

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070725\
 Data File : VV038865.D
 Acq On : 07 Jul 2025 10:57
 Operator : SY/MD
 Sample : VV0707WBL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0707WBL01

Quant Time: Jul 08 02:38:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V070225W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 08 02:37:09 2025
 Response via : Initial Calibration

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

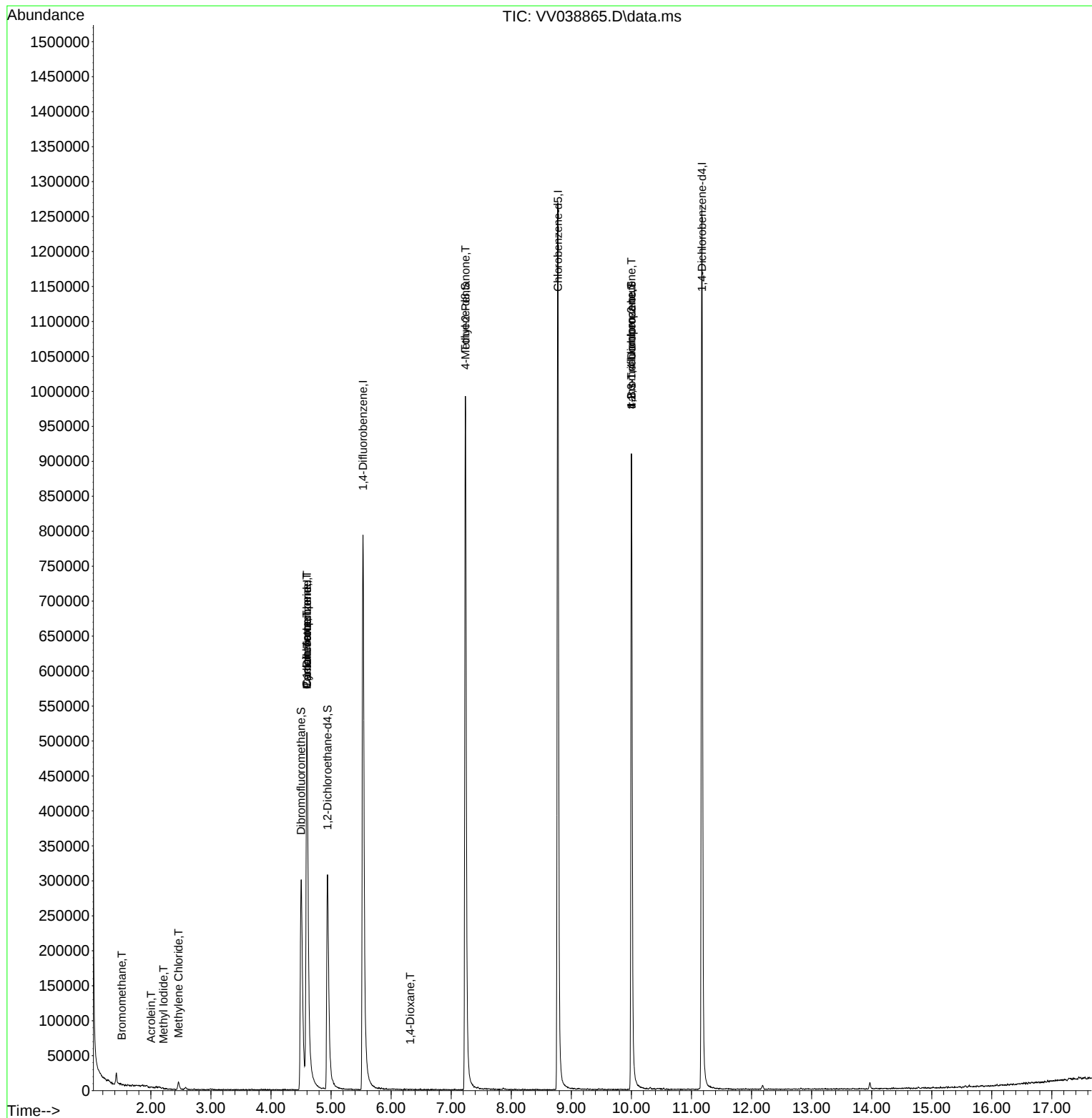
Internal Standards						
1) Pentafluorobenzene	4.600	168	455195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	782189	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	737155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	351416	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	279457	54.779	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 109.560%	
35) Dibromofluoromethane	4.503	113	255286	51.526	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 103.060%	
50) Toluene-d8	7.236	98	722880	45.096	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 90.200%	
62) 4-Bromofluorobenzene	10.001	95	308252	47.596	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 95.200%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.516	94	730	0.243	ug/l #	53
10) Methyl Iodide	2.211	142	1413	0.226	ug/l #	42
13) Acrolein	2.005	56	133	0.800	ug/l	95
20) Methylene Chloride	2.461	84	5336	0.950	ug/l #	86
31) Cyclohexane	4.596	56	8622	1.250	ug/l #	1
36) 1,1-Dichloropropene	4.596	75	35332	5.877	ug/l #	48
38) Carbon Tetrachloride	4.600	117	46808	5.915	ug/l #	18
49) 1,4-Dioxane	6.317	88	20	0.310	ug/l #	1
51) 4-Methyl-2-Pentanone	7.239	43	2452	0.397	ug/l #	1
76) 1,2,3-Trichloropropane	10.001	75	159023	29.247	ug/l #	55
81) trans-1,4-Dichloro-2-b...	10.001	75	159023	62.256	ug/l #	12

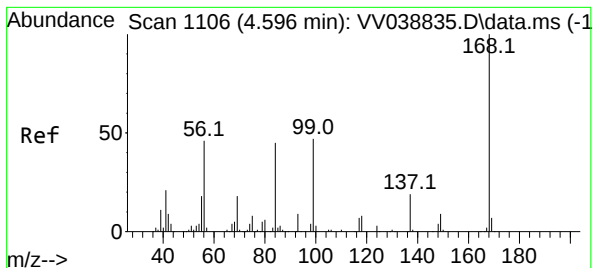
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 11

Delta R.T. 0.004 min

Lab File: VV038865.D

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Instrument :

MSVOA_V

ClientSampleId :

