

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070725\
 Data File : VV038867.D
 Acq On : 07 Jul 2025 12:50
 Operator : SY/MD
 Sample : VV0707WBL03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0707WBL03

Quant Time: Jul 08 02:39:12 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)

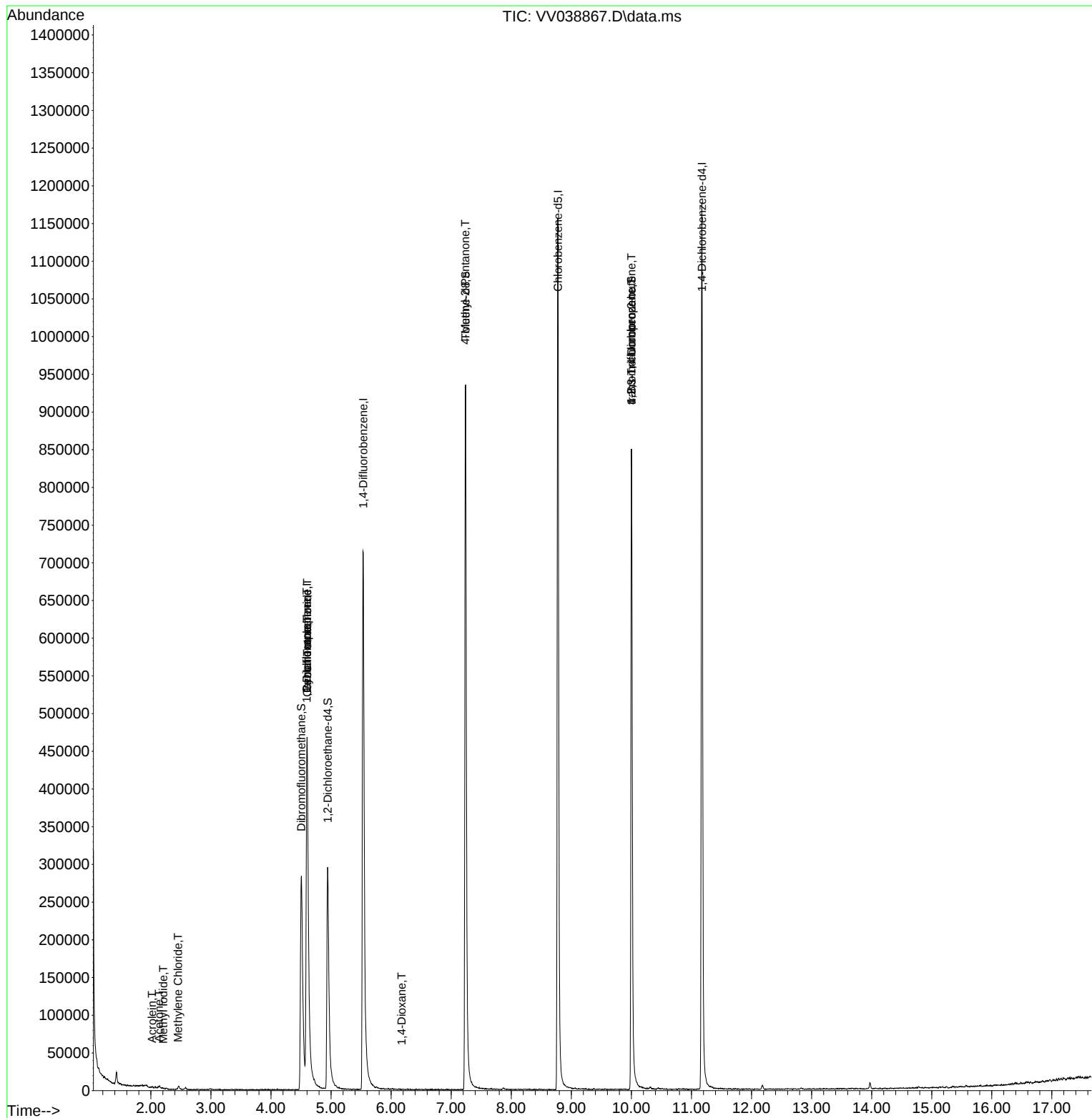
Internal Standards						
1) Pentafluorobenzene	4.600	168	408431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	716173	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	681665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	322968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	269615	58.901	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 117.800%			
35) Dibromofluoromethane	4.506	113	241138	53.156	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 106.320%			
50) Toluene-d8	7.239	98	677242	46.143	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 92.280%			
62) 4-Bromofluorobenzene	10.001	95	287126	48.421	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 96.840%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.204	142	1132	0.202	ug/l #	81
13) Acrolein	2.021	56	42	0.282	ug/l #	47
16) Acetone	2.137	43	1075	0.705	ug/l #	41
20) Methylene Chloride	2.455	84	1981	0.393	ug/l #	83
31) Cyclohexane	4.600	56	8059	1.302	ug/l #	17
36) 1,1-Dichloropropene	4.596	75	32073	5.826	ug/l #	45
38) Carbon Tetrachloride	4.603	117	43568	6.013	ug/l #	17
49) 1,4-Dioxane	6.175	88	50	0.847	ug/l #	26
51) 4-Methyl-2-Pentanone	7.236	43	2665	0.471	ug/l #	1
76) 1,2,3-Trichloropropane	10.001	75	141879	28.393	ug/l #	55
81) trans-1,4-Dichloro-2-b...	10.001	75	141879	60.437	ug/l #	12

