

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070325\
 Data File : VV038855.D
 Acq On : 03 Jul 2025 12:41
 Operator : SY/MD
 Sample : VV0703WBL04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0703WBL04

Quant Time: Jul 04 03:53:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 02:44:44 2025
 Response via : Initial Calibration

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

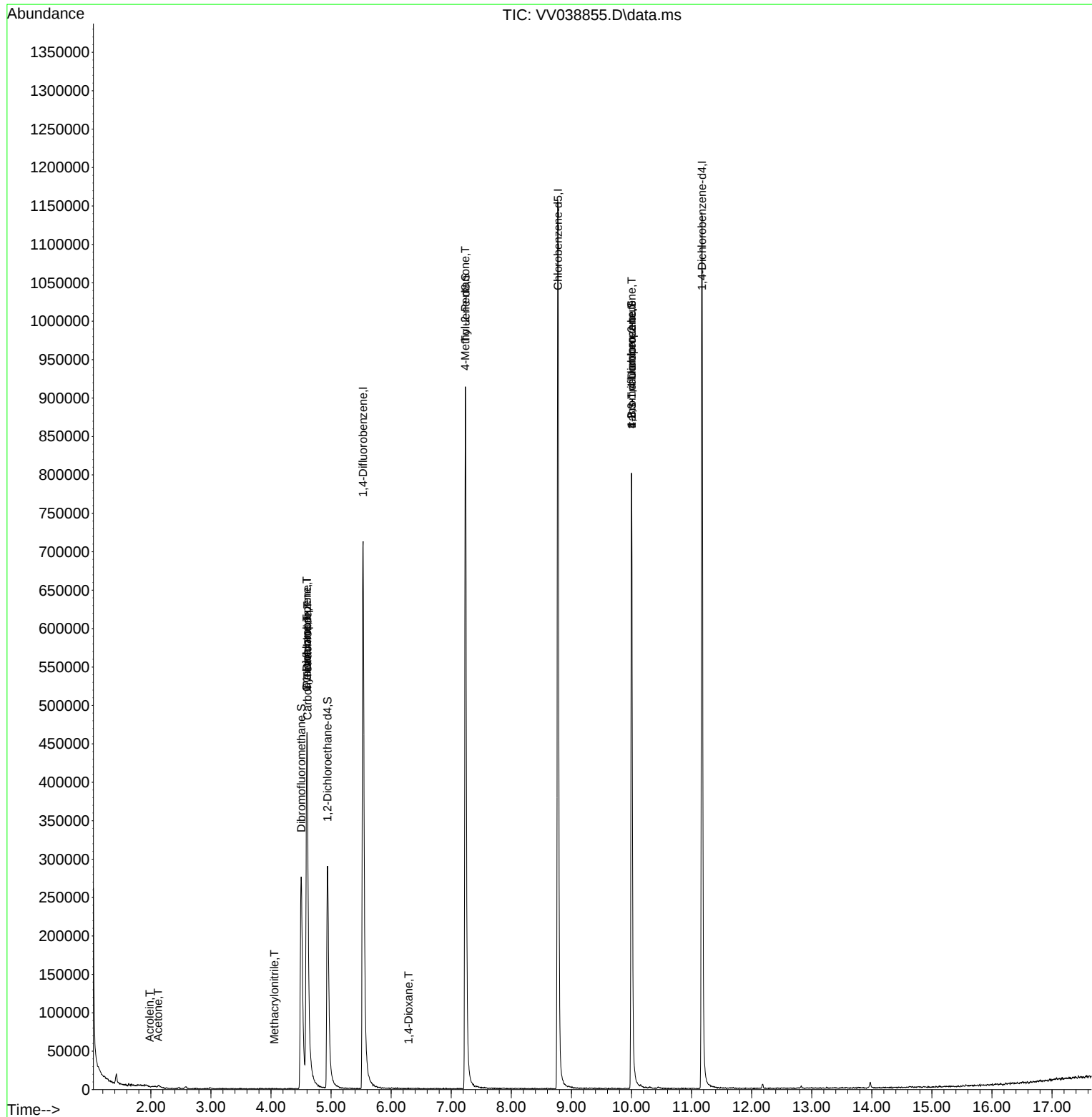
Internal Standards						
1) Pentafluorobenzene	4.600	168	409047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	710980	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	666631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	314527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	269187	58.719	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 117.440%	
35) Dibromofluoromethane	4.503	113	232417	51.608	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 103.220%	
50) Toluene-d8	7.236	98	662571	45.473	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 90.940%	
62) 4-Bromofluorobenzene	10.002	95	270533	45.956	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 91.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.233	50	824	Below Cal	#	56
13) Acrolein	1.979	56	45	0.301	ug/l #	1
16) Acetone	2.121	43	729	0.477	ug/l #	41
31) Cyclohexane	4.597	56	7754	1.251	ug/l #	3
36) 1,1-Dichloropropene	4.597	75	32204	5.893	ug/l #	47
38) Carbon Tetrachloride	4.606	117	41807	5.812	ug/l #	16
41) Methacrylonitrile	4.056	41	118	4.273	ug/l #	15
49) 1,4-Dioxane	6.288	88	43	0.733	ug/l #	48
51) 4-Methyl-2-Pentanone	7.233	43	2487	0.443	ug/l #	1
76) 1,2,3-Trichloropropane	10.002	75	138761	28.514	ug/l #	55
81) trans-1,4-Dichloro-2-b...	10.002	75	138761	60.695	ug/l #	12

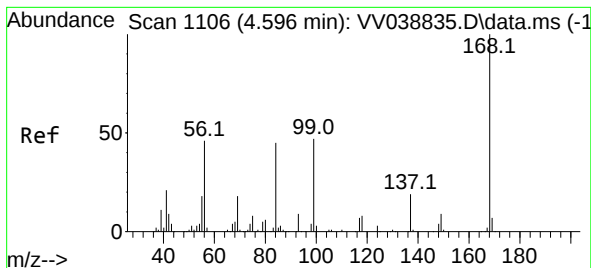
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 04 03:53:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 02:44:44 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 11

Delta R.T. 0.004 min

Lab File: VV038855.D

Acq: 03 Jul 2025 12:41

Instrument :

MSVOA_V

ClientSampleId :

