

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
 Data File : VV039148.D
 Acq On : 24 Sep 2025 13:09
 Operator : SY/MD
 Sample : VV0924WBL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0924WBL01

Quant Time: Sep 25 04:44:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

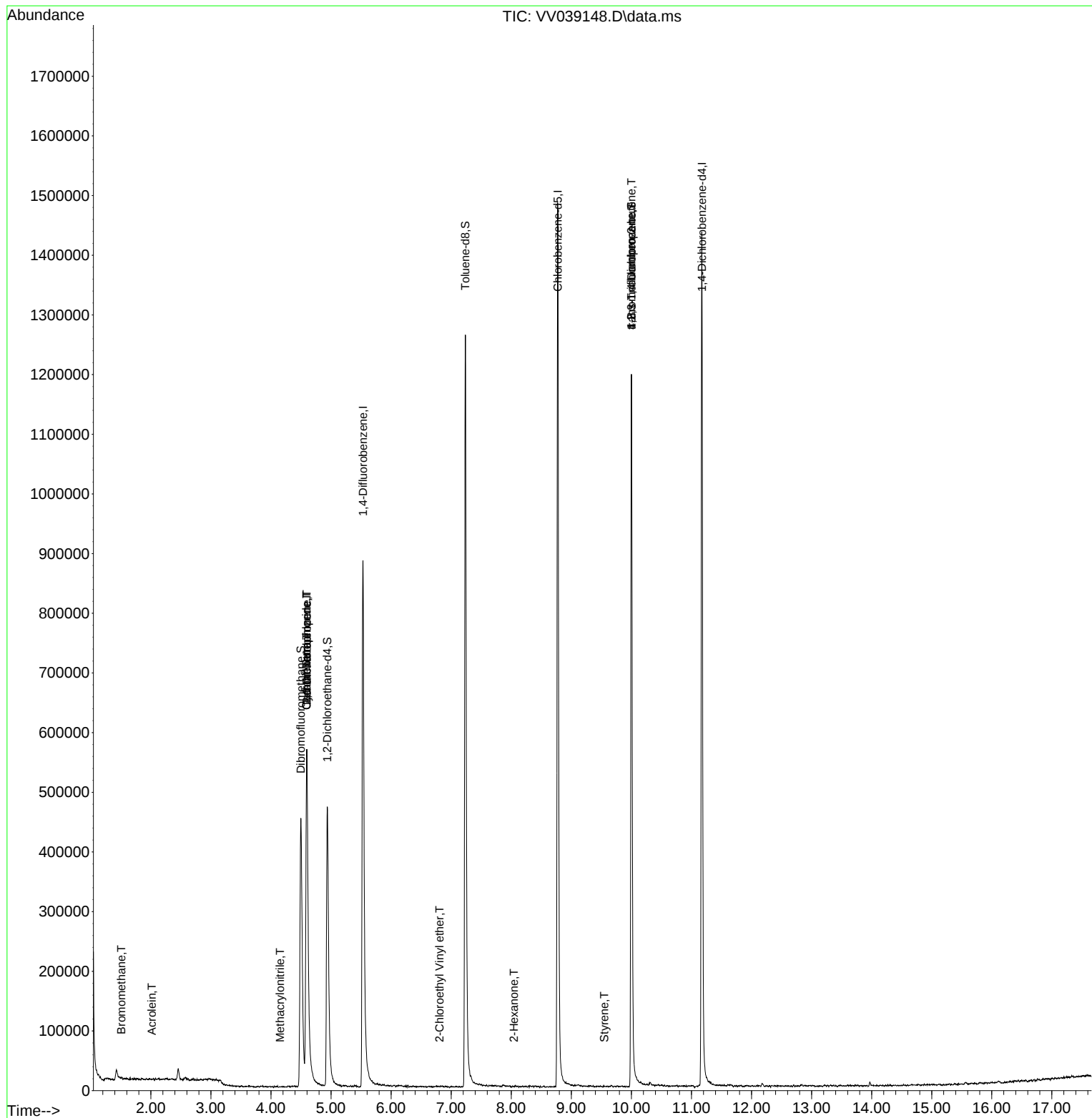
Internal Standards						
1) Pentafluorobenzene	4.596	168	463770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	858892	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	831675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	379013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	417696	62.230	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 124.460%#	
35) Dibromofluoromethane	4.497	113	376781	54.568	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 109.140%	
50) Toluene-d8	7.236	98	894968	44.132	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 88.260%#	
62) 4-Bromofluorobenzene	10.001	95	400947	48.026	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 96.060%	
Target Compounds						
						Qvalue
5) Bromomethane	1.507	94	1953	0.367	ug/l #	68
6) Chloroethane	1.545	64	168	Below Cal	#	44
13) Acrolein	2.015	56	479	1.946	ug/l #	78
16) Acetone	2.130	43	1295	Below Cal	#	67
20) Methylene Chloride	2.458	84	8282	Below Cal		92
31) Cyclohexane	4.593	56	12607	1.053	ug/l #	1
36) 1,1-Dichloropropene	4.596	75	45023	4.313	ug/l #	43
38) Carbon Tetrachloride	4.593	117	49881	3.910	ug/l #	17
41) Methacrylonitrile	4.153	41	161	1.938	ug/l #	63
58) 2-Chloroethyl Vinyl ether	6.805	63	157	9.648	ug/l #	46
59) 2-Hexanone	8.043	43	44	2.330	ug/l #	1
70) Styrene	9.548	104	90	1.565	ug/l #	24
76) 1,2,3-Trichloropropane	10.001	75	201911	23.398	ug/l #	56
81) trans-1,4-Dichloro-2-b...	10.001	75	201911	56.171	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	12.342	75	79	Below Cal	#	5

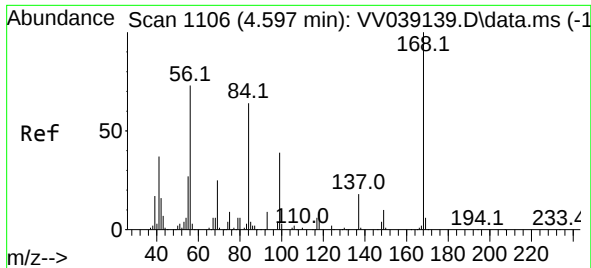
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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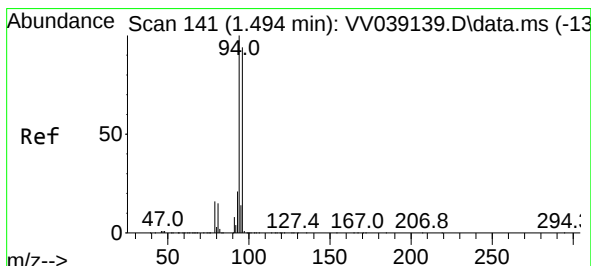
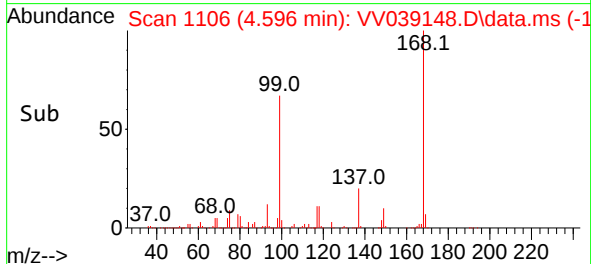
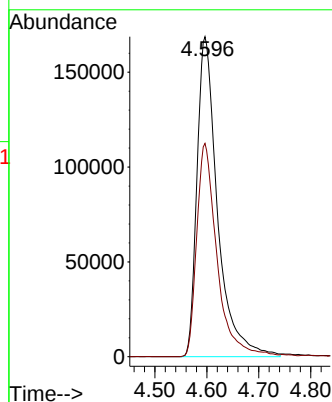
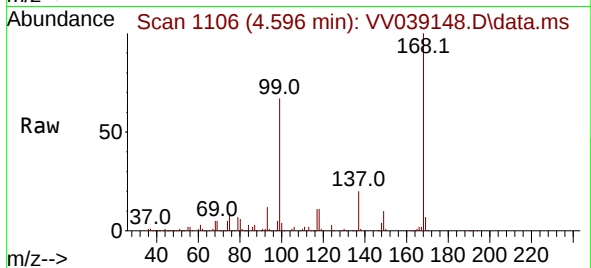