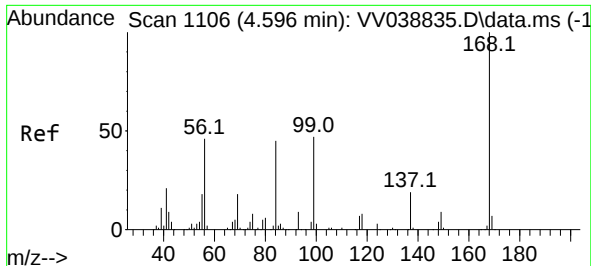
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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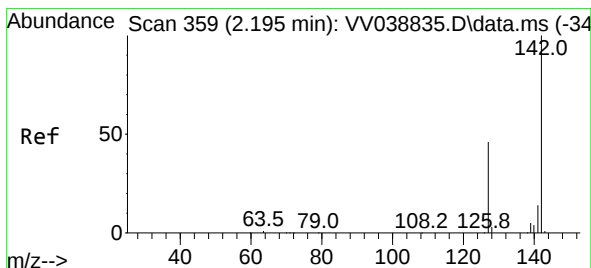
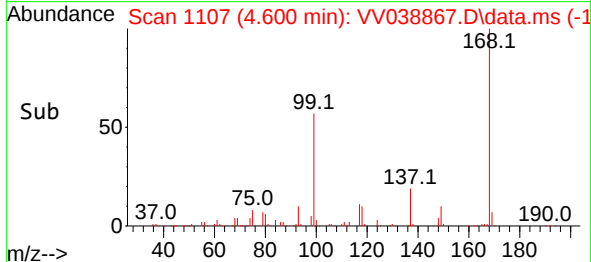
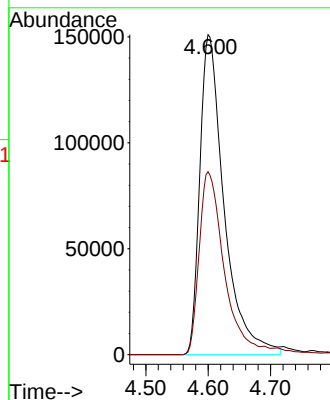
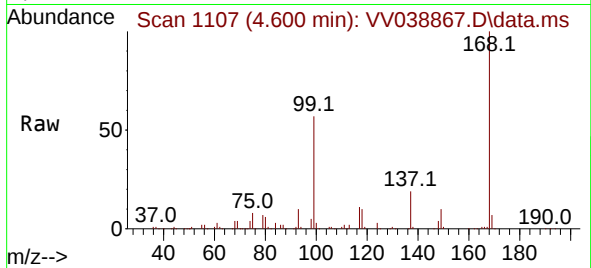




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. 0.004 min
Lab File: VV038867.D
Acq: 07 Jul 2025 12:50

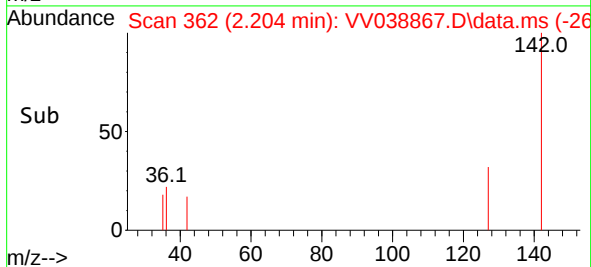
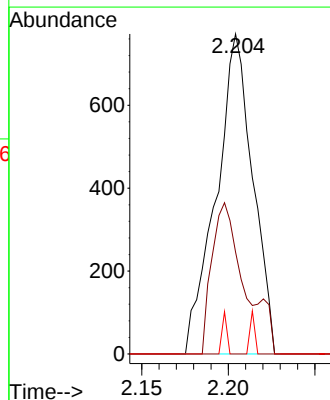
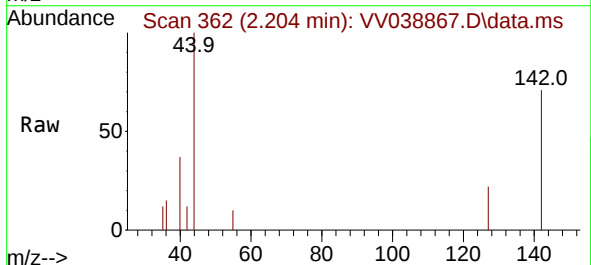
Instrument :
MSVOA_V
ClientSampleId :
VV0707WBL03

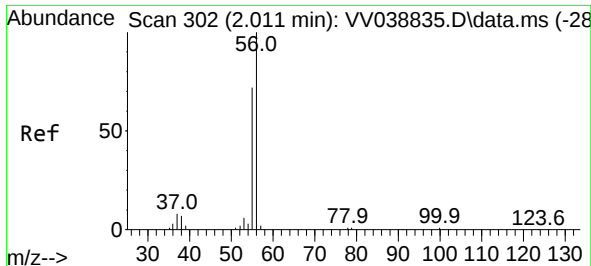
Tgt Ion:168 Resp: 408431
Ion Ratio Lower Upper
168 100
99 57.2 48.6 73.0



#10
Methyl Iodide
Concen: 0.202 ug/l
RT: 2.204 min Scan# 362
Delta R.T. 0.010 min
Lab File: VV038867.D
Acq: 07 Jul 2025 12:50

Tgt Ion:142 Resp: 1132
Ion Ratio Lower Upper
142 100
127 36.1 36.9 55.3#
141 1.8 11.8 17.8#

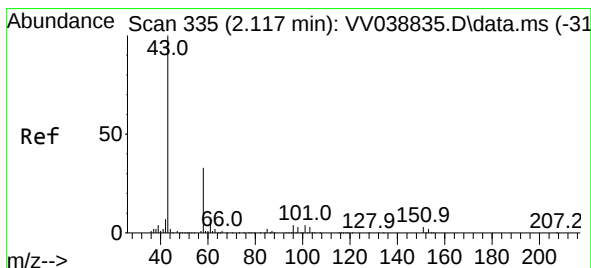
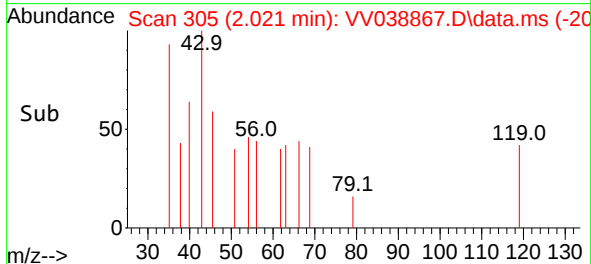
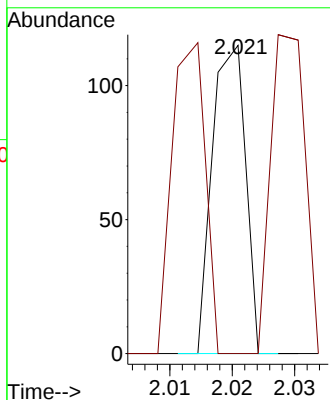
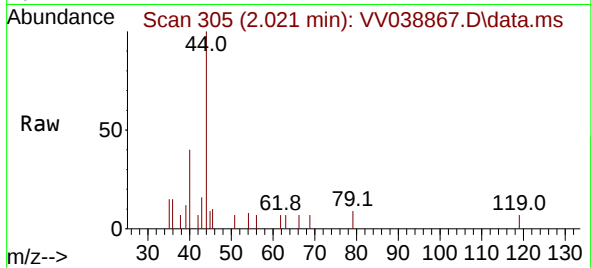




