

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
 Data File : VV039341.D
 Acq On : 05 Nov 2025 17:20
 Operator : SY/MD
 Sample : Q3552-05
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-3

Quant Time: Nov 06 00:18:38 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)

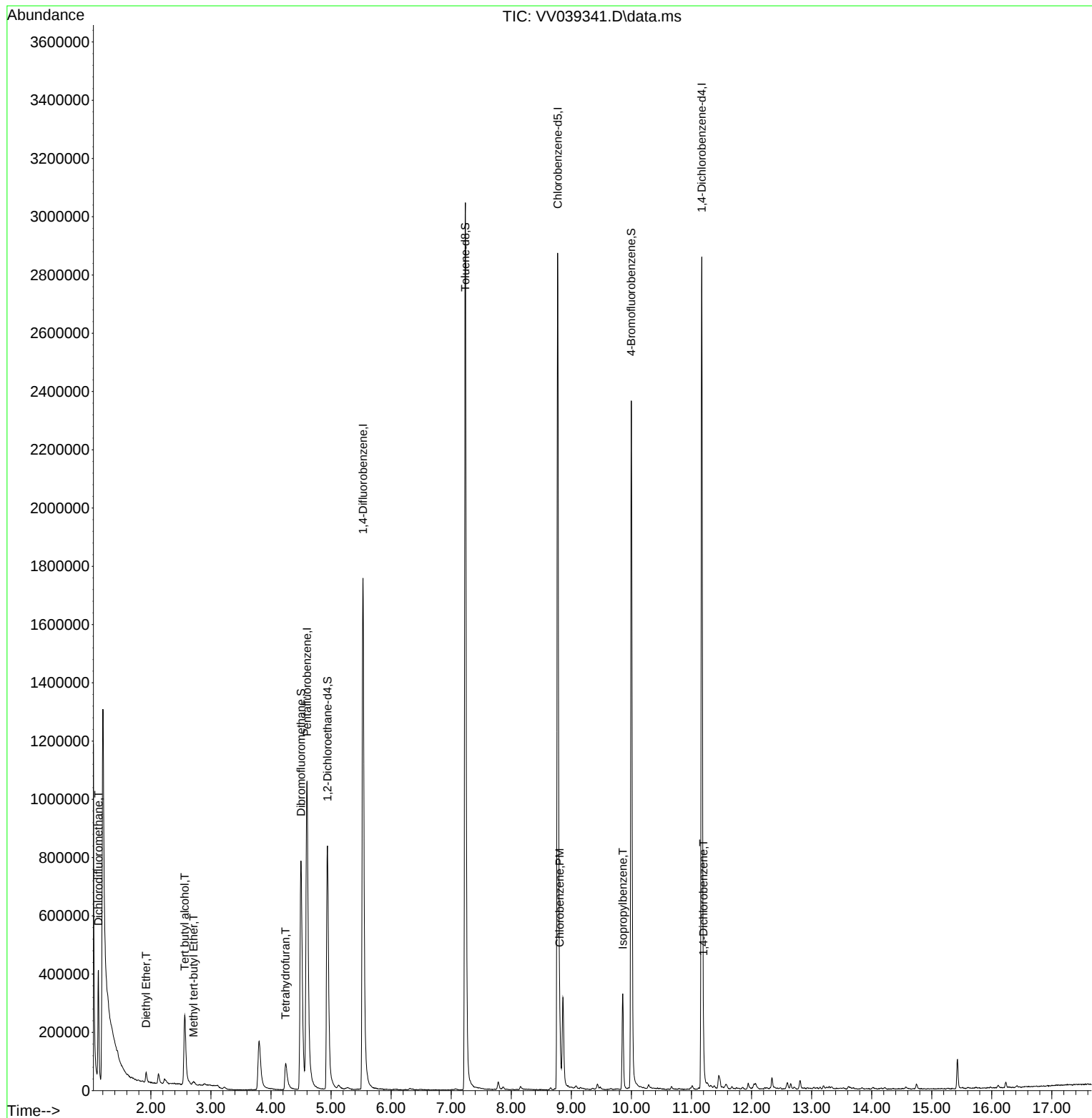
Internal Standards						
1) Pentafluorobenzene	4.600	168	929578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1730000	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1622898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	753769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	738888	55.939	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 111.880%	
35) Dibromofluoromethane	4.500	113	664719	48.765	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 97.520%	
50) Toluene-d8	7.236	98	2155329	46.478	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 92.960%	
62) 4-Bromofluorobenzene	9.998	95	807720	48.908	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 97.820%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	6847	0.583	ug/l	100
8) Diethyl Ether	1.921	74	13970	1.813	ug/l	92
11) Tert butyl alcohol	2.564	59	264639	103.382	ug/l	96
19) Methyl tert-butyl Ether	2.712	73	11311	0.300	ug/l	96
29) Tetrahydrofuran	4.243	42	76493	14.810	ug/l	97
65) Chlorobenzene	8.805	112	124056	3.229	ug/l	100
73) Isopropylbenzene	9.857	105	202650	4.427	ug/l	99
88) 1,4-Dichlorobenzene	11.197	146	35896	1.278	ug/l #	69