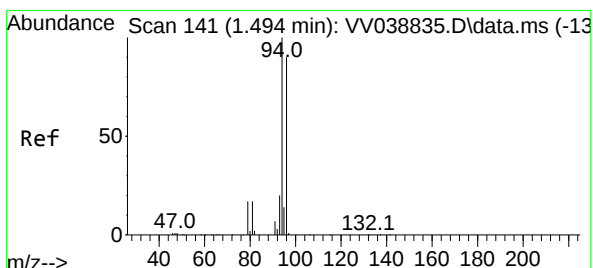
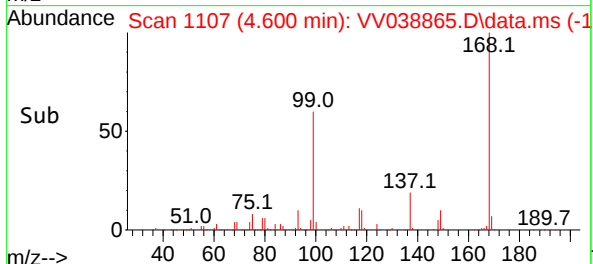
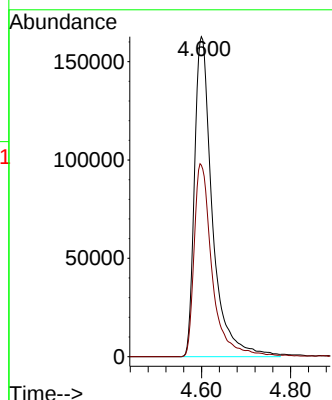
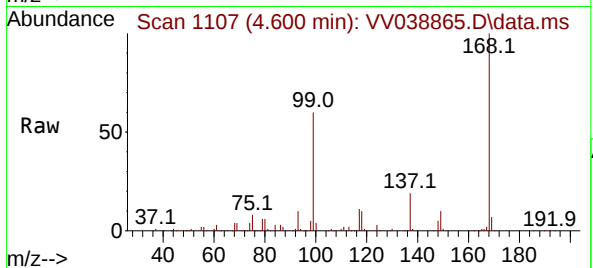
VV0707WBL01

Tgt Ion:168 Resp: 455195

Ion Ratio Lower Upper

168 100

99 59.8 48.6 73.0



#5

Bromomethane

Concen: 0.243 ug/l

RT: 1.516 min Scan# 148

Delta R.T. 0.022 min

Lab File: VV038865.D

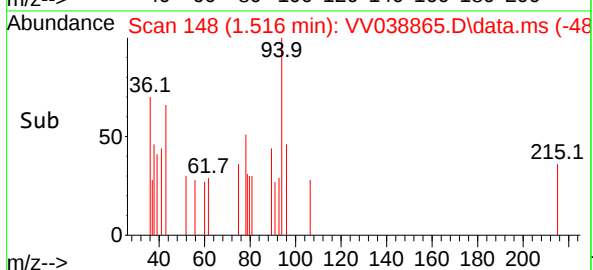
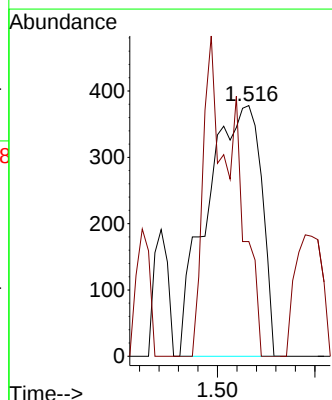
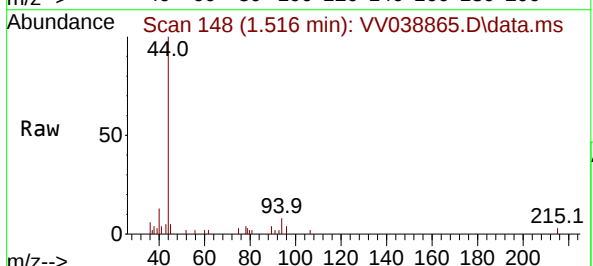
Acq: 07 Jul 2025 10:57

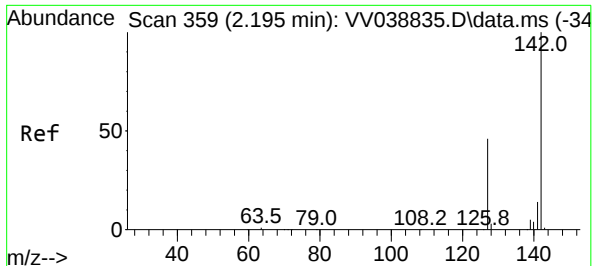
Tgt Ion: 94 Resp: 730

Ion Ratio Lower Upper

94 100

96 45.8 72.2 108.4#

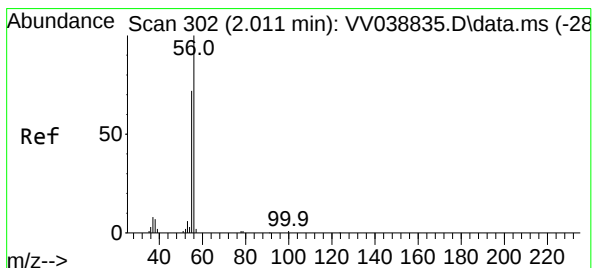
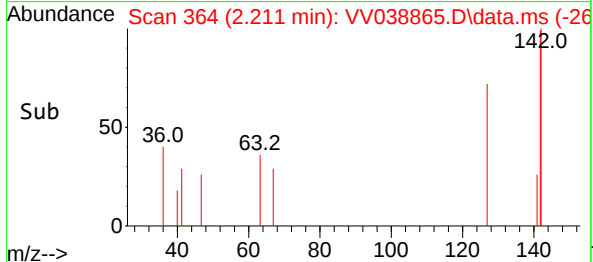
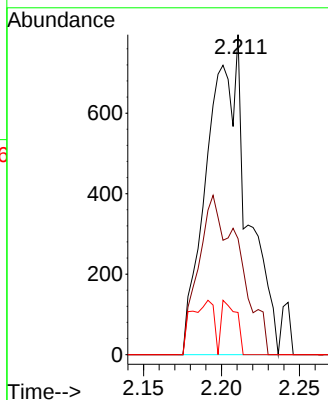
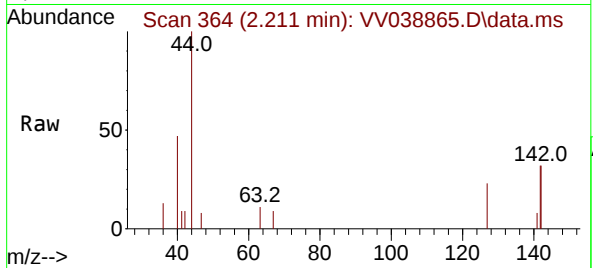




