

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039322.D
 Acq On : 04 Nov 2025 18:09
 Operator : SY/MD
 Sample : Q3534-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-1

Quant Time: Nov 05 00:41:03 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)

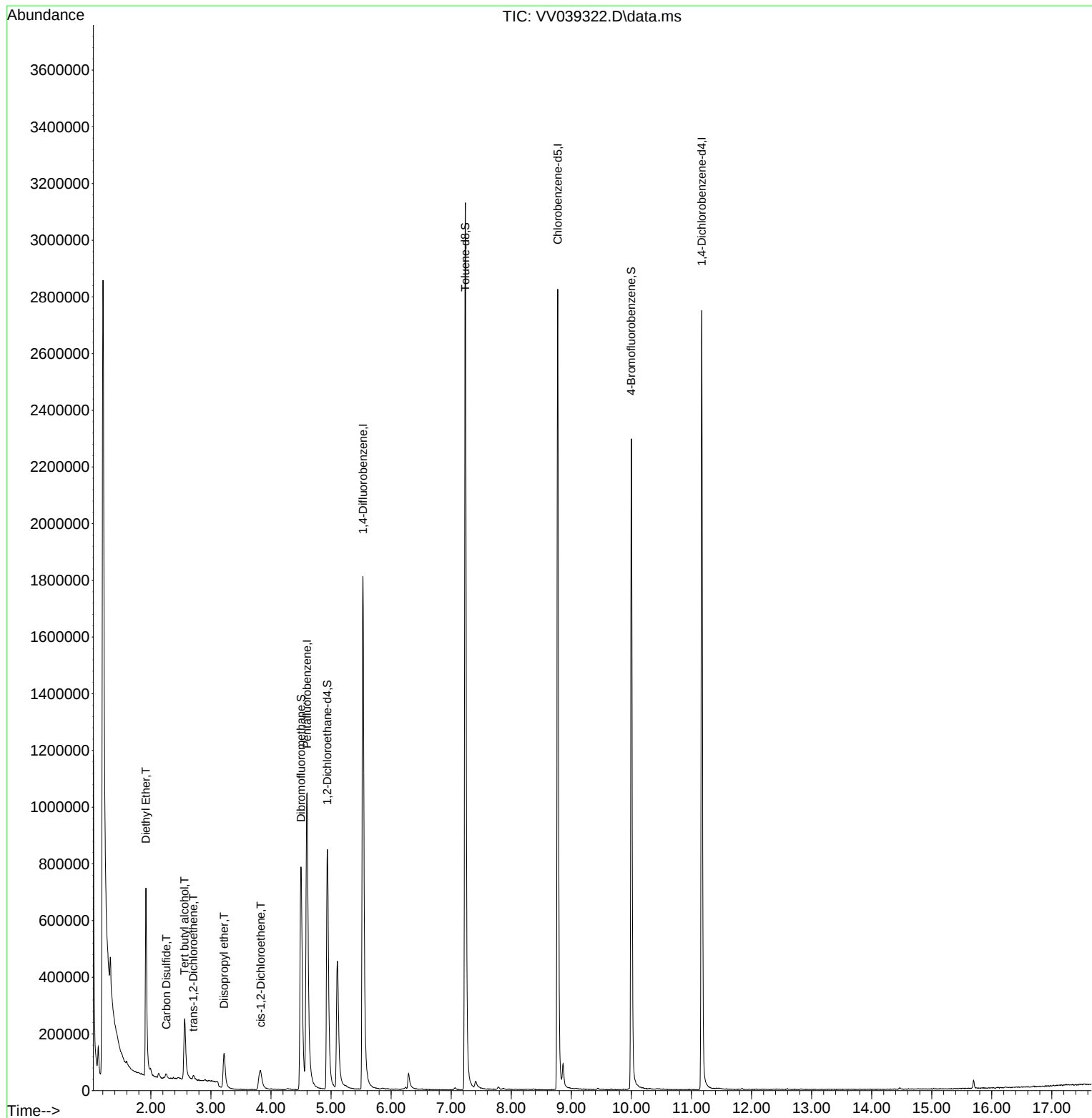
Internal Standards						
1) Pentafluorobenzene	4.600	168	916194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1787762	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1600815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	725582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	755450	58.028	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	116.060%
35) Dibromofluoromethane	4.500	113	668222	47.438	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	94.880%
50) Toluene-d8	7.236	98	2225824	46.448	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	92.900%
62) 4-Bromofluorobenzene	9.998	95	776019	45.470	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	90.940%
Target Compounds						
						Qvalue
8) Diethyl Ether	1.918	74	270465	35.620	ug/l	98
11) Tert butyl alcohol	2.561	59	266760	105.733	ug/l	99
17) Carbon Disulfide	2.259	76	25913	0.743	ug/l #	92
21) trans-1,2-Dichloroethene	2.706	96	4905	0.377	ug/l	84
22) Diisopropyl ether	3.220	45	130825	3.721	ug/l #	34
27) cis-1,2-Dichloroethene	3.831	96	23404	1.797	ug/l	95

