

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV039002.D
 Acq On : 21 Aug 2025 23:16
 Operator : SY/MD
 Sample : Q2924-09
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-16C-082025

Quant Time: Aug 22 04:41:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 04:15:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

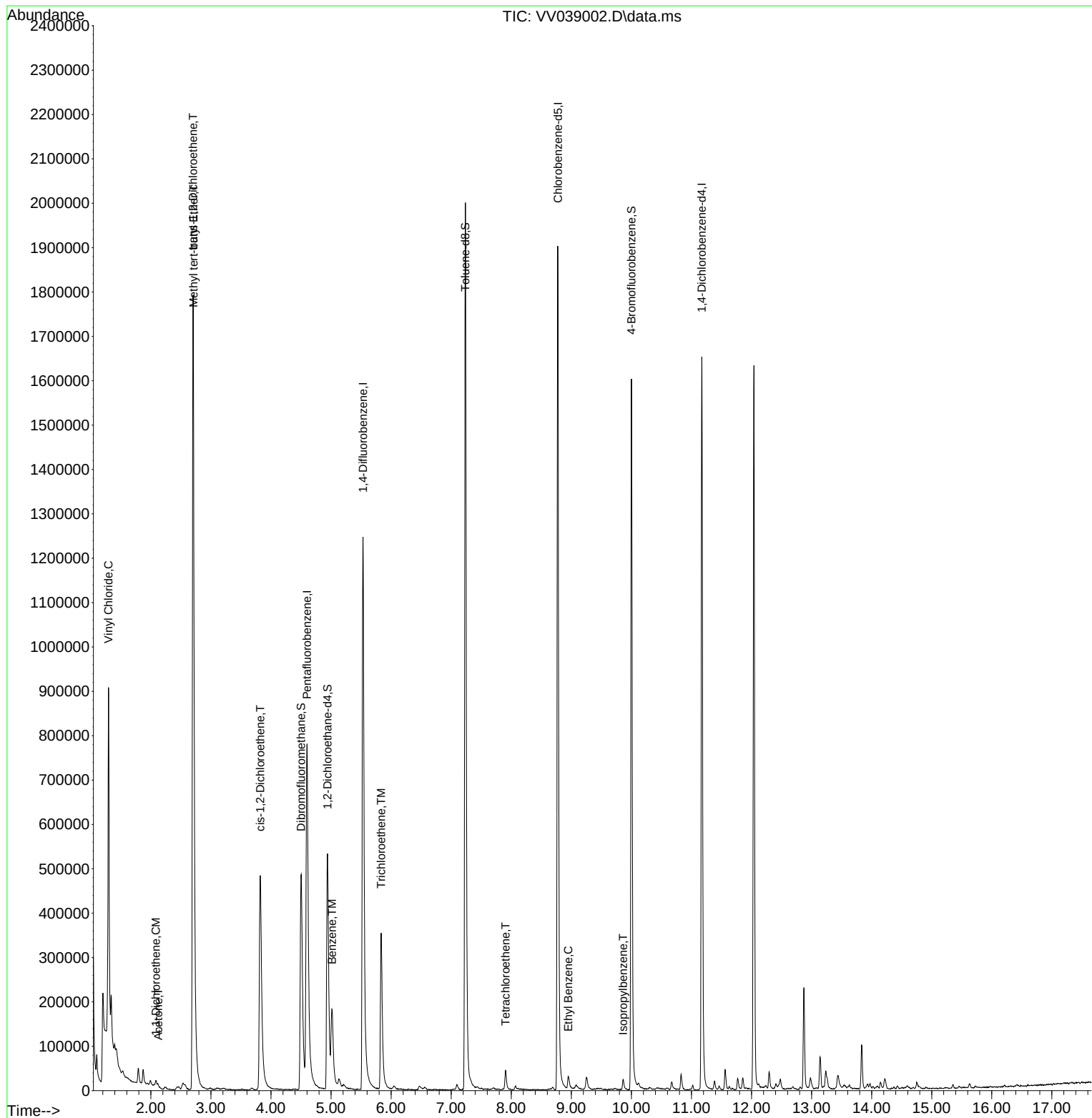
Internal Standards						
1) Pentafluorobenzene	4.600	168	675326	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1219427	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.777	117	1080769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	439427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	482505	50.919	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	101.840%
35) Dibromofluoromethane	4.500	113	409016	44.725	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	89.460%
50) Toluene-d8	7.236	98	1409684	44.205	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	88.420%#
62) 4-Bromofluorobenzene	10.002	95	532675	45.661	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	91.320%
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.295	62	591550	53.763	ug/l	91
12) 1,1-Dichloroethene	2.082	96	4993	0.651	ug/l	94
16) Acetone	2.124	43	5193	1.365	ug/l #	86
19) Methyl tert-butyl Ether	2.709	73	400900	17.690	ug/l	97
21) trans-1,2-Dichloroethene	2.703	96	682823	85.535	ug/l	96
27) cis-1,2-Dichloroethene	3.822	96	315229	32.717	ug/l	94
40) Benzene	5.015	78	206110	5.541	ug/l	97
44) Trichloroethene	5.835	130	148094	14.677	ug/l	93
64) Tetrachloroethene	7.905	164	10600	1.318	ug/l	94
67) Ethyl Benzene	8.950	91	24078	0.605	ug/l	94
73) Isopropylbenzene	9.863	105	15900	0.539	ug/l	99

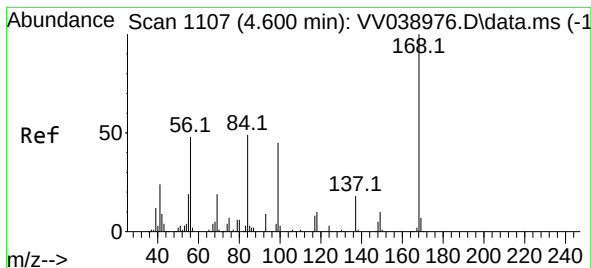
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
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MW-16C-082025

Quant Time: Aug 22 04:41:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 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: VV039002.D

Acq: 21 Aug 2025 23:16

Instrument :

MSVOA_V

ClientSampleId :