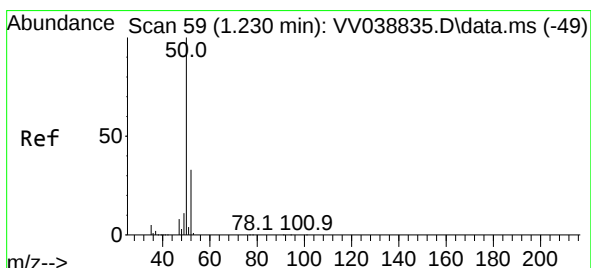
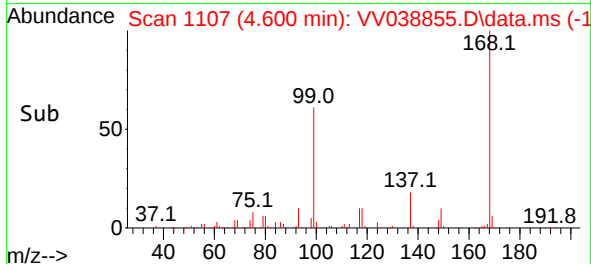
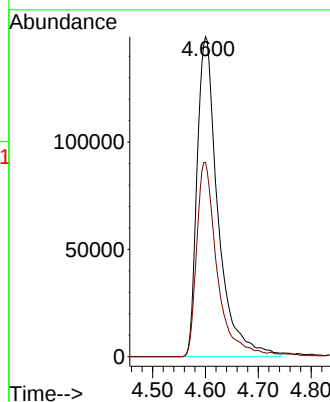
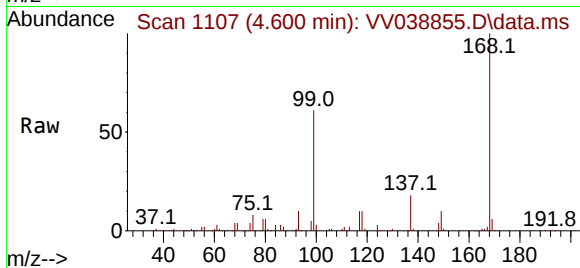
VV0703WBL04

Tgt Ion:168 Resp: 409047

Ion Ratio Lower Upper

168 100

99 60.7 48.6 73.0



#3

Chloromethane

Concen: Below Cal

RT: 1.233 min Scan# 60

Delta R.T. 0.003 min

Lab File: VV038855.D

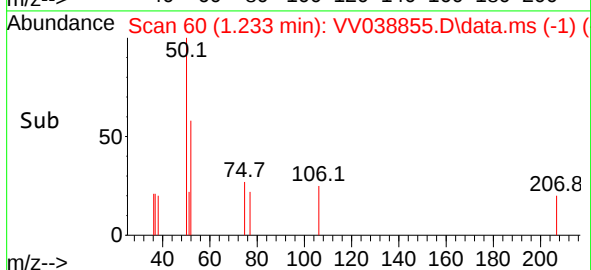
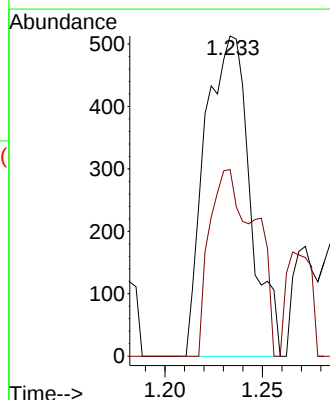
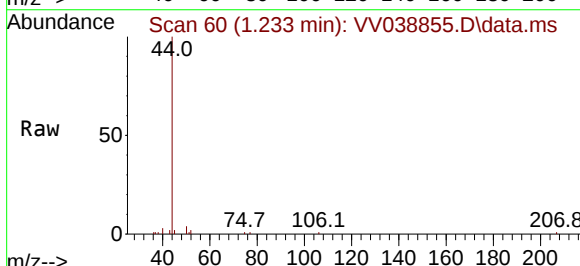
Acq: 03 Jul 2025 12:41

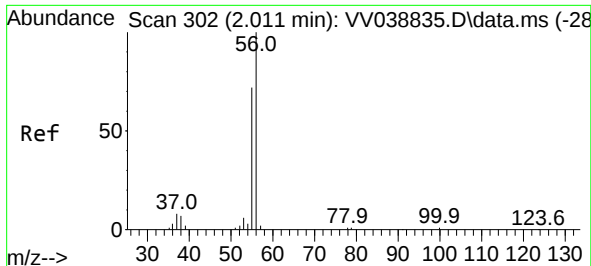
Tgt Ion: 50 Resp: 824

Ion Ratio Lower Upper

50 100

52 58.3 26.7 40.1#

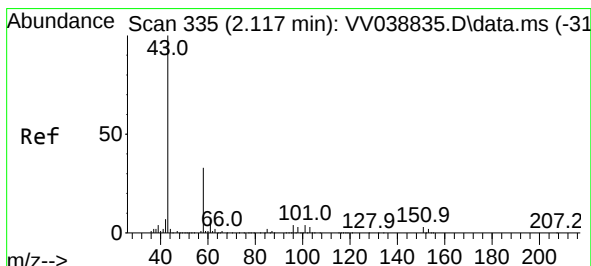
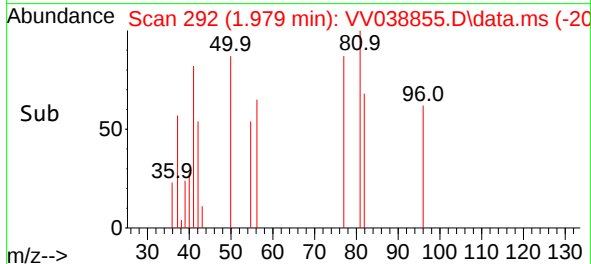
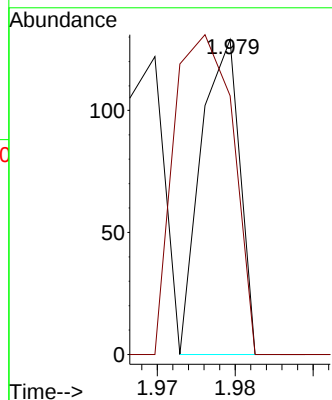
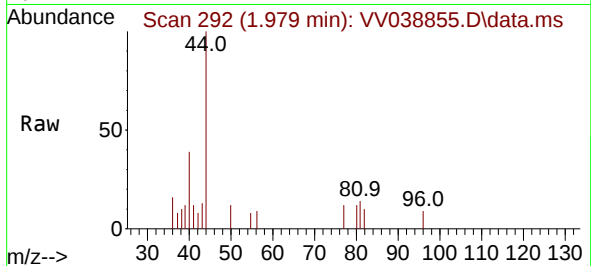




