

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV102125\
 Data File : VV039300.D
 Acq On : 21 Oct 2025 13:08
 Operator : SY/MD
 Sample : Q3390-05 50X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 4175

Quant Time: Oct 24 04:48:10 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)

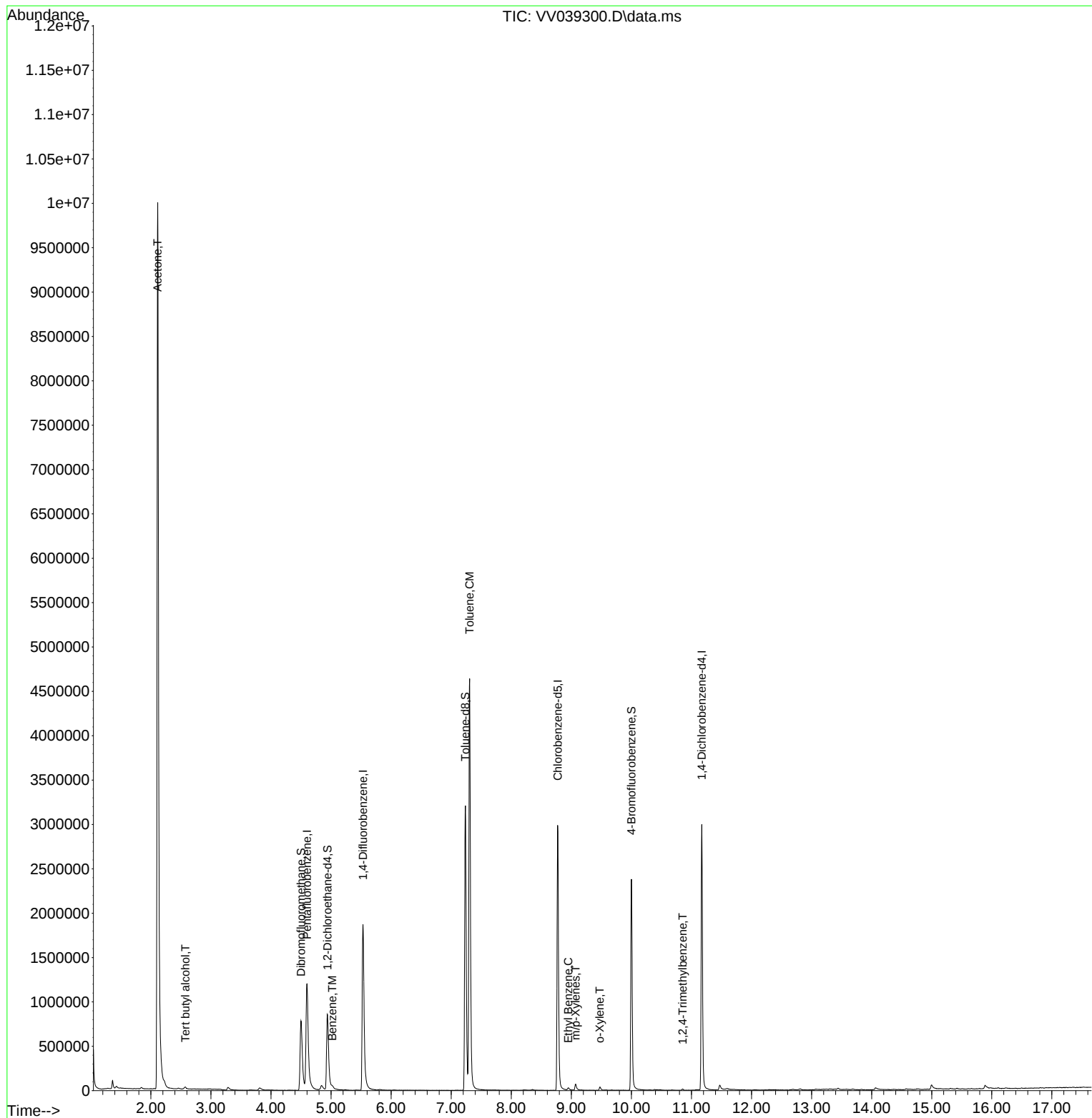
Internal Standards						
1) Pentafluorobenzene	4.600	168	1048283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1846439	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1707003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	788736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	759556	50.992	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	101.980%
35) Dibromofluoromethane	4.500	113	664493	45.674	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	91.340%
50) Toluene-d8	7.236	98	2263501	45.733	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	91.460%
62) 4-Bromofluorobenzene	10.001	95	827414	46.941	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	93.880%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.574	59	17067	5.912	ug/l	# 83
16) Acetone	2.114	43	11637106	1742.713	ug/l	98
40) Benzene	5.021	78	37228	0.635	ug/l	96
52) Toluene	7.307	92	2100248	59.323	ug/l	99
67) Ethyl Benzene	8.950	91	20165	0.339	ug/l	100
68) m/p-Xylenes	9.072	106	22805	0.966	ug/l	98
69) o-Xylene	9.474	106	11107	0.533	ug/l	92
84) 1,2,4-Trimethylbenzene	10.853	105	7959	0.201	ug/l	93

