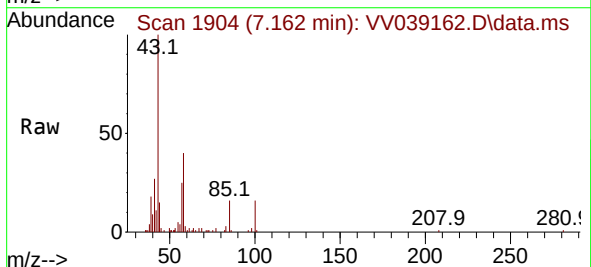
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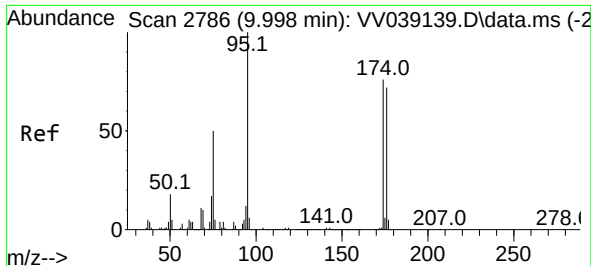
Tgt Ion: 98 Resp: 1484627
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.286 ug/l
RT: 7.162 min Scan# 1904
Delta R.T. 0.016 min
Lab File: VV039162.D
Acq: 24 Sep 2025 18:52

Tgt Ion: 43 Resp: 24286
Ion Ratio Lower Upper
43 100
58 35.4 32.3 48.5

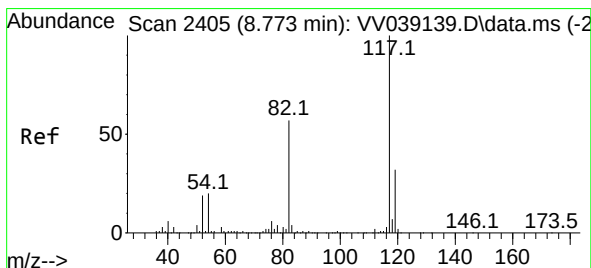
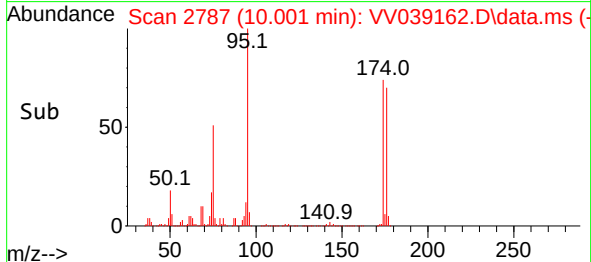
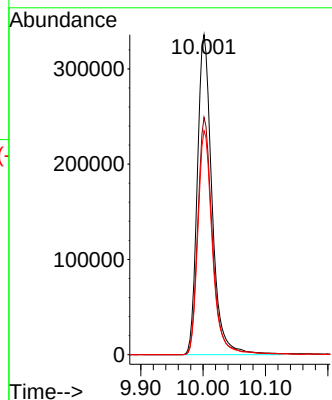
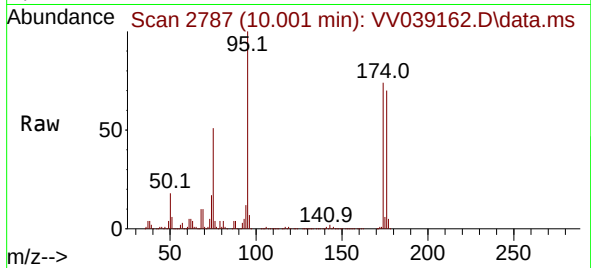




#62
4-Bromofluorobenzene
Concen: 39.599 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039162.D
Acq: 24 Sep 2025 18:52