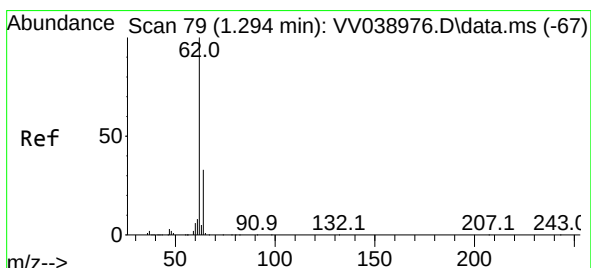
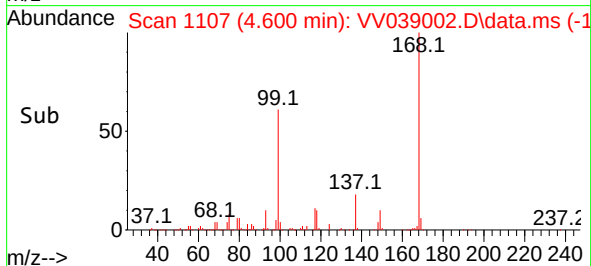
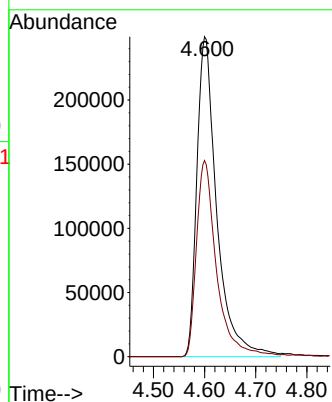
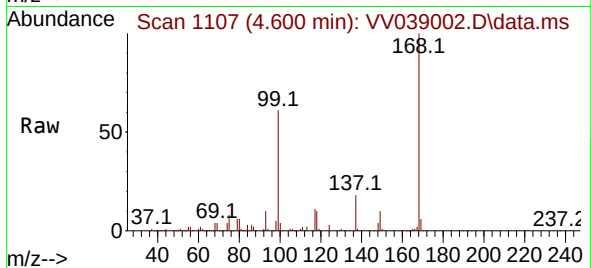
MW-16C-082025

Tgt Ion:168 Resp: 675326

Ion Ratio Lower Upper

168 100

99 61.3 47.0 70.6



#4

Vinyl Chloride

Concen: 53.763 ug/l

RT: 1.295 min Scan# 79

Delta R.T. 0.000 min

Lab File: VV039002.D

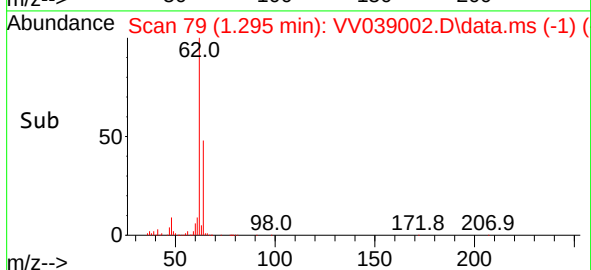
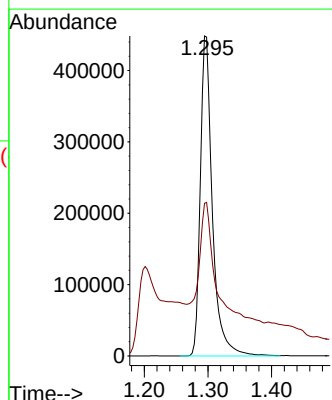
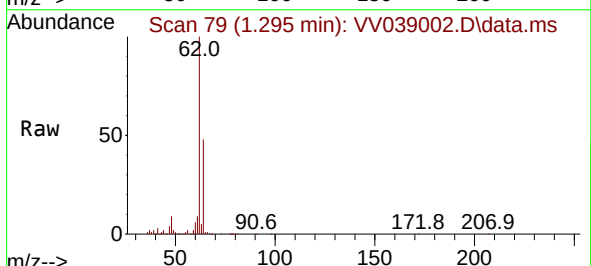
Acq: 21 Aug 2025 23:16

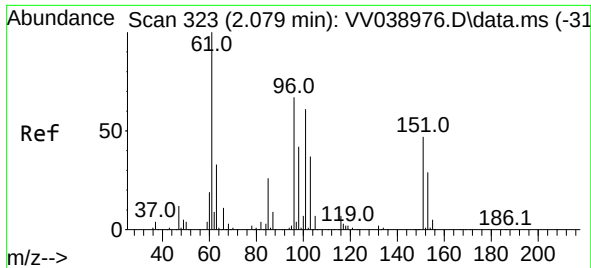
Tgt Ion: 62 Resp: 591550

Ion Ratio Lower Upper

62 100

64 37.9 26.4 39.6

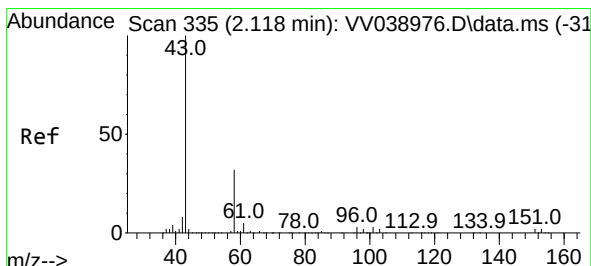
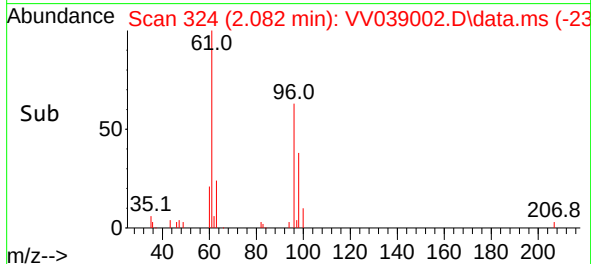
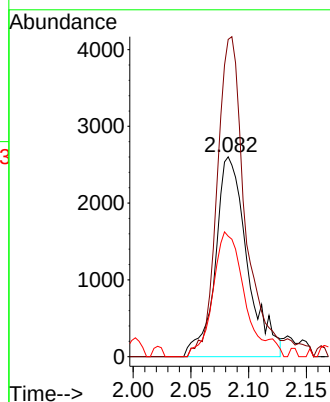
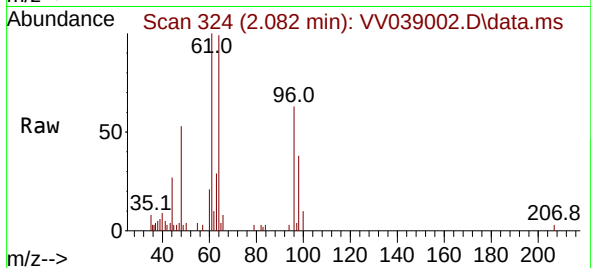