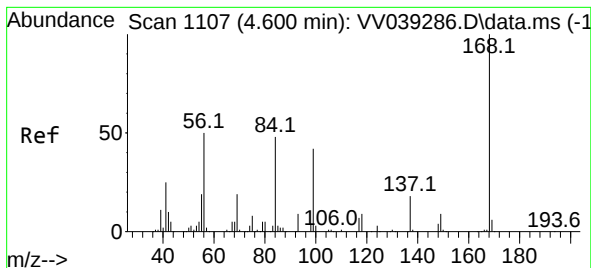
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
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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# 11

Delta R.T. -0.000 min

Lab File: VV039341.D

Acq: 05 Nov 2025 17:20

Instrument :

MSVOA_V

ClientSampleId :

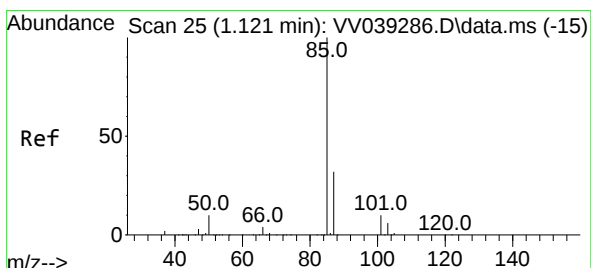
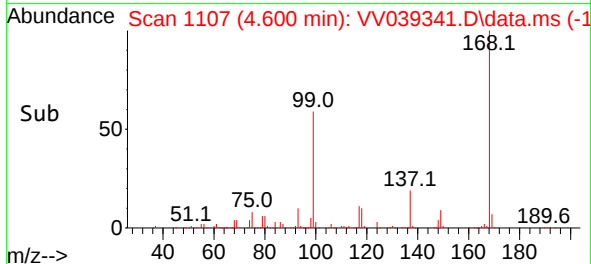
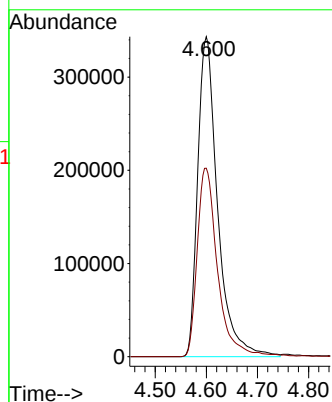
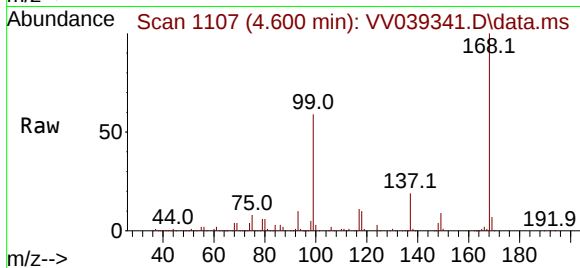
MW-3

Tgt Ion:168 Resp: 929578

Ion Ratio Lower Upper

168 100

99 58.9 46.6 70.0



#2

Dichlorodifluoromethane

Concen: 0.583 ug/l

RT: 1.127 min Scan# 27

Delta R.T. 0.006 min

Lab File: VV039341.D

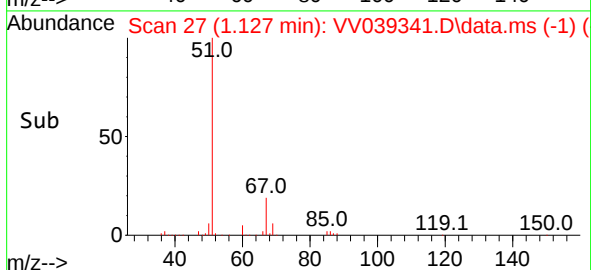
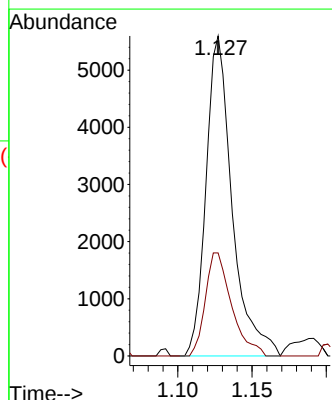
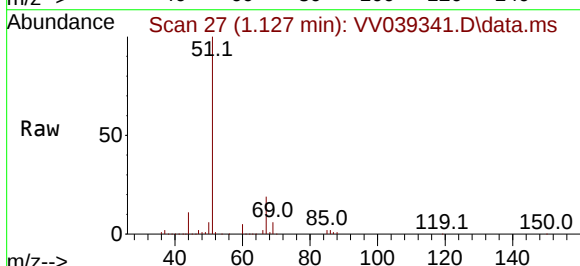
Acq: 05 Nov 2025 17:20