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.596 min Scan# 11
Delta R.T. -0.001 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

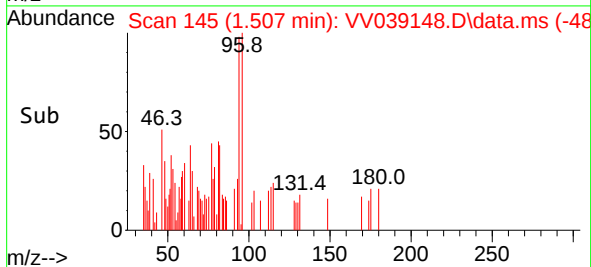
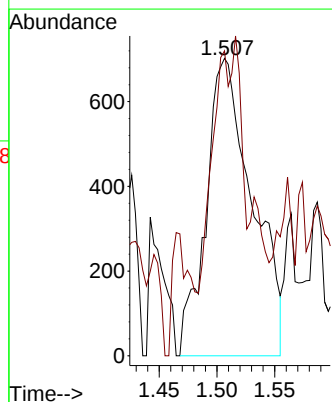
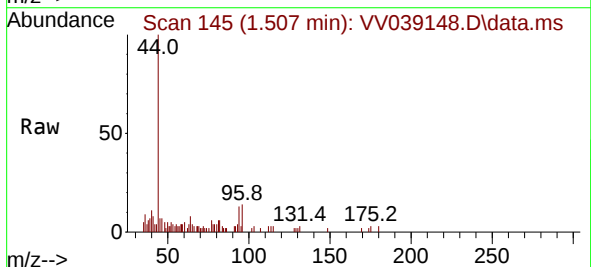
Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

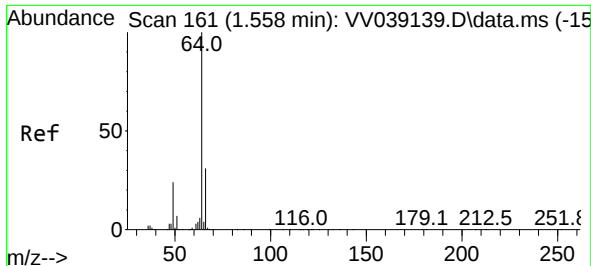
Tgt Ion:168 Resp: 463770
Ion Ratio Lower Upper
168 100
99 66.7 49.6 74.4



#5
Bromomethane
Concen: 0.367 ug/l
RT: 1.507 min Scan# 145
Delta R.T. 0.012 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Tgt Ion: 94 Resp: 1953
Ion Ratio Lower Upper
94 100
96 62.5 74.9 112.3#

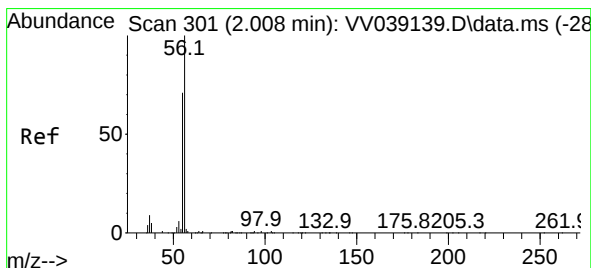
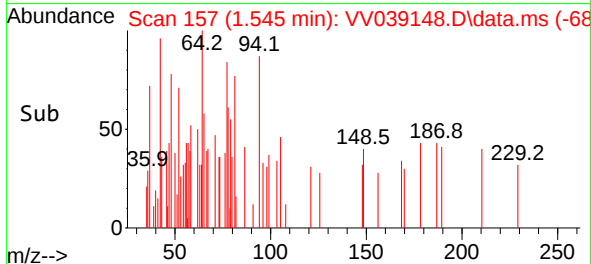
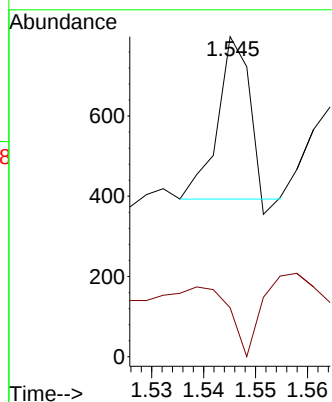
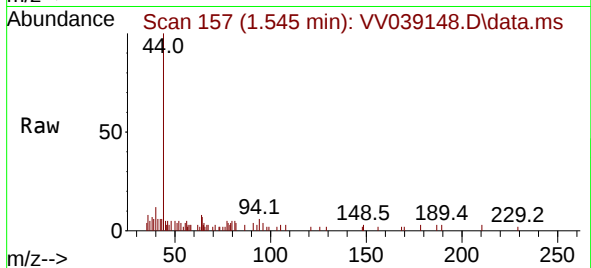




#6
Chloroethane
Concen: Below Cal
RT: 1.545 min Scan# 11
Delta R.T. -0.013 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

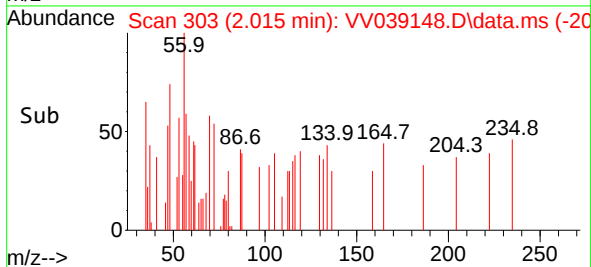
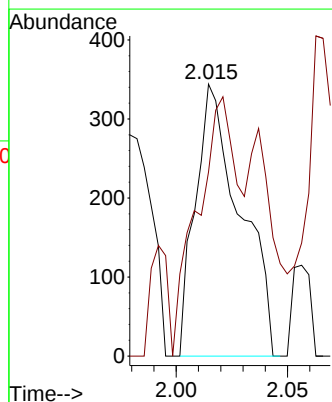
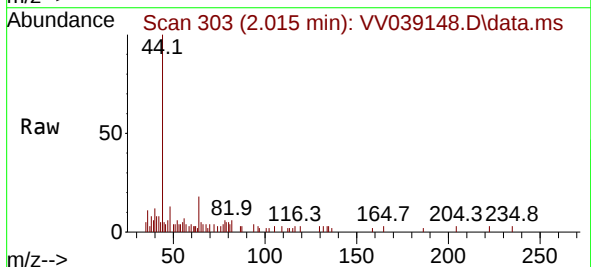
Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

