

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV102125\
 Data File : VV039296.D
 Acq On : 21 Oct 2025 11:38
 Operator : SY/MD
 Sample : Q3386-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 3443

Quant Time: Oct 21 12:37:51 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)

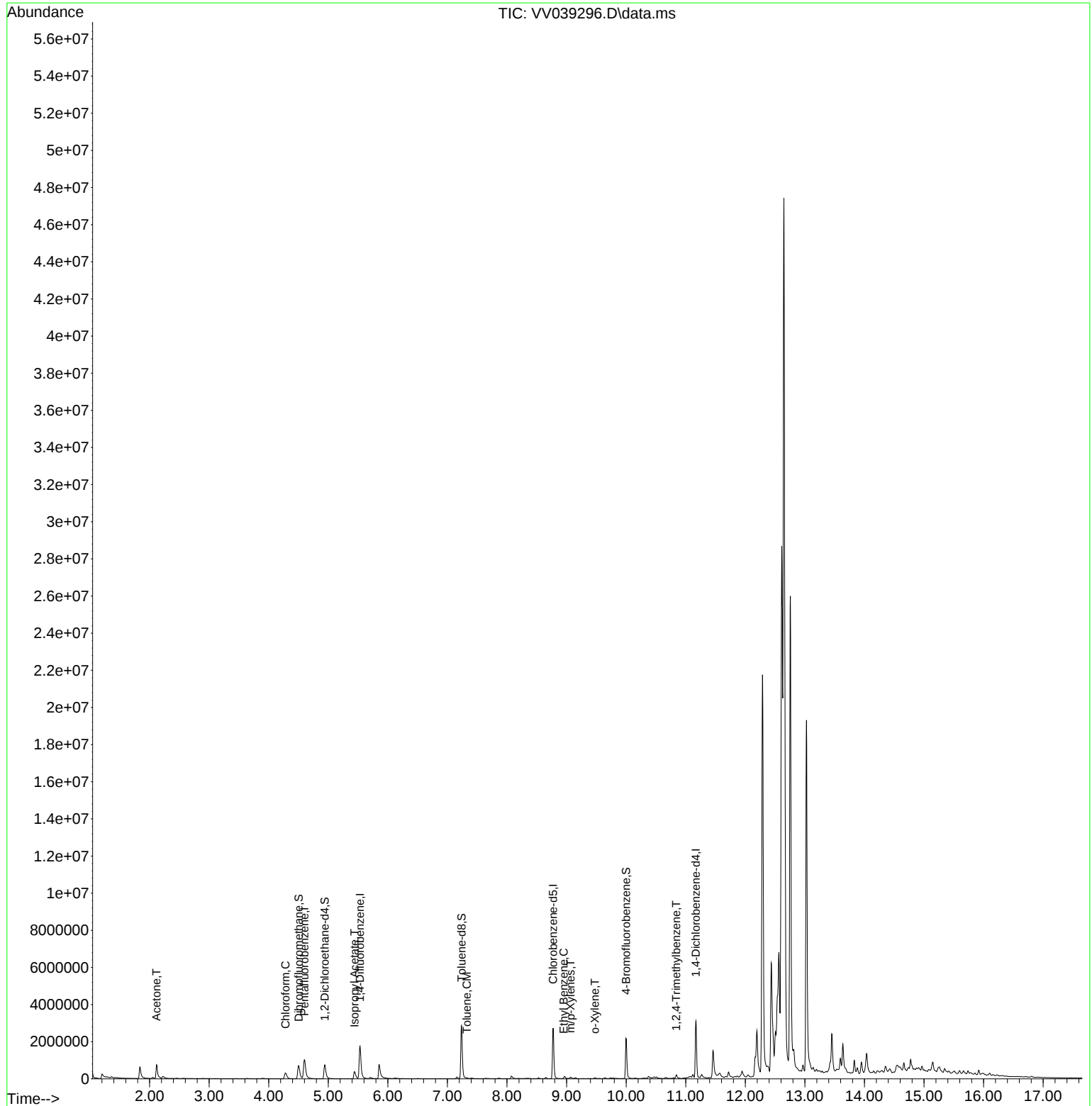
Internal Standards						
1) Pentafluorobenzene	4.600	168	902813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1732513	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1552214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	805600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	670925	52.300	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	104.600%
35) Dibromofluoromethane	4.503	113	598709	43.858	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	87.720%
50) Toluene-d8	7.236	98	2047012	44.079	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	88.160%#
62) 4-Bromofluorobenzene	9.998	95	725044	43.838	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	87.680%
Target Compounds						
						Qvalue
16) Acetone	2.118	43	886121	144.300	ug/l	100
30) Chloroform	4.282	83	366236	15.472	ug/l	100
43) Isopropyl Acetate	5.439	43	484664	18.443	ug/l #	60
52) Toluene	7.326	92	10034	0.302	ug/l	100
67) Ethyl Benzene	8.953	91	19145	0.354	ug/l	96
68) m/p-Xylenes	9.069	106	23228	1.082	ug/l	96
69) o-Xylene	9.474	106	15921	0.840	ug/l	95
84) 1,2,4-Trimethylbenzene	10.841	105	88328	2.187	ug/l	97