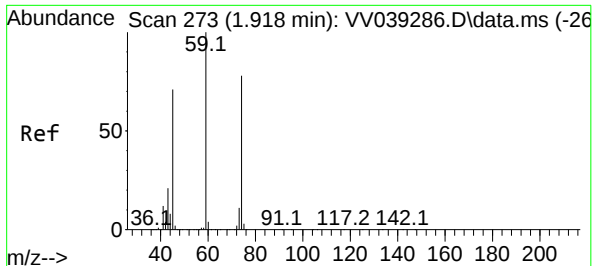
Tgt Ion: 85 Resp: 6847

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.2

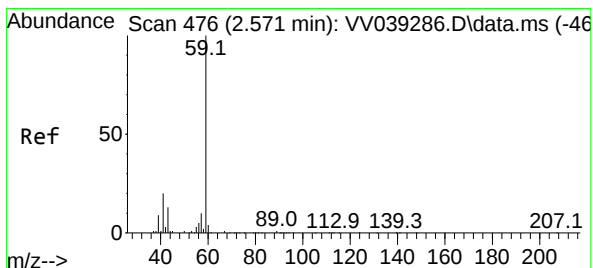
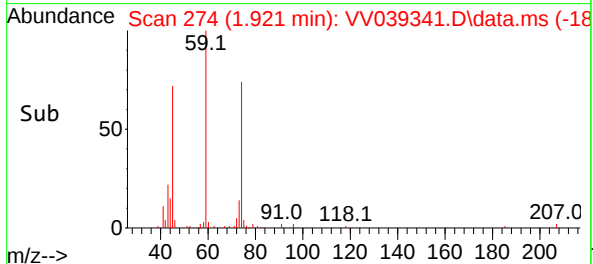
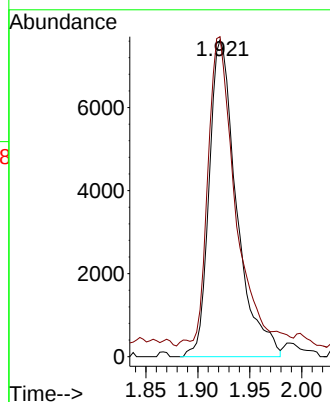
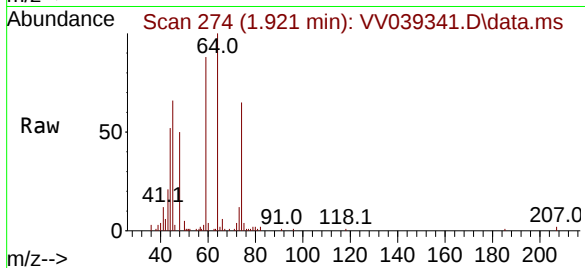




#8
Diethyl Ether
Concen: 1.813 ug/l
RT: 1.921 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

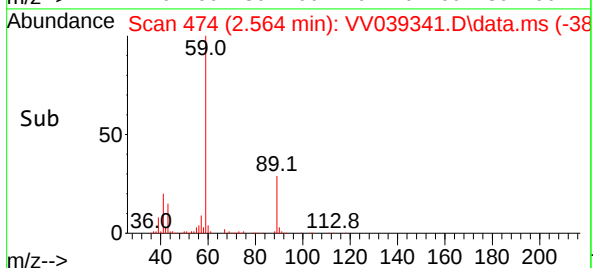
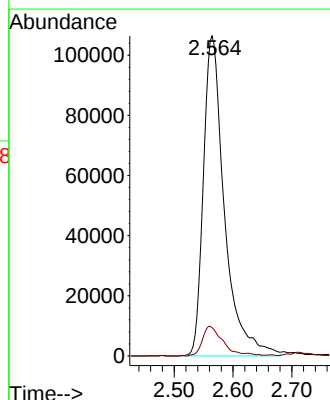
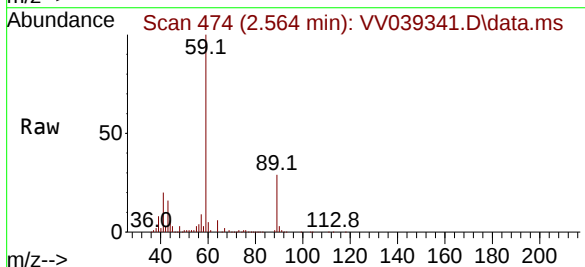
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MW-3

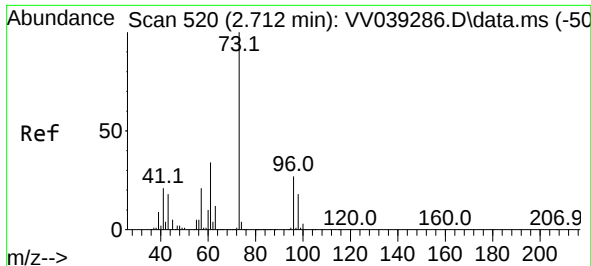
Tgt Ion: 74 Resp: 13970
Ion Ratio Lower Upper
74 100
45 99.3 45.9 137.7



#11
Tert butyl alcohol
Concen: 103.382 ug/l
RT: 2.564 min Scan# 474
Delta R.T. -0.006 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion: 59 Resp: 264639
Ion Ratio Lower Upper
59 100
57 8.7 8.1 12.1