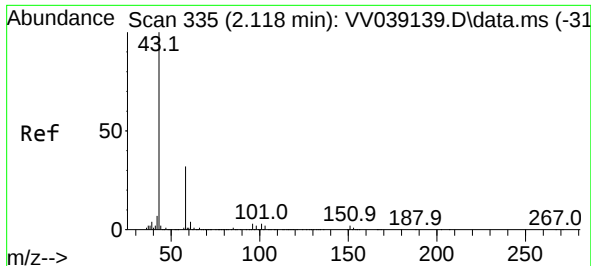
Tgt Ion: 64 Resp: 168
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#13
Acrolein
Concen: 1.946 ug/l
RT: 2.015 min Scan# 303
Delta R.T. 0.006 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Tgt Ion: 56 Resp: 479
Ion Ratio Lower Upper
56 100
55 88.1 56.2 84.4#

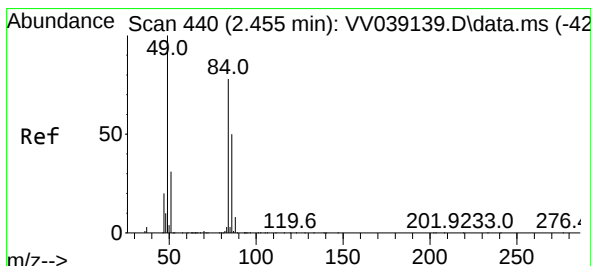
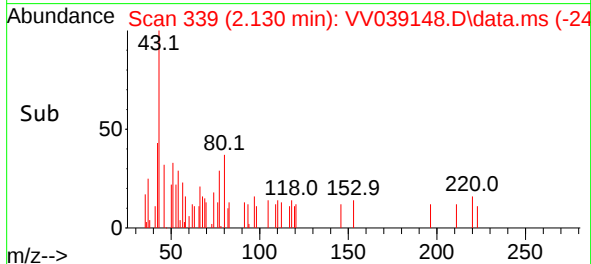
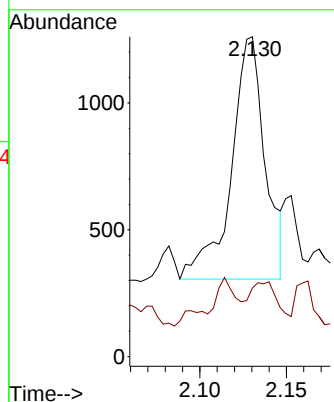
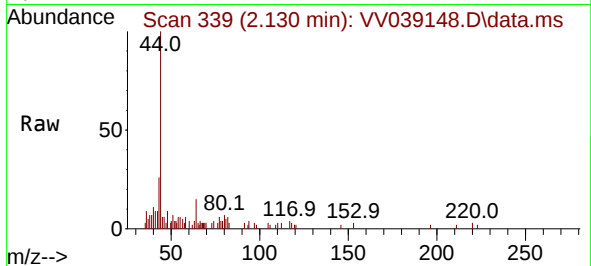




#16
Acetone
Concen: Below Cal
RT: 2.130 min Scan# 31
Delta R.T. 0.012 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

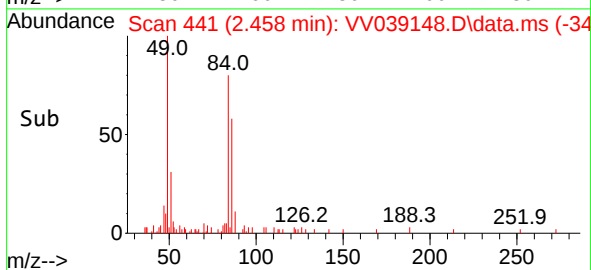
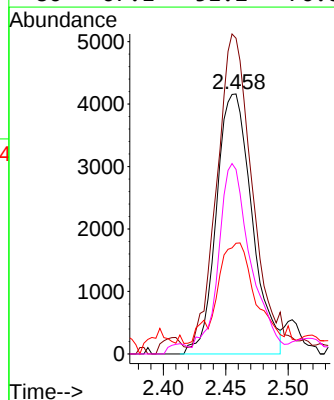
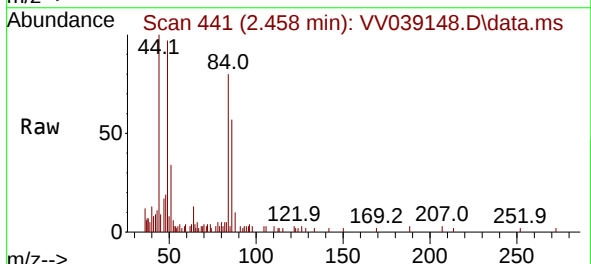
Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

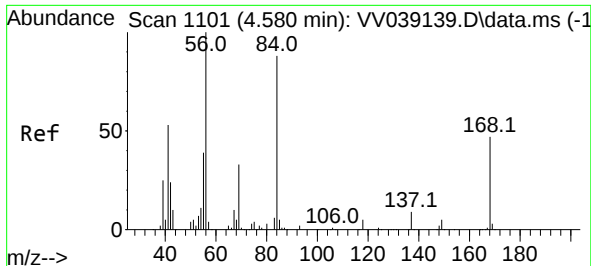
Tgt Ion: 43 Resp: 1295
Ion Ratio Lower Upper
43 100
58 13.6 25.8 38.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Tgt Ion: 84 Resp: 8282
Ion Ratio Lower Upper
84 100
49 116.9 102.8 154.2
51 35.3 31.9 47.9
86 67.1 51.2 76.8

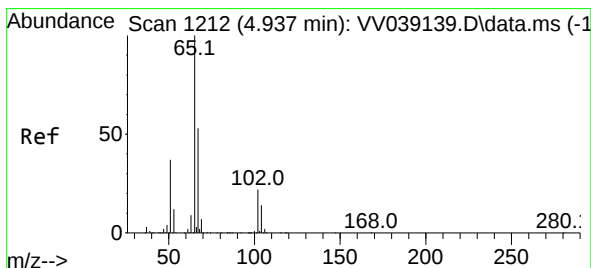
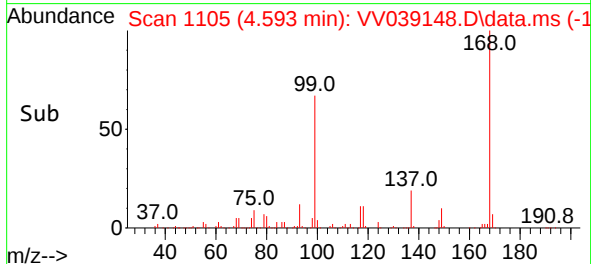
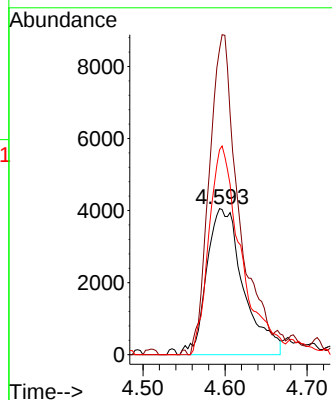
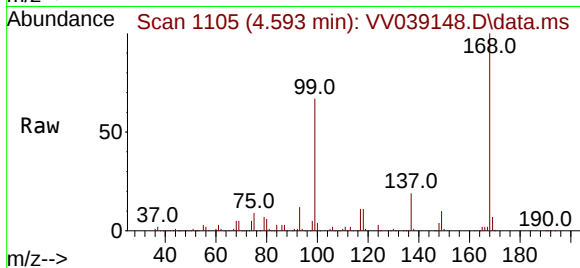