#12
1,1-Dichloroethene
Concen: 0.651 ug/l
RT: 2.082 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

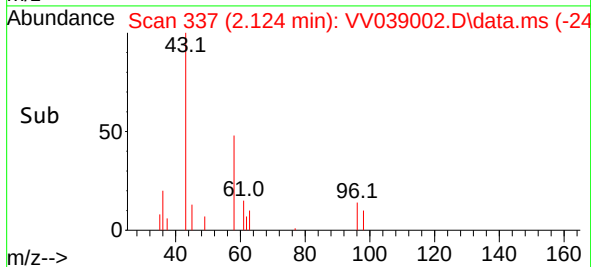
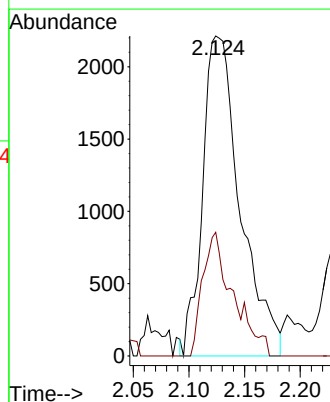
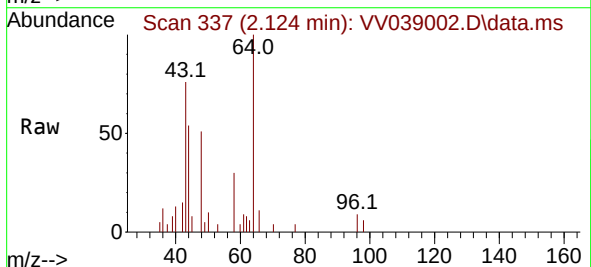
Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

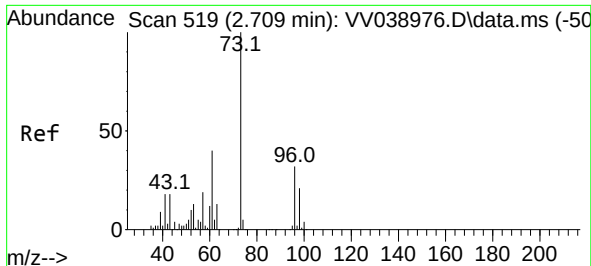
Tgt Ion: 96 Resp: 4993
Ion Ratio Lower Upper
96 100
61 158.8 119.8 179.8
98 60.3 50.2 75.2



#16
Acetone
Concen: 1.365 ug/l
RT: 2.124 min Scan# 337
Delta R.T. 0.006 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Tgt Ion: 43 Resp: 5193
Ion Ratio Lower Upper
43 100
58 40.8 26.3 39.5#

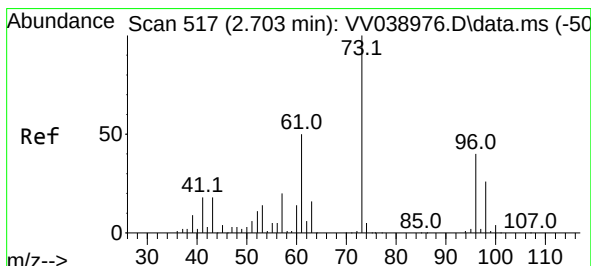
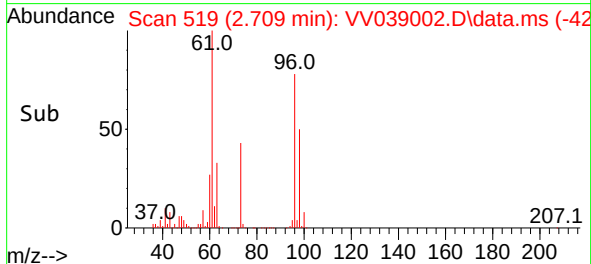
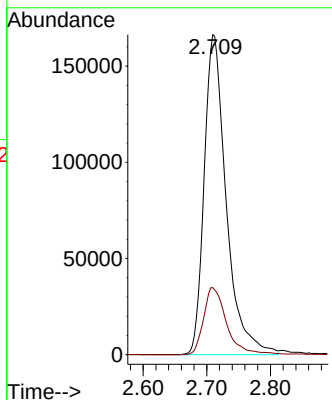
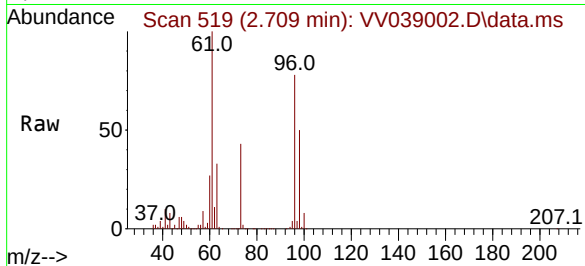




#19
Methyl tert-butyl Ether
Concen: 17.690 ug/l
RT: 2.709 min Scan# 519
Delta R.T. 0.000 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