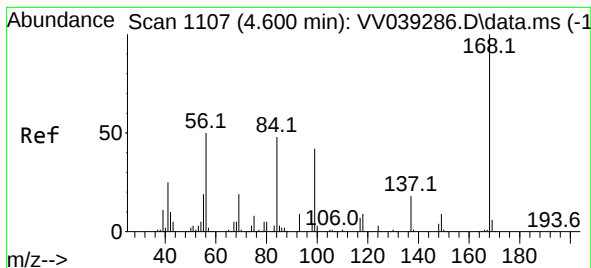
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VV039296.D

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Instrument :

MSVOA_V

ClientSampleId :

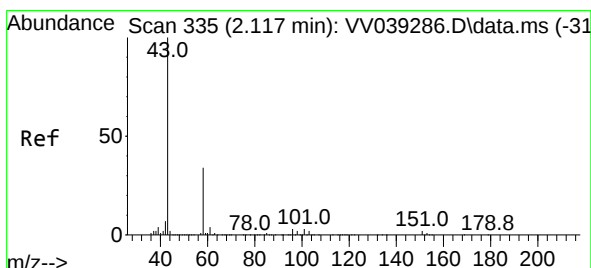
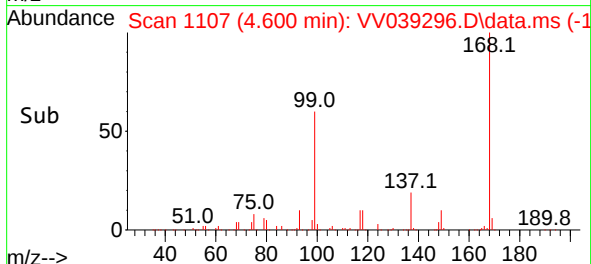
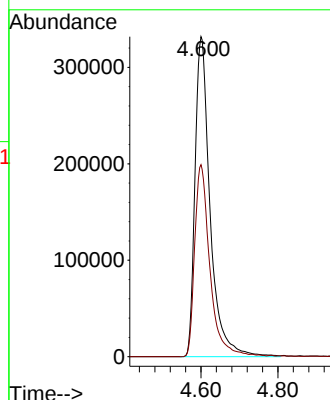
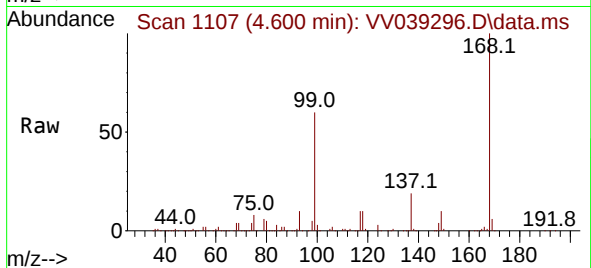
3443

Tgt Ion:168 Resp: 902813

Ion Ratio Lower Upper

168 100

99 60.0 46.6 70.0



#16

Acetone

Concen: 144.300 ug/l

RT: 2.118 min Scan# 335

Delta R.T. 0.000 min

Lab File: VV039296.D

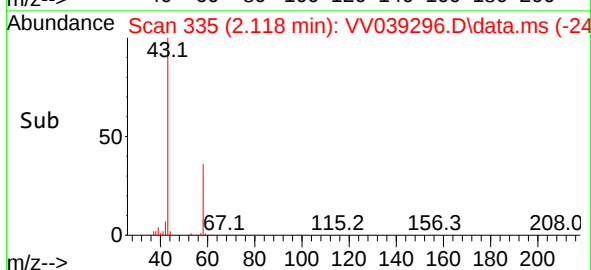
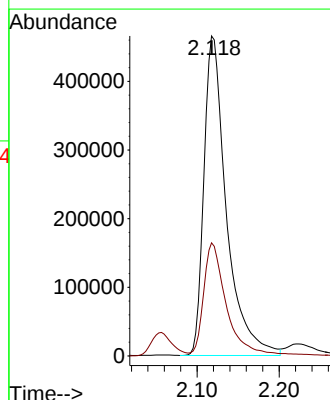
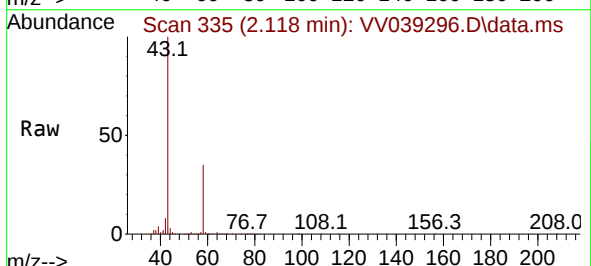
Acq: 21 Oct 2025 11:38

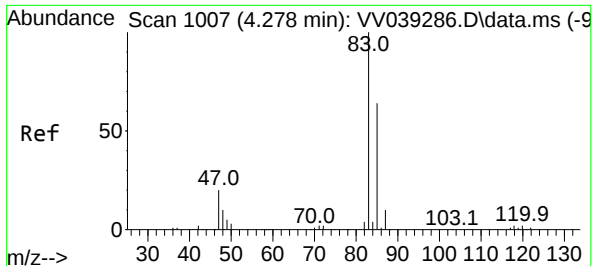
Tgt Ion: 43 Resp: 886121

Ion Ratio Lower Upper

43 100

58 34.7 27.5 41.3





#30

Chloroform

Concen: 15.472 ug/l

RT: 4.282 min Scan# 1007

Delta R.T. 0.003 min

Lab File: VV039296.D

Acq: 21 Oct 2025 11:38

Instrument :