#31
Cyclohexane
Concen: 1.053 ug/l
RT: 4.593 min Scan# 1105
Delta R.T. 0.013 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

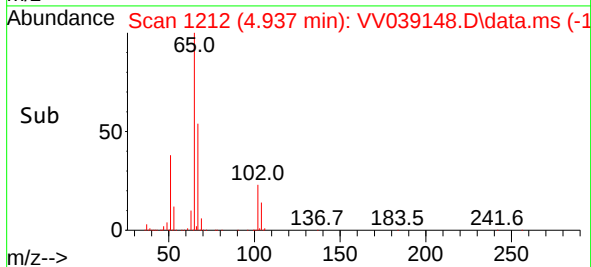
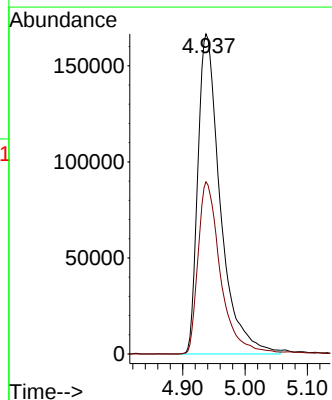
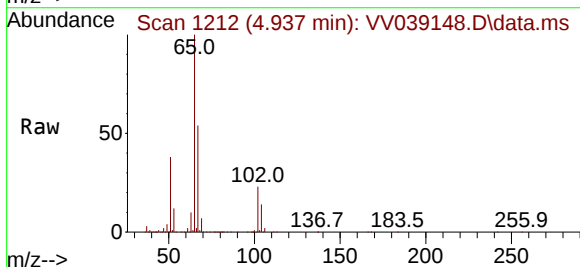
Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

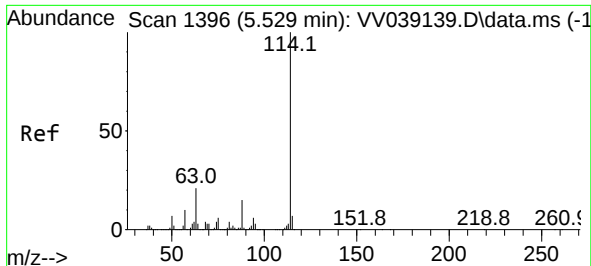
Tgt Ion: 56 Resp: 12607
Ion Ratio Lower Upper
56 100
69 209.2 26.2 39.2#
84 140.4 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 62.230 ug/l
RT: 4.937 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Tgt Ion: 65 Resp: 417696
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 114

Delta R.T. 0.003 min

Lab File: VV039148.D

Acq: 24 Sep 2025 13:09

Instrument :

MSVOA_V

ClientSampleId :

VV0924WBL01

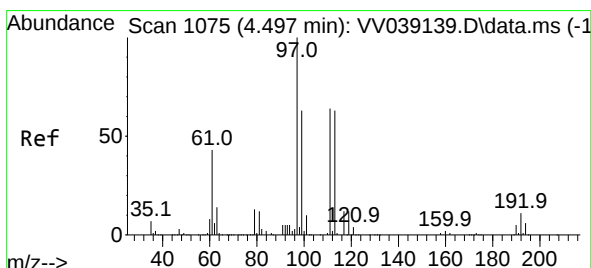
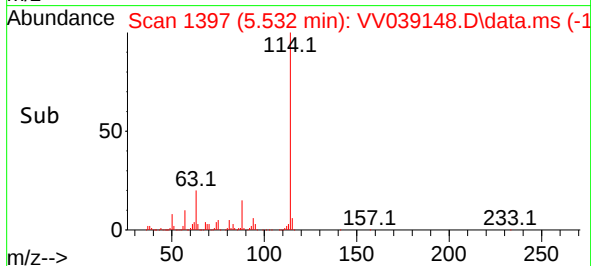
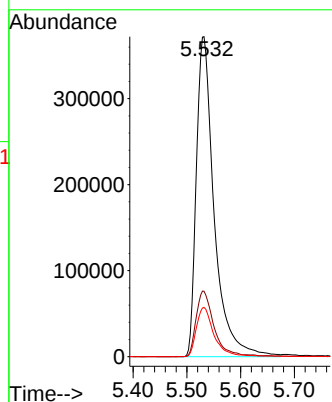
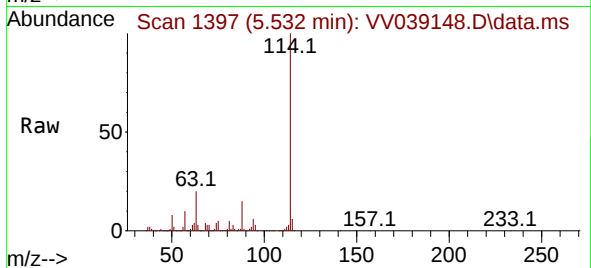
Tgt Ion:114 Resp: 858892

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

88 15.4 0.0 30.8



#35

Dibromofluoromethane

Concen: 54.568 ug/l

RT: 4.497 min Scan# 1075

Delta R.T. -0.000 min

Lab File: VV039148.D

Acq: 24 Sep 2025 13:09

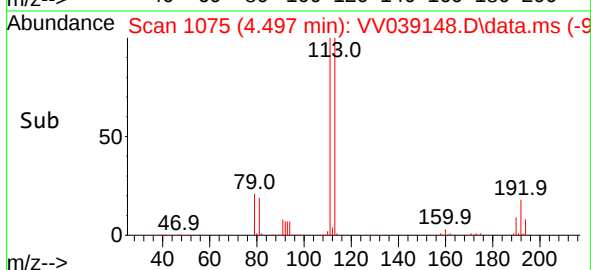
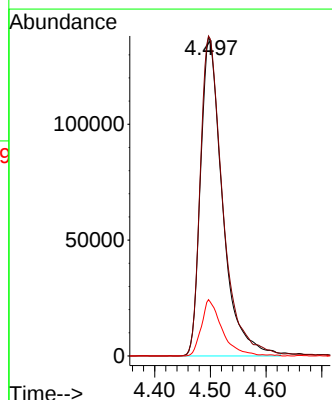
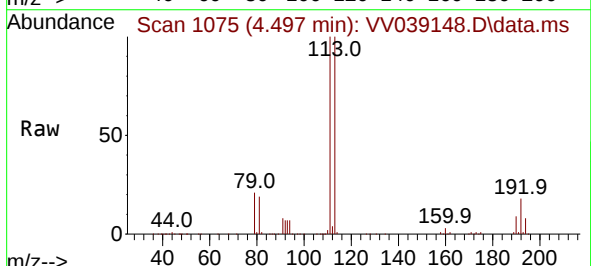
Tgt Ion:113 Resp: 376781

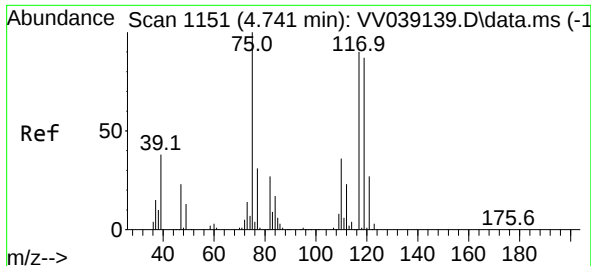
Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