#10
Methyl Iodide
Concen: 0.226 ug/l
RT: 2.211 min Scan# 30
Delta R.T. 0.016 min
Lab File: VV038865.D
Acq: 07 Jul 2025 10:57

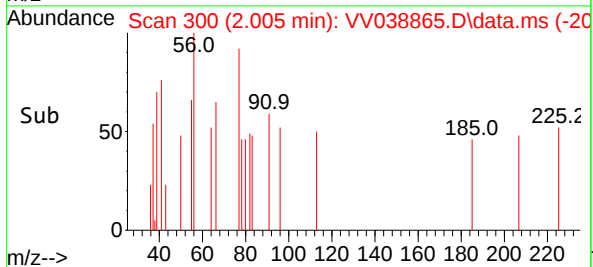
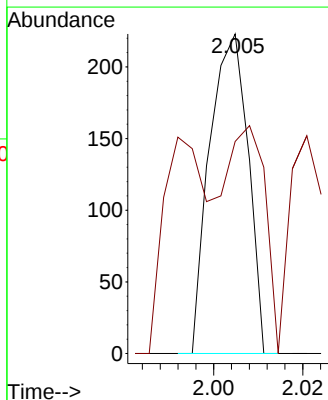
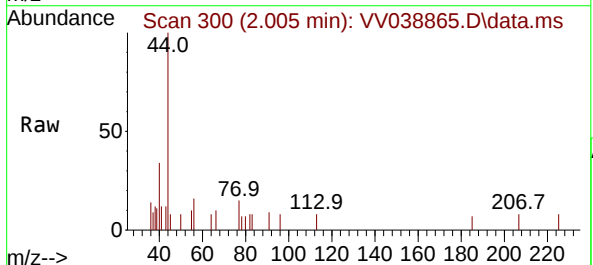
Instrument :
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VV0707WBL01

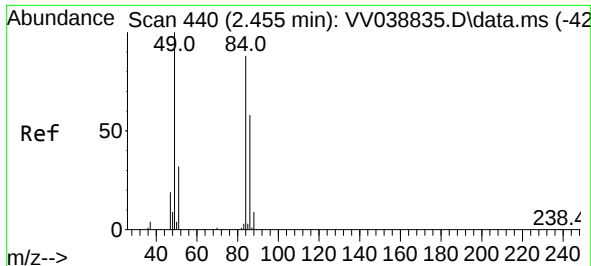
Tgt Ion:142 Resp: 1413
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 6.4 11.8 17.8#



#13
Acrolein
Concen: 0.800 ug/l
RT: 2.005 min Scan# 300
Delta R.T. -0.006 min
Lab File: VV038865.D
Acq: 07 Jul 2025 10:57

Tgt Ion: 56 Resp: 133
Ion Ratio Lower Upper
56 100
55 63.2 53.4 80.2

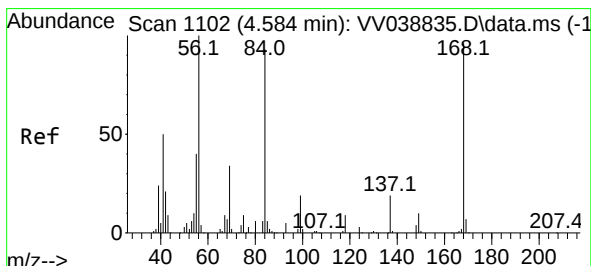
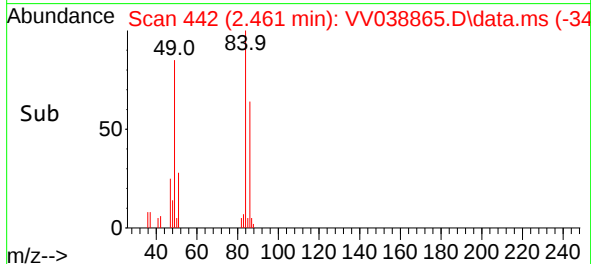
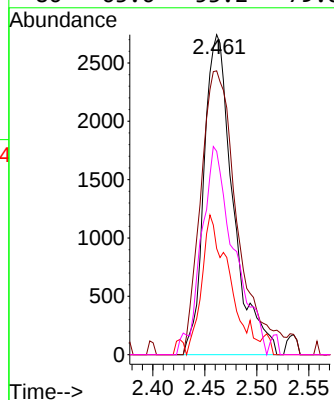
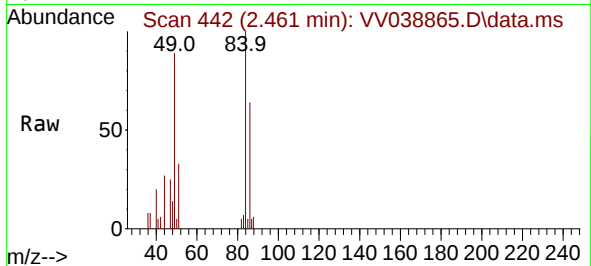




#20
Methylene Chloride
Concen: 0.950 ug/l
RT: 2.461 min Scan# 440
Delta R.T. 0.006 min
Lab File: VV038865.D
Acq: 07 Jul 2025 10:57