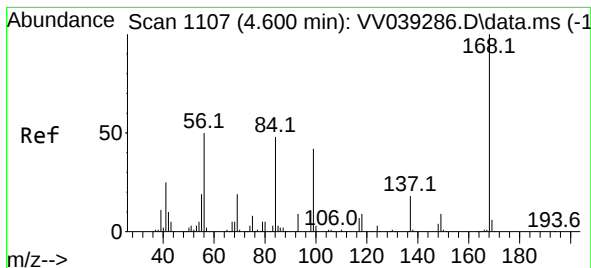
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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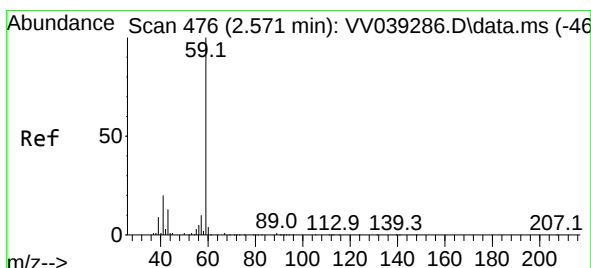
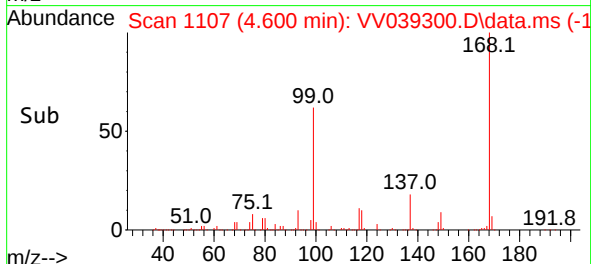
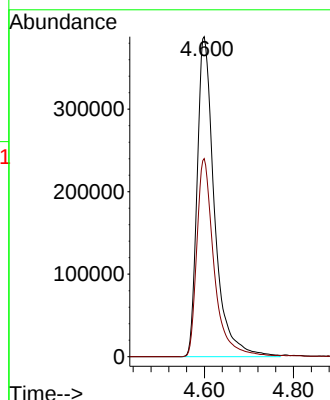
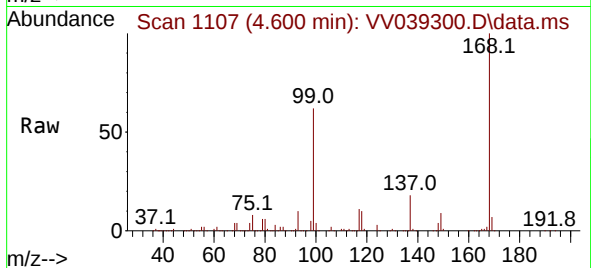




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039300.D
Acq: 21 Oct 2025 13:08

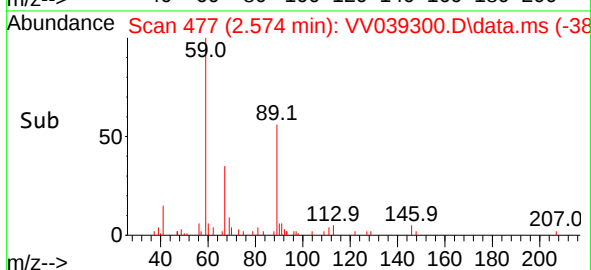
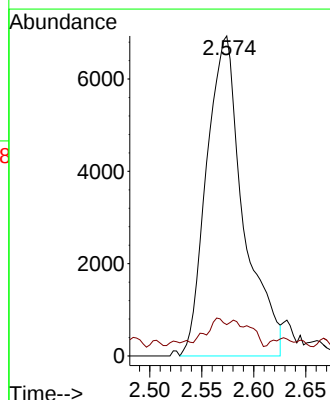
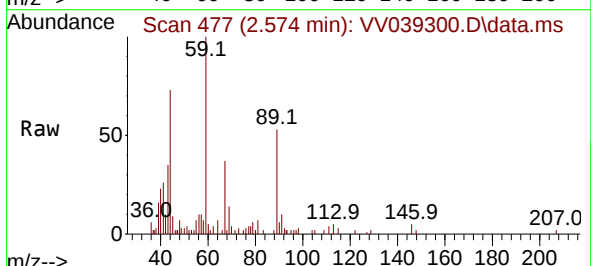
Instrument :
MSVOA_V
ClientSampleId :
4175

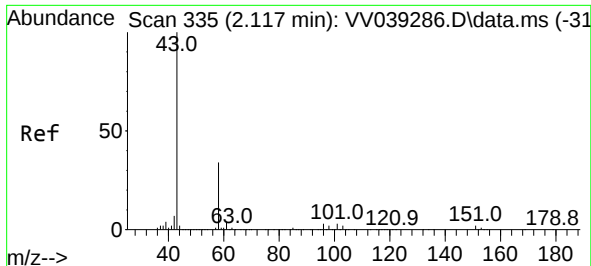
Tgt Ion:168 Resp: 1048283
Ion Ratio Lower Upper
168 100
99 61.9 46.6 70.0



#11
Tert butyl alcohol
Concen: 5.912 ug/l
RT: 2.574 min Scan# 477
Delta R.T. 0.003 min
Lab File: VV039300.D
Acq: 21 Oct 2025 13:08