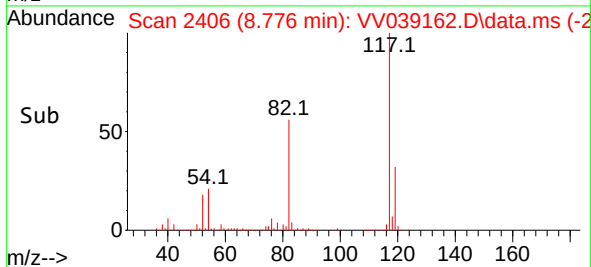
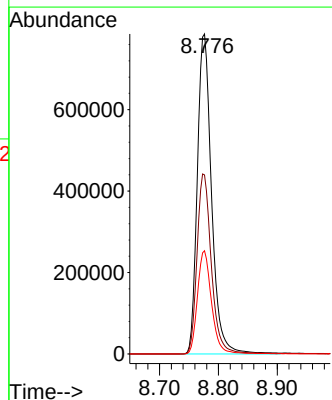
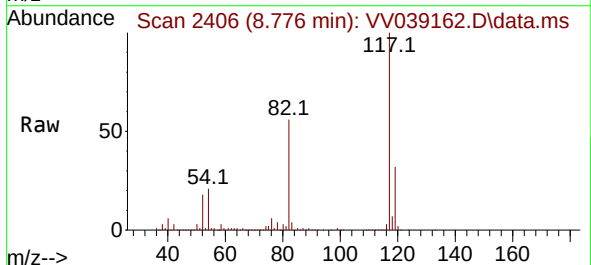
Instrument :
MSVOA_V
ClientSampleId :
DA-3

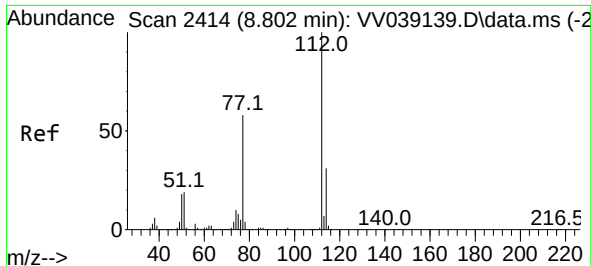
Tgt Ion: 95 Resp: 549383
Ion Ratio Lower Upper
95 100
174 74.3 0.0 150.4
176 69.1 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VV039162.D
Acq: 24 Sep 2025 18:52

Tgt Ion: 117 Resp: 1322483
Ion Ratio Lower Upper
117 100
82 56.0 45.4 68.2
119 32.2 25.6 38.4

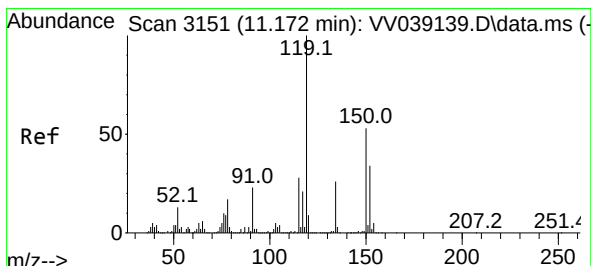
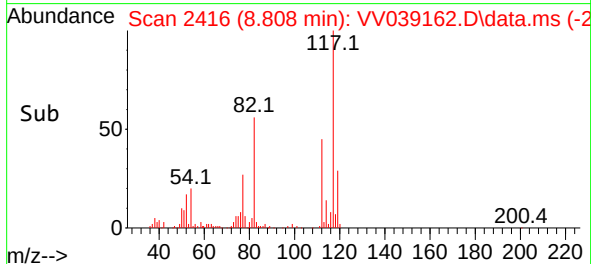
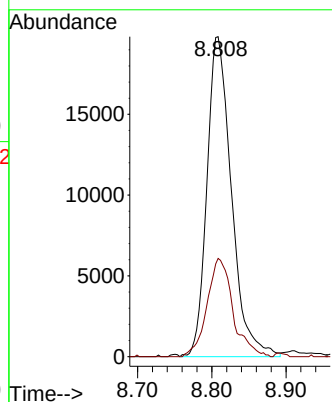
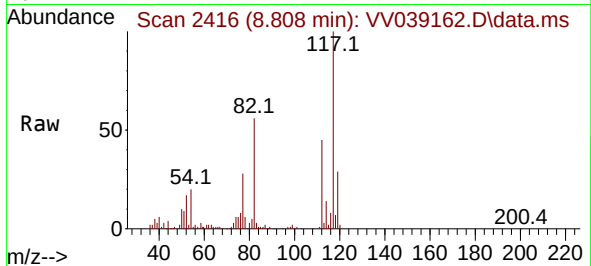




#65
Chlorobenzene
Concen: 1.232 ug/l
RT: 8.808 min Scan# 2414
Delta R.T. 0.006 min
Lab File: VV039162.D
Acq: 24 Sep 2025 18:52

Instrument :
MSVOA_V
ClientSampleId :
DA-3

Tgt Ion:112 Resp: 45385
Ion Ratio Lower Upper
112 100
114 30.7 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039162.D
Acq: 24 Sep 2025 18:52

Tgt Ion:152 Resp: 607726
Ion Ratio Lower Upper
152 100
115 60.9 44.8 134.4
150 156.9 0.0 353.8