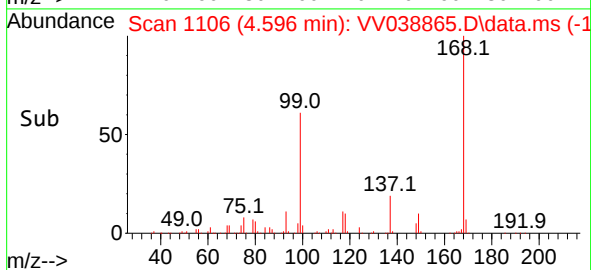
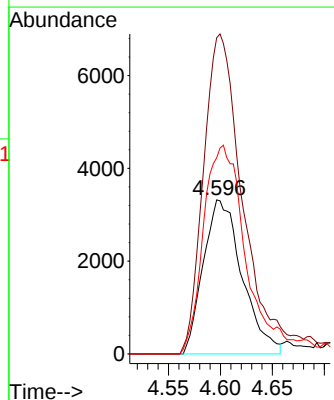
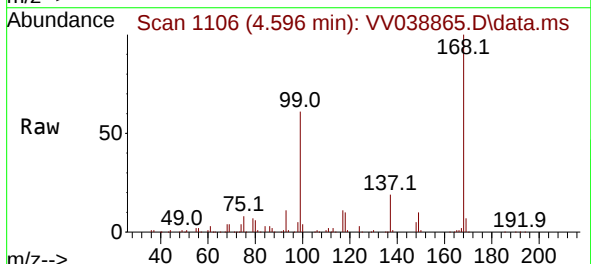
Instrument :
MSVOA_V
ClientSampleId :
VV0707WBL01

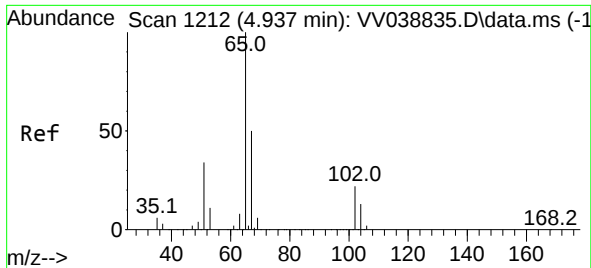
Tgt Ion:	84	Resp:	5336
Ion	Ratio	Lower	Upper
84	100		
49	88.7	91.0	136.4#
51	33.2	29.4	44.2
86	63.6	53.2	79.8



#31
Cyclohexane
Concen: 1.250 ug/l
RT: 4.596 min Scan# 1106
Delta R.T. 0.013 min
Lab File: VV038865.D
Acq: 07 Jul 2025 10:57

Tgt Ion:	56	Resp:	8622
Ion	Ratio	Lower	Upper
56	100		
69	213.0	27.0	40.4#
84	132.1	74.4	111.6#

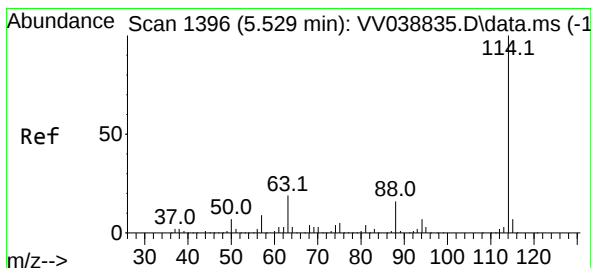
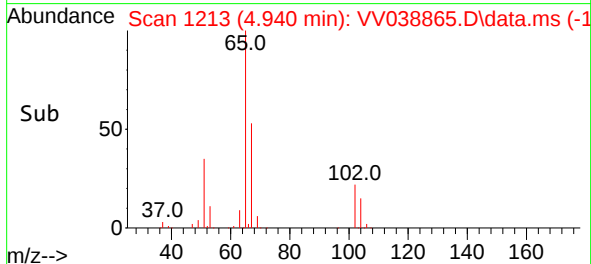
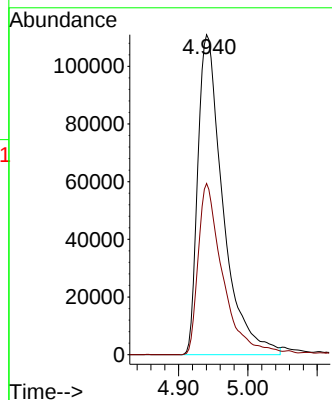
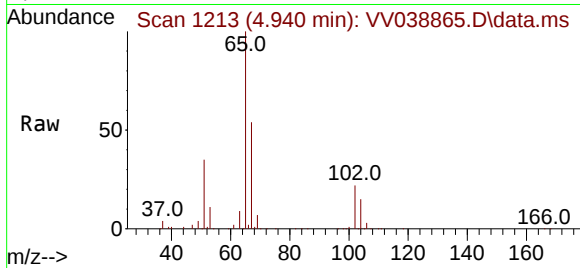




#33
 1,2-Dichloroethane-d4
 Concen: 54.779 ug/l
 RT: 4.940 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VV038865.D
 Acq: 07 Jul 2025 10:57

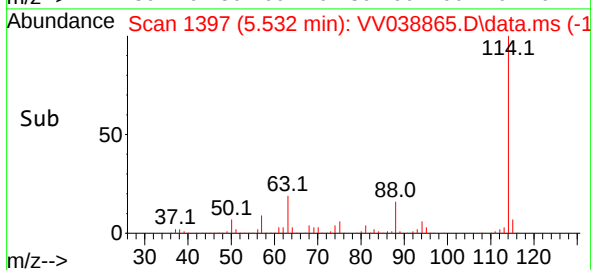
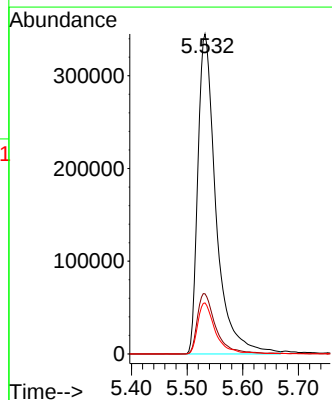
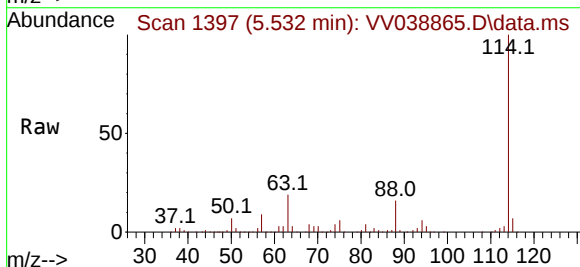
Instrument :
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 ClientSampleId :
 VV0707WBL01