Tgt Ion: 59 Resp: 17067
Ion Ratio Lower Upper
59 100
57 3.7 8.1 12.1#

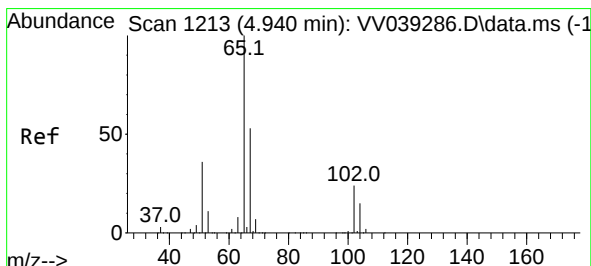
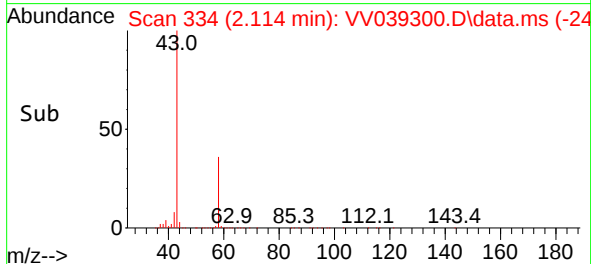
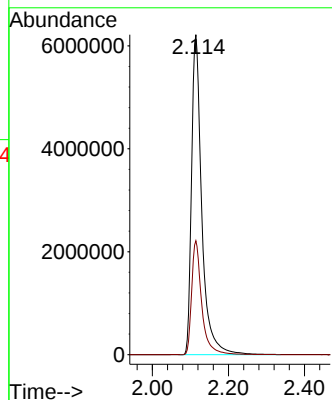
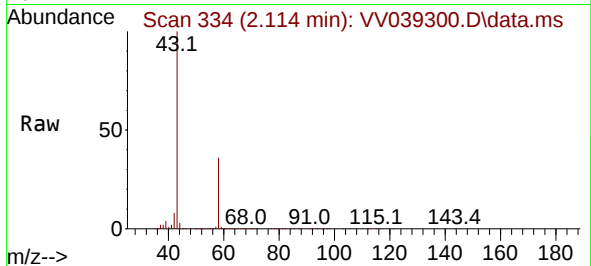




#16
Acetone
Concen: 1742.713 ug/l
RT: 2.114 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV039300.D
Acq: 21 Oct 2025 13:08

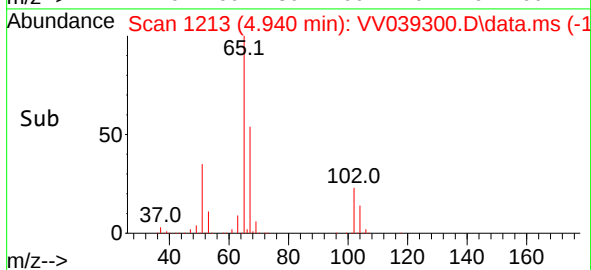
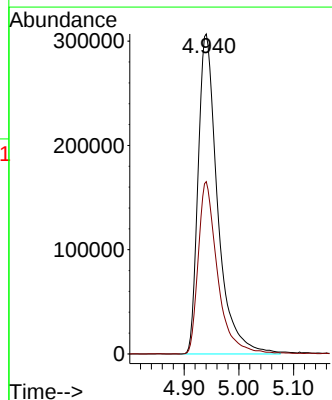
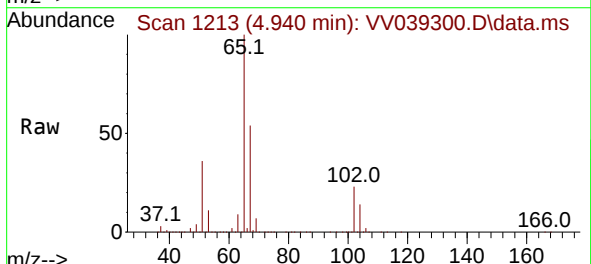
Instrument :
MSVOA_V
ClientSampleId :
4175

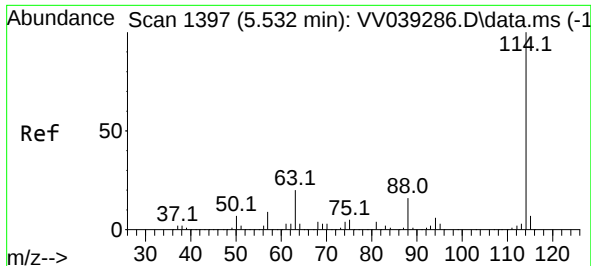
Tgt Ion: 43 Resp:11637106
Ion Ratio Lower Upper
43 100
58 35.6 27.5 41.3



#33
1,2-Dichloroethane-d4
Concen: 50.992 ug/l
RT: 4.940 min Scan# 1213
Delta R.T. -0.000 min
Lab File: VV039300.D
Acq: 21 Oct 2025 13:08

Tgt Ion: 65 Resp: 759556
Ion Ratio Lower Upper
65 100
67 53.2 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV039300.D

Acq: 21 Oct 2025 13:08

Instrument :

MSVOA_V

ClientSampleId :