MSVOA_V

ClientSampleId :

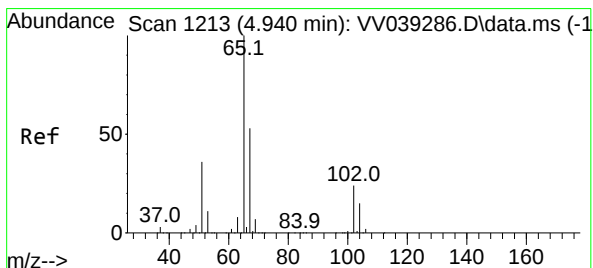
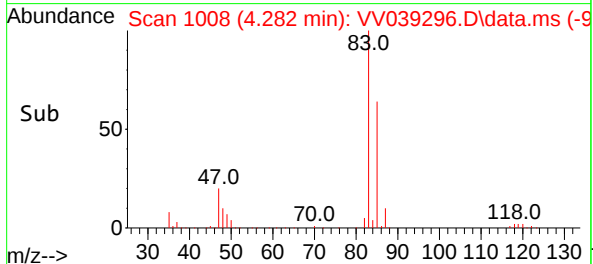
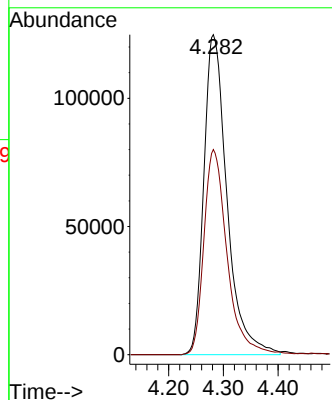
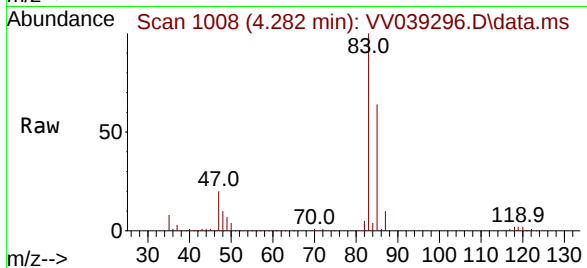
3443

Tgt Ion: 83 Resp: 366236

Ion Ratio Lower Upper

83 100

85 64.1 51.1 76.7



#33

1,2-Dichloroethane-d4

Concen: 52.300 ug/l

RT: 4.941 min Scan# 1213

Delta R.T. 0.000 min

Lab File: VV039296.D

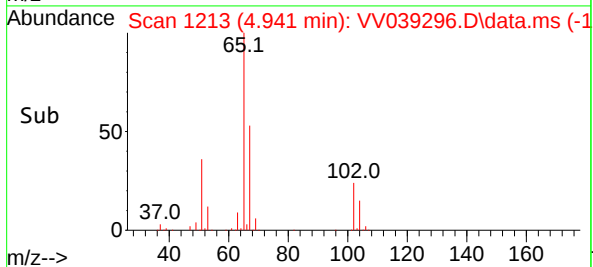
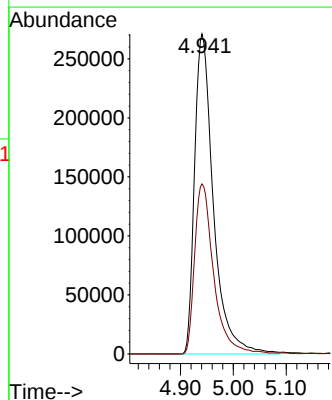
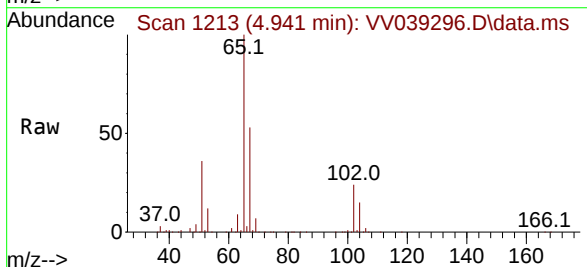
Acq: 21 Oct 2025 11:38