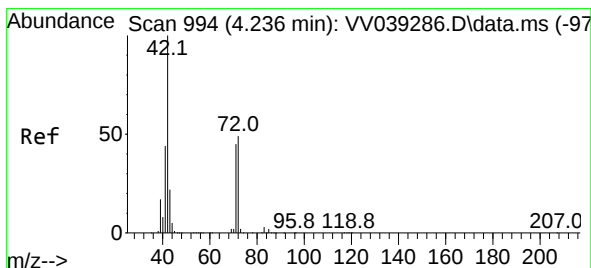
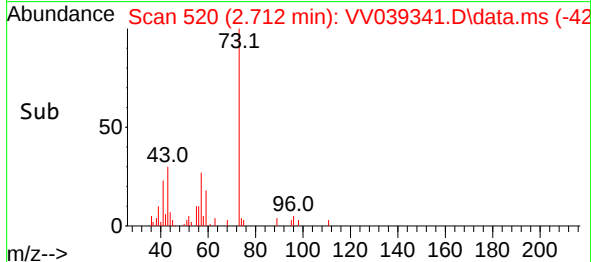
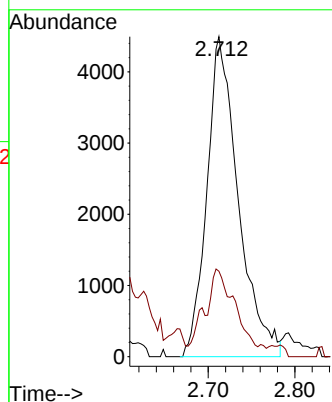
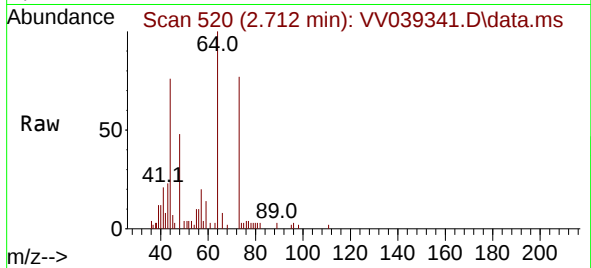




#19
Methyl tert-butyl Ether
Concen: 0.300 ug/l
RT: 2.712 min Scan# 511
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

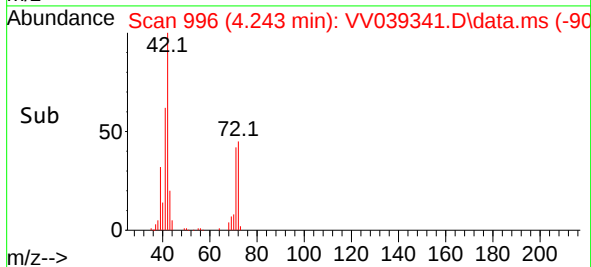
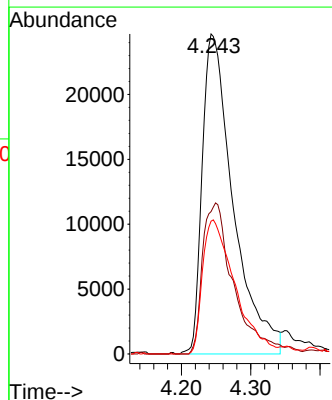
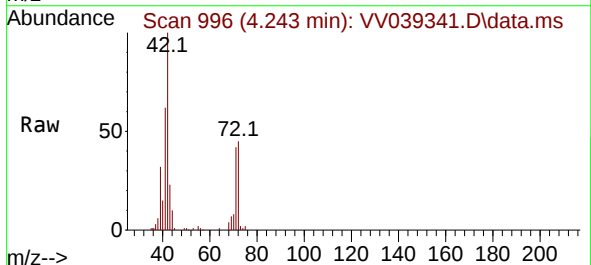
Instrument :
MSVOA_V
ClientSampleId :
MW-3

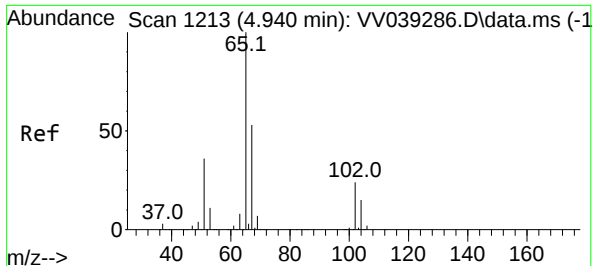
Tgt Ion: 73 Resp: 11311
Ion Ratio Lower Upper
73 100
57 23.0 17.0 25.6



#29
Tetrahydrofuran
Concen: 14.810 ug/l
RT: 4.243 min Scan# 996
Delta R.T. 0.006 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion: 42 Resp: 76493
Ion Ratio Lower Upper
42 100
72 47.1 39.8 59.8
71 43.9 36.5 54.7