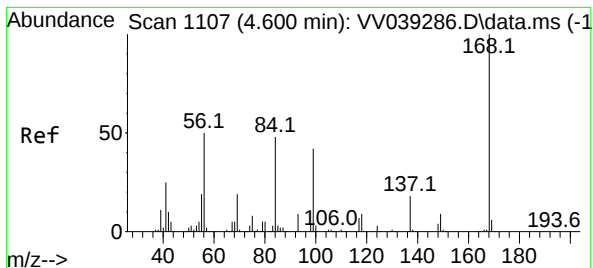
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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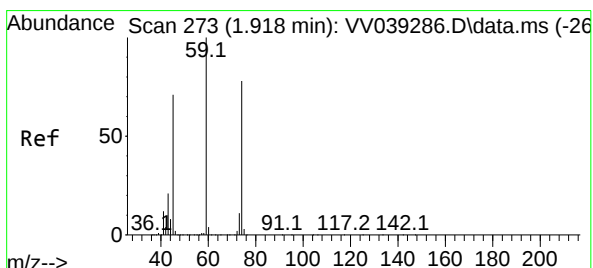
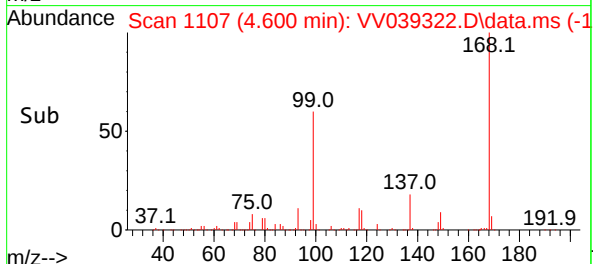
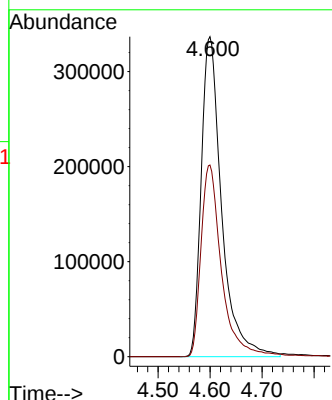
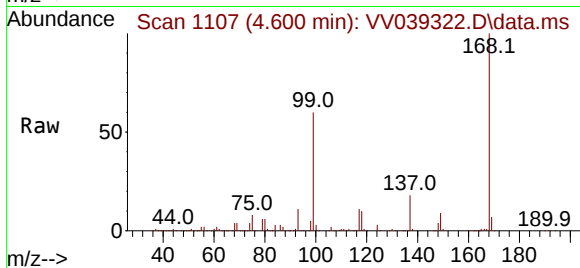




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

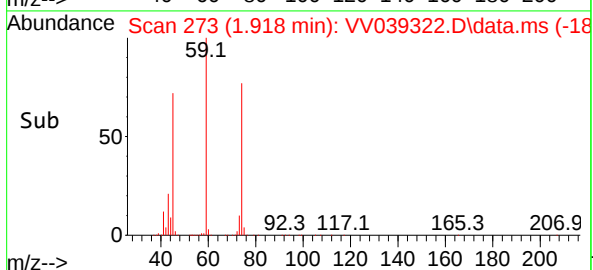
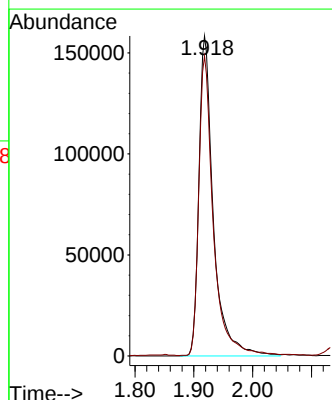
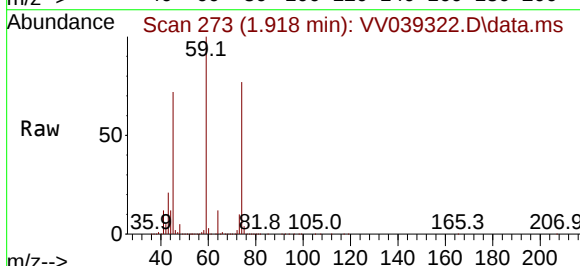
Instrument :
MSVOA_V
ClientSampleId :
MW-1