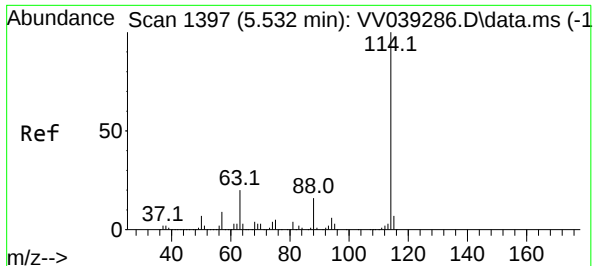
Tgt Ion: 65 Resp: 670925

Ion Ratio Lower Upper

65 100

67 53.4 0.0 108.4

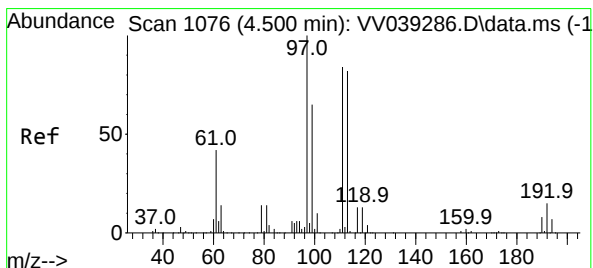
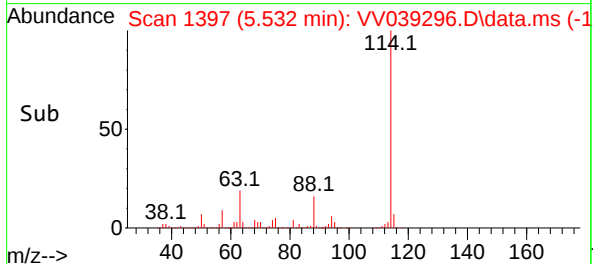
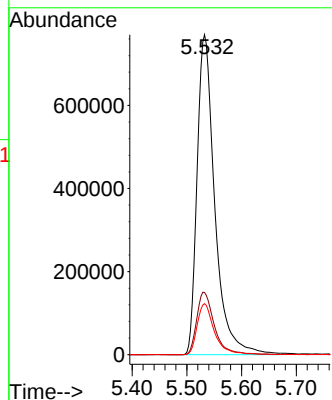
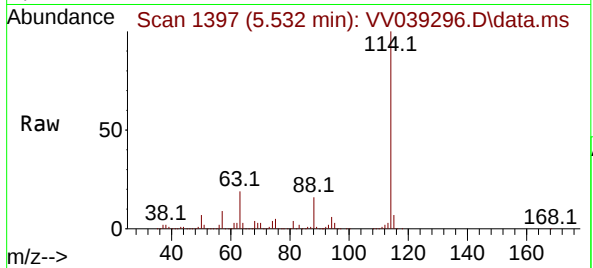




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV039296.D
Acq: 21 Oct 2025 11:38

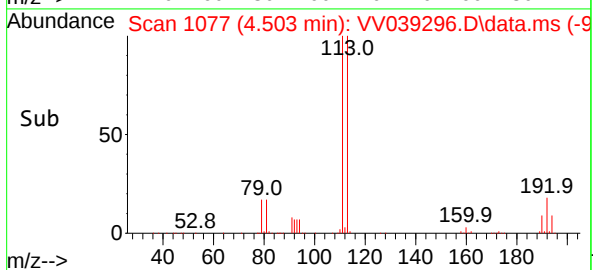
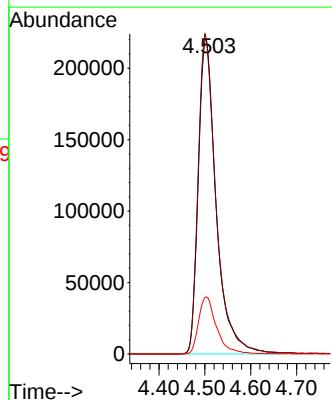
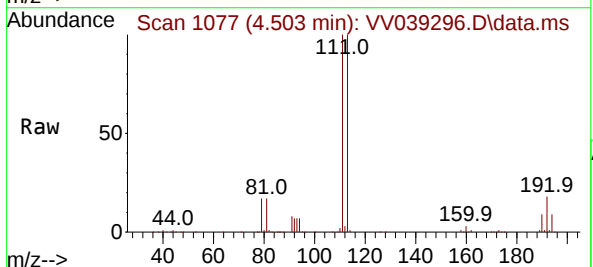
Instrument :
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3443

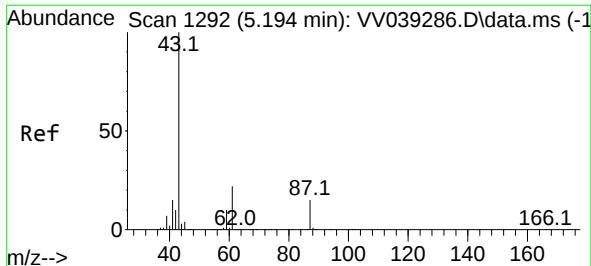
Tgt Ion:114 Resp: 1732513
Ion Ratio Lower Upper
114 100
63 19.5 0.0 39.6
88 15.9 0.0 31.6



#35
Dibromofluoromethane
Concen: 43.858 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. 0.003 min
Lab File: VV039296.D
Acq: 21 Oct 2025 11:38

Tgt Ion:113 Resp: 598709
Ion Ratio Lower Upper
113 100
111 101.3 82.0 123.0
192 18.1 14.3 21.5

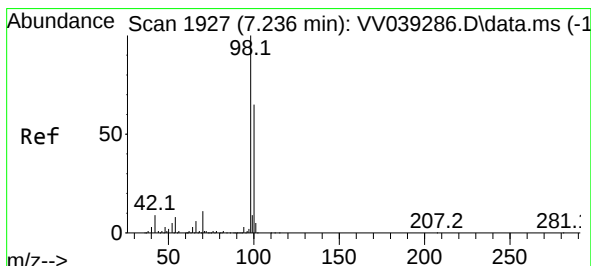
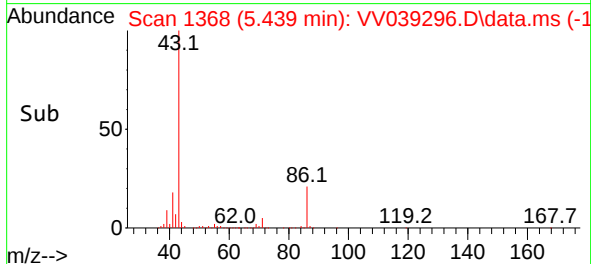
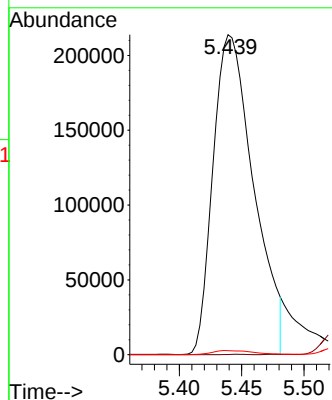
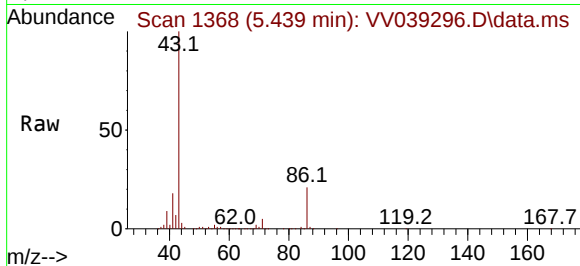