192 16.6 13.8 20.8

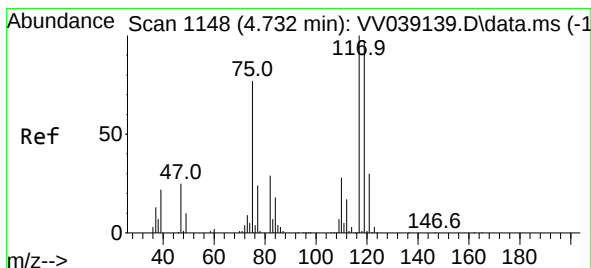
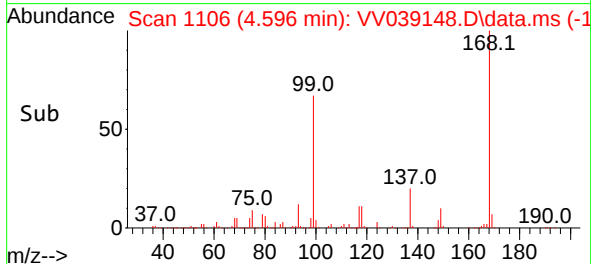
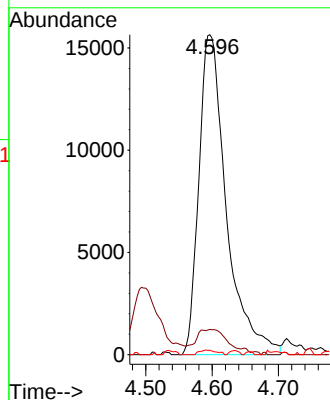
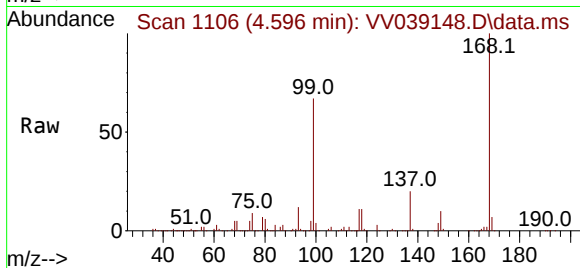




#36
1,1-Dichloropropene
Concen: 4.313 ug/l
RT: 4.596 min Scan# 1106
Delta R.T. -0.145 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

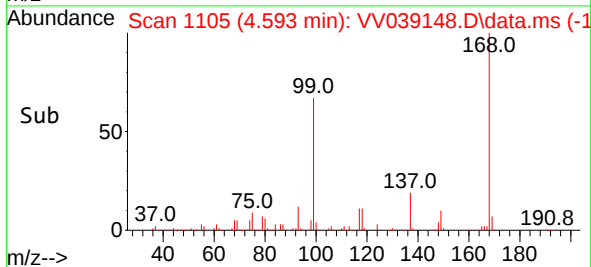
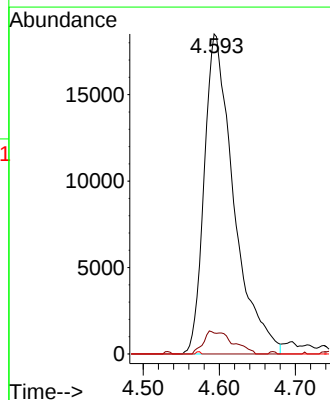
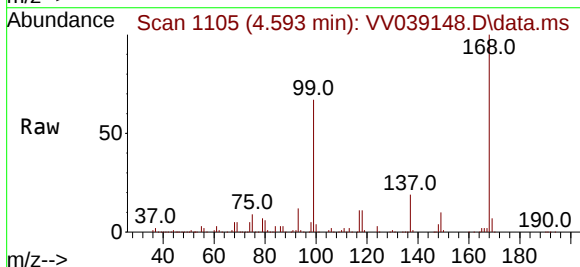
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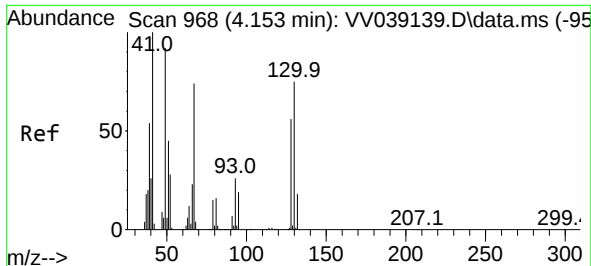
Tgt Ion: 75 Resp: 45023
Ion Ratio Lower Upper
75 100
110 1.4 18.1 54.1#
77 0.9 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 3.910 ug/l
RT: 4.593 min Scan# 1105
Delta R.T. -0.139 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Tgt Ion: 117 Resp: 49881
Ion Ratio Lower Upper
117 100
119 6.5 77.2 115.8#
121 0.0 24.2 36.2#

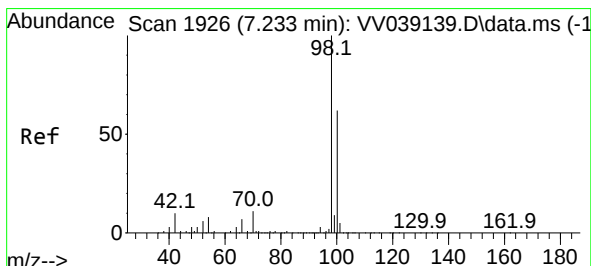
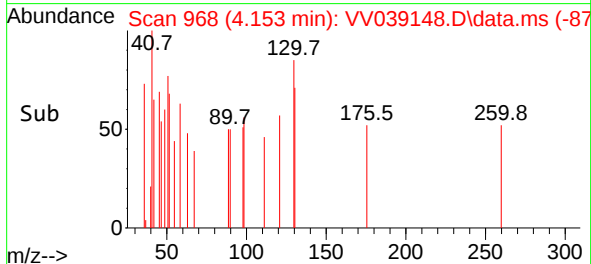
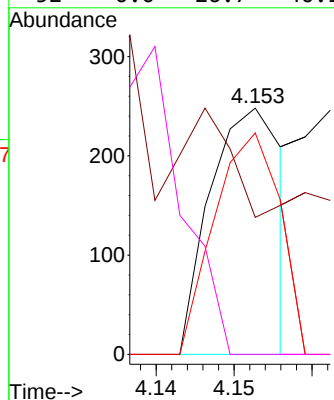
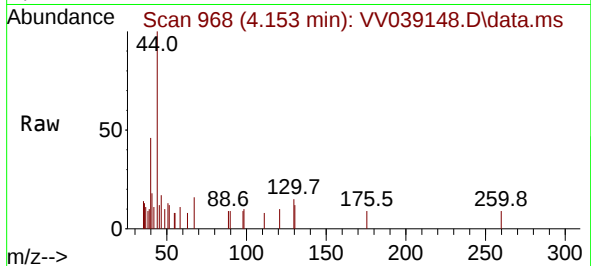




#41
Methacrylonitrile
Concen: 1.938 ug/l
RT: 4.153 min Scan# 90
Delta R.T. -0.000 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