#13
Acrolein
Concen: 0.301 ug/l
RT: 1.979 min Scan# 292
Delta R.T. -0.032 min
Lab File: VV038855.D
Acq: 03 Jul 2025 12:41

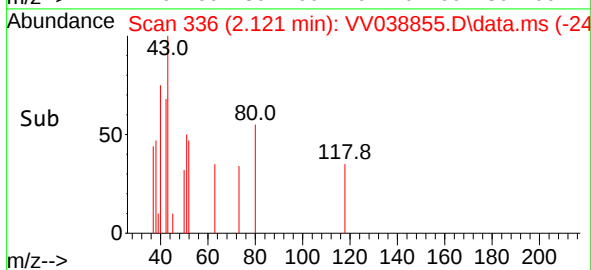
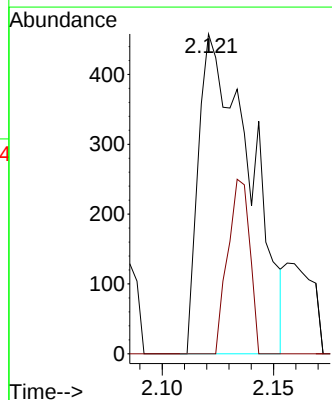
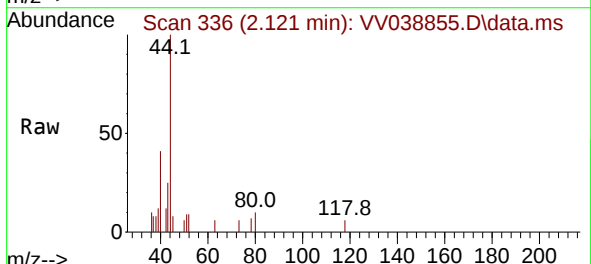
Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL04

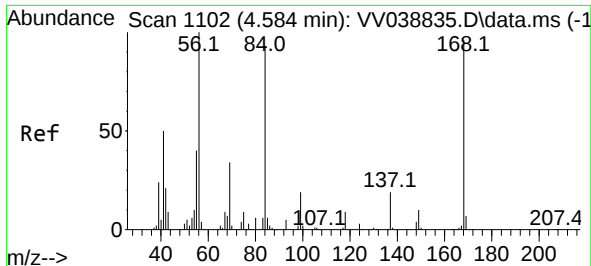
Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 153.3 53.4 80.2#



#16
Acetone
Concen: 0.477 ug/l
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV038855.D
Acq: 03 Jul 2025 12:41

Tgt Ion: 43 Resp: 729
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

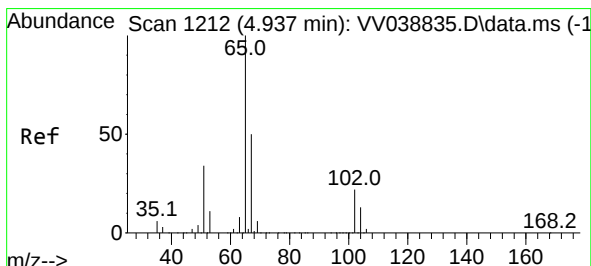
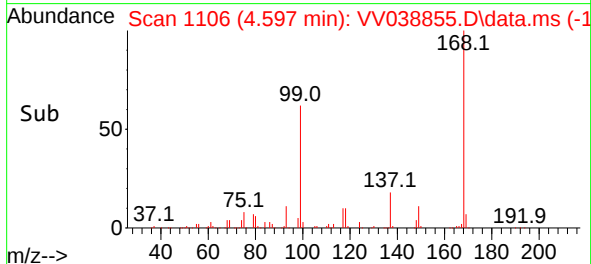
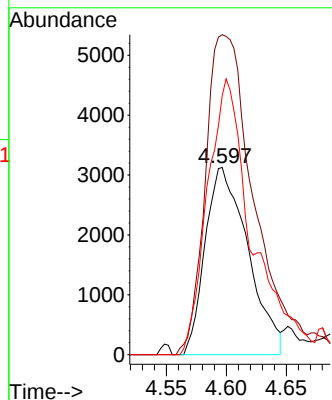
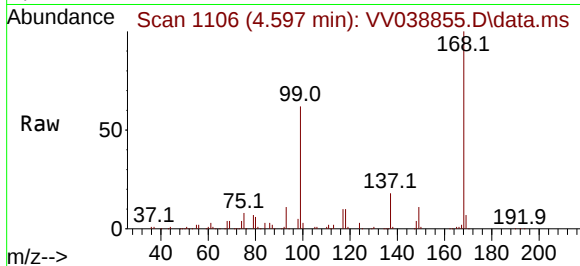




#31
Cyclohexane
Concen: 1.251 ug/l
RT: 4.597 min Scan# 1106
Delta R.T. 0.013 min
Lab File: VV038855.D
Acq: 03 Jul 2025 12:41

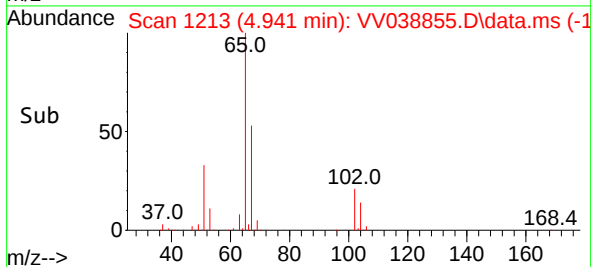
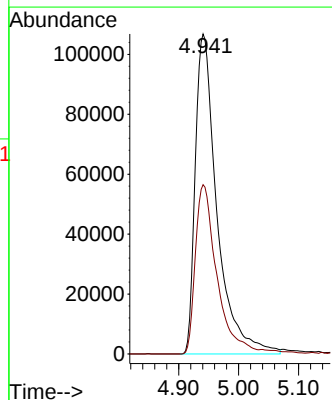
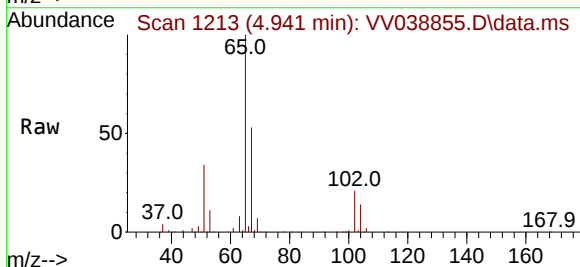
Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL04