4175

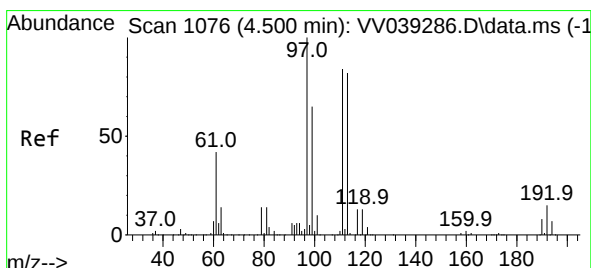
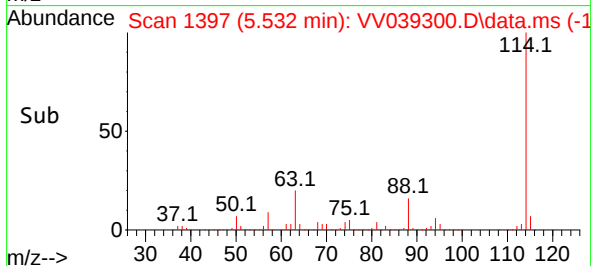
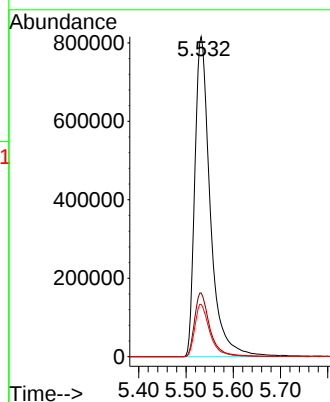
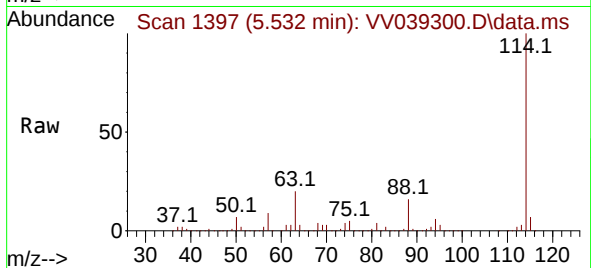
Tgt Ion:114 Resp: 1846439

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 16.4 0.0 31.6



#35

Dibromofluoromethane

Concen: 45.674 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VV039300.D

Acq: 21 Oct 2025 13:08

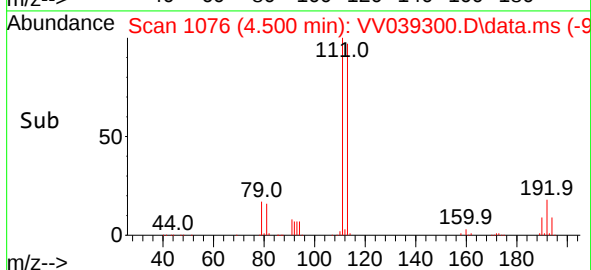
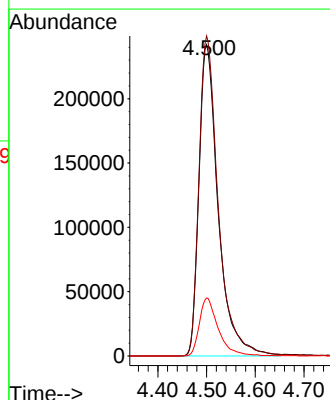
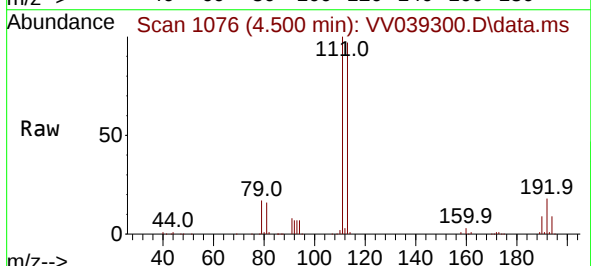
Tgt Ion:113 Resp: 664493

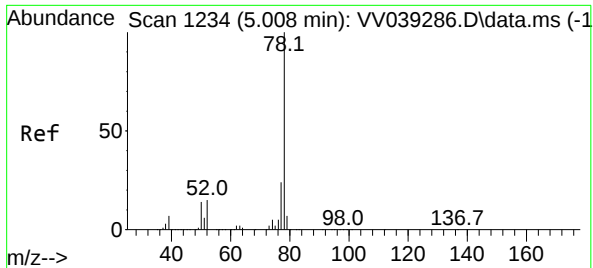
Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

192 18.3 14.3 21.5

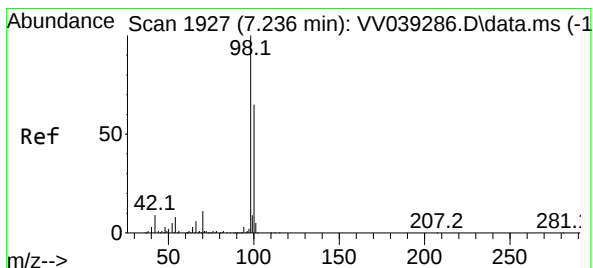
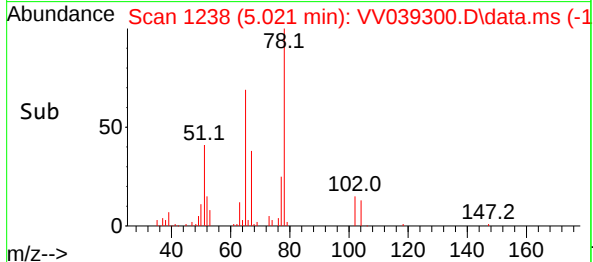
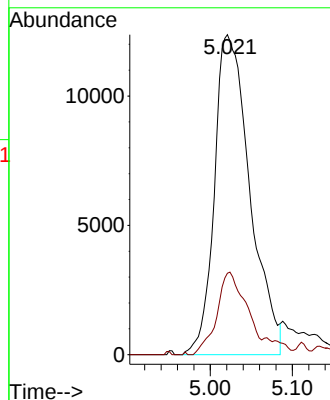
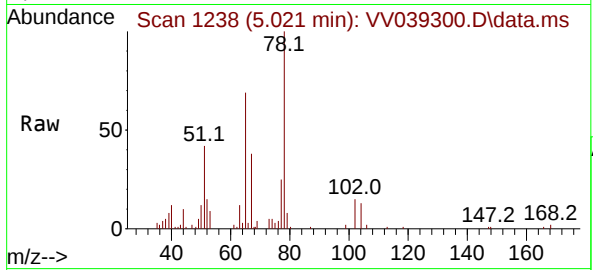