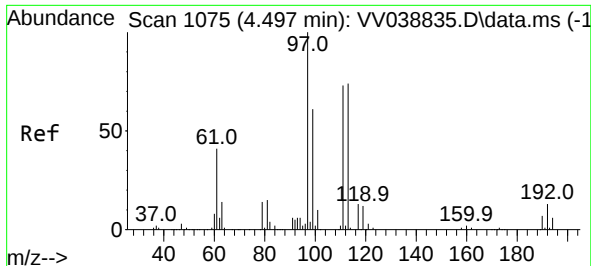
Tgt Ion: 65 Resp: 279457
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.532 min Scan# 1397
 Delta R.T. 0.003 min
 Lab File: VV038865.D
 Acq: 07 Jul 2025 10:57

Tgt Ion: 114 Resp: 782189
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.4
 88 16.0 0.0 31.2

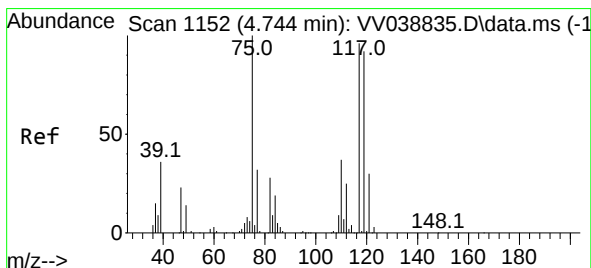
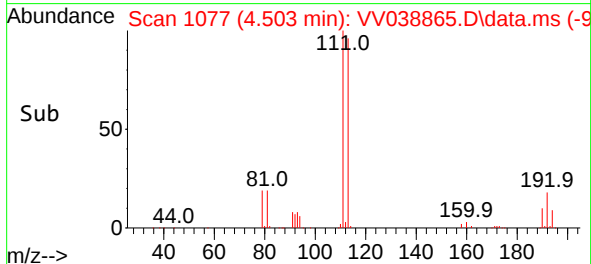
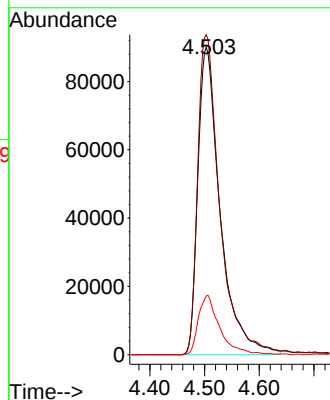
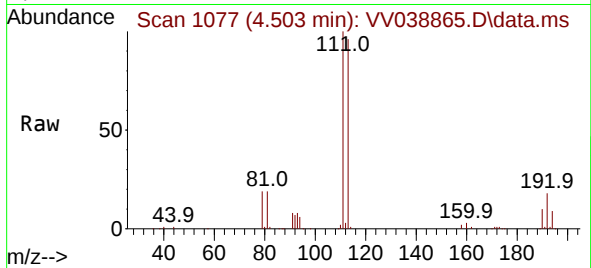




#35
Dibromofluoromethane
Concen: 51.526 ug/l
RT: 4.503 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VV038865.D
Acq: 07 Jul 2025 10:57

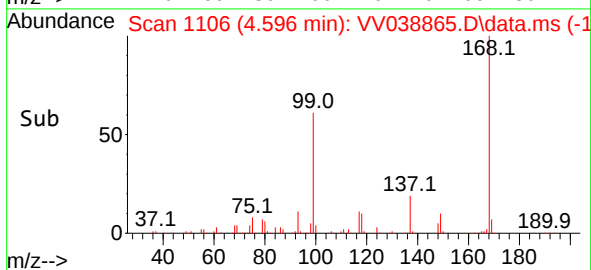
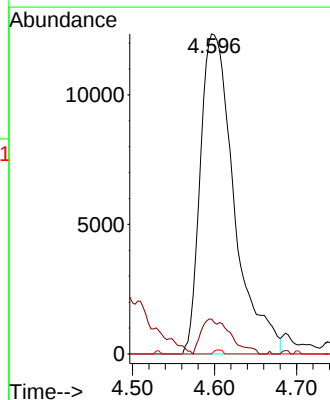
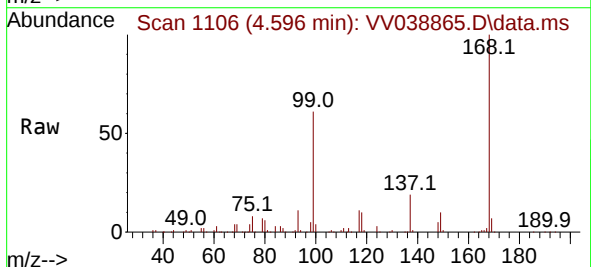
Instrument :
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ClientSampleId :
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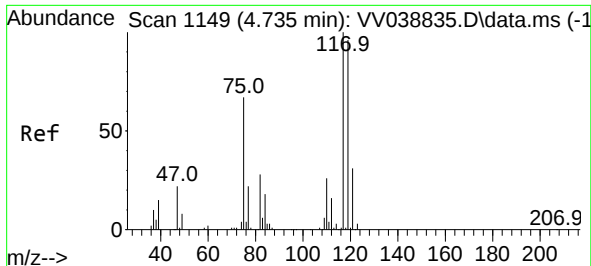
Tgt Ion:113 Resp: 255286
Ion Ratio Lower Upper
113 100
111 104.1 81.5 122.3
192 18.1 14.7 22.1



#36
1,1-Dichloropropene
Concen: 5.877 ug/l
RT: 4.596 min Scan# 1106
Delta R.T. -0.148 min
Lab File: VV038865.D
Acq: 07 Jul 2025 10:57

Tgt Ion: 75 Resp: 35332
Ion Ratio Lower Upper
75 100
110 9.5 19.3 57.9#
77 0.3 25.1 37.7#