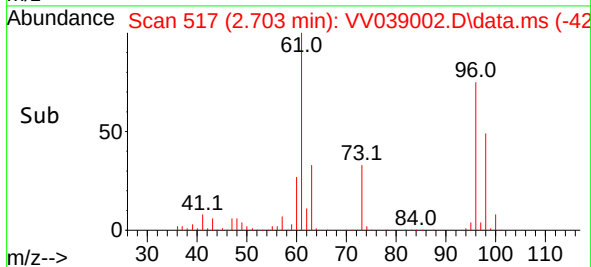
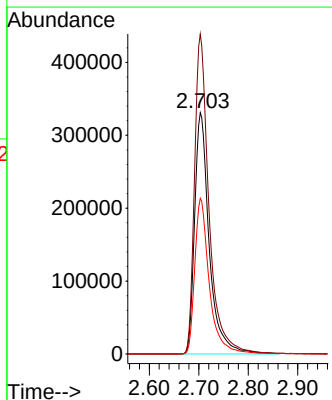
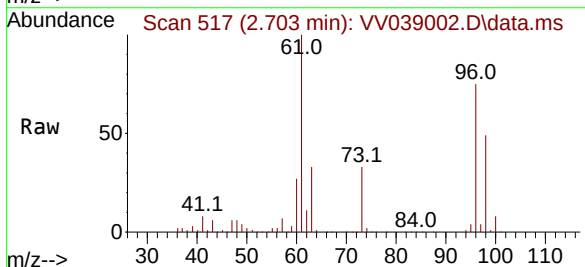
Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

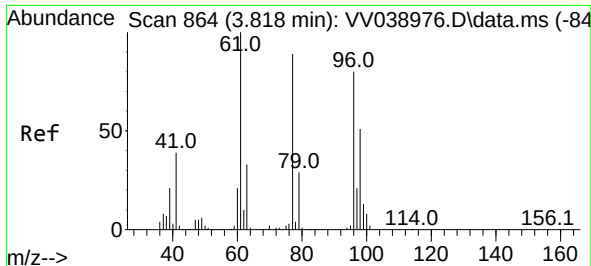
Tgt Ion: 73 Resp: 400900
Ion Ratio Lower Upper
73 100
57 21.0 15.7 23.5



#21
trans-1,2-Dichloroethene
Concen: 85.535 ug/l
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Tgt Ion: 96 Resp: 682823
Ion Ratio Lower Upper
96 100
61 132.6 100.6 151.0
98 64.5 51.5 77.3

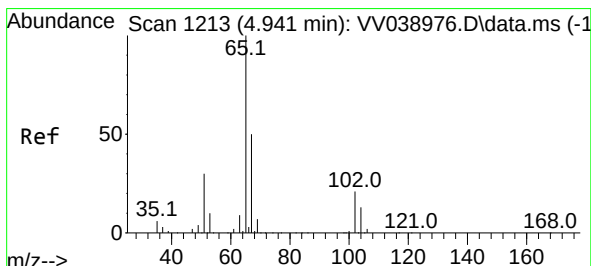
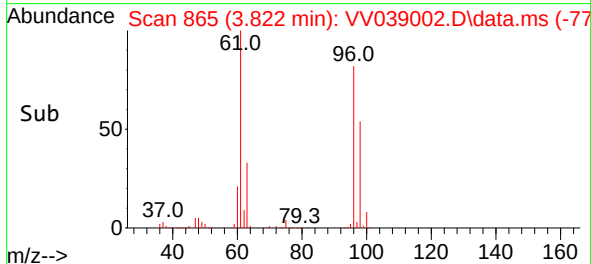
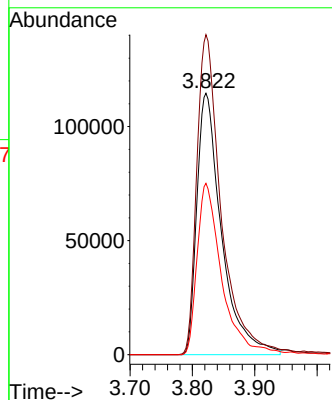
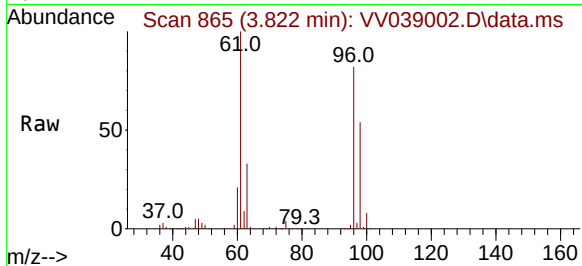




#27
 cis-1,2-Dichloroethene
 Concen: 32.717 ug/l
 RT: 3.822 min Scan# 865
 Delta R.T. 0.004 min
 Lab File: VV039002.D
 Acq: 21 Aug 2025 23:16

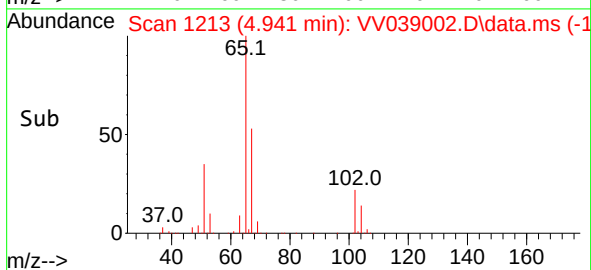
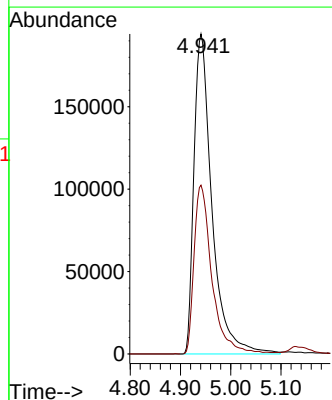
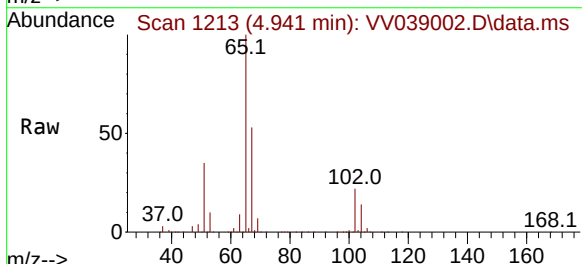
Instrument :
 MSVOA_V
 ClientSampleId :
 MW-16C-082025

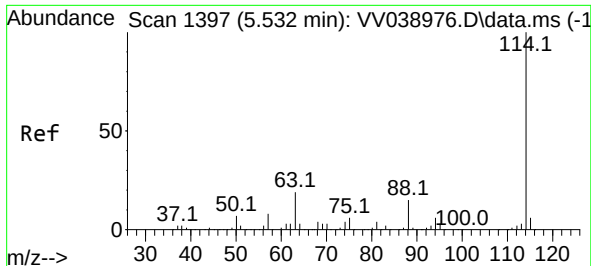
Tgt Ion: 96 Resp: 315229
 Ion Ratio Lower Upper
 96 100
 61 121.9 0.0 264.4
 98 65.1 0.0 131.8