#40
Benzene
Concen: 0.635 ug/l
RT: 5.021 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV039300.D
Acq: 21 Oct 2025 13:08

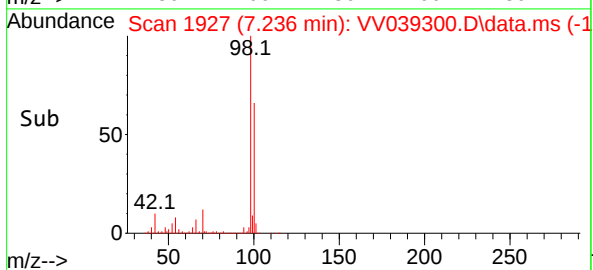
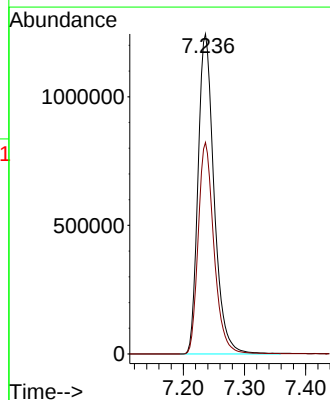
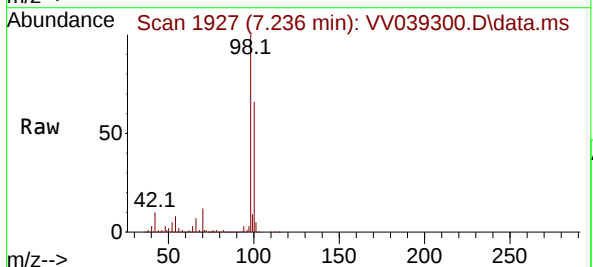
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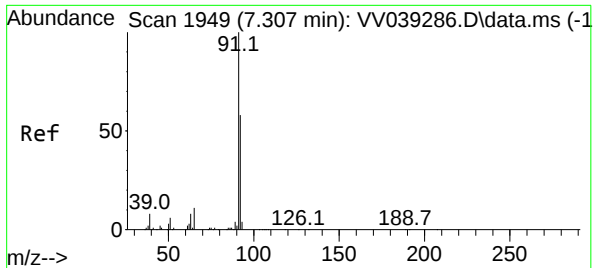
Tgt Ion: 78 Resp: 37228
Ion Ratio Lower Upper
78 100
77 25.5 18.9 28.3



#50
Toluene-d8
Concen: 45.733 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039300.D
Acq: 21 Oct 2025 13:08

Tgt Ion: 98 Resp: 2263501
Ion Ratio Lower Upper
98 100
100 65.0 52.8 79.2

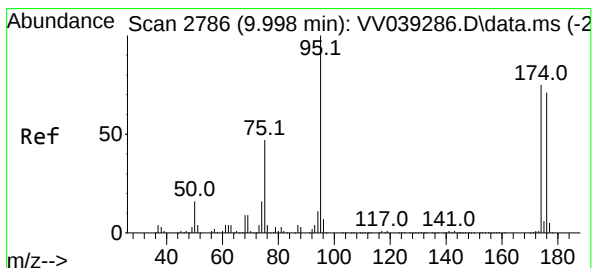
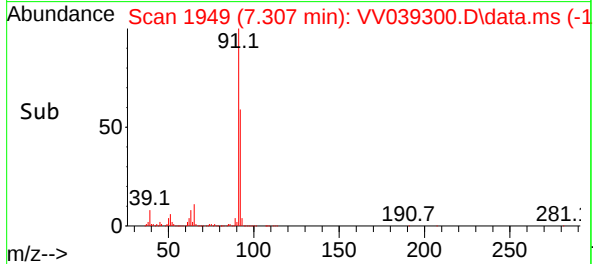
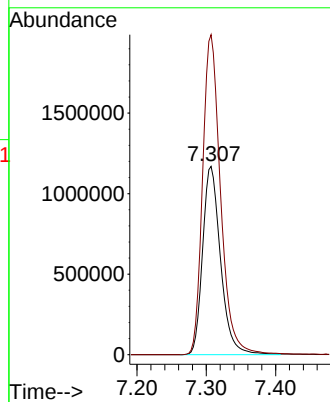
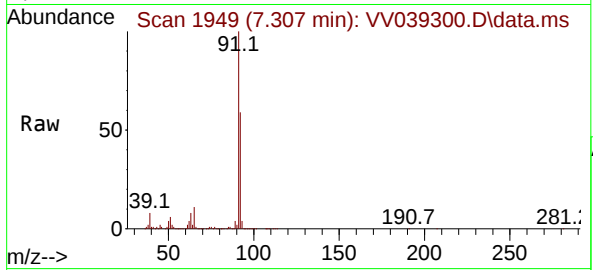