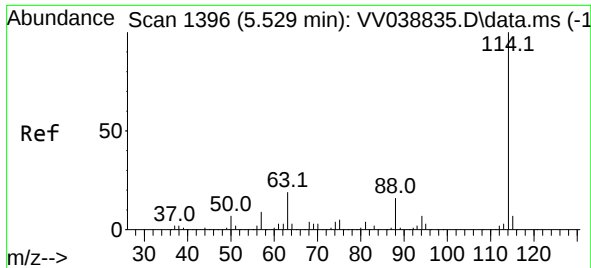
Tgt Ion: 56 Resp: 7754
Ion Ratio Lower Upper
56 100
69 167.5 27.0 40.4#
84 138.5 74.4 111.6#



#33
1,2-Dichloroethane-d4
Concen: 58.719 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.003 min
Lab File: VV038855.D
Acq: 03 Jul 2025 12:41

Tgt Ion: 65 Resp: 269187
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV038855.D

Acq: 03 Jul 2025 12:41

Instrument :

MSVOA_V

ClientSampleId :

VV0703WBL04

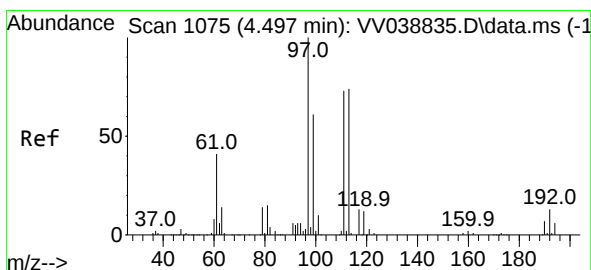
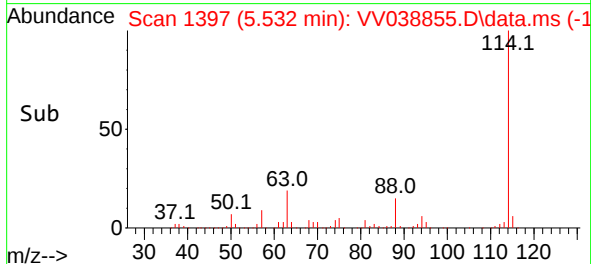
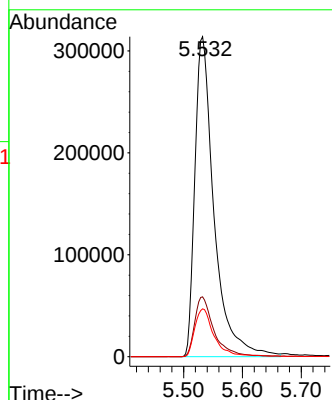
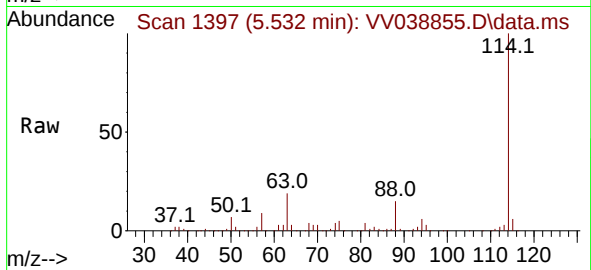
Tgt Ion:114 Resp: 710980

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 15.0 0.0 31.2



#35

Dibromofluoromethane

Concen: 51.608 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.007 min

Lab File: VV038855.D

Acq: 03 Jul 2025 12:41

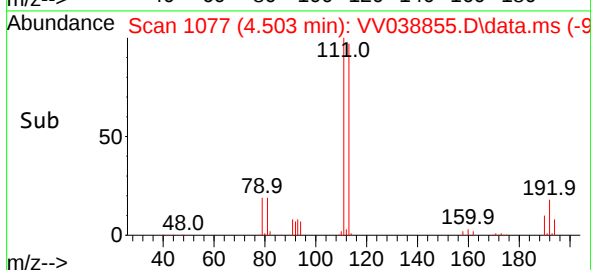
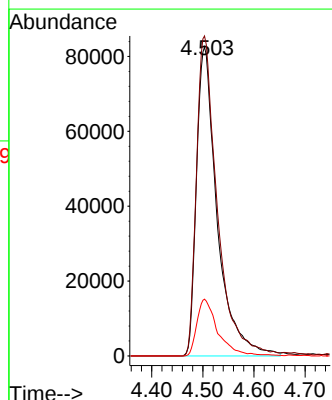
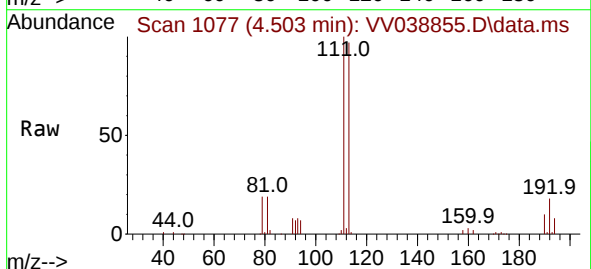
Tgt Ion:113 Resp: 232417

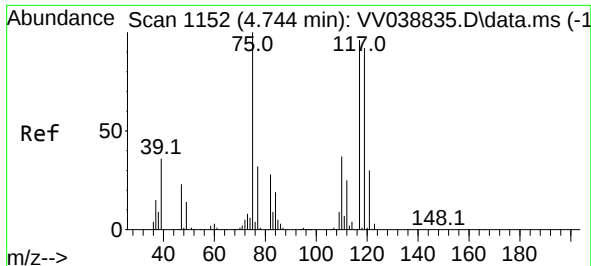
Ion Ratio Lower Upper

113 100

111 104.0 81.5 122.3

192 18.2 14.7 22.1





#36

1,1-Dichloropropene

Concen: 5.893 ug/l

RT: 4.597 min Scan# 1106

Delta R.T. -0.148 min

Lab File: VV038855.D

Acq: 03 Jul 2025 12:41

Instrument :