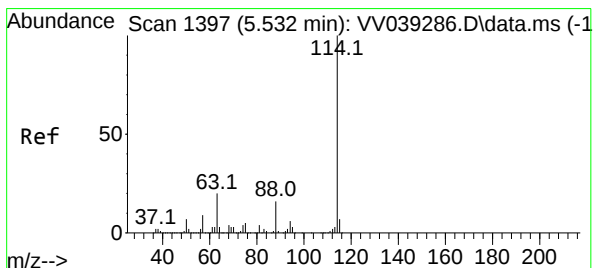
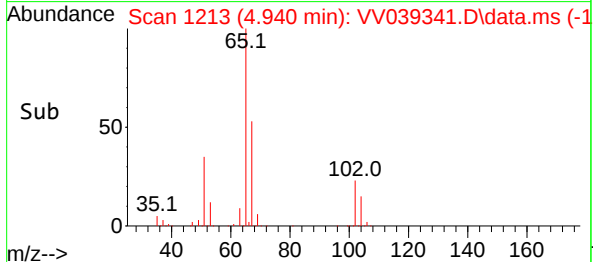
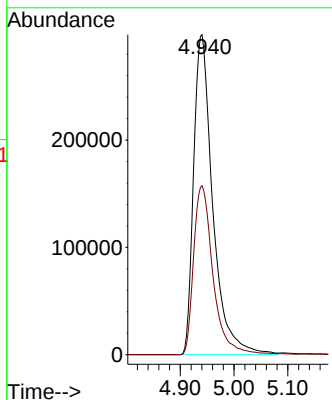
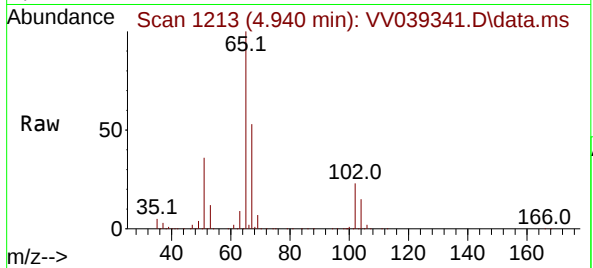




#33
 1,2-Dichloroethane-d4
 Concen: 55.939 ug/l
 RT: 4.940 min Scan# 1213
 Delta R.T. 0.000 min
 Lab File: VV039341.D
 Acq: 05 Nov 2025 17:20

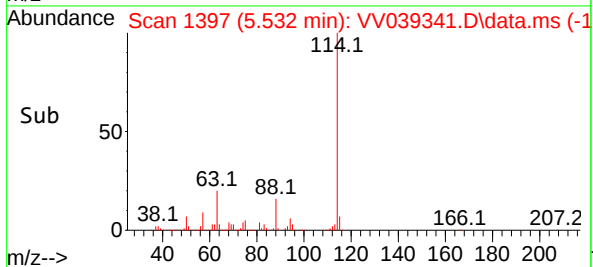
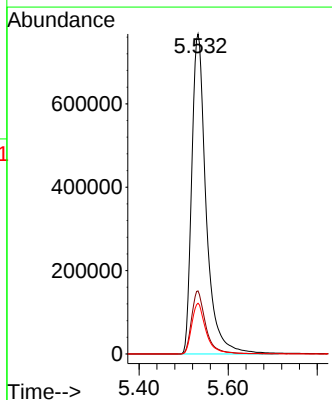
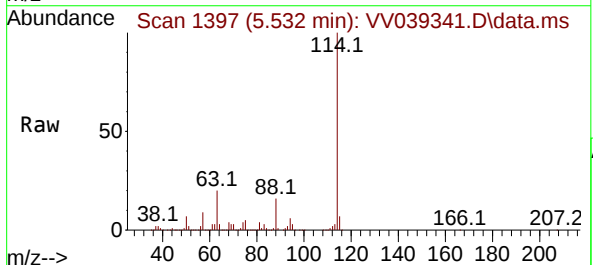
Instrument :
 MSVOA_V
 ClientSampleId :
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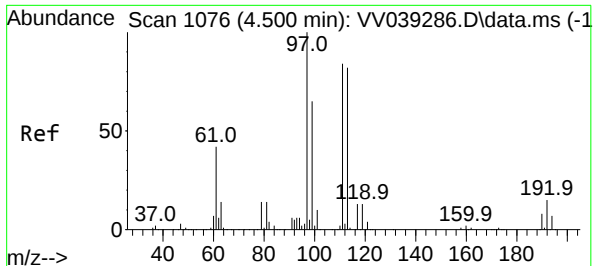
Tgt Ion: 65 Resp: 738888
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.532 min Scan# 1397
 Delta R.T. 0.000 min
 Lab File: VV039341.D
 Acq: 05 Nov 2025 17:20

Tgt Ion: 114 Resp: 1730000
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.6
 88 15.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.765 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV039341.D

Acq: 05 Nov 2025 17:20

Instrument :

MSVOA_V

ClientSampleId :