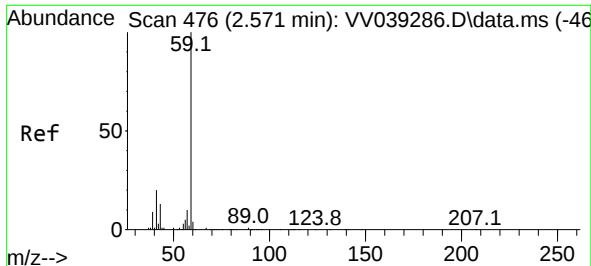
Tgt Ion:168 Resp: 916194
Ion Ratio Lower Upper
168 100
99 59.9 46.6 70.0



#8
Diethyl Ether
Concen: 35.620 ug/l
RT: 1.918 min Scan# 273
Delta R.T. 0.000 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Tgt Ion: 74 Resp: 270465
Ion Ratio Lower Upper
74 100
45 93.7 45.9 137.7

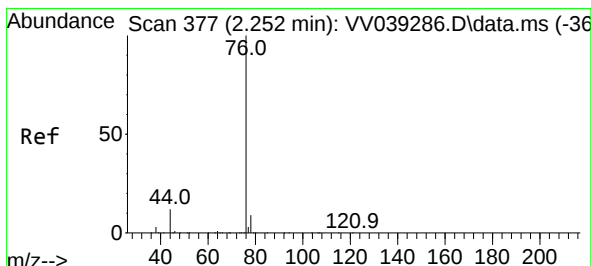
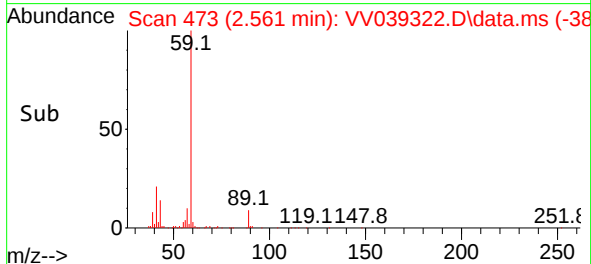
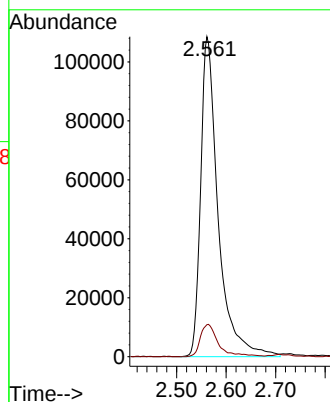
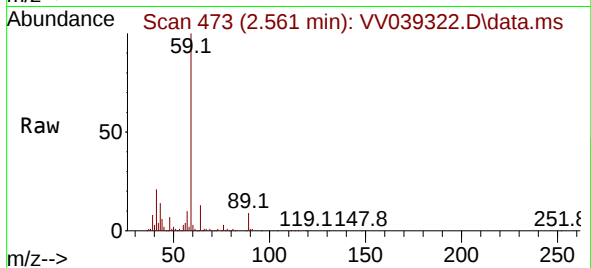




#11
Tert butyl alcohol
Concen: 105.733 ug/l
RT: 2.561 min Scan# 41
Delta R.T. -0.010 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

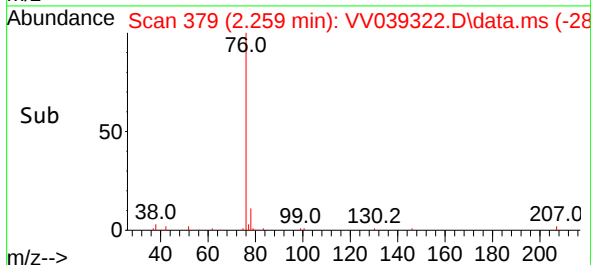
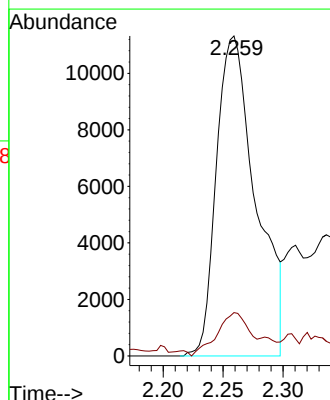
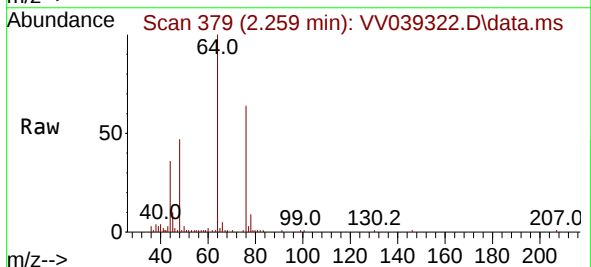
Instrument :
MSVOA_V
ClientSampleId :
MW-1