MSVOA_V

ClientSampleId :

VV0703WBL04

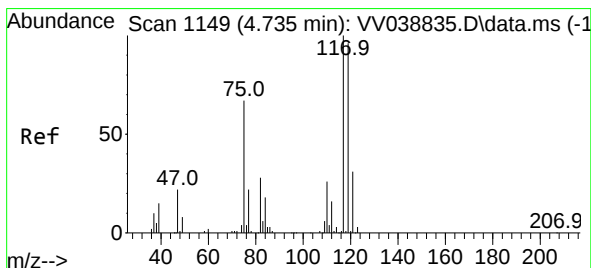
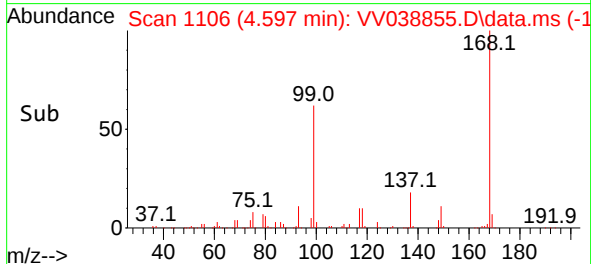
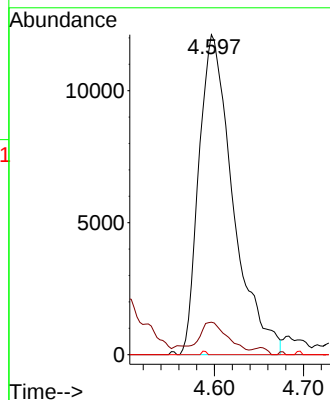
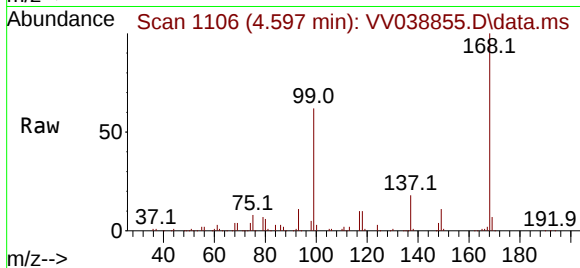
Tgt Ion: 75 Resp: 32204

Ion Ratio Lower Upper

75 100

110 8.6 19.3 57.9#

77 0.2 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.812 ug/l

RT: 4.606 min Scan# 1109

Delta R.T. -0.128 min

Lab File: VV038855.D

Acq: 03 Jul 2025 12:41

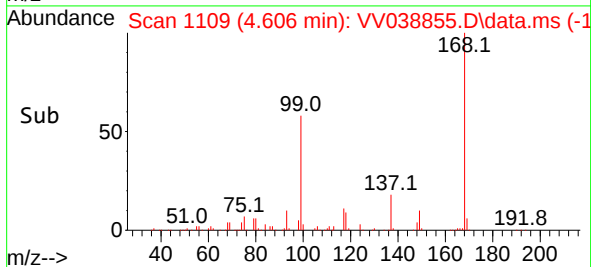
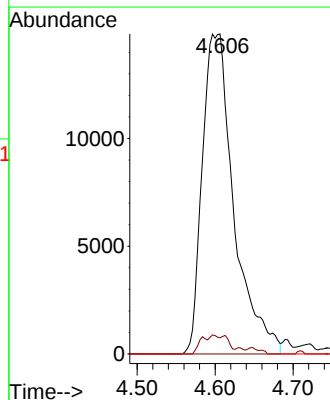
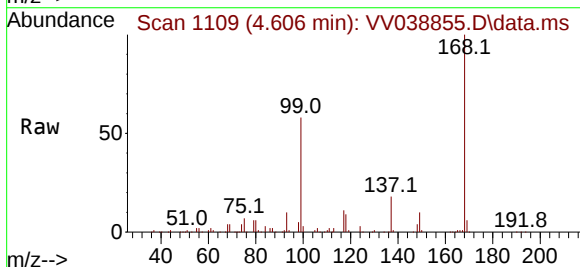
Tgt Ion: 117 Resp: 41807

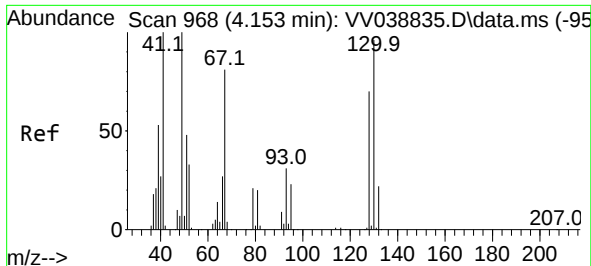
Ion Ratio Lower Upper

117 100

119 5.1 76.5 114.7#

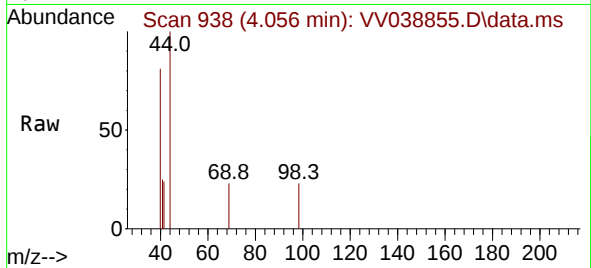
121 0.0 25.0 37.6#



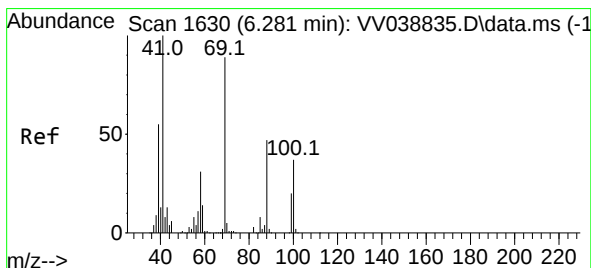
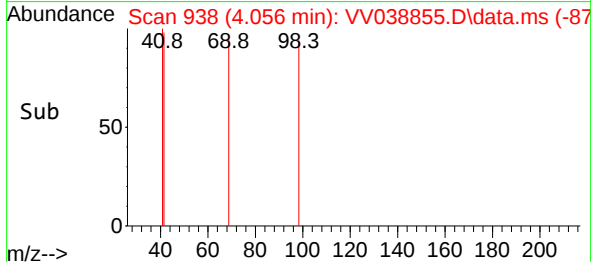
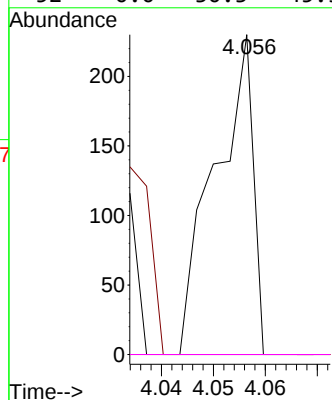