#43
Isopropyl Acetate
Concen: 18.443 ug/l
RT: 5.439 min Scan# 11
Delta R.T. 0.245 min
Lab File: VV039296.D
Acq: 21 Oct 2025 11:38

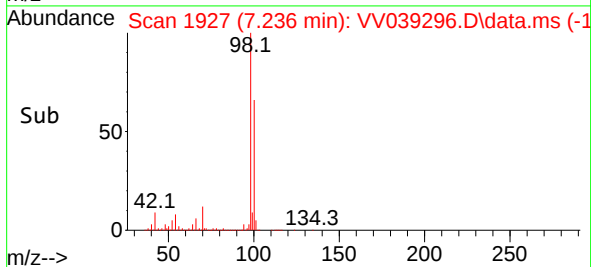
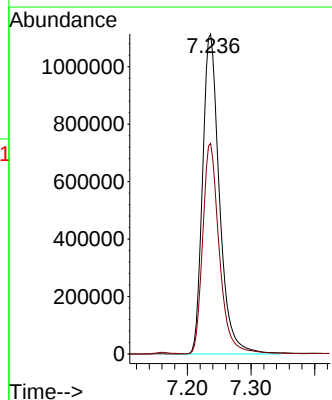
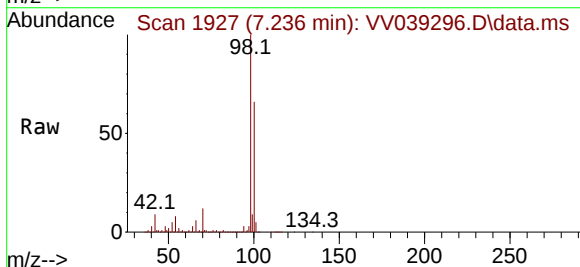
Instrument :
MSVOA_V
ClientSampleId :
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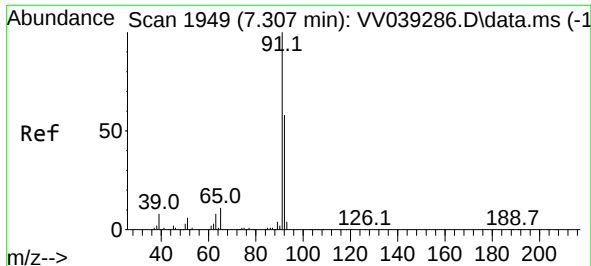
Tgt Ion: 43 Resp: 484664
Ion Ratio Lower Upper
43 100
61 0.0 17.1 25.7#
87 1.3 11.5 17.3#



#50
Toluene-d8
Concen: 44.079 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV039296.D
Acq: 21 Oct 2025 11:38

Tgt Ion: 98 Resp: 2047012
Ion Ratio Lower Upper
98 100
100 64.8 52.8 79.2

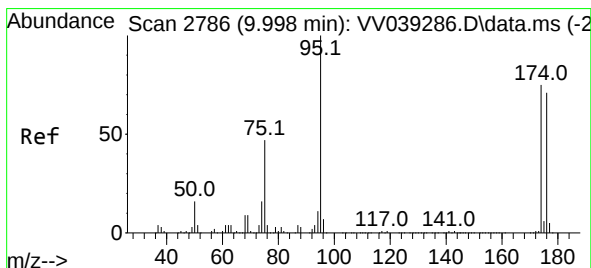
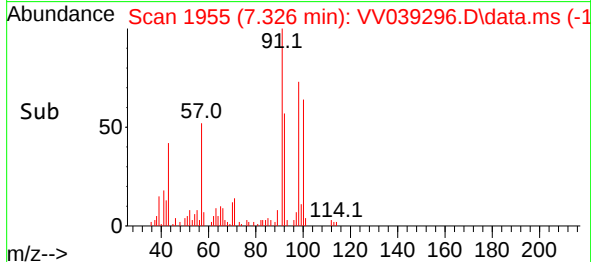
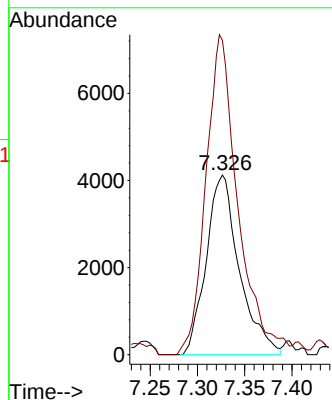
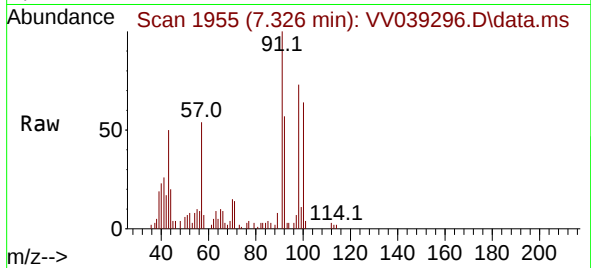