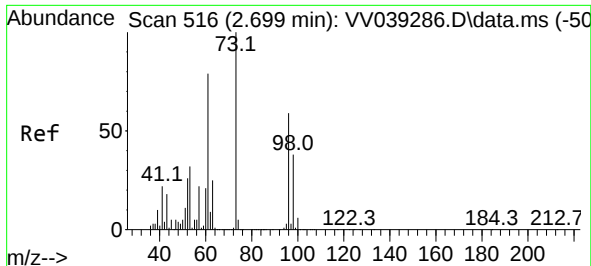
Tgt Ion: 59 Resp: 266760
Ion Ratio Lower Upper
59 100
57 9.8 8.1 12.1



#17
Carbon Disulfide
Concen: 0.743 ug/l
RT: 2.259 min Scan# 379
Delta R.T. 0.007 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Tgt Ion: 76 Resp: 25913
Ion Ratio Lower Upper
76 100
78 12.0 7.4 11.0#

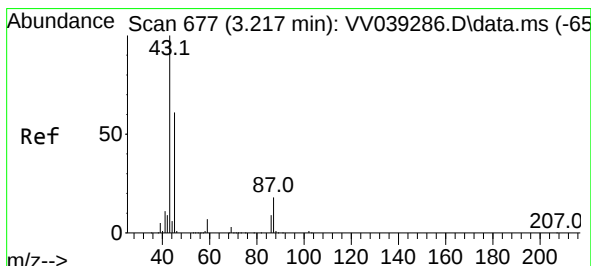
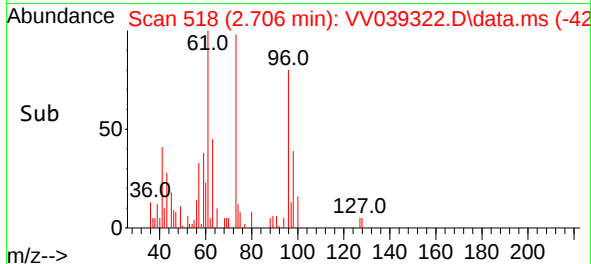
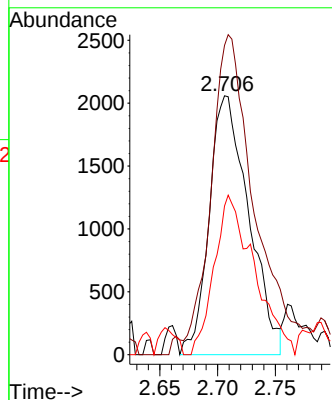
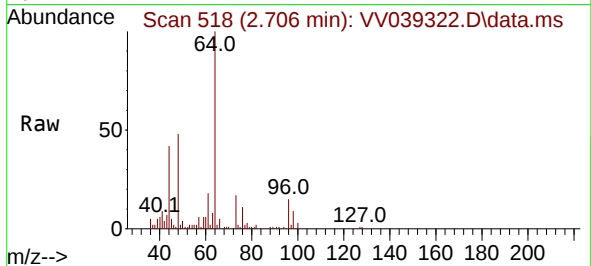




#21
trans-1,2-Dichloroethene
Concen: 0.377 ug/l
RT: 2.706 min Scan# 516
Delta R.T. 0.007 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

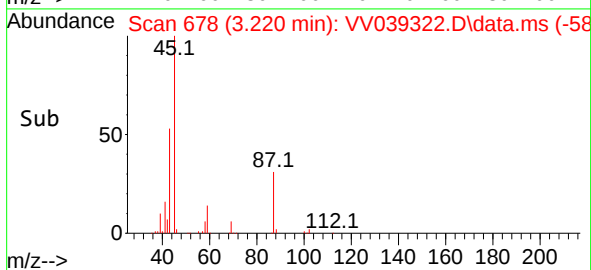
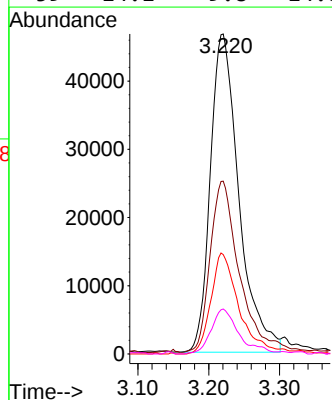
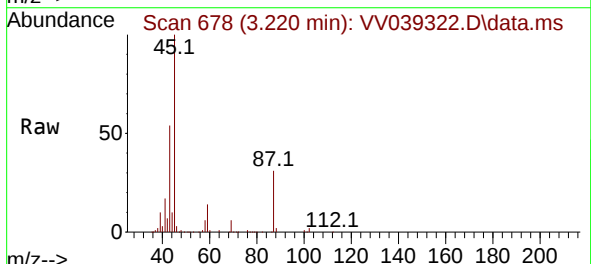
Instrument :
MSVOA_V
ClientSampleId :
MW-1