#13
Acrolein
Concen: 0.282 ug/l
RT: 2.021 min Scan# 302
Delta R.T. 0.010 min
Lab File: VV038867.D
Acq: 07 Jul 2025 12:50

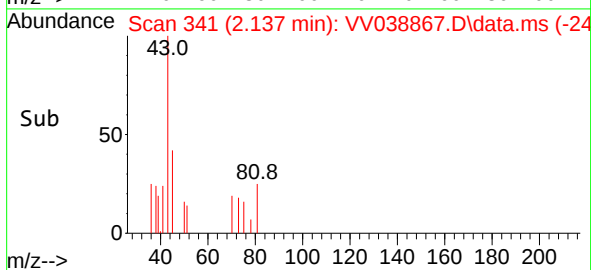
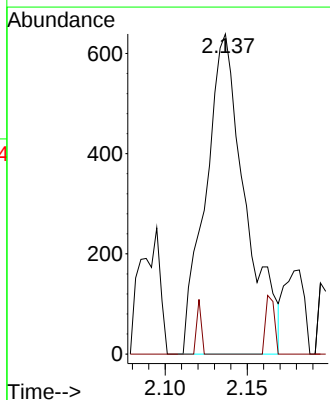
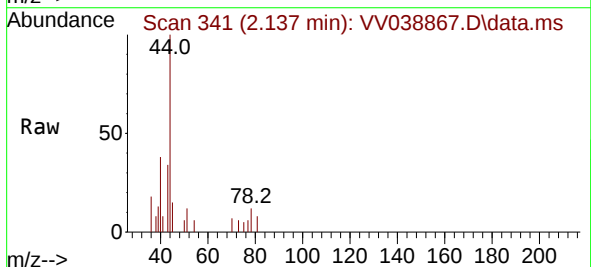
Instrument :
MSVOA_V
ClientSampleId :
VV0707WBL03

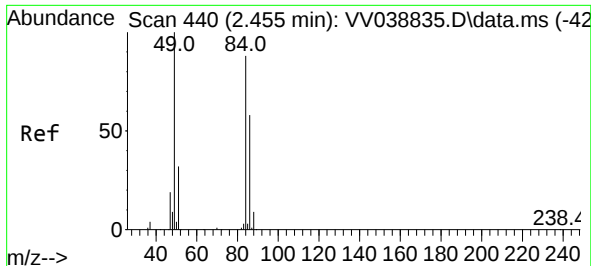
Tgt Ion: 56 Resp: 42
Ion Ratio Lower Upper
56 100
55 109.5 53.4 80.2#



#16
Acetone
Concen: 0.705 ug/l
RT: 2.137 min Scan# 341
Delta R.T. 0.019 min
Lab File: VV038867.D
Acq: 07 Jul 2025 12:50

Tgt Ion: 43 Resp: 1075
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

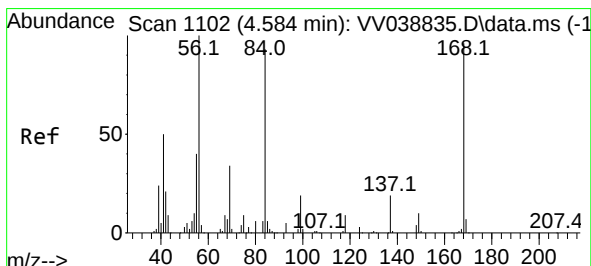
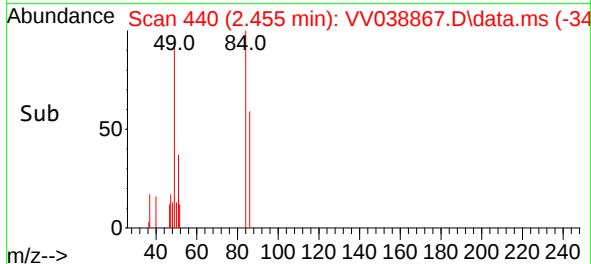
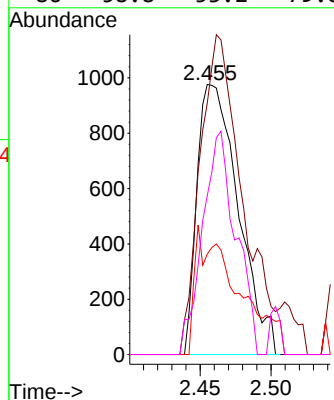
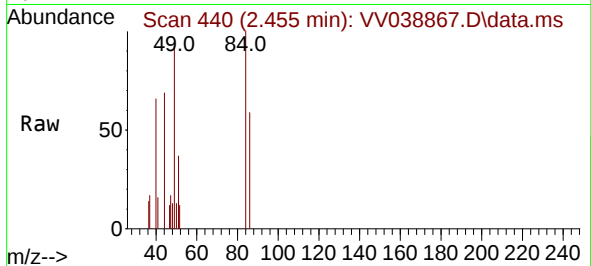




#20
Methylene Chloride
Concen: 0.393 ug/l
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV038867.D
Acq: 07 Jul 2025 12:50