#52
Toluene
Concen: 0.302 ug/l
RT: 7.326 min Scan# 1949
Delta R.T. 0.019 min
Lab File: VV039296.D
Acq: 21 Oct 2025 11:38

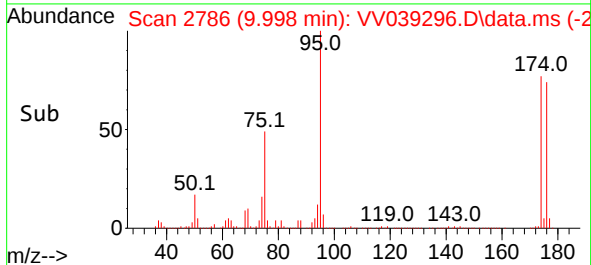
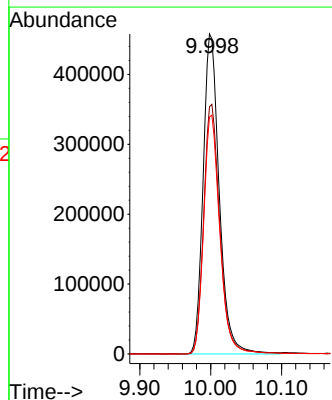
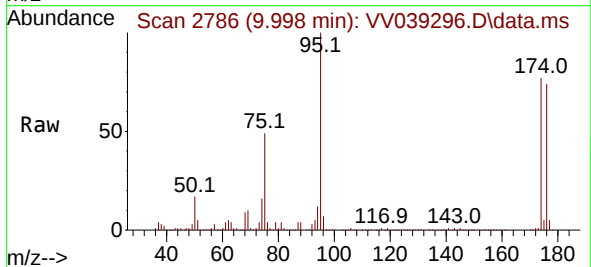
Instrument :
MSVOA_V
ClientSampleId :
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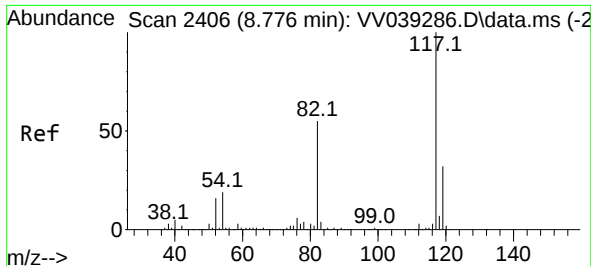
Tgt Ion: 92 Resp: 10034
Ion Ratio Lower Upper
92 100
91 172.2 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 43.838 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039296.D
Acq: 21 Oct 2025 11:38

Tgt Ion: 95 Resp: 725044
Ion Ratio Lower Upper
95 100
174 78.6 0.0 153.6
176 74.7 0.0 146.0

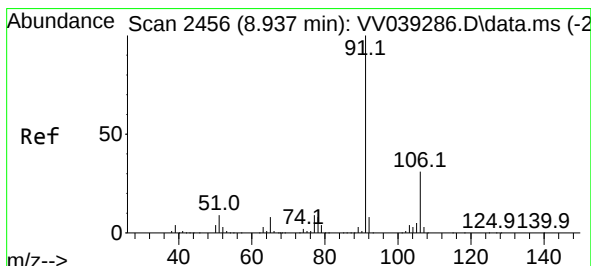
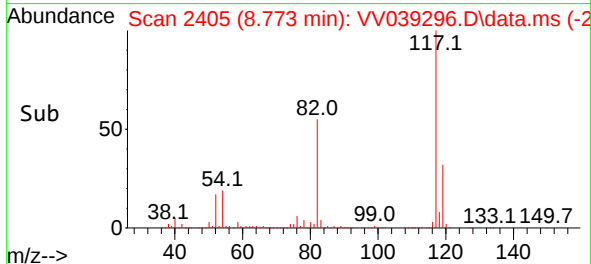
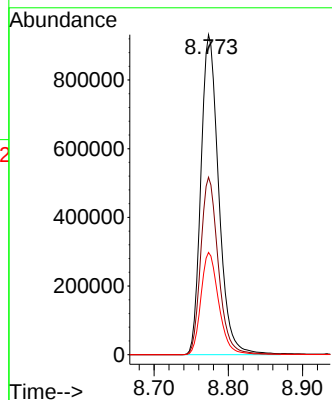
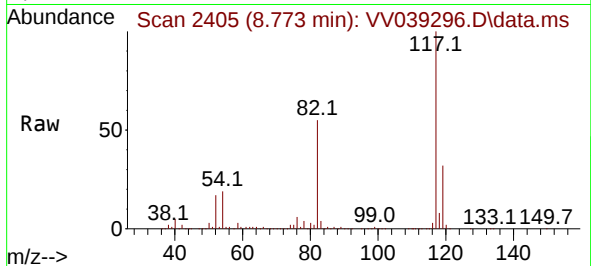