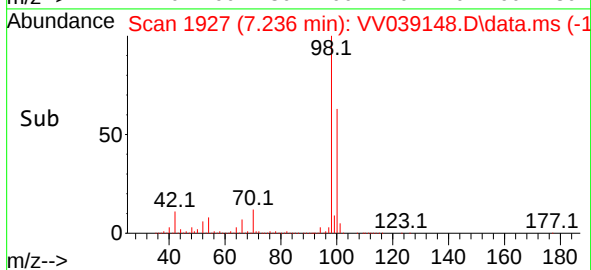
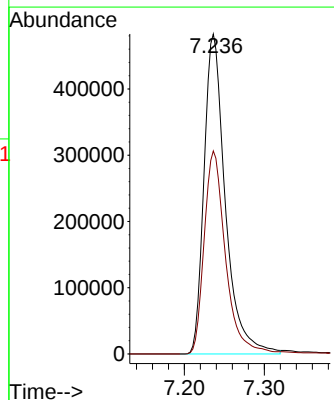
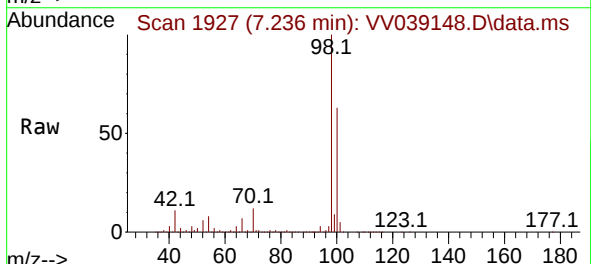
Instrument :
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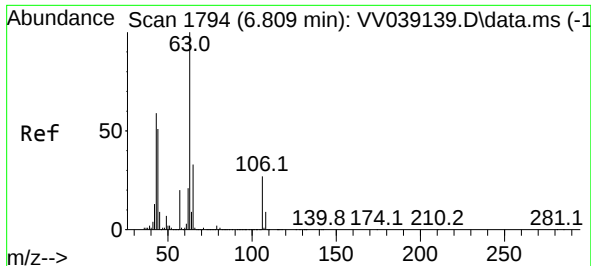
Tgt Ion: 41 Resp: 161
Ion Ratio Lower Upper
41 100
39 0.0 42.2 63.2#
67 80.7 67.9 101.9
52 0.0 26.7 40.1#



#50
Toluene-d8
Concen: 44.132 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.003 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Tgt Ion: 98 Resp: 894968
Ion Ratio Lower Upper
98 100
100 63.4 52.2 78.2

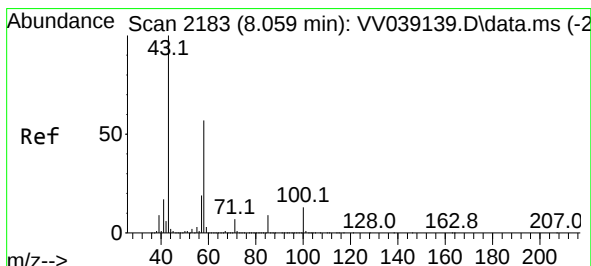
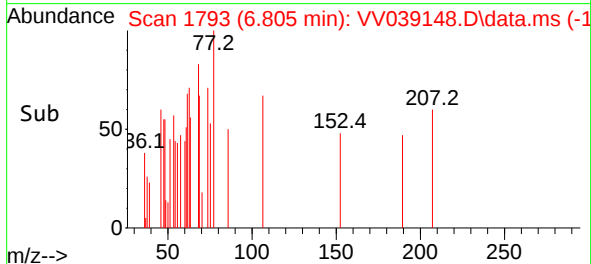
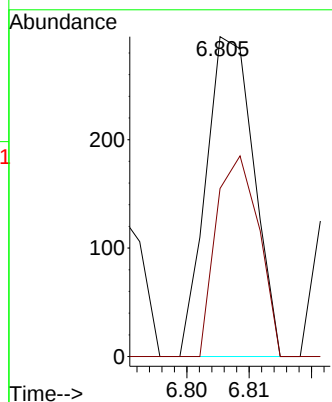
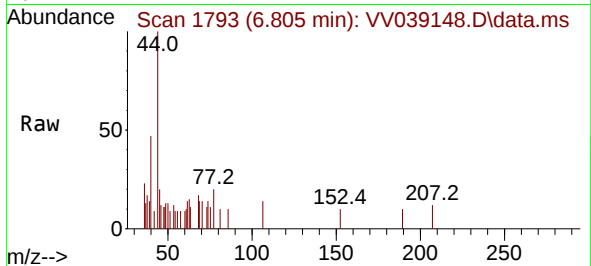




#58
2-Chloroethyl Vinyl ether
Concen: 9.648 ug/l
RT: 6.805 min Scan# 11
Delta R.T. -0.004 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

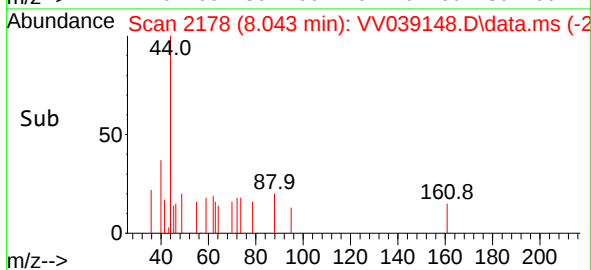
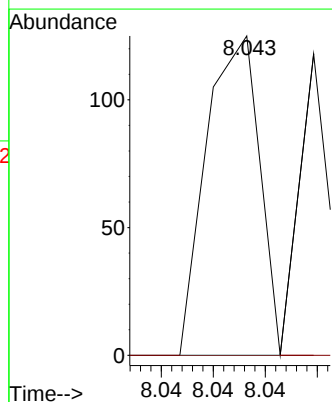
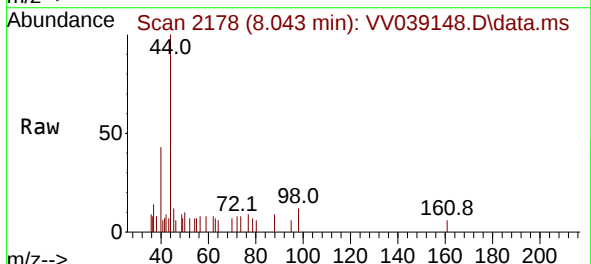
Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

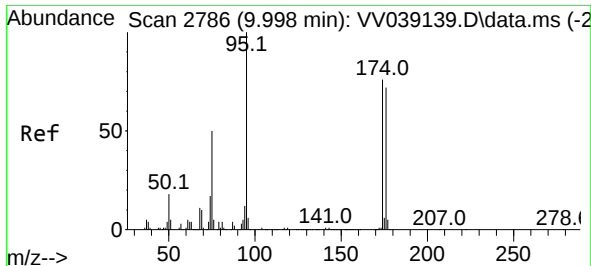
Tgt Ion: 63 Resp: 157
Ion Ratio Lower Upper
63 100
106 56.1 22.1 33.1#



#59
2-Hexanone
Concen: 2.330 ug/l
RT: 8.043 min Scan# 2178
Delta R.T. -0.016 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Tgt Ion: 43 Resp: 44
Ion Ratio Lower Upper
43 100
58 220.5 28.3 85.0#