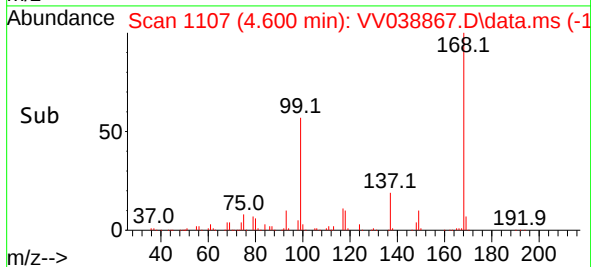
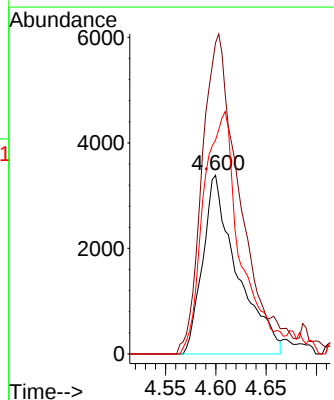
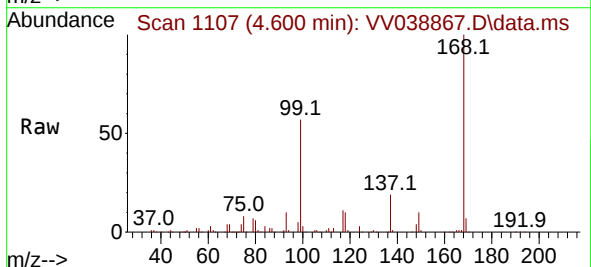
Instrument :
MSVOA_V
ClientSampleId :
VV0707WBL03

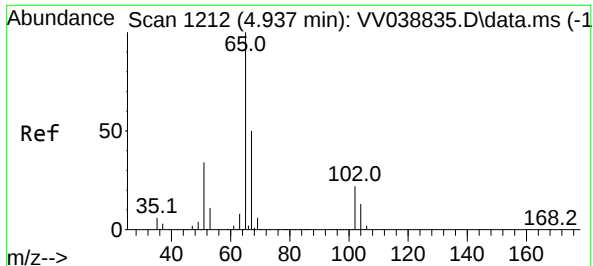
Tgt Ion:	84	Resp:	1981
Ion	Ratio	Lower	Upper
84	100		
49	93.0	91.0	136.4
51	49.4	29.4	44.2#
86	58.8	53.2	79.8



#31
Cyclohexane
Concen: 1.302 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. 0.016 min
Lab File: VV038867.D
Acq: 07 Jul 2025 12:50

Tgt Ion:	56	Resp:	8059
Ion	Ratio	Lower	Upper
56	100		
69	168.8	27.0	40.4#
84	119.8	74.4	111.6#





#33

1,2-Dichloroethane-d4

Concen: 58.901 ug/l

RT: 4.944 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV038867.D

Acq: 07 Jul 2025 12:50

Instrument :

MSVOA_V

ClientSampleId :

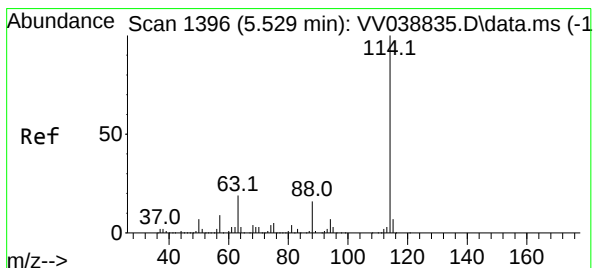
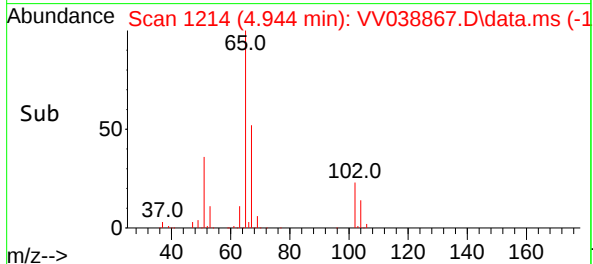
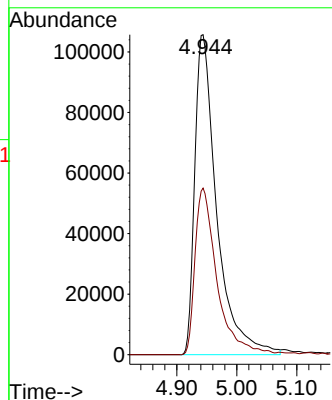
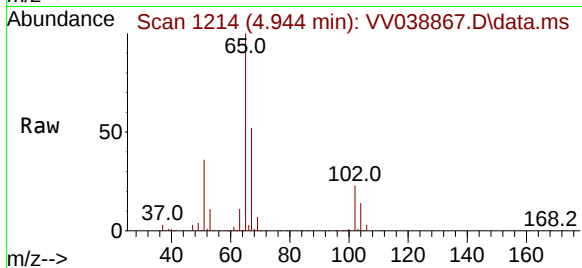
VV0707WBL03

Tgt Ion: 65 Resp: 269615

Ion Ratio Lower Upper

65 100

67 51.9 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VV038867.D

Acq: 07 Jul 2025 12:50

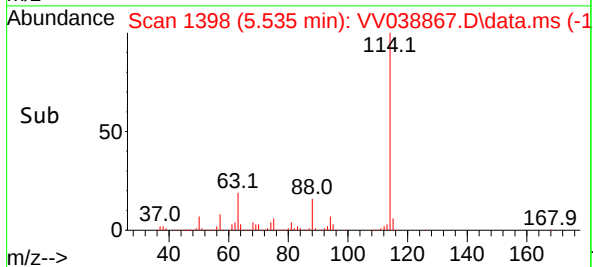
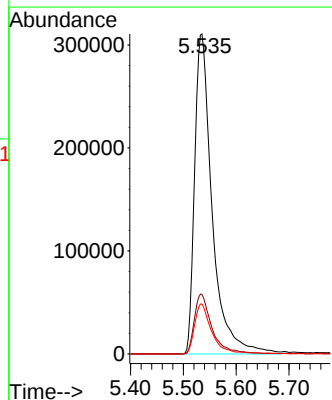
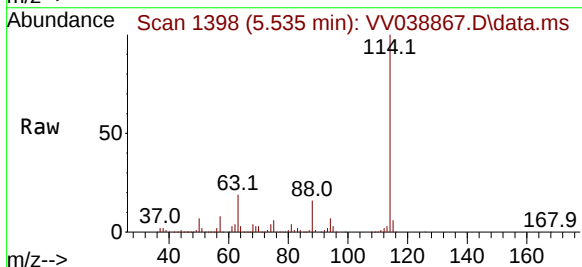
Tgt Ion: 114 Resp: 716173