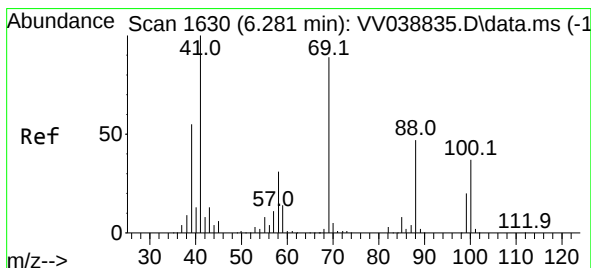
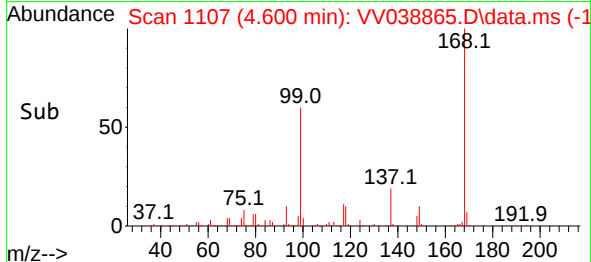
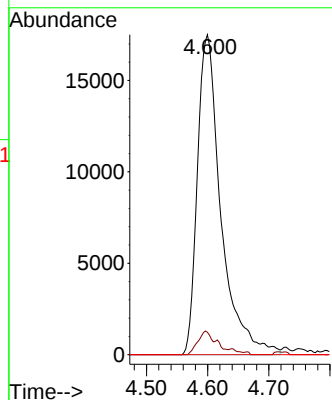
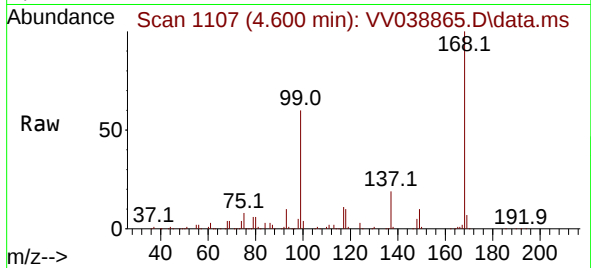




#38
Carbon Tetrachloride
Concen: 5.915 ug/l
RT: 4.600 min Scan# 1149
Delta R.T. -0.135 min
Lab File: VV038865.D
Acq: 07 Jul 2025 10:57

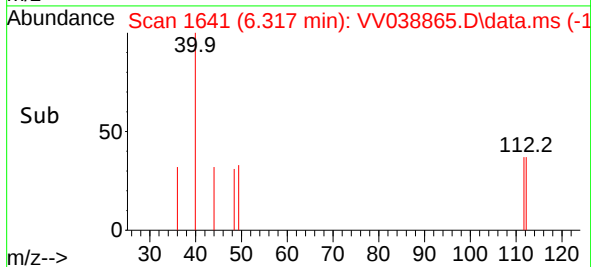
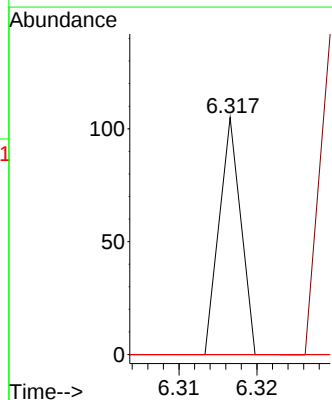
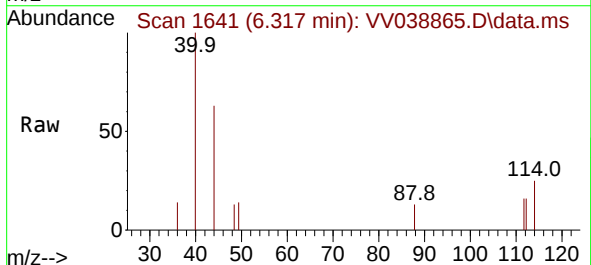
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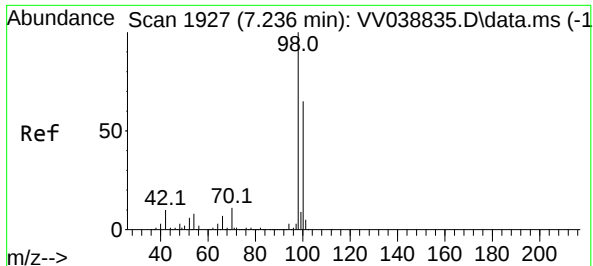
Tgt Ion:117 Resp: 46808
Ion Ratio Lower Upper
117 100
119 7.0 76.5 114.7#
121 0.0 25.0 37.6#



#49
1,4-Dioxane
Concen: 0.310 ug/l
RT: 6.317 min Scan# 1641
Delta R.T. 0.035 min
Lab File: VV038865.D
Acq: 07 Jul 2025 10:57

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 605.0 25.2 37.8#
58 0.0 52.1 78.1#

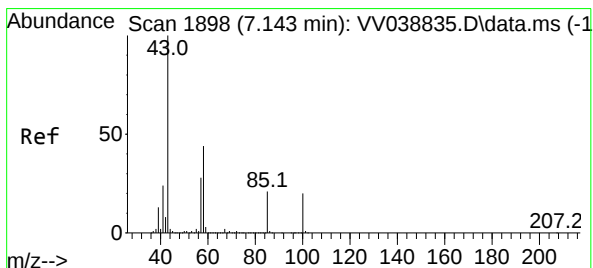
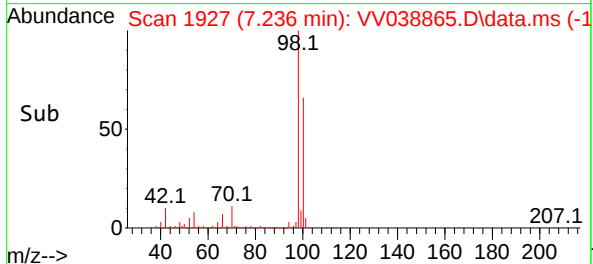
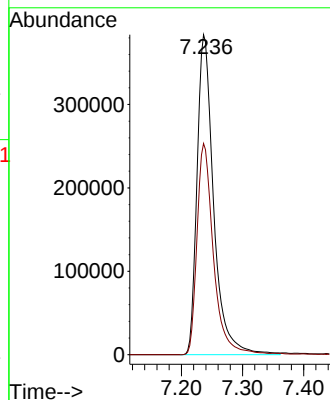
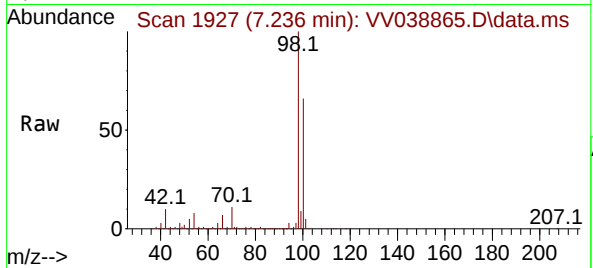