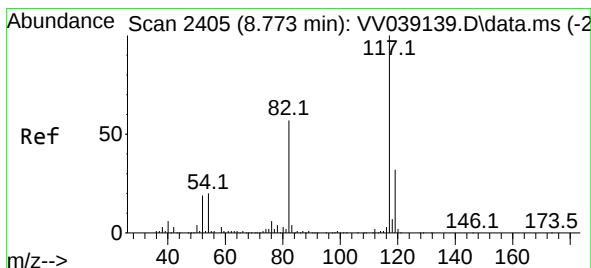
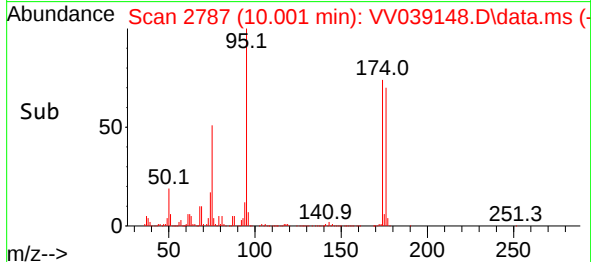
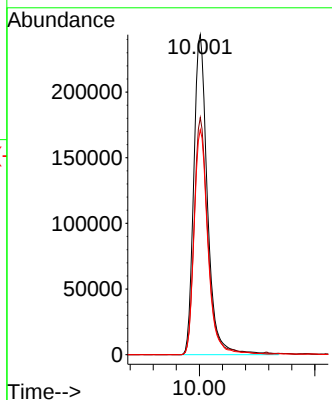
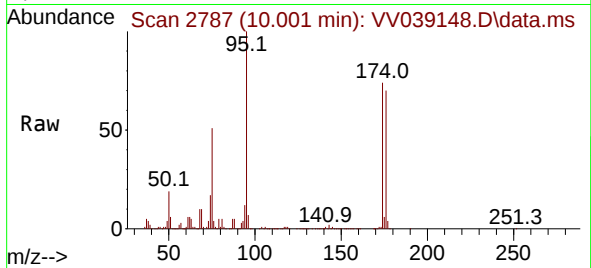




#62
4-Bromofluorobenzene
Concen: 48.026 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

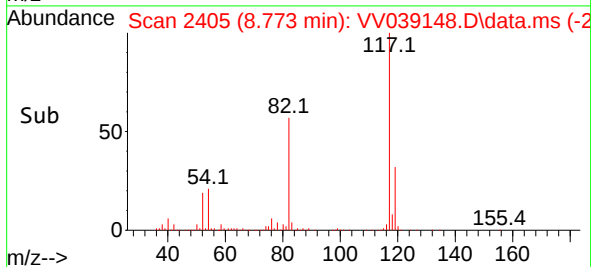
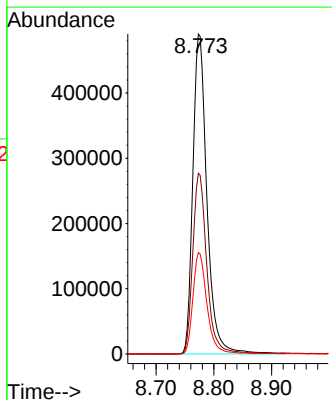
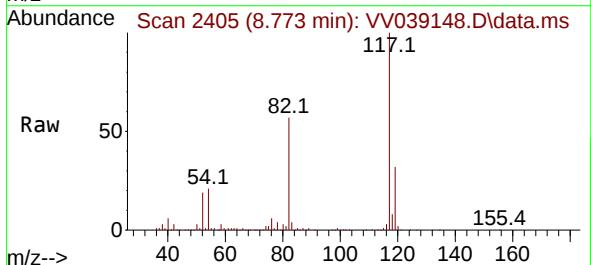
Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

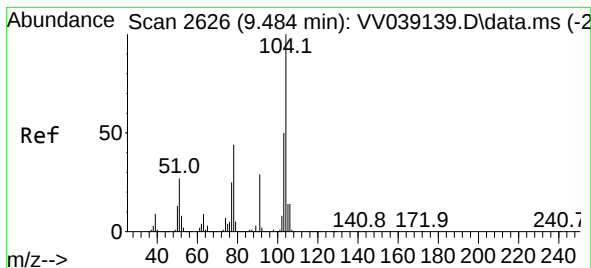
Tgt Ion: 95 Resp: 400947
Ion Ratio Lower Upper
95 100
174 74.8 0.0 150.4
176 70.4 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Tgt Ion: 117 Resp: 831675
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.2
119 31.7 25.6 38.4





#70

Styrene

Concen: 1.565 ug/l

RT: 9.548 min Scan# 2

Delta R.T. 0.064 min

Lab File: VV039148.D

Acq: 24 Sep 2025 13:09

Instrument :

MSVOA_V

ClientSampleId :

VV0924WBL01

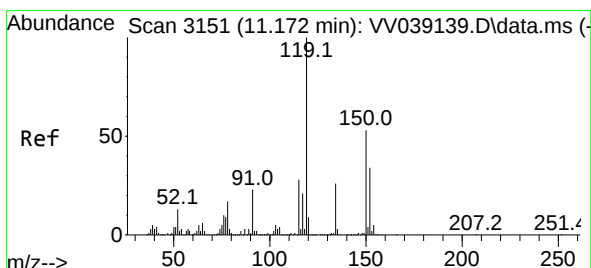
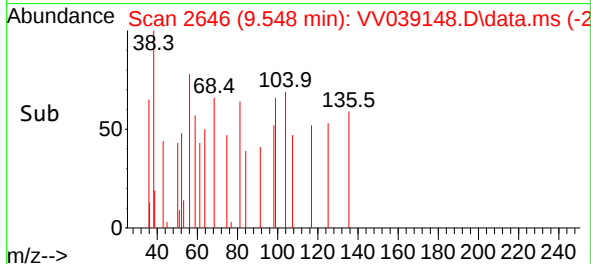
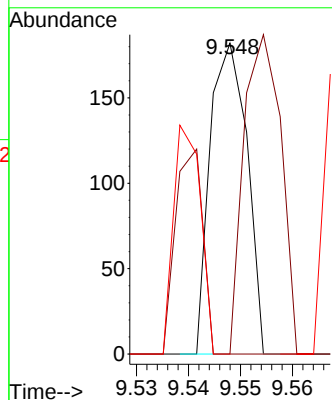
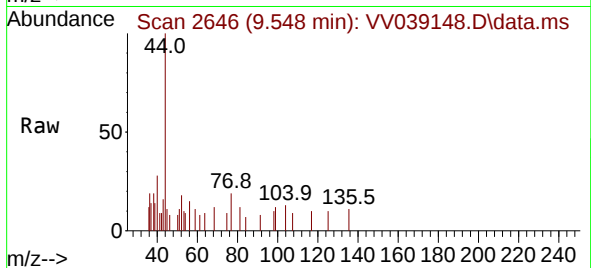
Tgt Ion:104 Resp: 90