#41
Methacrylonitrile
Concen: 4.273 ug/l
RT: 4.056 min Scan# 91
Delta R.T. -0.096 min
Lab File: VV038855.D
Acq: 03 Jul 2025 12:41

Instrument :
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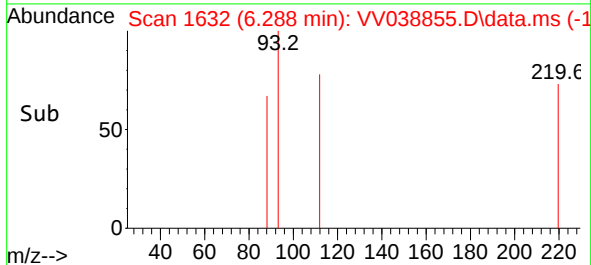
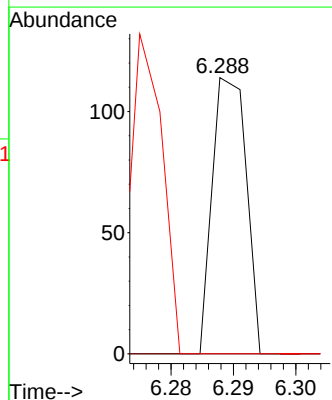
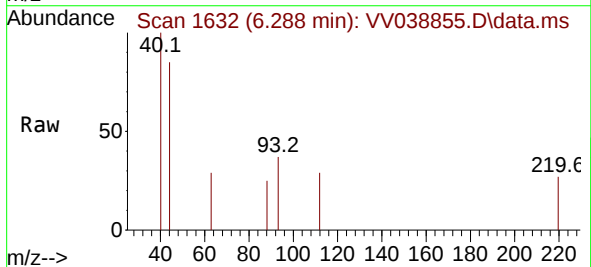


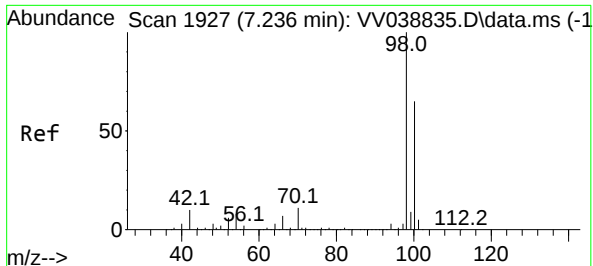
Tgt Ion:	41	Resp:	118
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.8	65.8#
67	0.0	78.8	118.2#
52	0.0	30.3	45.5#



#49
1,4-Dioxane
Concen: 0.733 ug/l
RT: 6.288 min Scan# 1632
Delta R.T. 0.007 min
Lab File: VV038855.D
Acq: 03 Jul 2025 12:41

Tgt Ion:	88	Resp:	43
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.2	37.8#
58	104.7	52.1	78.1#

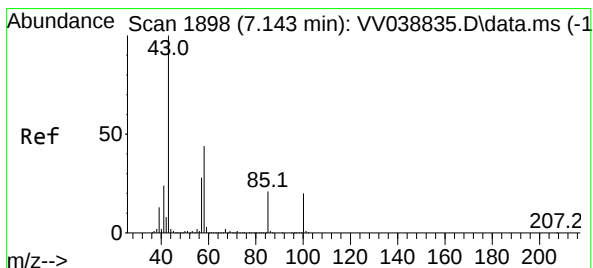
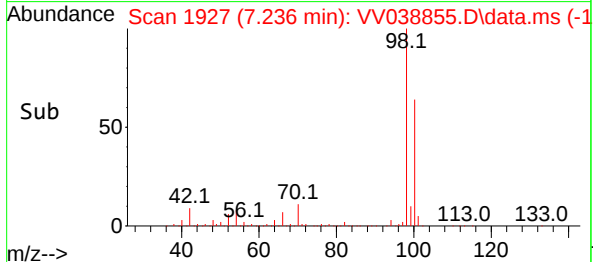
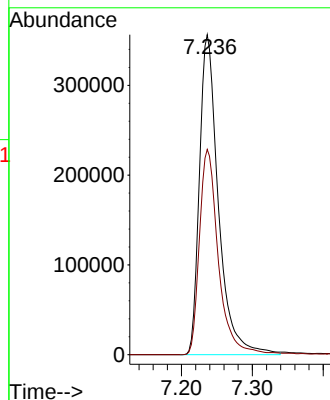
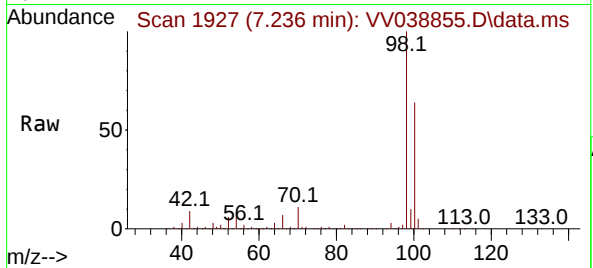




#50
Toluene-d8
Concen: 45.473 ug/l
RT: 7.236 min Scan# 1926
Delta R.T. 0.000 min
Lab File: VV038855.D
Acq: 03 Jul 2025 12:41