#52
Toluene
Concen: 59.323 ug/l
RT: 7.307 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VV039300.D
Acq: 21 Oct 2025 13:08

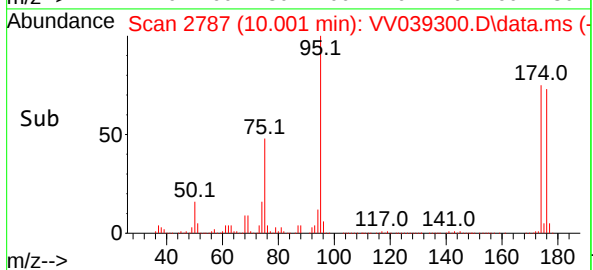
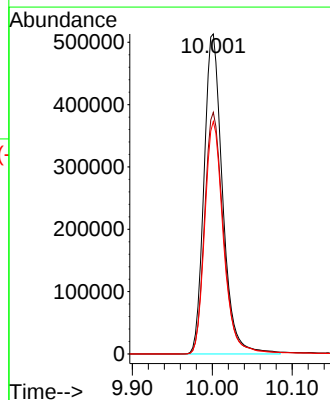
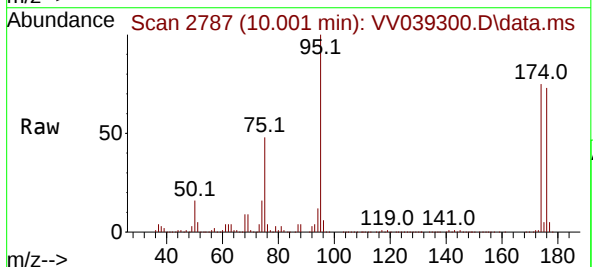
Instrument : MSVOA_V
ClientSampleId : 4175

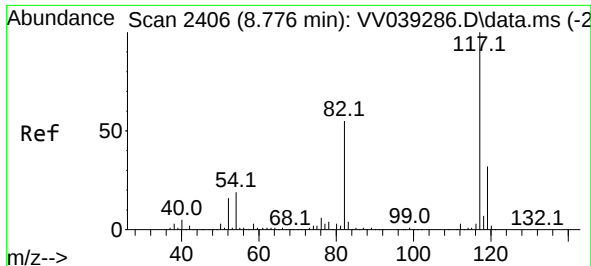
Tgt Ion: 92 Resp: 2100248
Ion Ratio Lower Upper
92 100
91 170.9 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 46.941 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039300.D
Acq: 21 Oct 2025 13:08

Tgt Ion: 95 Resp: 827414
Ion Ratio Lower Upper
95 100
174 77.6 0.0 153.6
176 73.8 0.0 146.0

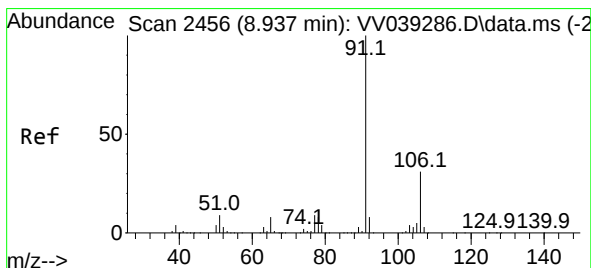
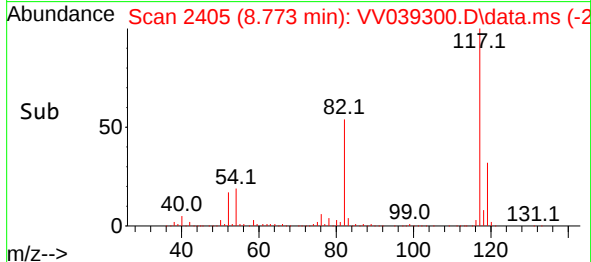
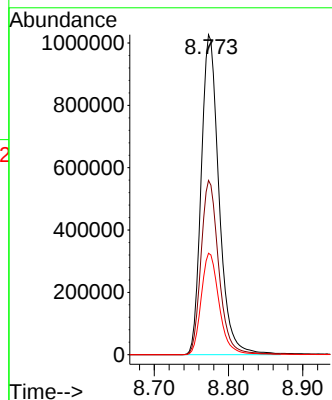
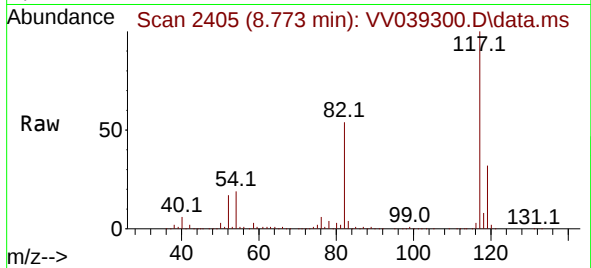