MW-3

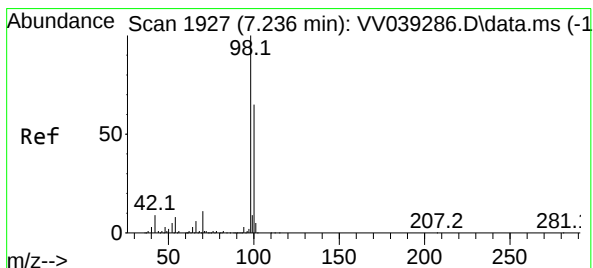
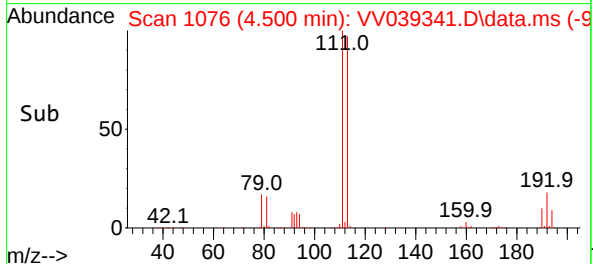
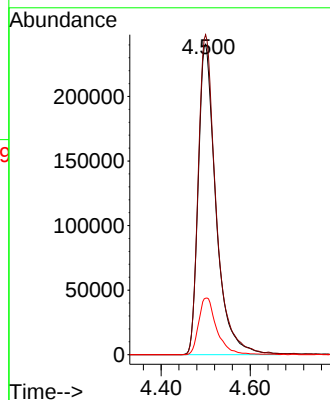
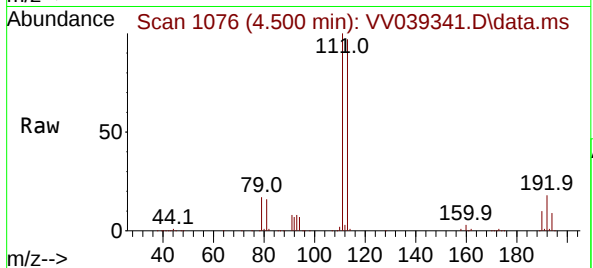
Tgt Ion:113 Resp: 664719

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 18.6 14.3 21.5



#50

Toluene-d8

Concen: 46.478 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.000 min

Lab File: VV039341.D

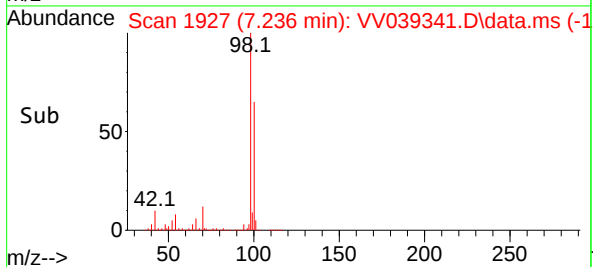
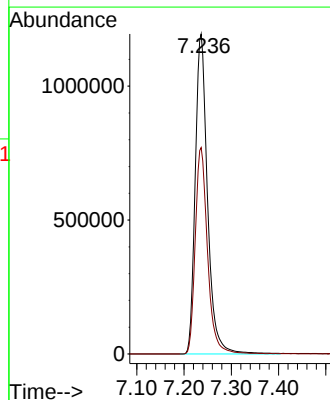
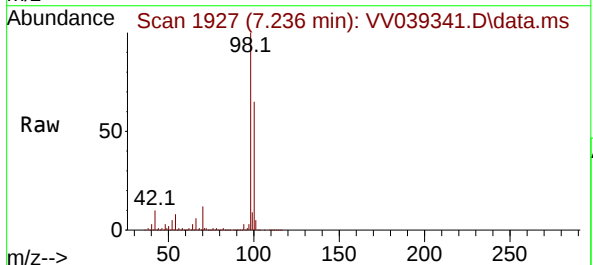
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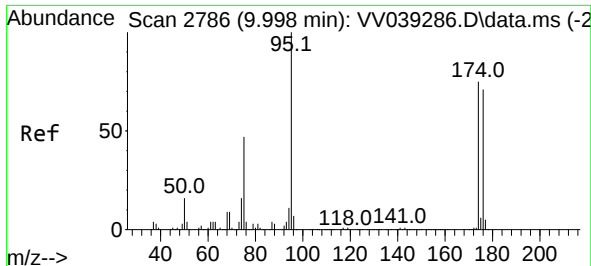
Tgt Ion: 98 Resp: 2155329

Ion Ratio Lower Upper

98 100

100 64.4 52.8 79.2

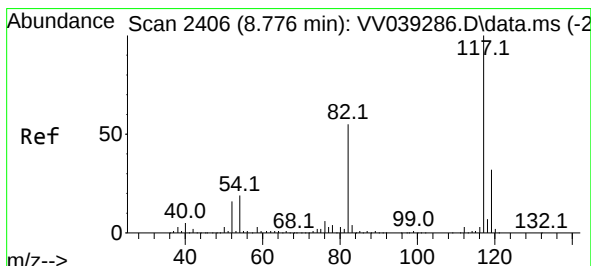
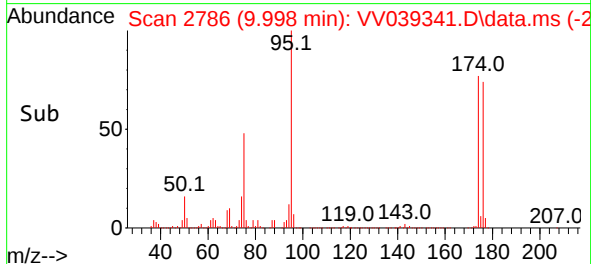
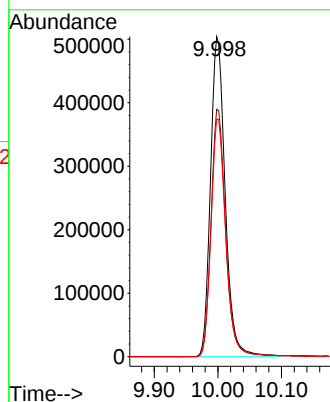
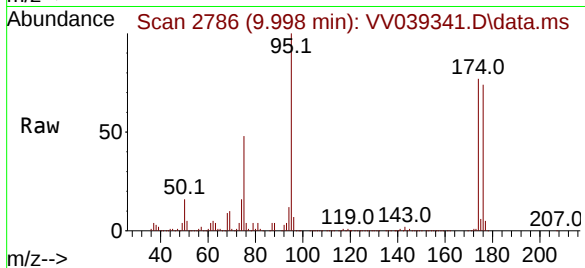




