

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070325\
 Data File : VV038852.D
 Acq On : 03 Jul 2025 10:18
 Operator : SY/MD
 Sample : VV0703WBL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0703WBL01

Quant Time: Jul 04 03:53:10 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)

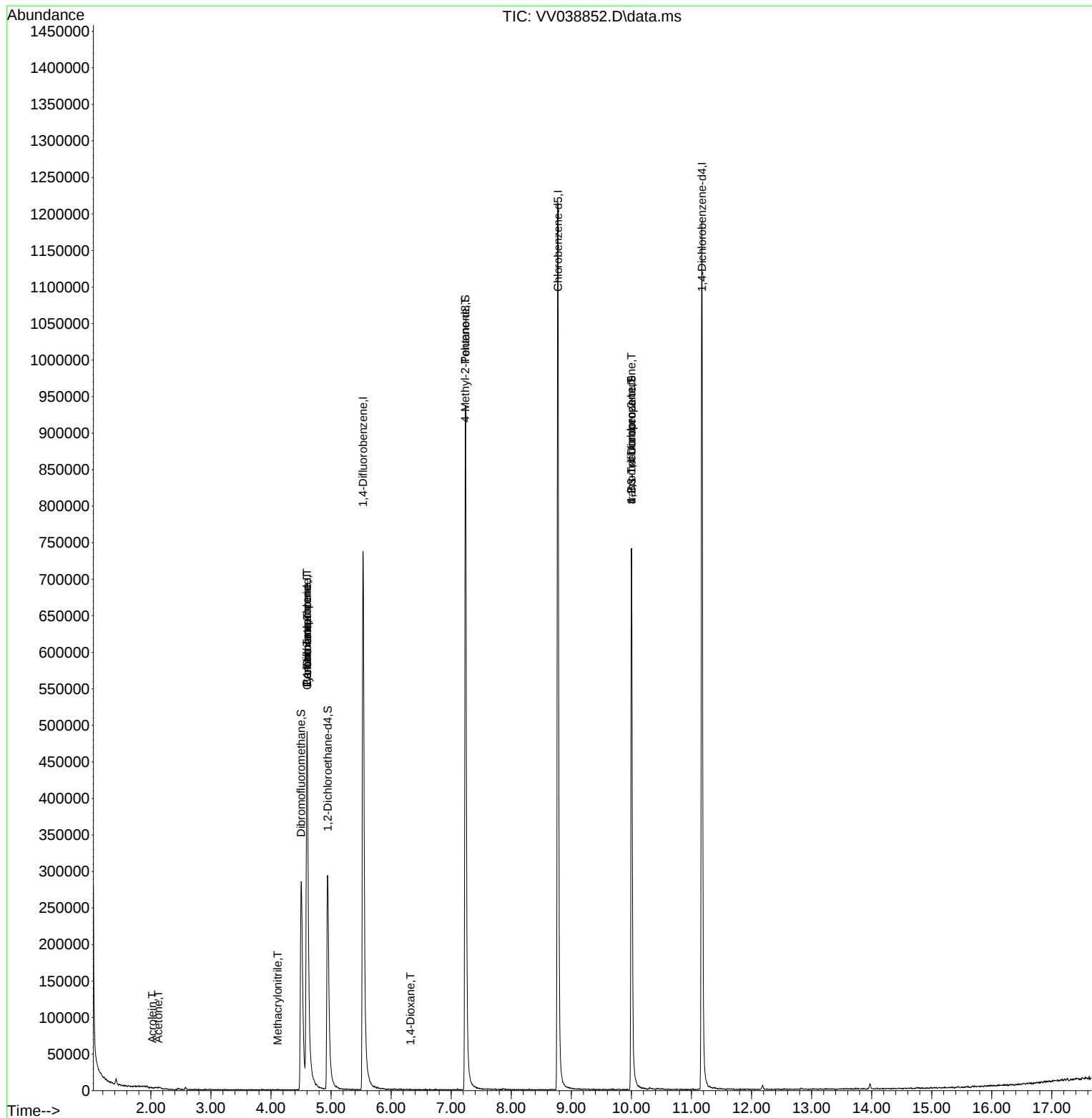
Internal Standards						
1) Pentafluorobenzene	4.600	168	423143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	739557	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	691062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	326049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	272252	57.409	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 114.820%	
35) Dibromofluoromethane	4.503	113	241283	51.507	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 103.020%	
50) Toluene-d8	7.236	98	688412	45.421	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 90.840%	
62) 4-Bromofluorobenzene	10.001	95	252209	41.188	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 82.380%#	
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	891	Below Cal	#	78
13) Acrolein	2.024	56	50	0.323	ug/l #	1
16) Acetone	2.124	43	774	0.490	ug/l #	41
31) Cyclohexane	4.603	56	7856	1.225	ug/l #	1
36) 1,1-Dichloropropene	4.600	75	32254	5.674	ug/l #	50
38) Carbon Tetrachloride	4.600	117	43655	5.835	ug/l #	18
41) Methacrylonitrile	4.111	41	76	4.258	ug/l #	24
49) 1,4-Dioxane	6.323	88	44	0.721	ug/l #	26
51) 4-Methyl-2-Pentanone	7.233	43	2727	0.467	ug/l #	1
76) 1,2,3-Trichloropropane	10.001	75	127105	25.196	ug/l #	55
81) trans-1,4-Dichloro-2-b...	10.001	75	127105	53.632	ug/l #	12