#33
 1,2-Dichloroethane-d4
 Concen: 50.919 ug/l
 RT: 4.941 min Scan# 1213
 Delta R.T. 0.000 min
 Lab File: VV039002.D
 Acq: 21 Aug 2025 23:16

Tgt Ion: 65 Resp: 482505
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 100.4

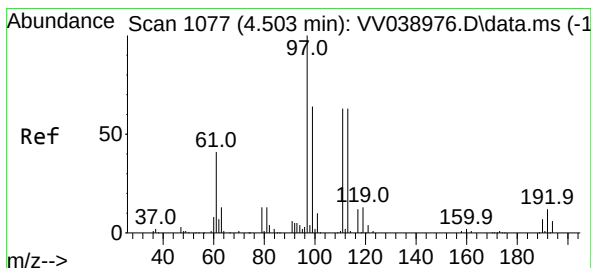
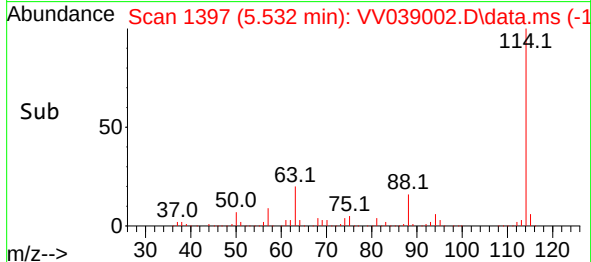
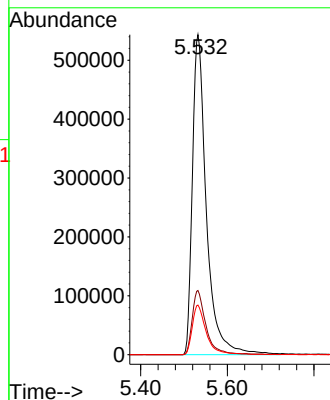
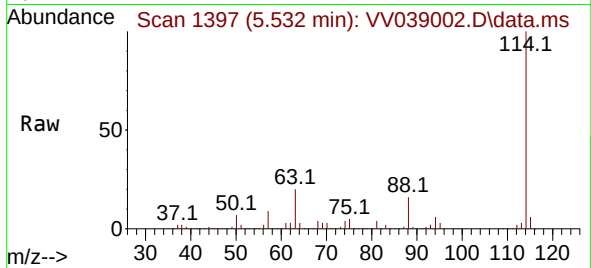




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

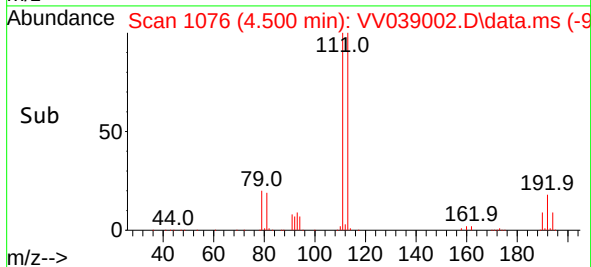
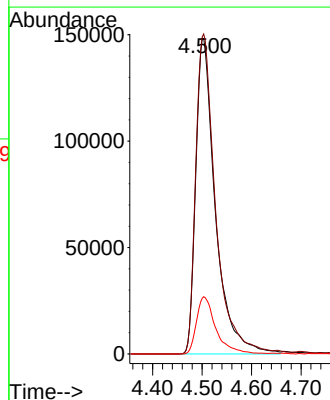
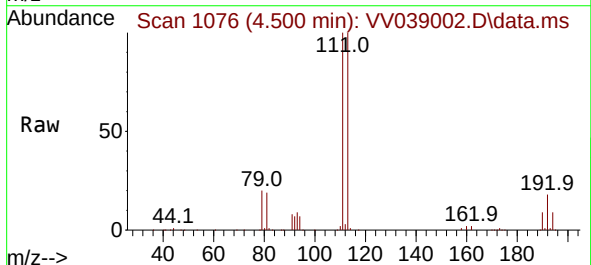
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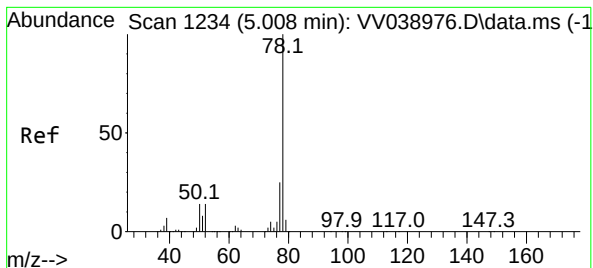
Tgt Ion:114 Resp: 1219427
Ion Ratio Lower Upper
114 100
63 20.1 0.0 37.4
88 15.5 0.0 30.4



#35
Dibromofluoromethane
Concen: 44.725 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. -0.003 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Tgt Ion:113 Resp: 409016
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 18.0 15.4 23.0





#40

Benzene

Concen: 5.541 ug/l

RT: 5.015 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV039002.D

Acq: 21 Aug 2025 23:16

Instrument :

MSVOA_V

ClientSampleId :