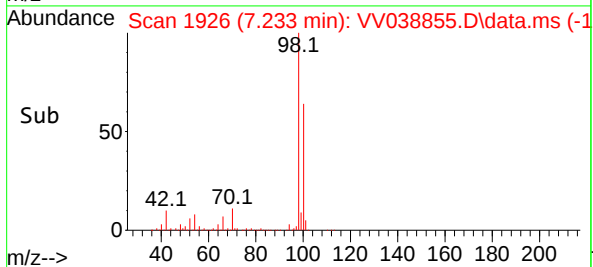
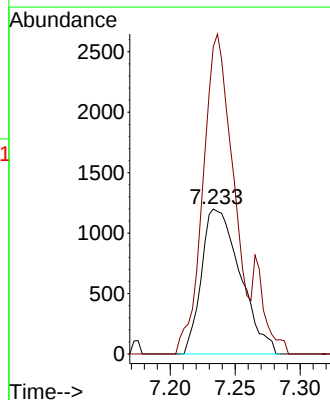
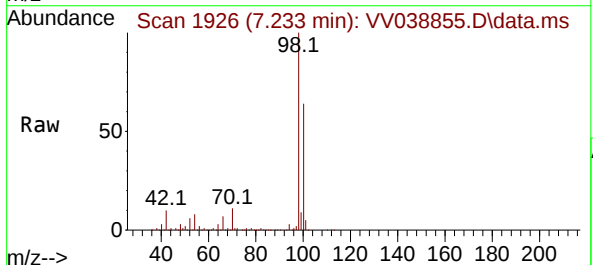
Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL04

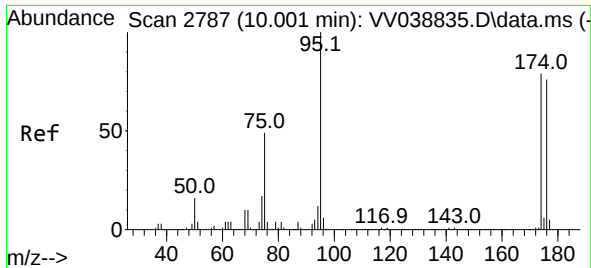
Tgt Ion: 98 Resp: 662571
Ion Ratio Lower Upper
98 100
100 64.5 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.443 ug/l
RT: 7.233 min Scan# 1926
Delta R.T. 0.090 min
Lab File: VV038855.D
Acq: 03 Jul 2025 12:41

Tgt Ion: 43 Resp: 2487
Ion Ratio Lower Upper
43 100
58 172.2 34.4 51.6#

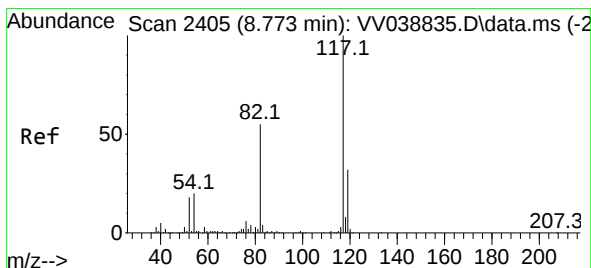
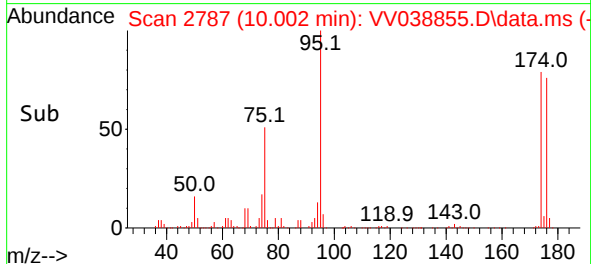
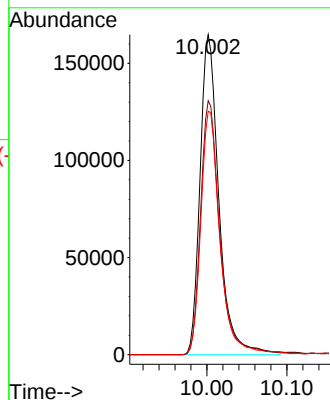
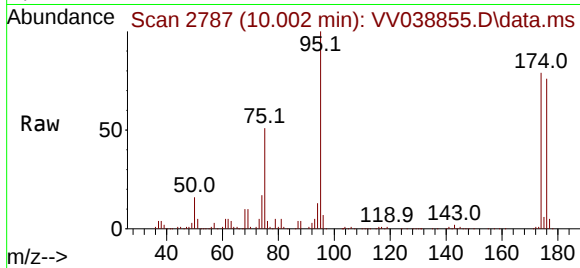




#62
4-Bromofluorobenzene
Concen: 45.956 ug/l
RT: 10.002 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV038855.D
Acq: 03 Jul 2025 12:41

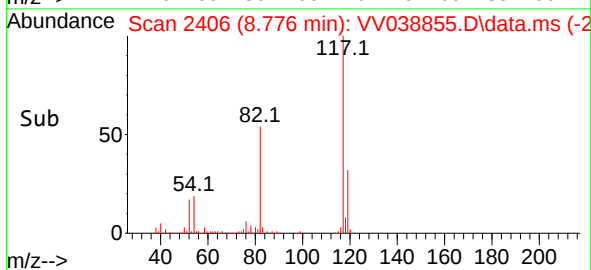
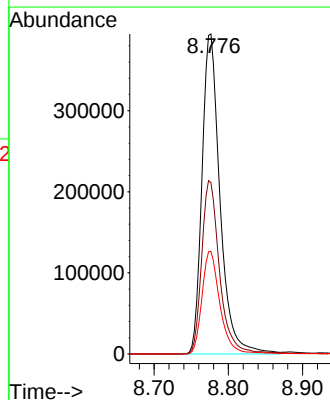
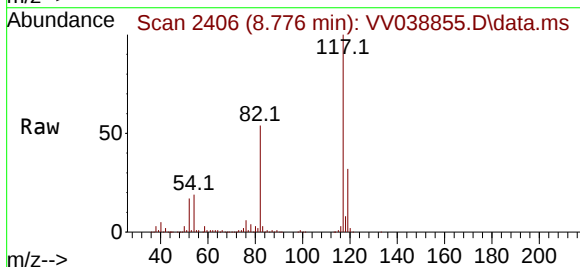
Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL04