#50
Toluene-d8
Concen: 45.096 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV038865.D
Acq: 07 Jul 2025 10:57

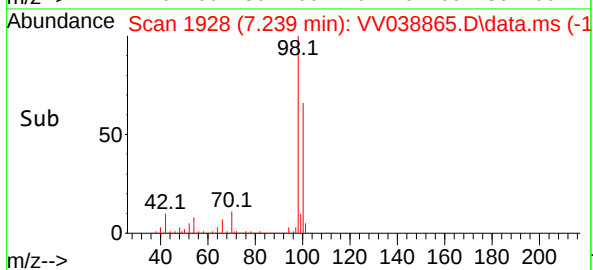
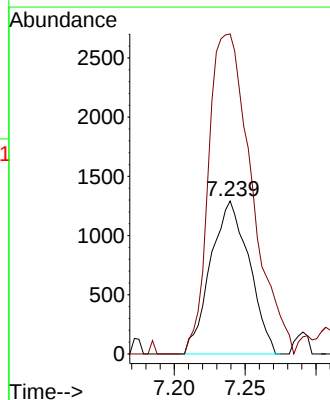
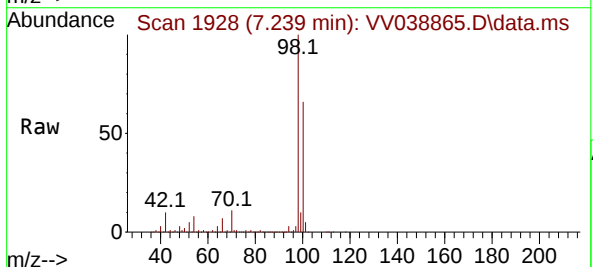
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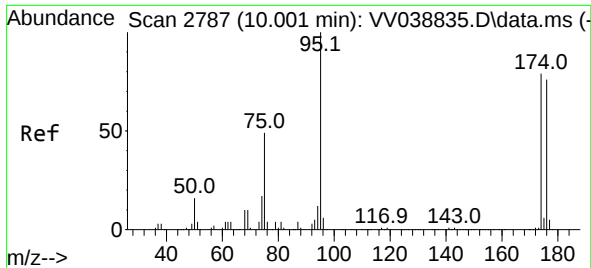
Tgt Ion: 98 Resp: 722880
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.397 ug/l
RT: 7.239 min Scan# 1928
Delta R.T. 0.096 min
Lab File: VV038865.D
Acq: 07 Jul 2025 10:57

Tgt Ion: 43 Resp: 2452
Ion Ratio Lower Upper
43 100
58 232.0 34.4 51.6#

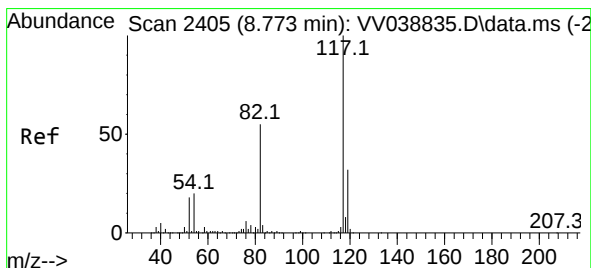
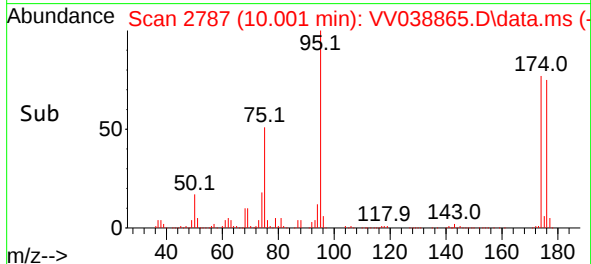
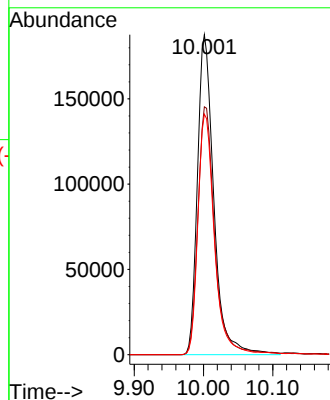
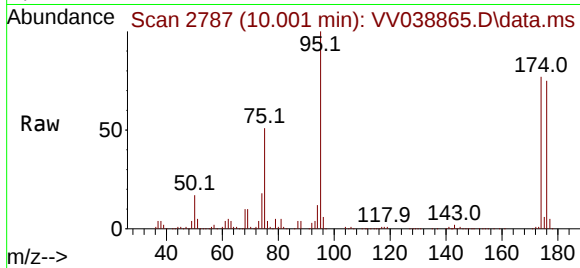




#62
4-Bromofluorobenzene
Concen: 47.596 ug/l
RT: 10.001 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV038865.D
Acq: 07 Jul 2025 10:57

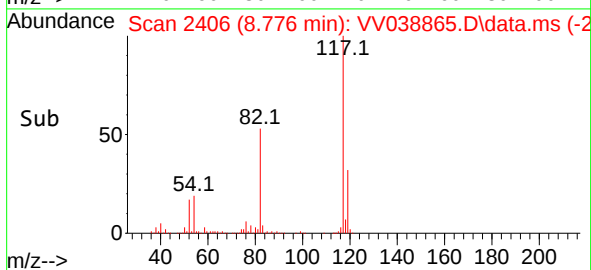
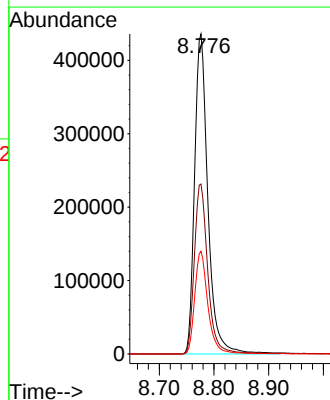
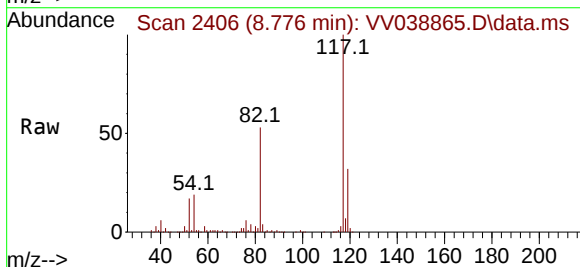
Instrument :
MSVOA_V
ClientSampleId :
VV0707WBL01