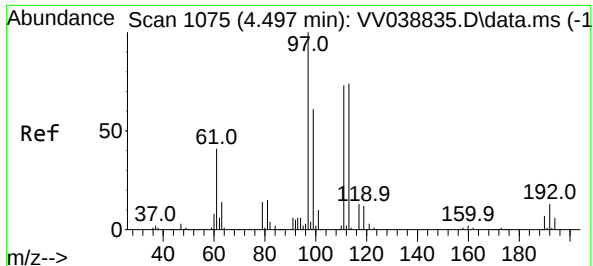
Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

88 15.6 0.0 31.2

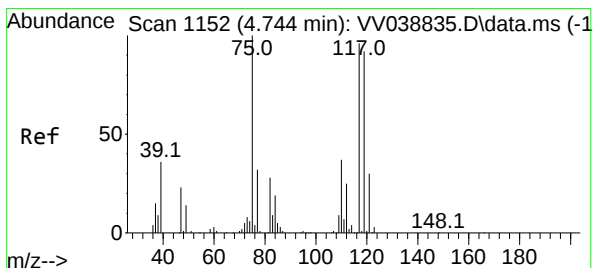
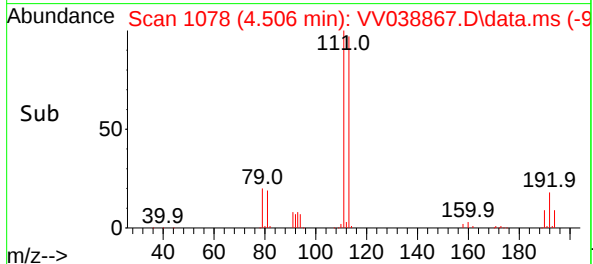
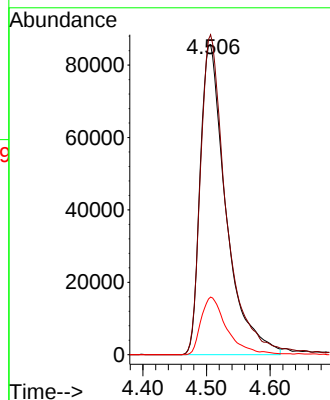
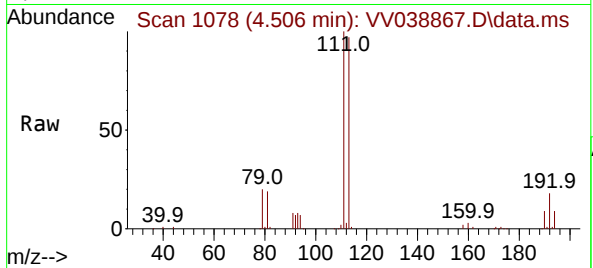




#35
Dibromofluoromethane
Concen: 53.156 ug/l
RT: 4.506 min Scan# 1106
Delta R.T. 0.010 min
Lab File: VV038867.D
Acq: 07 Jul 2025 12:50

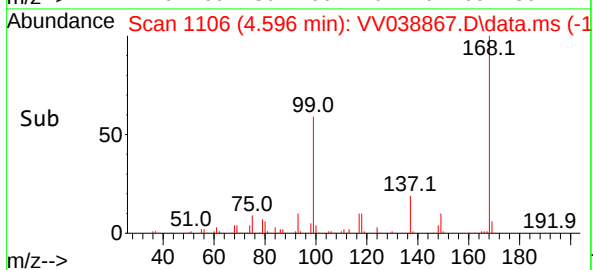
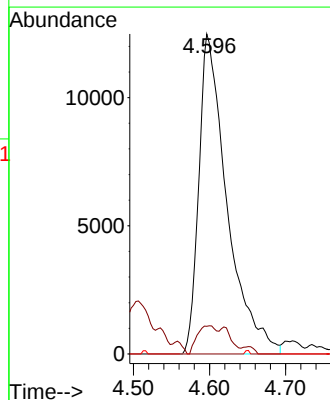
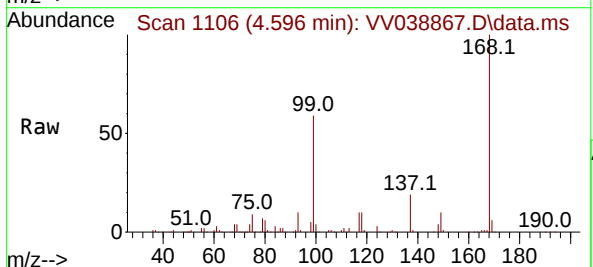
Instrument :
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ClientSampleId :
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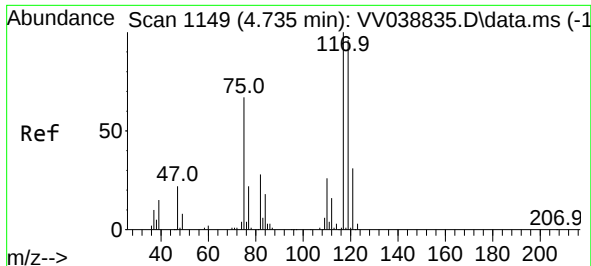
Tgt Ion:113 Resp: 241138
Ion Ratio Lower Upper
113 100
111 102.7 81.5 122.3
192 18.2 14.7 22.1



#36
1,1-Dichloropropene
Concen: 5.826 ug/l
RT: 4.596 min Scan# 1106
Delta R.T. -0.148 min
Lab File: VV038867.D
Acq: 07 Jul 2025 12:50

Tgt Ion: 75 Resp: 32073
Ion Ratio Lower Upper
75 100
110 6.4 19.3 57.9#
77 0.0 25.1 37.7#