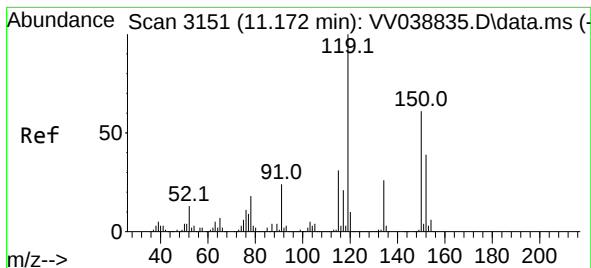
Tgt Ion: 95 Resp: 270533
Ion Ratio Lower Upper
95 100
174 80.6 0.0 158.2
176 77.5 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VV038855.D
Acq: 03 Jul 2025 12:41

Tgt Ion: 117 Resp: 666631
Ion Ratio Lower Upper
117 100
82 53.5 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: VV038855.D

Acq: 03 Jul 2025 12:41

Instrument :

MSVOA_V

ClientSampleId :

VV0703WBL04

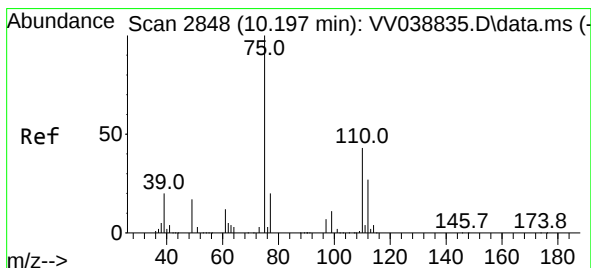
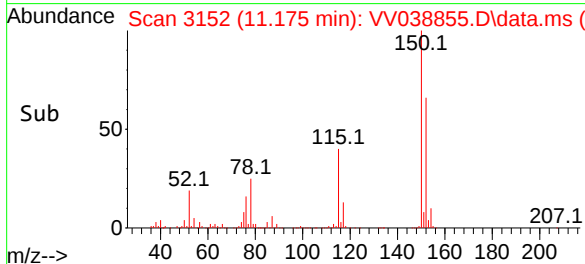
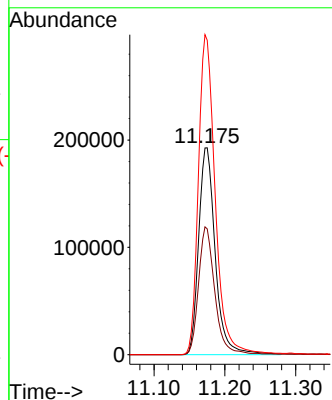
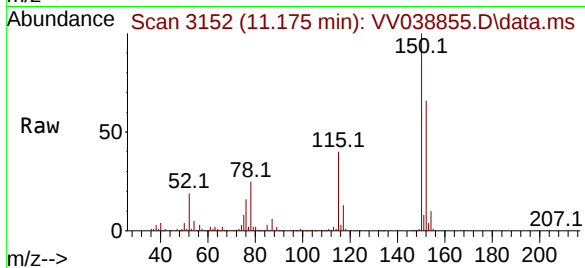
Tgt Ion:152 Resp: 314527

Ion Ratio Lower Upper

152 100

115 60.3 42.0 126.0

150 156.6 0.0 343.6



#76

1,2,3-Trichloropropane

Concen: 28.514 ug/l

RT: 10.002 min Scan# 2787

Delta R.T. -0.196 min

Lab File: VV038855.D

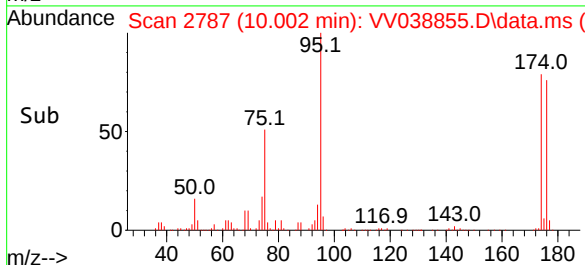
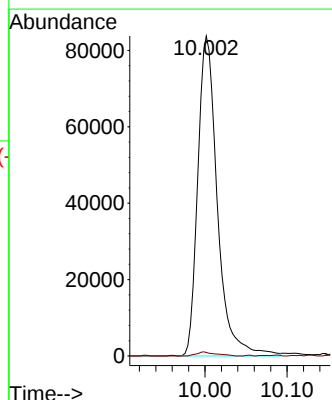
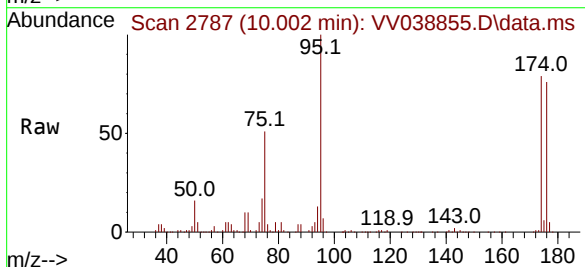
Acq: 03 Jul 2025 12:41

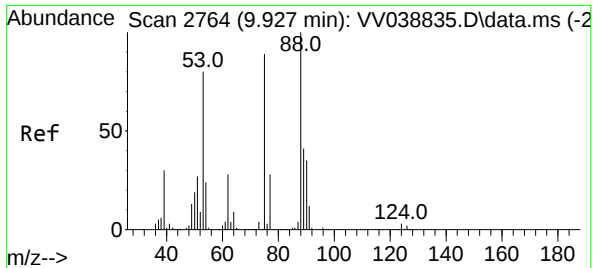
Tgt Ion: 75 Resp: 138761

Ion Ratio Lower Upper

75 100

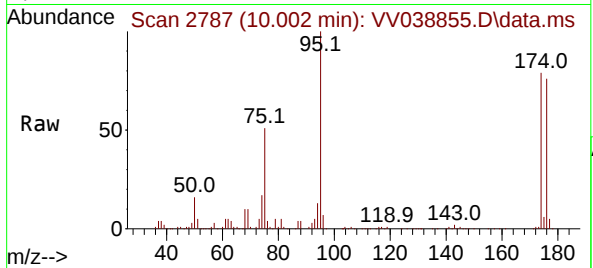
77 1.2 11.7 35.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.695 ug/l
 RT: 10.002 min Scan# 21
 Delta R.T. 0.074 min
 Lab File: VV038855.D
 Acq: 03 Jul 2025 12:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0703WBL04



Tgt Ion: 75 Resp: 138761
 Ion Ratio Lower Upper
 75 100
 53 0.3 71.2 106.8#
 89 0.0 44.6 66.8#