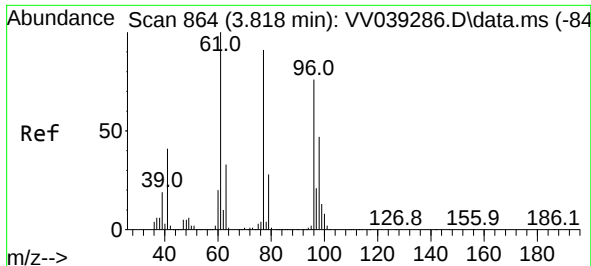
Tgt Ion: 96 Resp: 4905
Ion Ratio Lower Upper
96 100
61 113.8 106.8 160.2
98 51.8 51.1 76.7



#22
Diisopropyl ether
Concen: 3.721 ug/l
RT: 3.220 min Scan# 678
Delta R.T. 0.003 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Tgt Ion: 45 Resp: 130825
Ion Ratio Lower Upper
45 100
43 53.7 130.8 196.2#
87 31.2 23.8 35.8
59 14.1 9.8 14.8

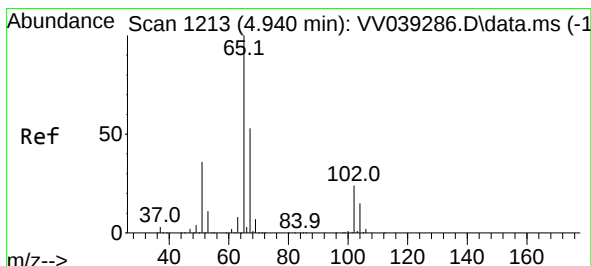
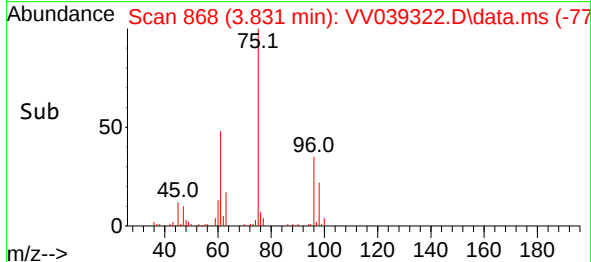
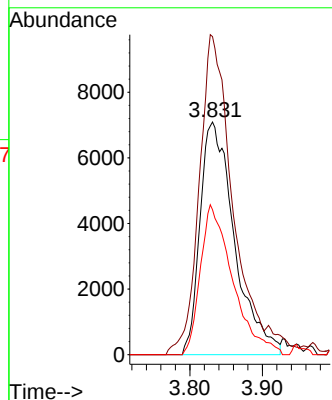
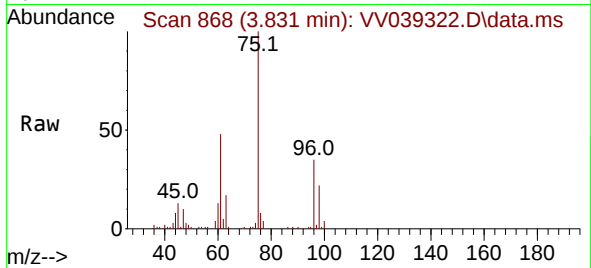




#27
 cis-1,2-Dichloroethene
 Concen: 1.797 ug/l
 RT: 3.831 min Scan# 80
 Delta R.T. 0.013 min
 Lab File: VV039322.D
 Acq: 04 Nov 2025 18:09