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2406
Delta R.T. -0.003 min
Lab File: VV039300.D
Acq: 21 Oct 2025 13:08

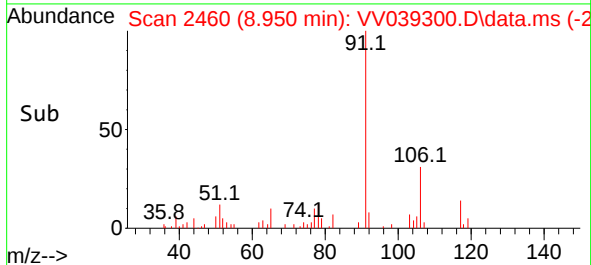
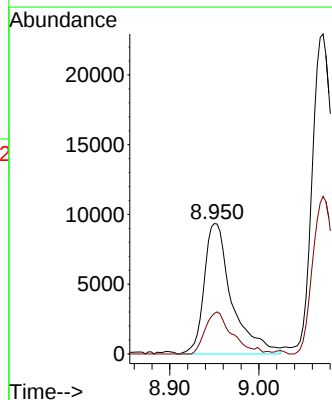
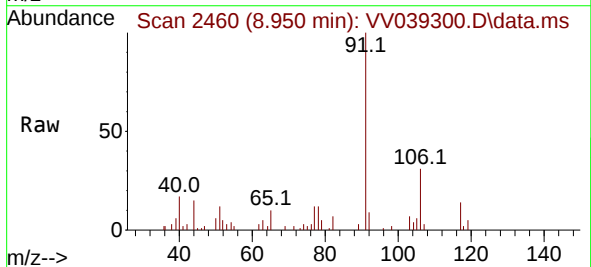
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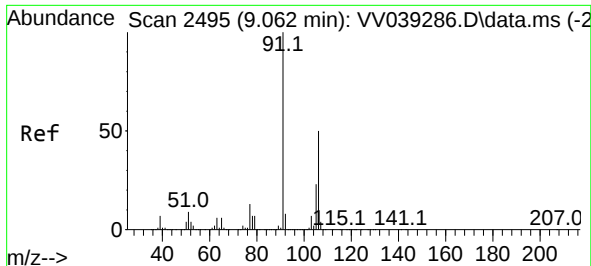
Tgt Ion:117 Resp: 1707003
Ion Ratio Lower Upper
117 100
82 54.4 43.8 65.8
119 31.7 25.8 38.6



#67
Ethyl Benzene
Concen: 0.339 ug/l
RT: 8.950 min Scan# 2460
Delta R.T. 0.013 min
Lab File: VV039300.D
Acq: 21 Oct 2025 13:08

Tgt Ion: 91 Resp: 20165
Ion Ratio Lower Upper
91 100
106 31.1 24.6 37.0

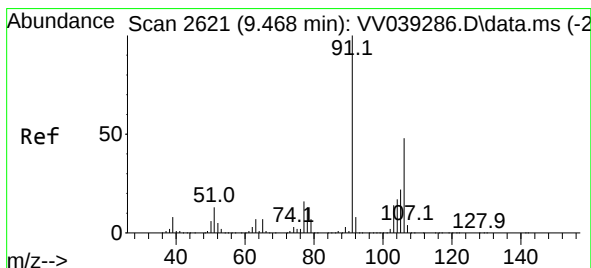
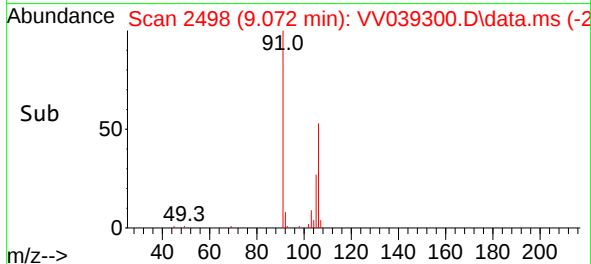
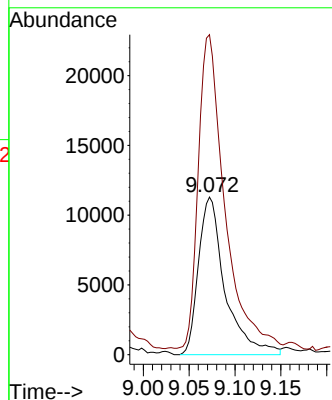
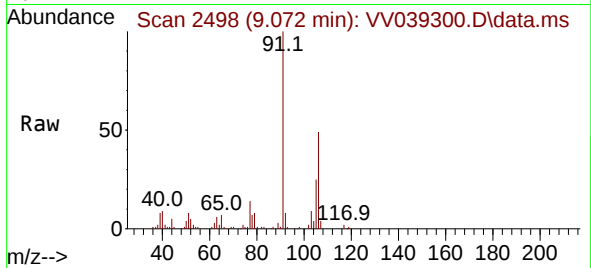




#68
m/p-Xylenes
Concen: 0.966 ug/l
RT: 9.072 min Scan# 2495
Delta R.T. 0.010 min
Lab File: VV039300.D
Acq: 21 Oct 2025 13:08