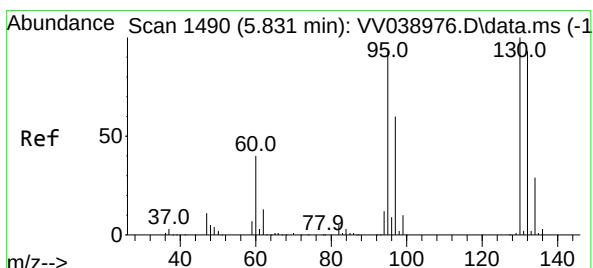
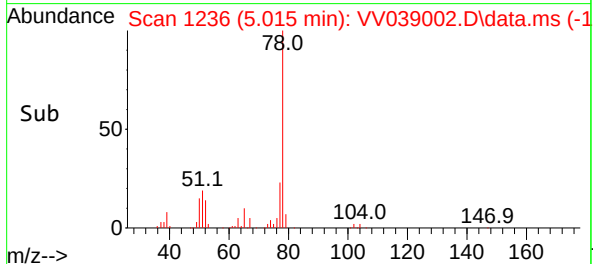
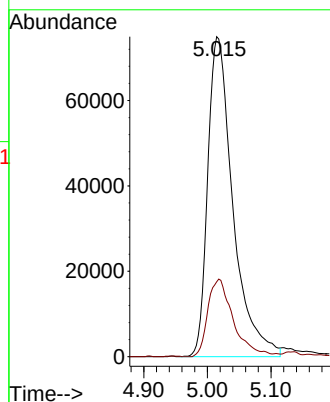
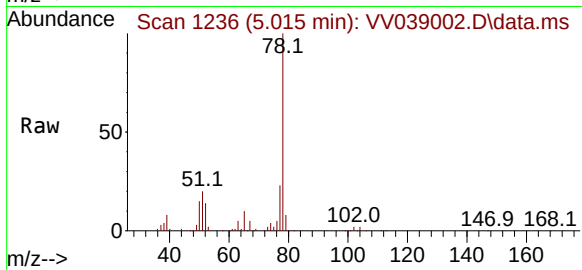
MW-16C-082025

Tgt Ion: 78 Resp: 206110

Ion Ratio Lower Upper

78 100

77 23.2 19.6 29.4



#44

Trichloroethene

Concen: 14.677 ug/l

RT: 5.835 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV039002.D

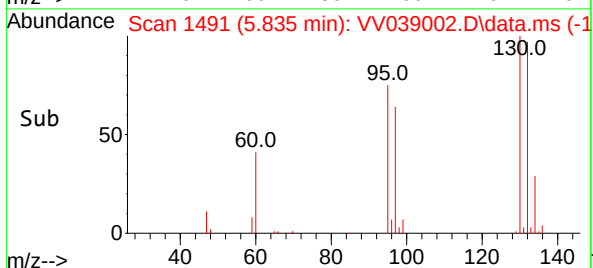
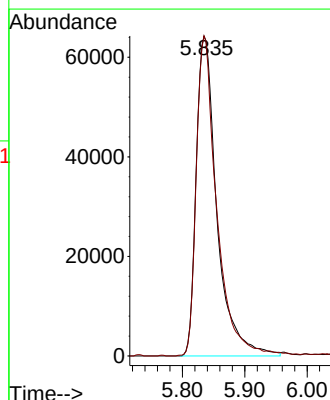
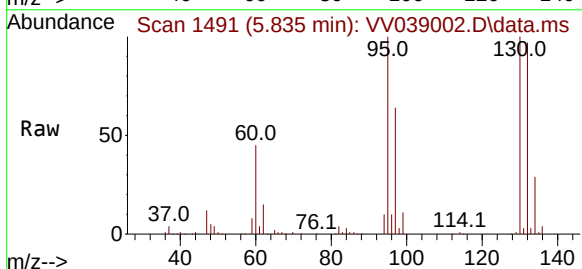
Acq: 21 Aug 2025 23:16

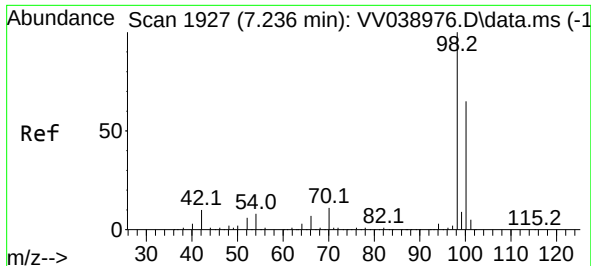
Tgt Ion:130 Resp: 148094

Ion Ratio Lower Upper

130 100

95 99.8 0.0 186.6

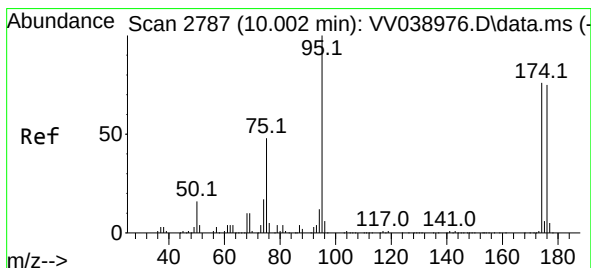
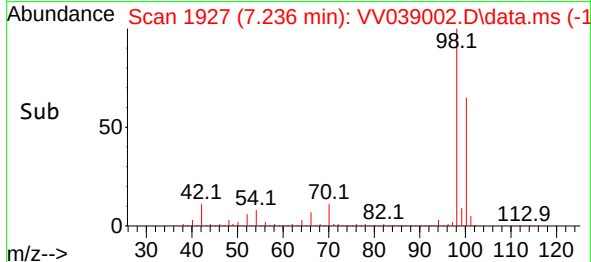
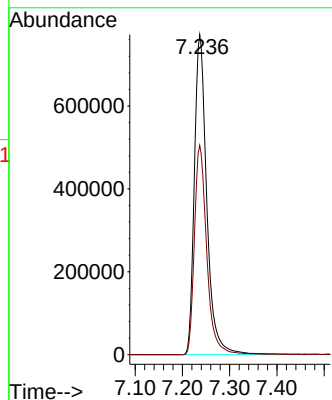
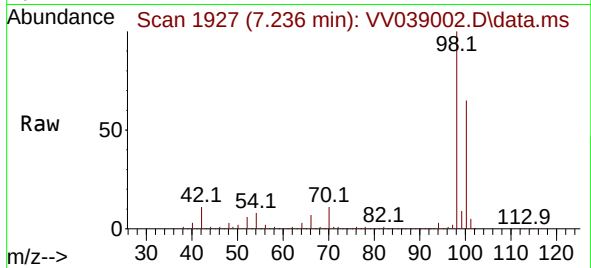




#50
Toluene-d8
Concen: 44.205 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