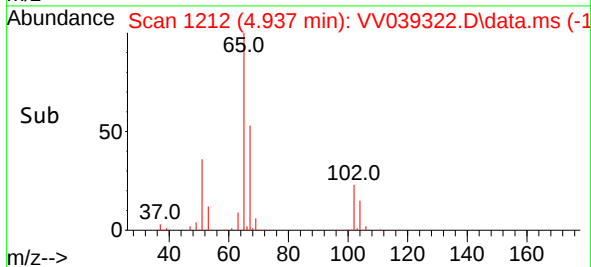
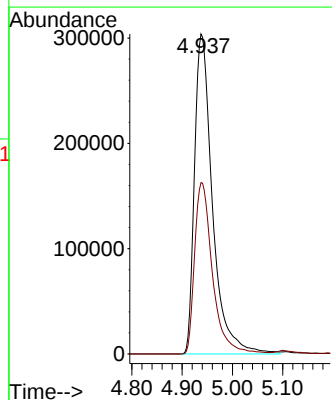
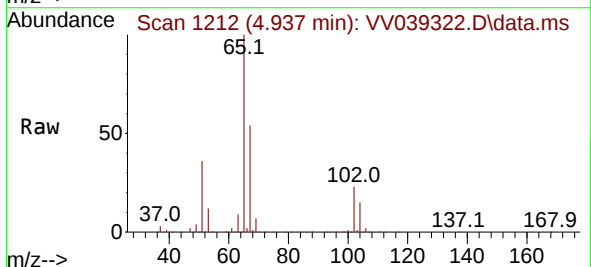
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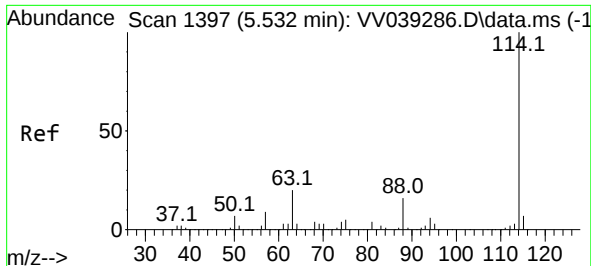
Tgt Ion: 96 Resp: 23404
 Ion Ratio Lower Upper
 96 100
 61 130.5 0.0 275.0
 98 60.5 0.0 127.8



#33
 1,2-Dichloroethane-d4
 Concen: 58.028 ug/l
 RT: 4.937 min Scan# 1212
 Delta R.T. -0.003 min
 Lab File: VV039322.D
 Acq: 04 Nov 2025 18:09

Tgt Ion: 65 Resp: 755450
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.4

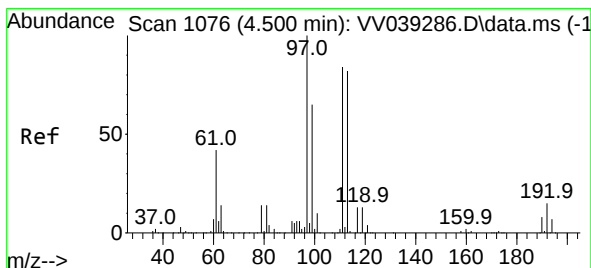
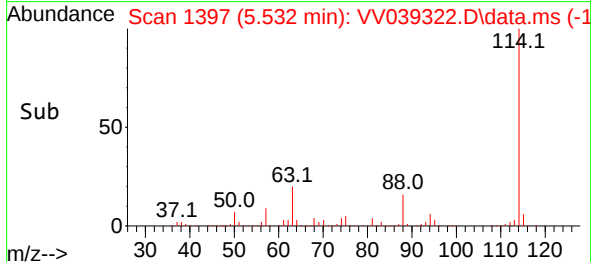
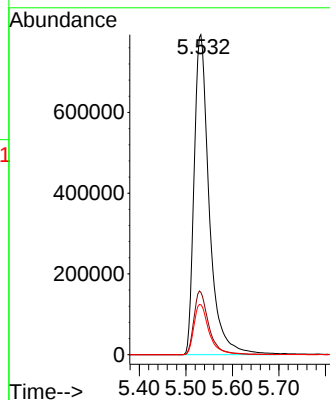
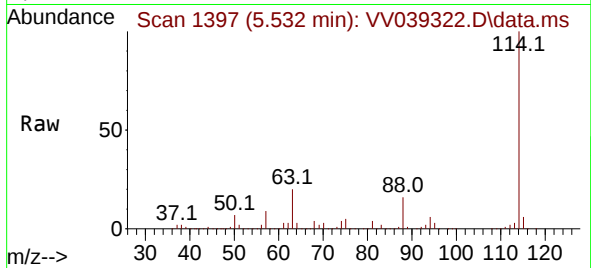