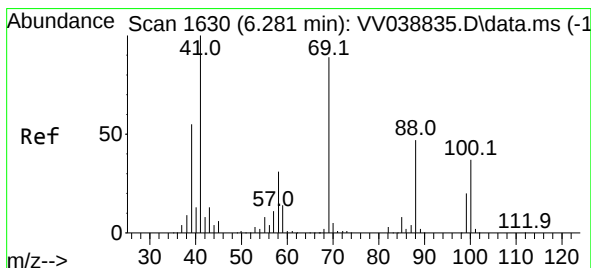
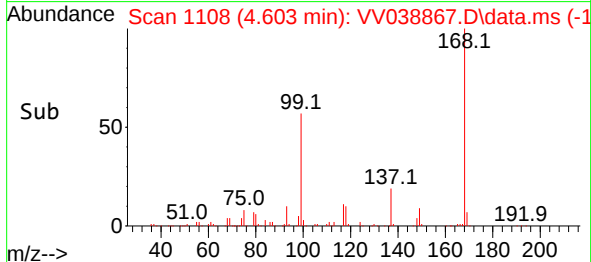
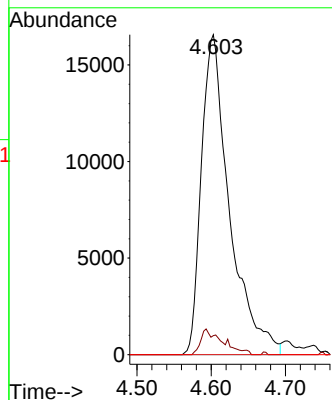
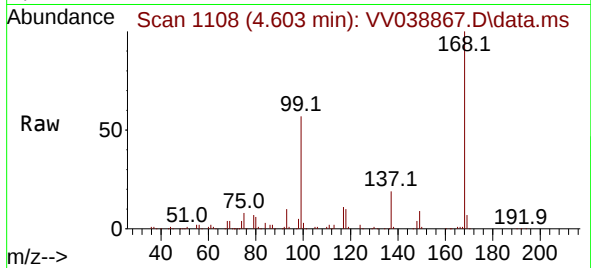




#38
Carbon Tetrachloride
Concen: 6.013 ug/l
RT: 4.603 min Scan# 1149
Delta R.T. -0.132 min
Lab File: VV038867.D
Acq: 07 Jul 2025 12:50

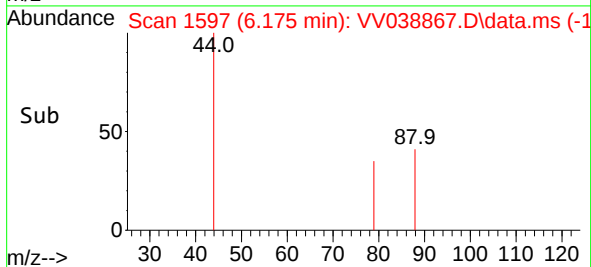
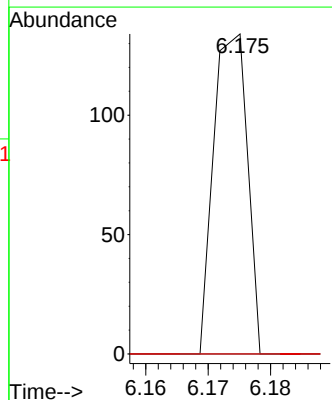
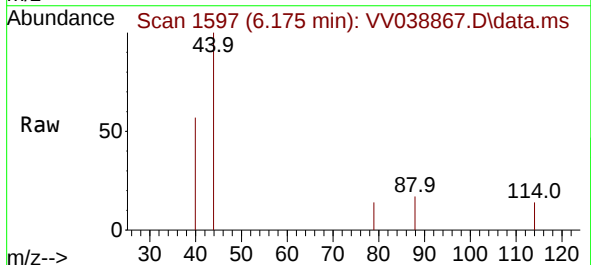
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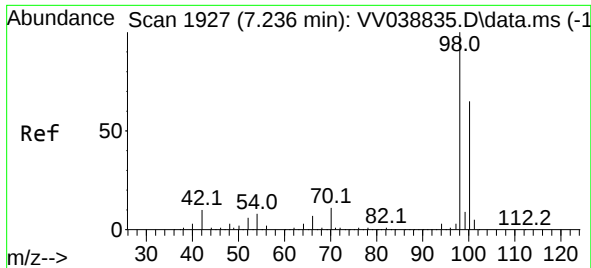
Tgt Ion:117 Resp: 43568
Ion Ratio Lower Upper
117 100
119 6.0 76.5 114.7#
121 0.0 25.0 37.6#



#49
1,4-Dioxane
Concen: 0.847 ug/l
RT: 6.175 min Scan# 1597
Delta R.T. -0.106 min
Lab File: VV038867.D
Acq: 07 Jul 2025 12:50

Tgt Ion: 88 Resp: 50
Ion Ratio Lower Upper
88 100
43 0.0 25.2 37.8#
58 0.0 52.1 78.1#

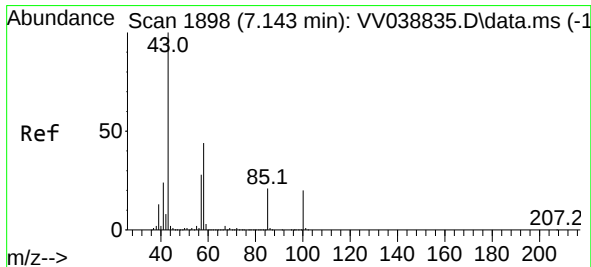
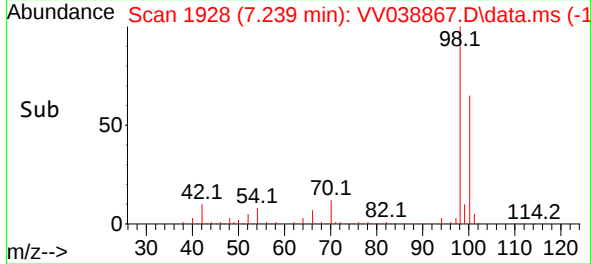
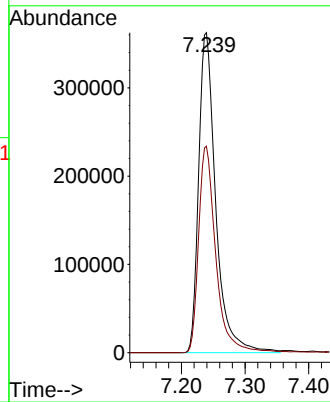
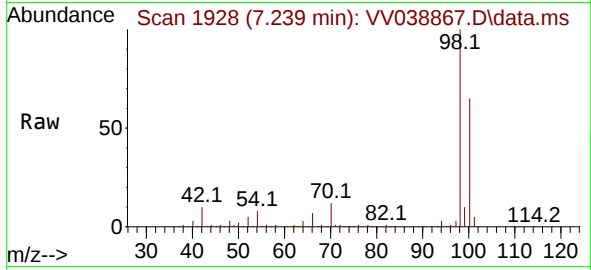