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2406
Delta R.T. -0.003 min
Lab File: VV039296.D
Acq: 21 Oct 2025 11:38

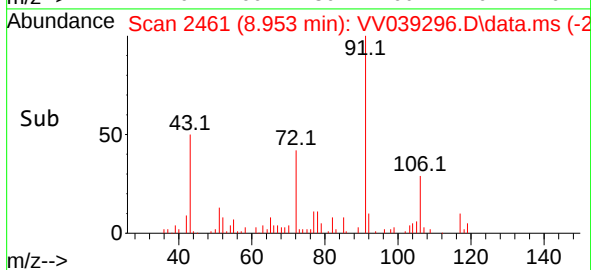
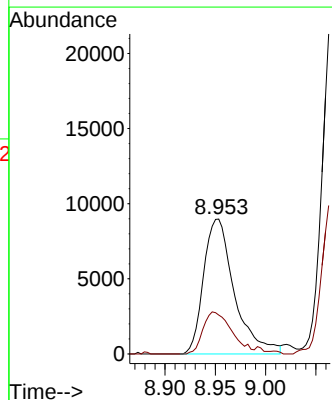
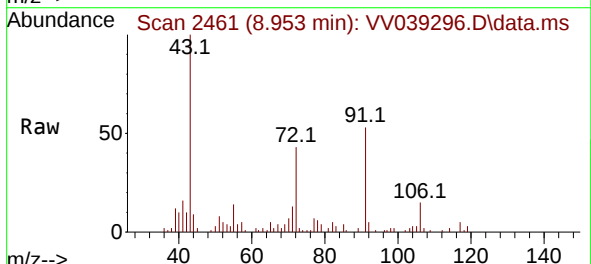
Instrument :
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ClientSampleId :
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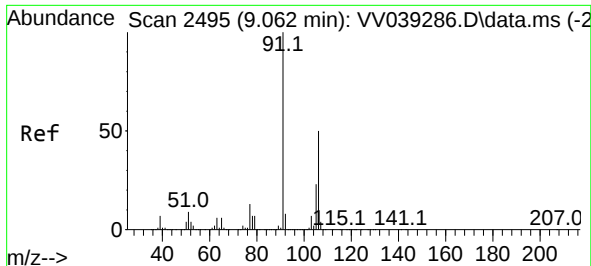
Tgt Ion:117 Resp: 1552214
Ion Ratio Lower Upper
117 100
82 55.4 43.8 65.8
119 32.0 25.8 38.6



#67
Ethyl Benzene
Concen: 0.354 ug/l
RT: 8.953 min Scan# 2461
Delta R.T. 0.016 min
Lab File: VV039296.D
Acq: 21 Oct 2025 11:38

Tgt Ion: 91 Resp: 19145
Ion Ratio Lower Upper
91 100
106 28.9 24.6 37.0

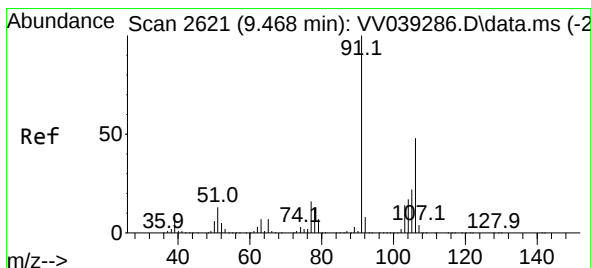
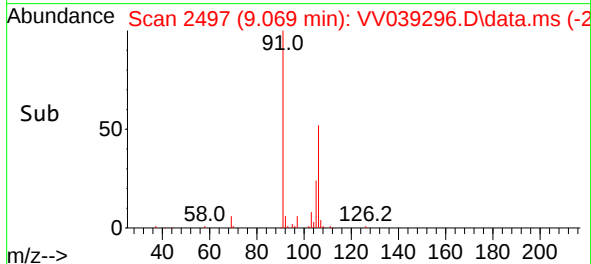
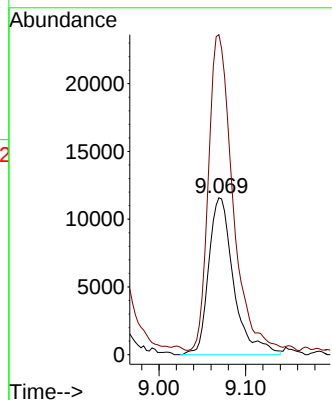
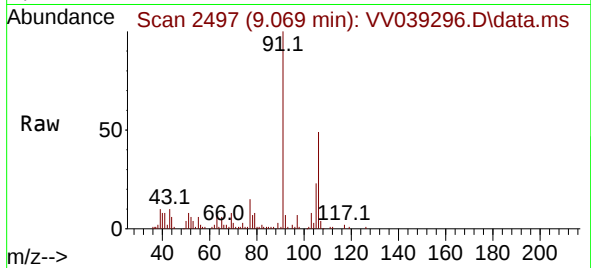




#68
m/p-Xylenes
Concen: 1.082 ug/l
RT: 9.069 min Scan# 2495
Delta R.T. 0.007 min
Lab File: VV039296.D
Acq: 21 Oct 2025 11:38