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

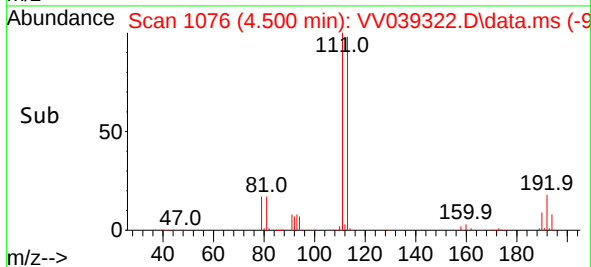
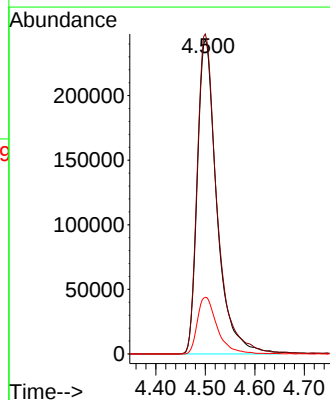
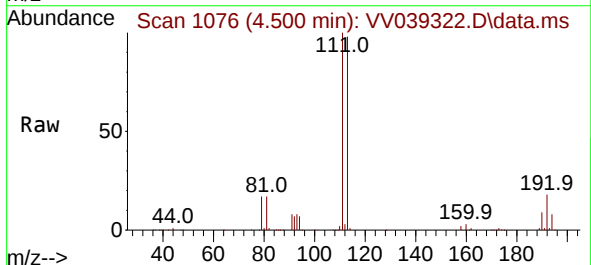
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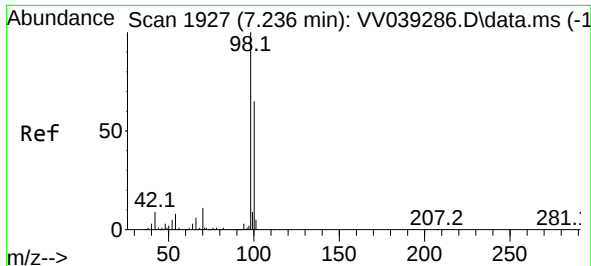
Tgt Ion:114 Resp: 1787762
Ion Ratio Lower Upper
114 100
63 19.5 0.0 39.6
88 15.6 0.0 31.6



#35
Dibromofluoromethane
Concen: 47.438 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Tgt Ion:113 Resp: 668222
Ion Ratio Lower Upper
113 100
111 102.7 82.0 123.0
192 18.3 14.3 21.5

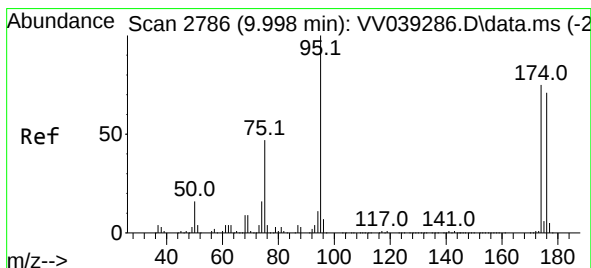
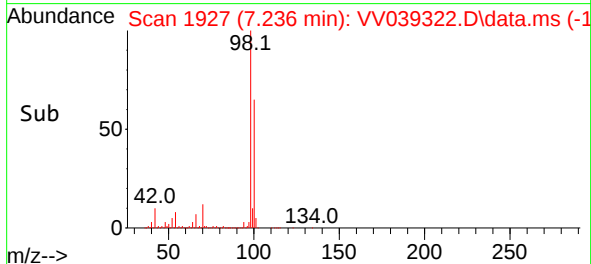
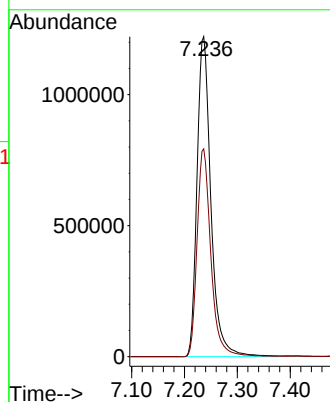
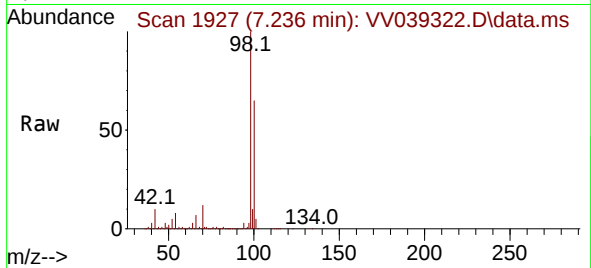




#50
Toluene-d8
Concen: 46.448 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