#50
Toluene-d8
Concen: 46.143 ug/l
RT: 7.239 min Scan# 1928
Delta R.T. 0.003 min
Lab File: VV038867.D
Acq: 07 Jul 2025 12:50

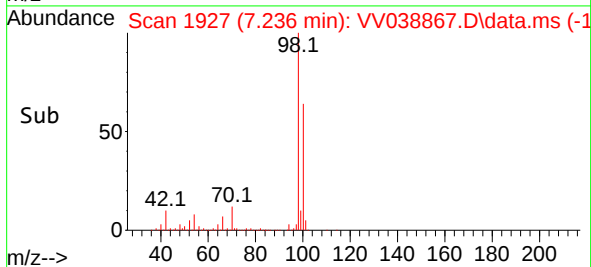
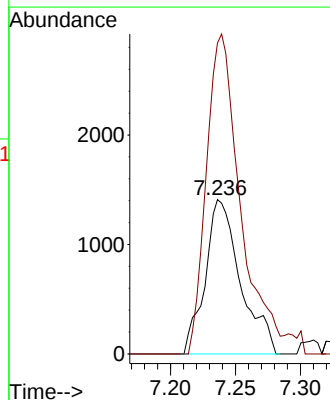
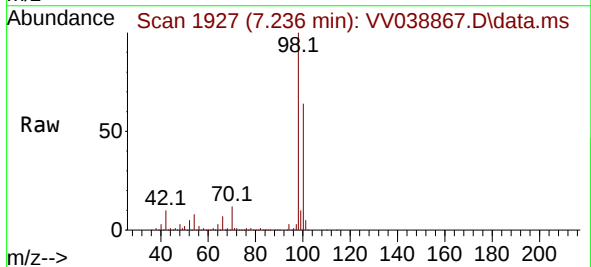
Instrument :
MSVOA_V
ClientSampleId :
VV0707WBL03

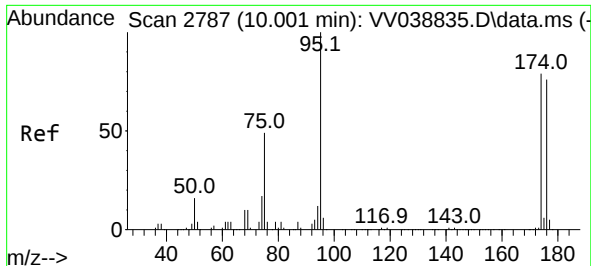
Tgt Ion: 98 Resp: 677242
Ion Ratio Lower Upper
98 100
100 65.0 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.471 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.093 min
Lab File: VV038867.D
Acq: 07 Jul 2025 12:50

Tgt Ion: 43 Resp: 2665
Ion Ratio Lower Upper
43 100
58 199.7 34.4 51.6#

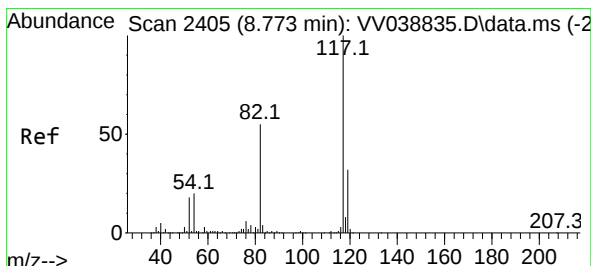
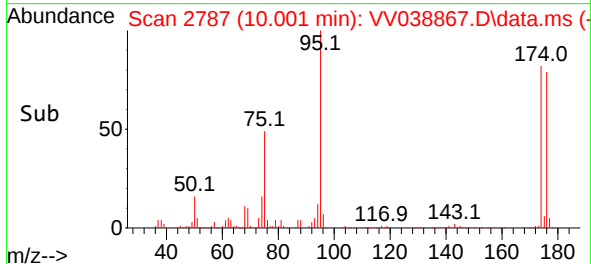
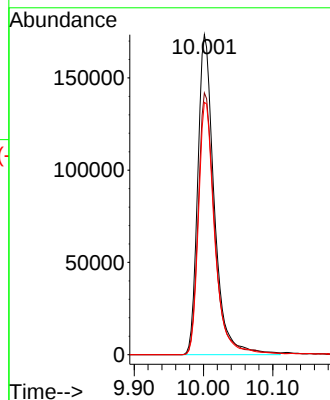
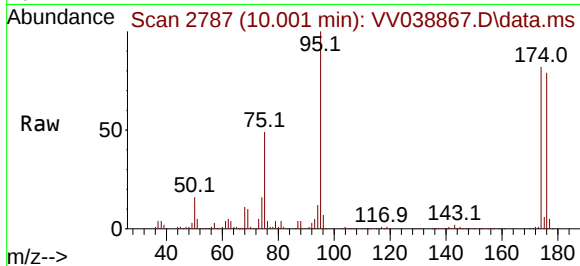




#62
4-Bromofluorobenzene
Concen: 48.421 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV038867.D
Acq: 07 Jul 2025 12:50

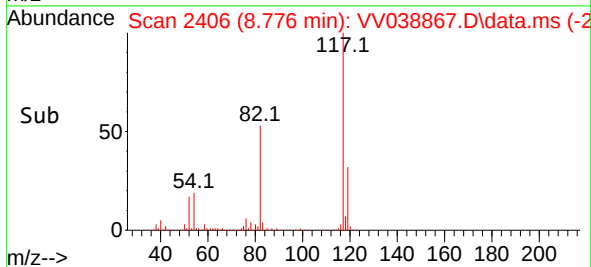
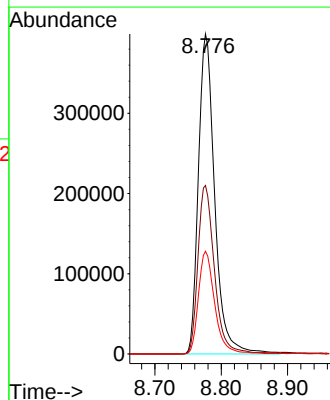
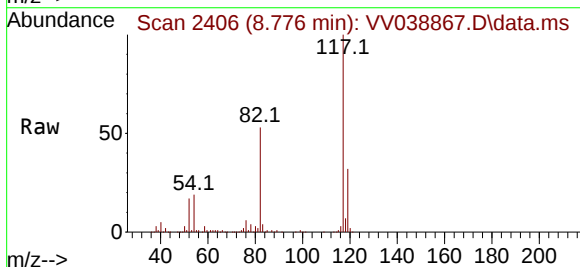
Instrument :
MSVOA_V
ClientSampleId :
VV0707WBL03