Ion Ratio Lower Upper

104 100

78 102.2 39.8 59.6#

103 0.0 43.4 65.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VV039148.D

Acq: 24 Sep 2025 13:09

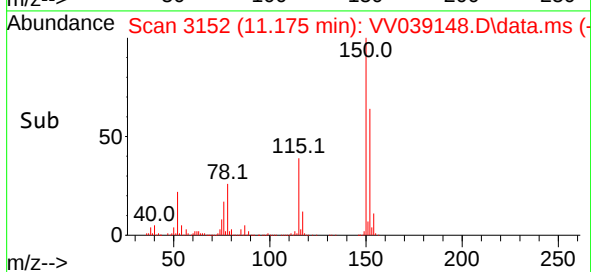
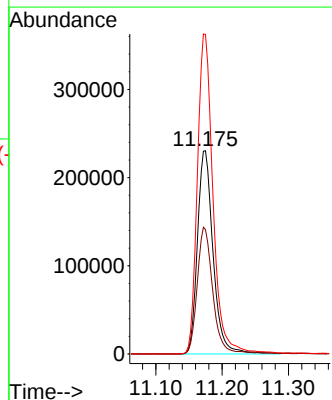
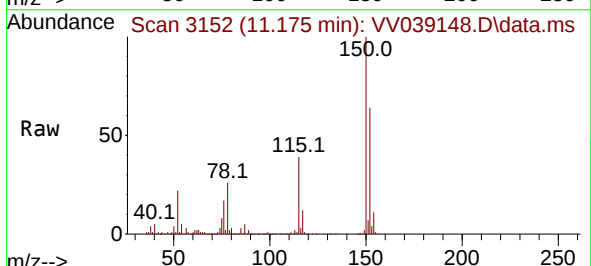
Tgt Ion:152 Resp: 379013

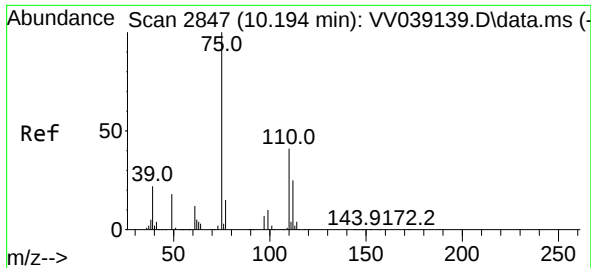
Ion Ratio Lower Upper

152 100

115 61.8 44.8 134.4

150 157.4 0.0 353.8

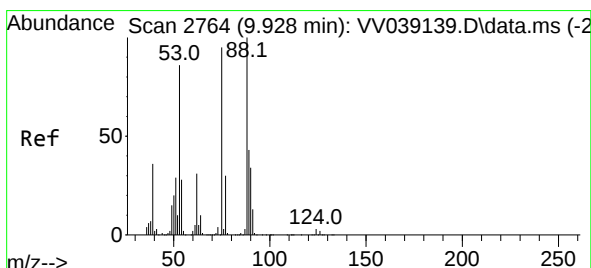
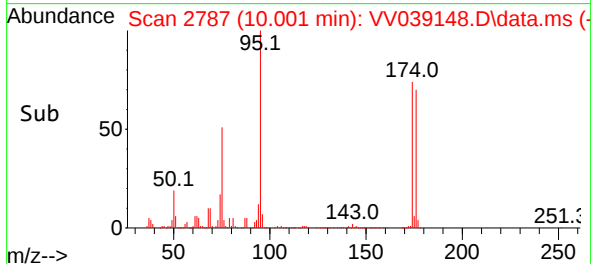
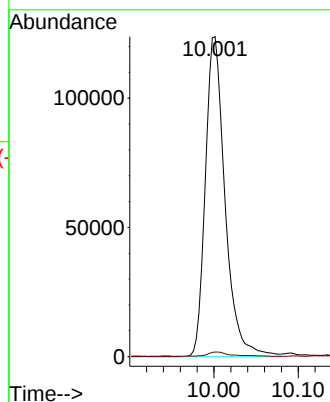
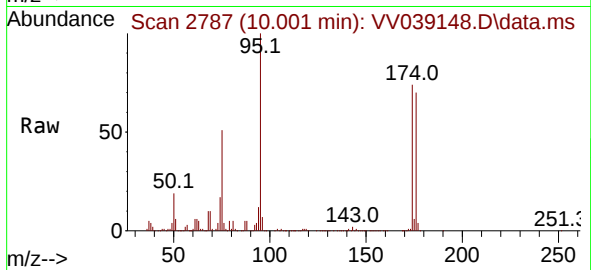




#76
1,2,3-Trichloropropane
Concen: 23.398 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.193 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

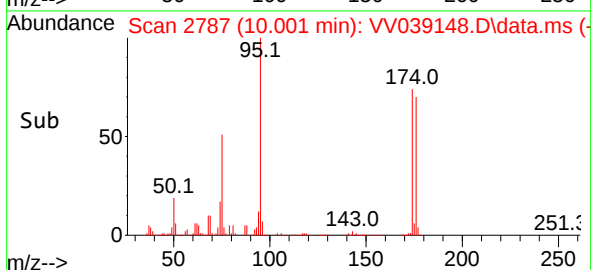
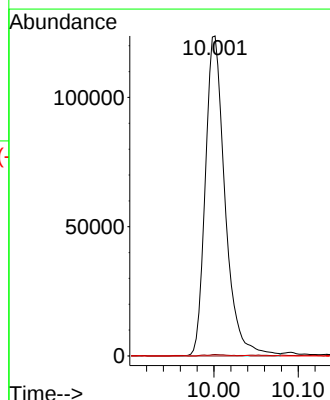
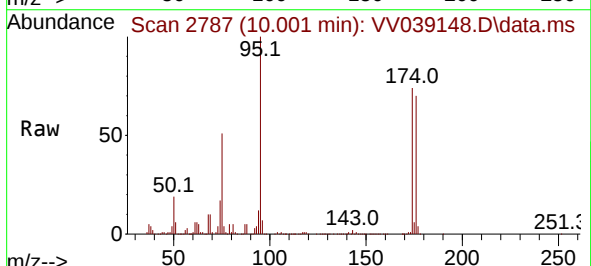
Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

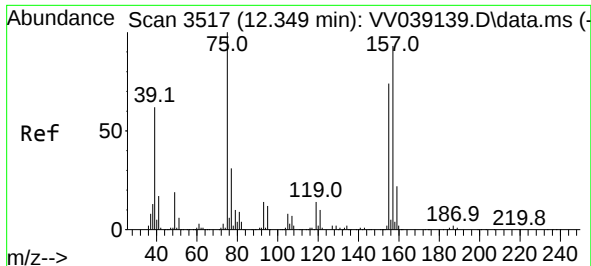
Tgt Ion: 75 Resp: 201911
Ion Ratio Lower Upper
75 100
77 1.3 11.3 33.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.171 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.074 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Tgt Ion: 75 Resp: 201911
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.0 37.2 55.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 12.342 min Scan# 31

Delta R.T. -0.007 min

Lab File: VV039148.D

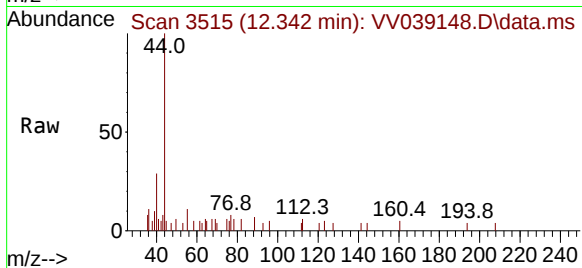
Acq: 24 Sep 2025 13:09

Instrument :

MSVOA_V

ClientSampleId :

VV0924WBL01



Tgt Ion:	75	Resp:	79
Ion	Ratio	Lower	Upper
75	100		
155	0.0	38.6	115.8#
157	0.0	49.5	148.3#