#62
4-Bromofluorobenzene
Concen: 48.908 ug/l
RT: 9.998 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

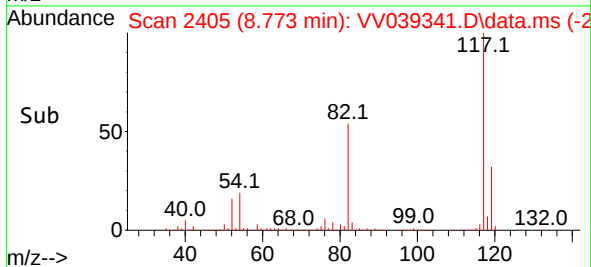
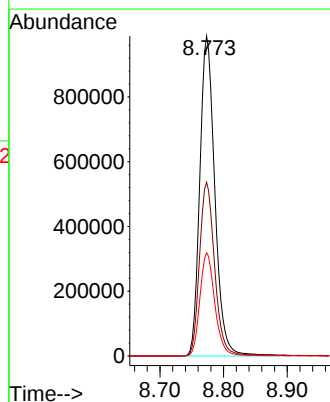
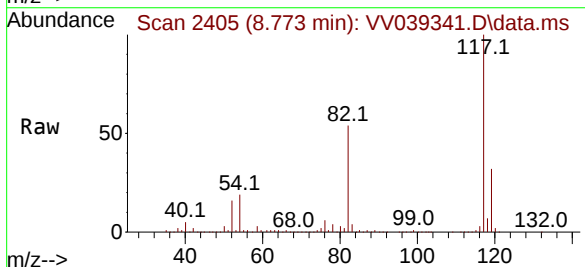
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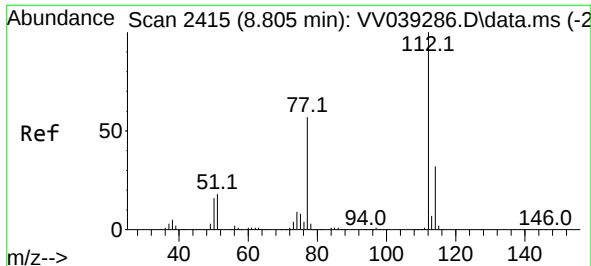
Tgt Ion: 95 Resp: 807720
Ion Ratio Lower Upper
95 100
174 77.3 0.0 153.6
176 74.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion: 117 Resp: 1622898
Ion Ratio Lower Upper
117 100
82 54.3 43.8 65.8
119 32.3 25.8 38.6

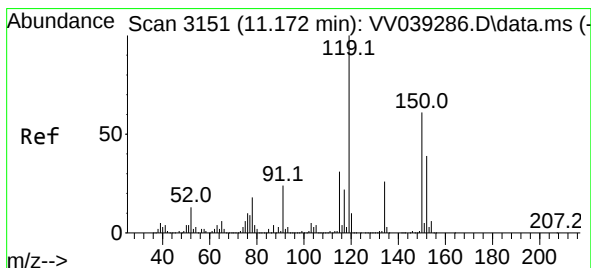
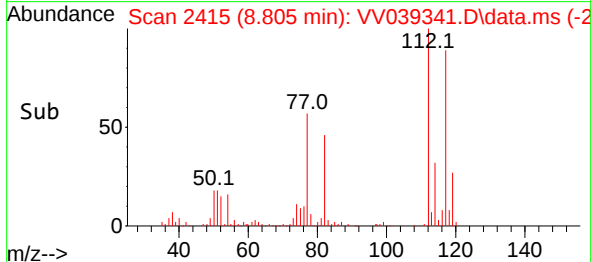
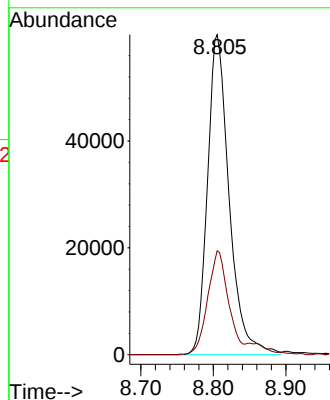
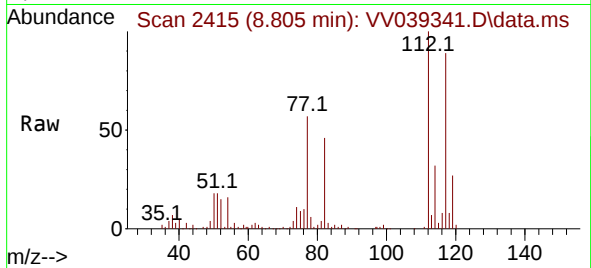