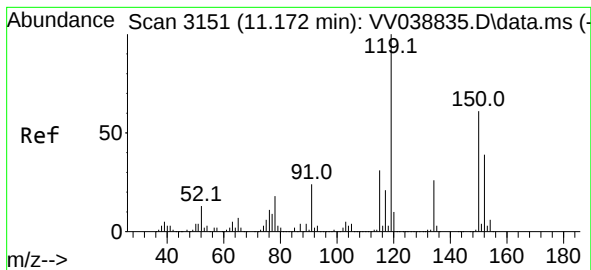
Tgt Ion: 95 Resp: 287126
Ion Ratio Lower Upper
95 100
174 81.5 0.0 158.2
176 78.3 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VV038867.D
Acq: 07 Jul 2025 12:50

Tgt Ion: 117 Resp: 681665
Ion Ratio Lower Upper
117 100
82 52.7 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: VV038867.D

Acq: 07 Jul 2025 12:50

Instrument :

MSVOA_V

ClientSampleId :

VV0707WBL03

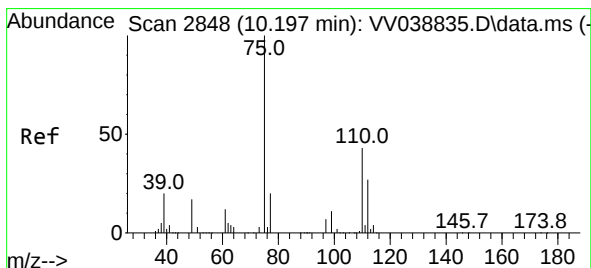
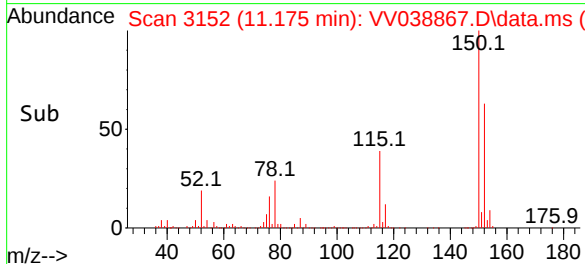
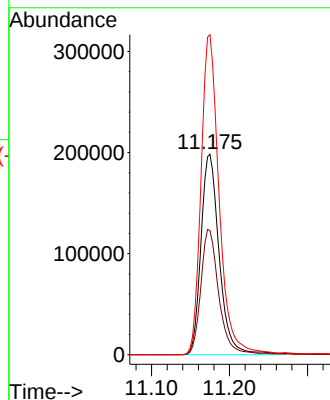
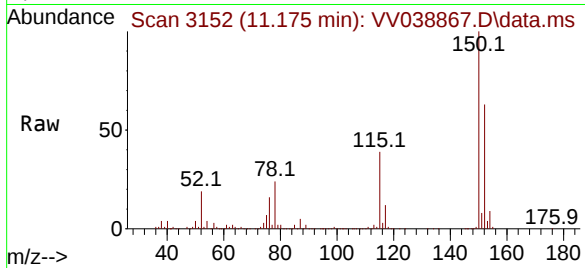
Tgt Ion:152 Resp: 322968

Ion Ratio Lower Upper

152 100

115 60.9 42.0 126.0

150 158.5 0.0 343.6



#76

1,2,3-Trichloropropane

Concen: 28.393 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. -0.196 min

Lab File: VV038867.D

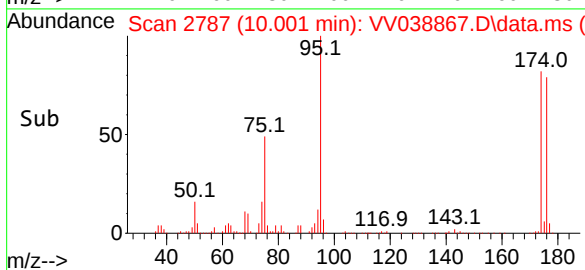
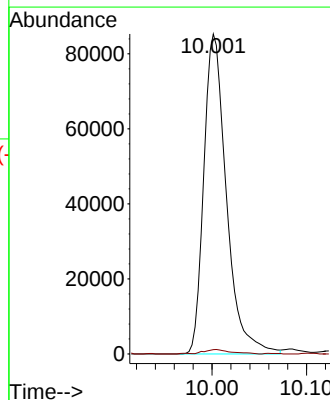
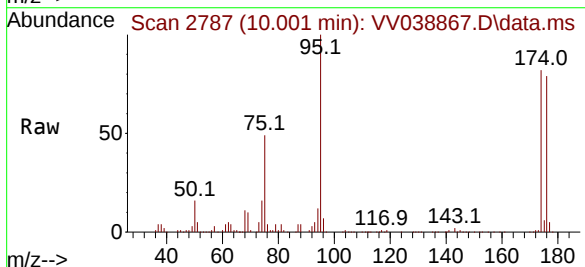
Acq: 07 Jul 2025 12:50

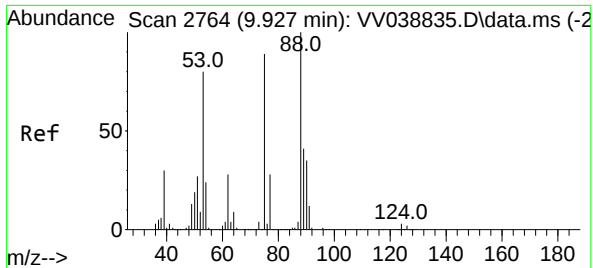
Tgt Ion: 75 Resp: 141879

Ion Ratio Lower Upper

75 100

77 1.6 11.7 35.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.437 ug/l
 RT: 10.001 min Scan# 21
 Delta R.T. 0.074 min
 Lab File: VV038867.D
 Acq: 07 Jul 2025 12:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0707WBL03

Tgt Ion: 75 Resp: 141879
 Ion Ratio Lower Upper
 75 100
 53 0.3 71.2 106.8#
 89 0.0 44.6 66.8#