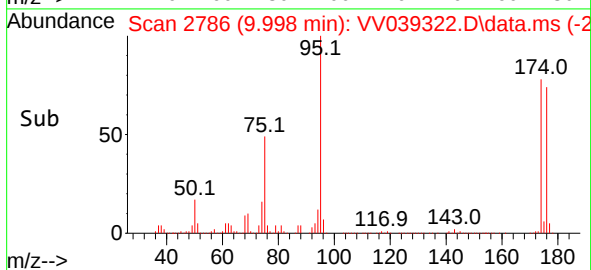
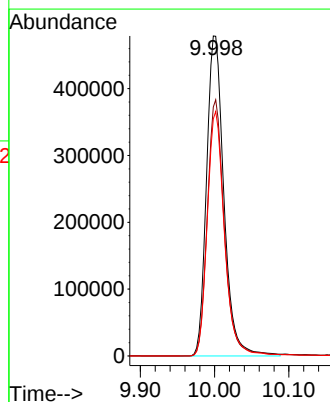
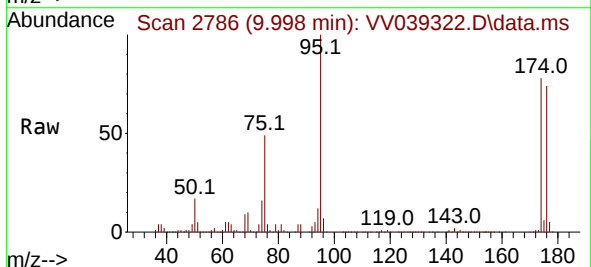
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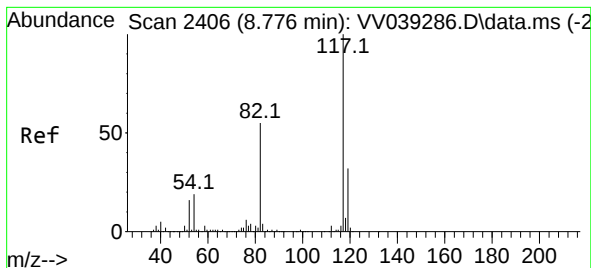
Tgt Ion: 98 Resp: 2225824
Ion Ratio Lower Upper
98 100
100 64.6 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 45.470 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Tgt Ion: 95 Resp: 776019
Ion Ratio Lower Upper
95 100
174 79.2 0.0 153.6
176 75.5 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: VV039322.D

Acq: 04 Nov 2025 18:09

Instrument :

MSVOA_V

ClientSampleId :

MW-1

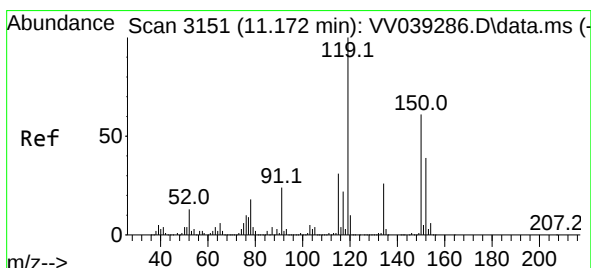
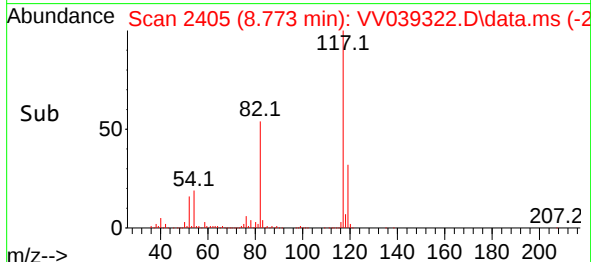
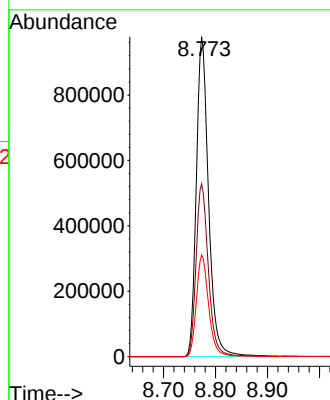
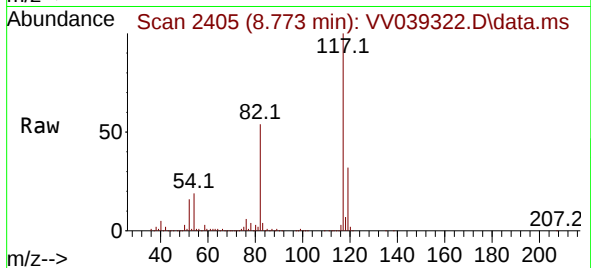
Tgt Ion:117 Resp: 1600815

Ion Ratio Lower Upper

117 100

82 54.0 43.8 65.8

119 31.8 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VV039322.D

Acq: 04 Nov 2025 18:09

Tgt Ion:152 Resp: 725582

Ion Ratio Lower Upper

152 100

115 61.1 42.3 126.8

150 158.4 0.0 348.0