#65
Chlorobenzene
Concen: 3.229 ug/l
RT: 8.805 min Scan# 2415
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

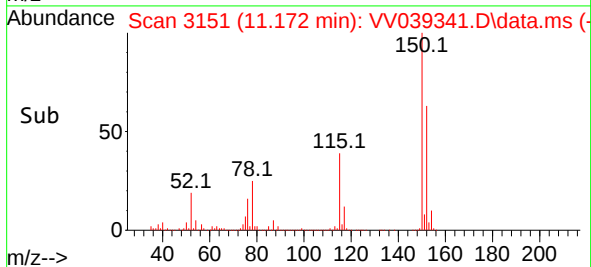
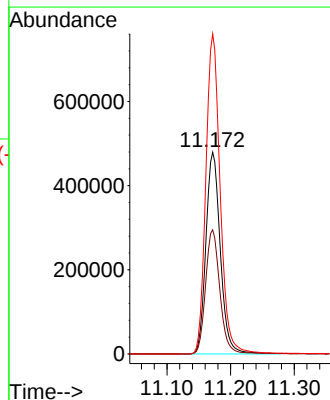
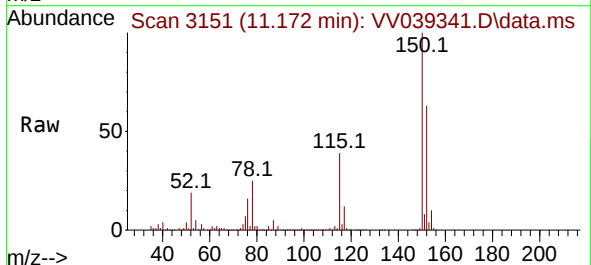
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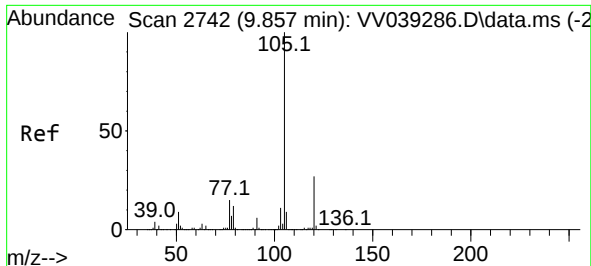
Tgt Ion:112 Resp: 124056
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion:152 Resp: 753769
Ion Ratio Lower Upper
152 100
115 61.3 42.3 126.8
150 158.4 0.0 348.0

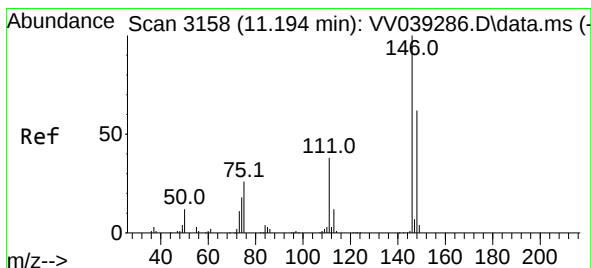
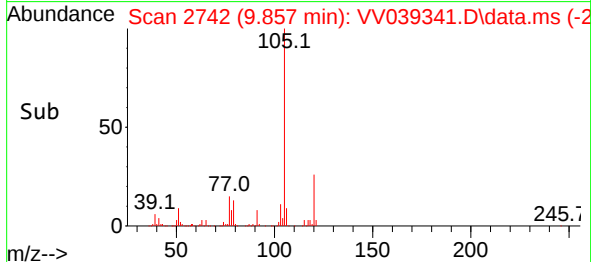
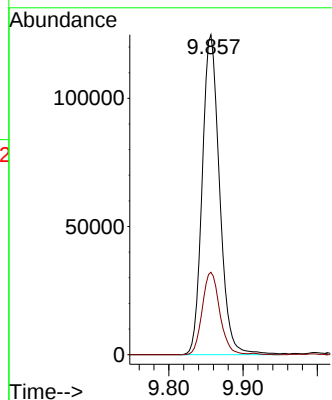
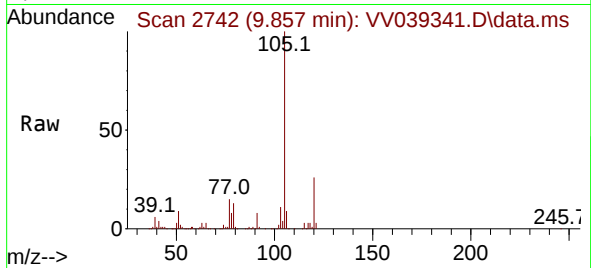




#73
Isopropylbenzene
Concen: 4.427 ug/l
RT: 9.857 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Tgt Ion:105 Resp: 202650
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.5



#88
1,4-Dichlorobenzene
Concen: 1.278 ug/l
RT: 11.197 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion:146 Resp: 35896
Ion Ratio Lower Upper
146 100
111 0.0 19.7 59.0#
148 70.4 31.5 94.5