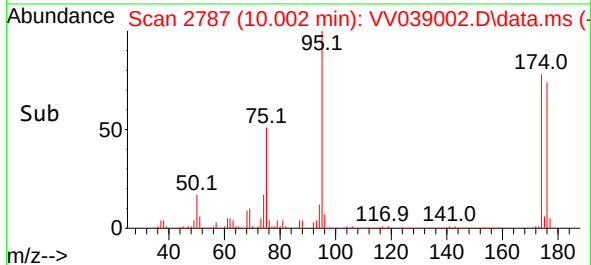
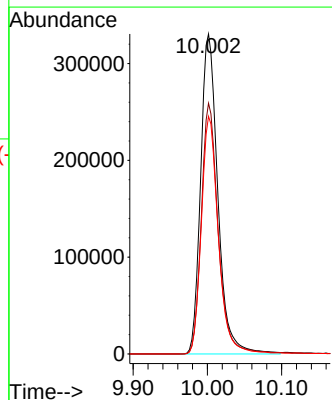
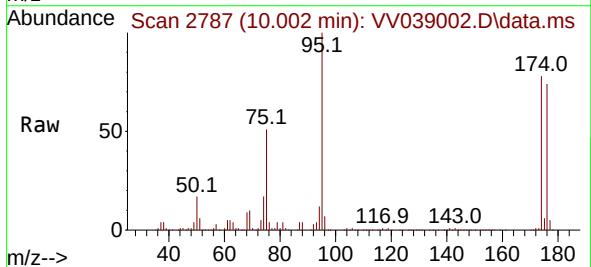
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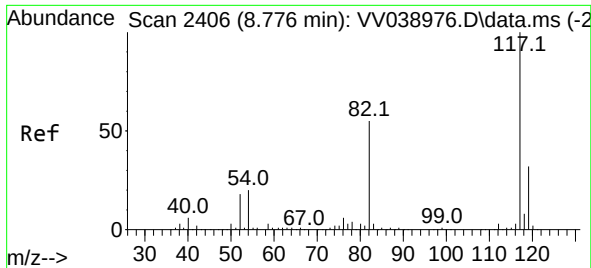
Tgt Ion: 98 Resp: 1409684
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 45.661 ug/l
RT: 10.002 min Scan# 2787
Delta R.T. 0.000 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Tgt Ion: 95 Resp: 532675
Ion Ratio Lower Upper
95 100
174 77.2 0.0 154.4
176 73.3 0.0 148.6

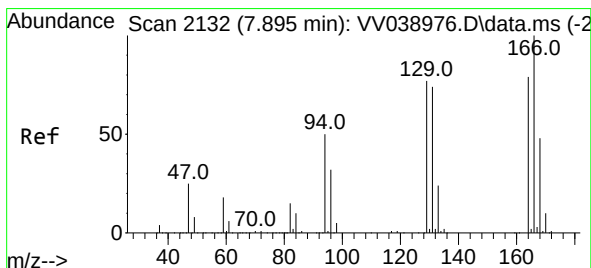
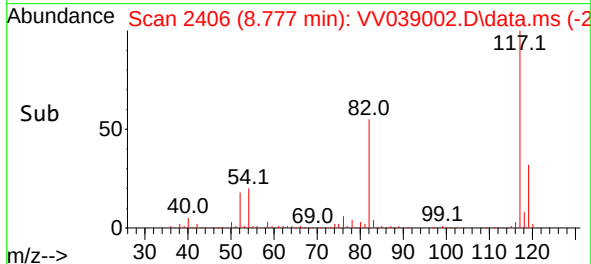
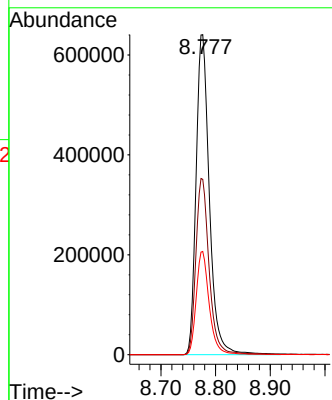
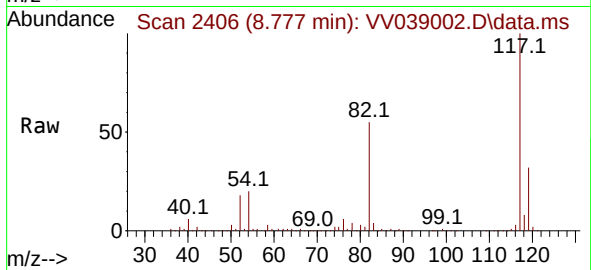




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.777 min Scan# 2406
Delta R.T. 0.001 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

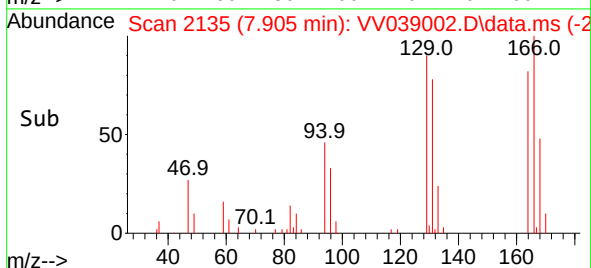
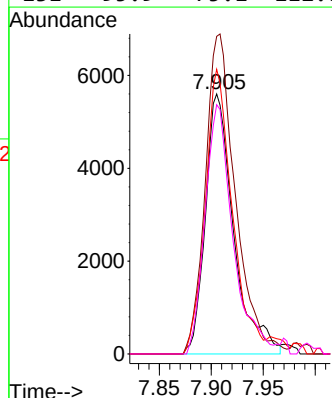
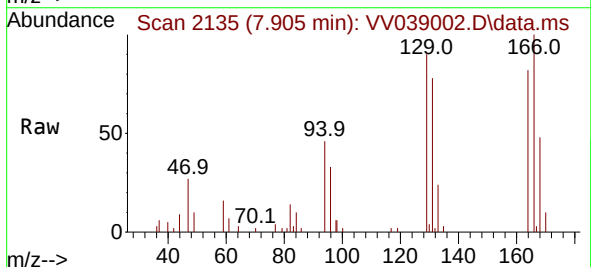
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MSVOA_V
ClientSampleId :
MW-16C-082025