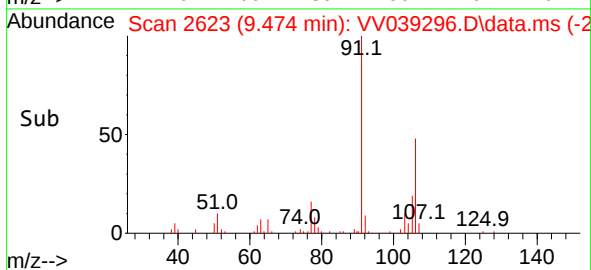
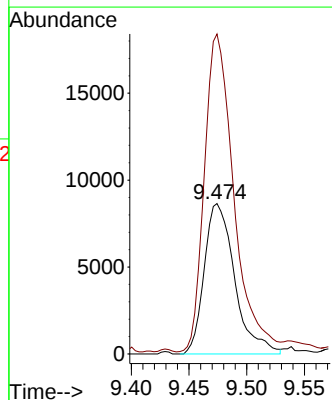
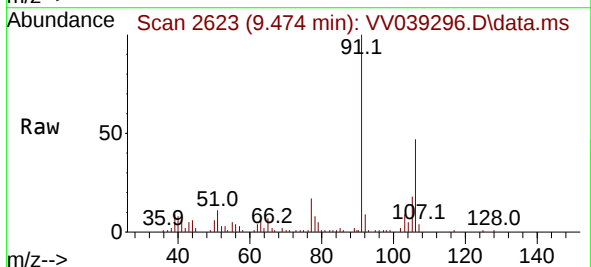
Instrument :
MSVOA_V
ClientSampleId :
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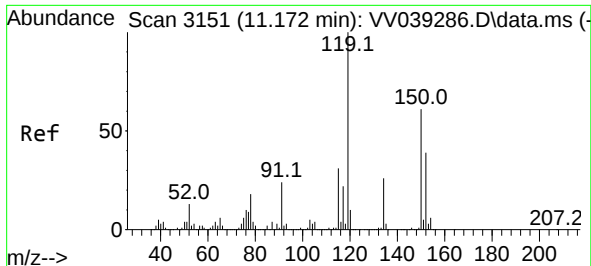
Tgt Ion:106 Resp: 23228
Ion Ratio Lower Upper
106 100
91 194.6 160.2 240.2



#69
o-Xylene
Concen: 0.840 ug/l
RT: 9.474 min Scan# 2623
Delta R.T. 0.007 min
Lab File: VV039296.D
Acq: 21 Oct 2025 11:38

Tgt Ion:106 Resp: 15921
Ion Ratio Lower Upper
106 100
91 204.2 105.8 317.3

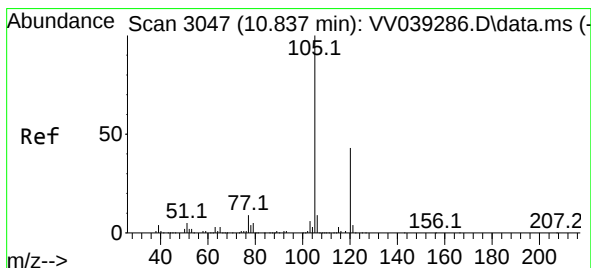
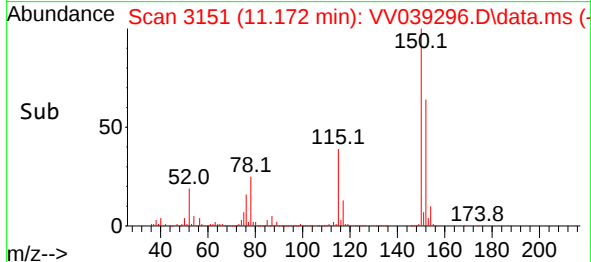
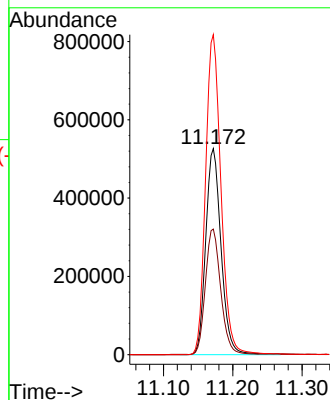
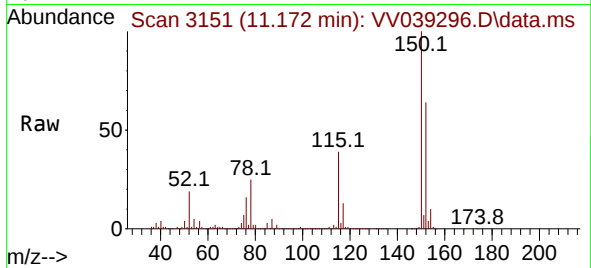




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.172 min Scan# 3151
 Delta R.T. 0.000 min
 Lab File: VV039296.D
 Acq: 21 Oct 2025 11:38

Instrument :
 MSVOA_V
 ClientSampleId :
 3443

Tgt Ion:152 Resp: 805600
 Ion Ratio Lower Upper
 152 100
 115 60.7 42.3 126.8
 150 156.4 0.0 348.0



#84
 1,2,4-Trimethylbenzene
 Concen: 2.187 ug/l
 RT: 10.841 min Scan# 3048
 Delta R.T. 0.003 min
 Lab File: VV039296.D
 Acq: 21 Oct 2025 11:38

Tgt Ion:105 Resp: 88328
 Ion Ratio Lower Upper
 105 100
 120 47.4 22.8 68.4