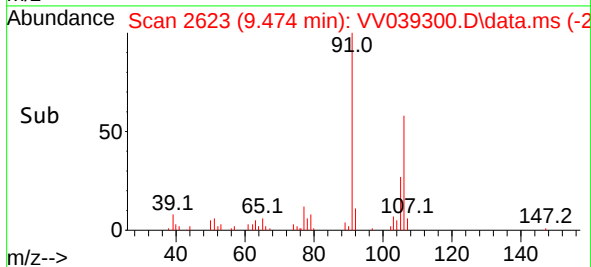
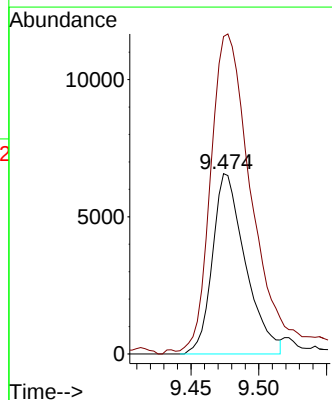
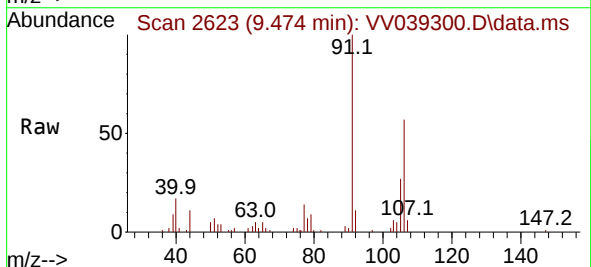
Instrument :
MSVOA_V
ClientSampleId :
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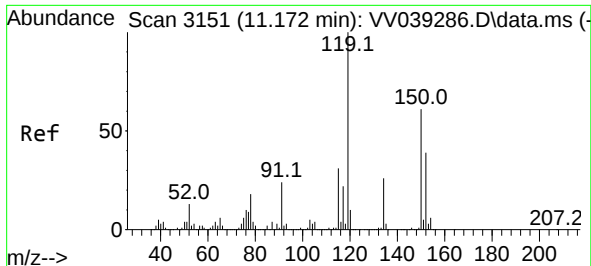
Tgt Ion:106 Resp: 22805
Ion Ratio Lower Upper
106 100
91 197.7 160.2 240.2



#69
o-Xylene
Concen: 0.533 ug/l
RT: 9.474 min Scan# 2623
Delta R.T. 0.006 min
Lab File: VV039300.D
Acq: 21 Oct 2025 13:08

Tgt Ion:106 Resp: 11107
Ion Ratio Lower Upper
106 100
91 224.6 105.8 317.3

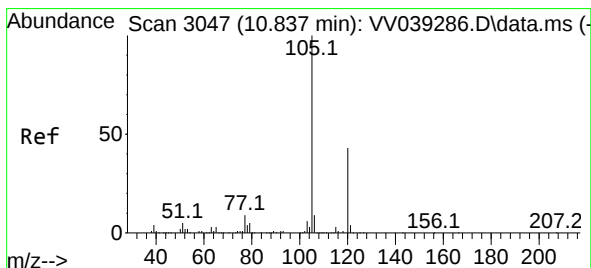
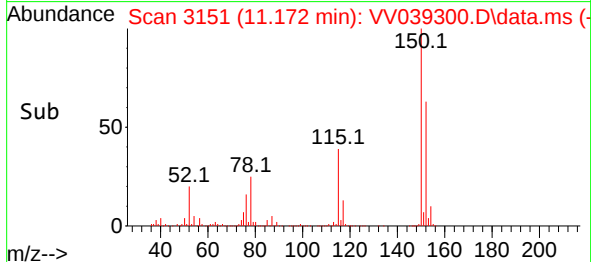
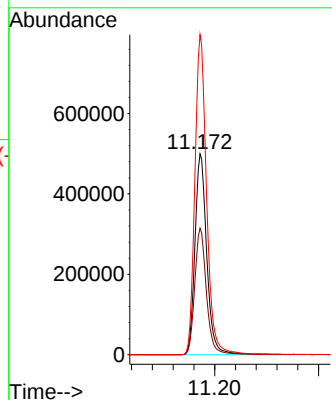
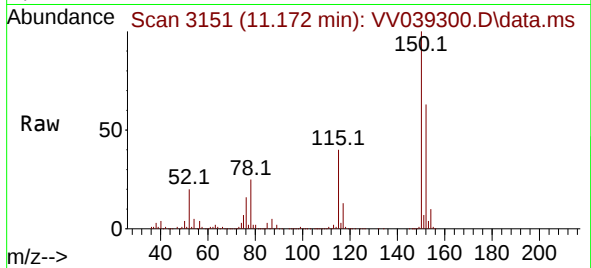




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.172 min Scan# 3151
 Delta R.T. -0.000 min
 Lab File: VV039300.D
 Acq: 21 Oct 2025 13:08

Instrument :
 MSVOA_V
 ClientSampleId :
 4175

Tgt Ion:152 Resp: 788736
 Ion Ratio Lower Upper
 152 100
 115 62.3 42.3 126.8
 150 157.6 0.0 348.0



#84
 1,2,4-Trimethylbenzene
 Concen: 0.201 ug/l
 RT: 10.853 min Scan# 3052
 Delta R.T. 0.016 min
 Lab File: VV039300.D
 Acq: 21 Oct 2025 13:08

Tgt Ion:105 Resp: 7959
 Ion Ratio Lower Upper
 105 100
 120 49.9 22.8 68.4