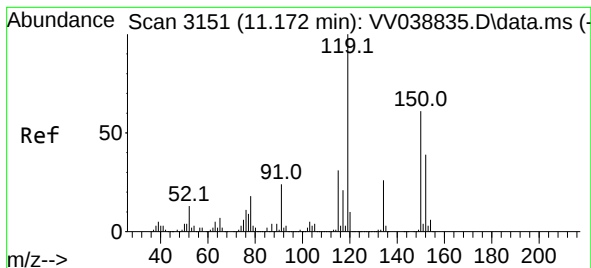
Tgt Ion: 95 Resp: 308252
Ion Ratio Lower Upper
95 100
174 79.9 0.0 158.2
176 76.4 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VV038865.D
Acq: 07 Jul 2025 10:57

Tgt Ion: 117 Resp: 737155
Ion Ratio Lower Upper
117 100
82 53.1 44.2 66.4
119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VV038865.D

Acq: 07 Jul 2025 10:57

Instrument :

MSVOA_V

ClientSampleId :

VV0707WBL01

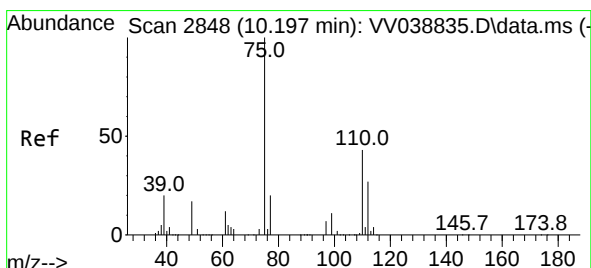
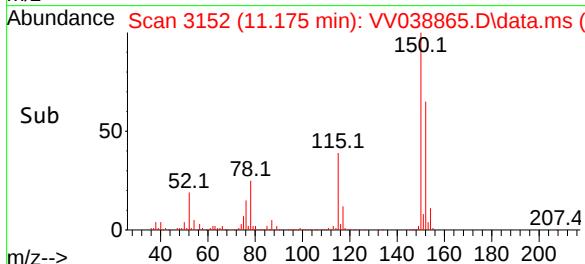
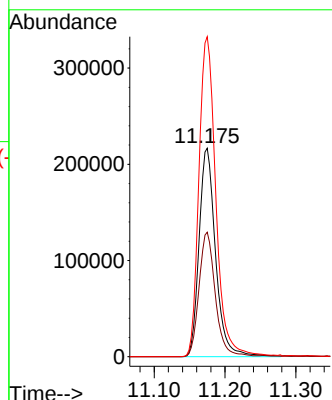
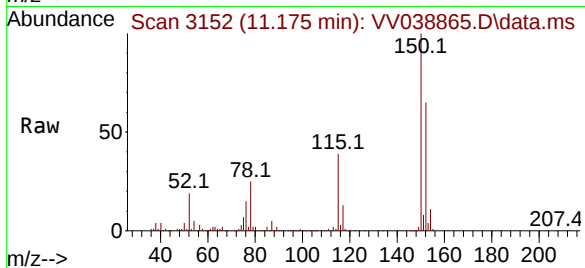
Tgt Ion:152 Resp: 351416

Ion Ratio Lower Upper

152 100

115 58.8 42.0 126.0

150 157.6 0.0 343.6



#76

1,2,3-Trichloropropane

Concen: 29.247 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. -0.196 min

Lab File: VV038865.D

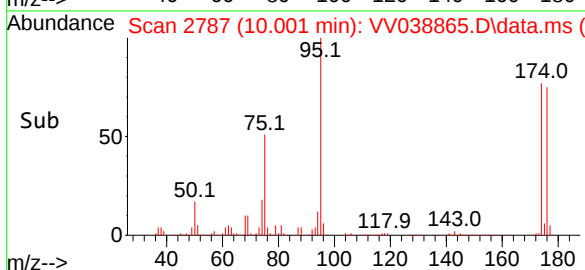
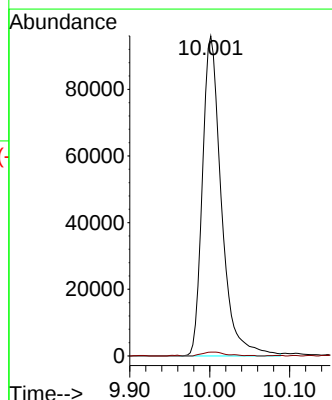
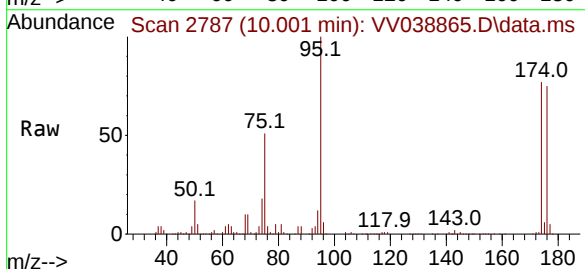
Acq: 07 Jul 2025 10:57

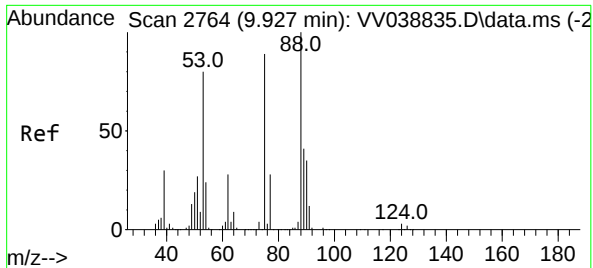
Tgt Ion: 75 Resp: 159023

Ion Ratio Lower Upper

75 100

77 1.5 11.7 35.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.256 ug/l
 RT: 10.001 min Scan# 21
 Delta R.T. 0.074 min
 Lab File: VV038865.D
 Acq: 07 Jul 2025 10:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0707WBL01

Tgt Ion: 75 Resp: 159023
 Ion Ratio Lower Upper
 75 100
 53 0.2 71.2 106.8#
 89 0.0 44.6 66.8#