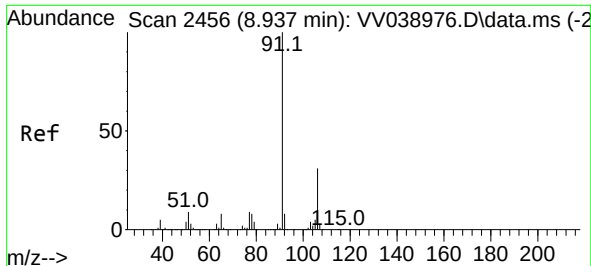
Tgt Ion:117 Resp: 1080769
Ion Ratio Lower Upper
117 100
82 54.8 44.4 66.6
119 32.2 26.0 39.0



#64
Tetrachloroethene
Concen: 1.318 ug/l
RT: 7.905 min Scan# 2135
Delta R.T. 0.010 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Tgt Ion:164 Resp: 10600
Ion Ratio Lower Upper
164 100
166 122.2 101.8 152.6
129 109.5 78.7 118.1
131 95.9 75.1 112.7





#67

Ethyl Benzene

Concen: 0.605 ug/l

RT: 8.950 min Scan# 2456

Delta R.T. 0.013 min

Lab File: VV039002.D

Acq: 21 Aug 2025 23:16

Instrument :

MSVOA_V

ClientSampleId :

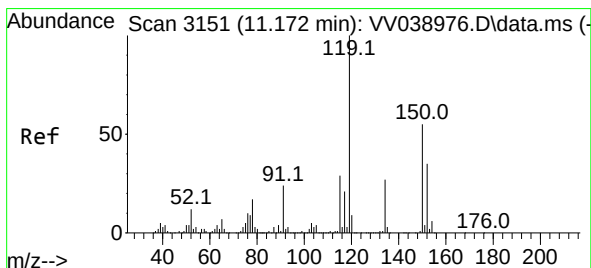
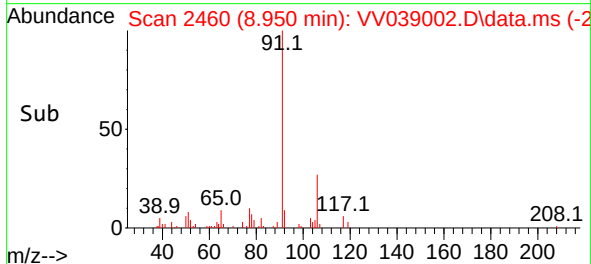
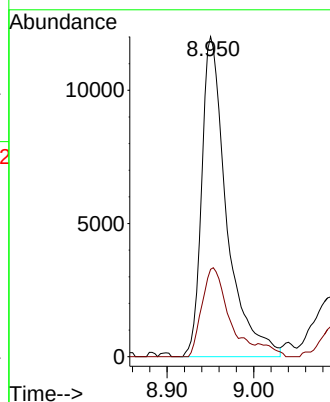
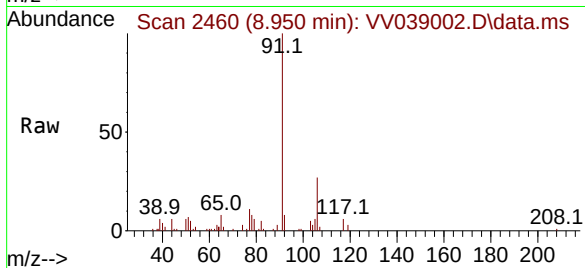
MW-16C-082025

Tgt Ion: 91 Resp: 24078

Ion Ratio Lower Upper

91 100

106 27.3 24.6 36.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VV039002.D

Acq: 21 Aug 2025 23:16

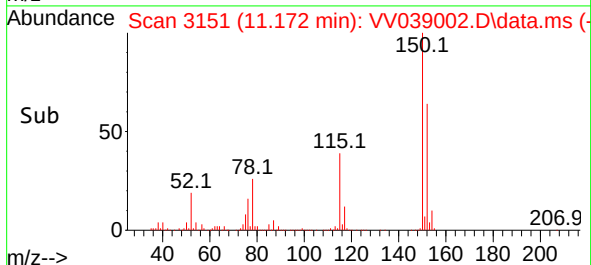
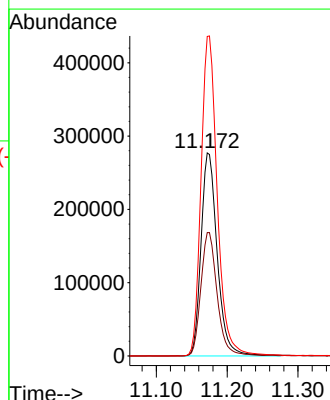
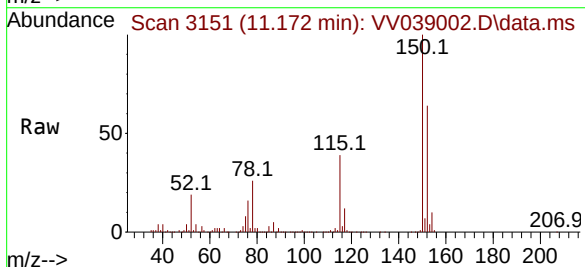
Tgt Ion: 152 Resp: 439427

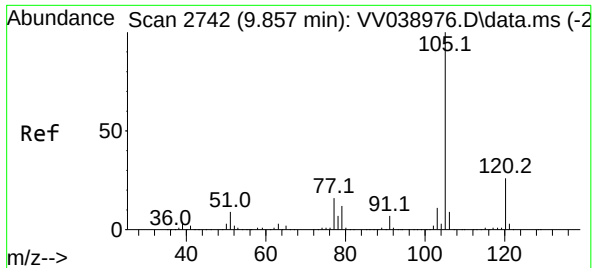
Ion Ratio Lower Upper

152 100

115 61.0 42.5 127.5

150 158.2 0.0 344.8





#73
Isopropylbenzene
Concen: 0.539 ug/l
RT: 9.863 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV039002.D
Acq: 21 Aug 2025 23:16

Instrument :
MSVOA_V
ClientSampleId :
MW-16C-082025

Tgt Ion:105 Resp: 15900
Ion Ratio Lower Upper
105 100
120 25.6 13.1 39.1