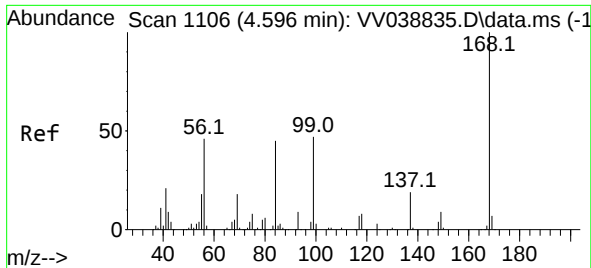
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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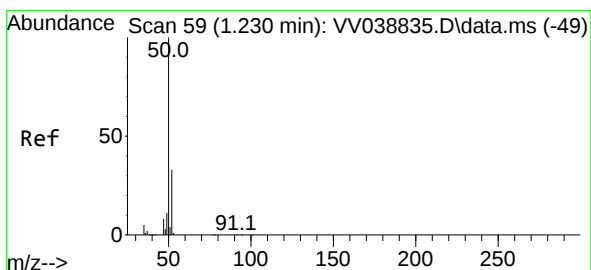
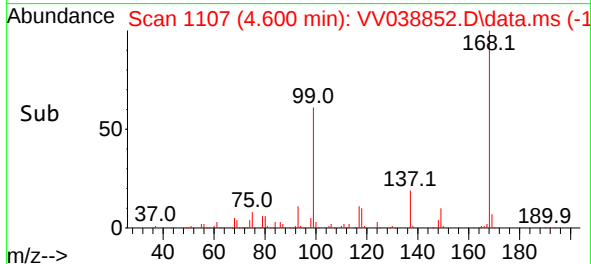
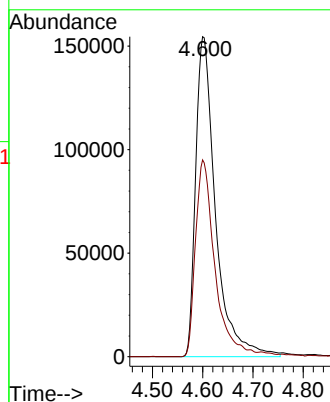
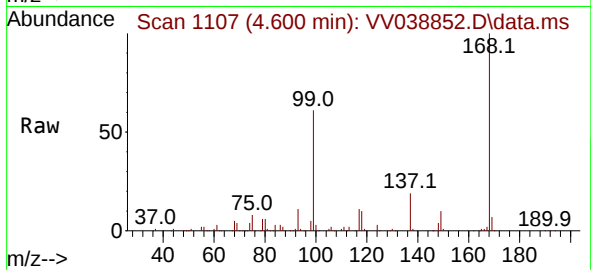




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. 0.004 min
Lab File: VV038852.D
Acq: 03 Jul 2025 10:18

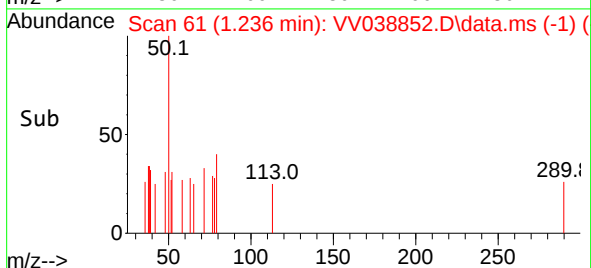
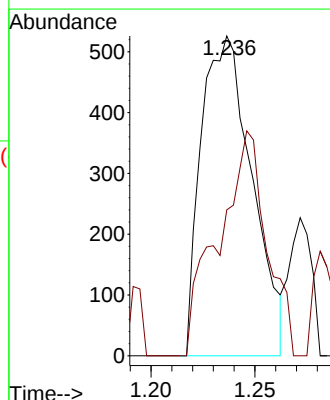
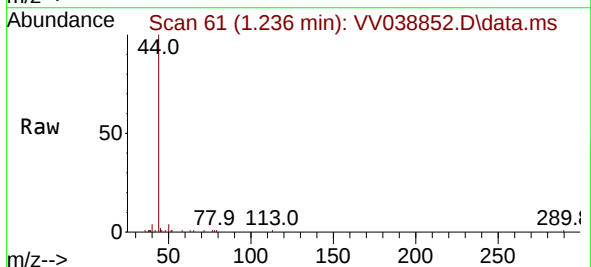
Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL01

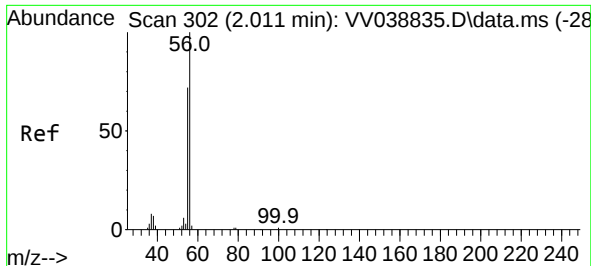
Tgt Ion:168 Resp: 423143
Ion Ratio Lower Upper
168 100
99 61.5 48.6 73.0



#3
Chloromethane
Concen: Below Cal
RT: 1.236 min Scan# 61
Delta R.T. 0.006 min
Lab File: VV038852.D
Acq: 03 Jul 2025 10:18

Tgt Ion: 50 Resp: 891
Ion Ratio Lower Upper
50 100
52 45.6 26.7 40.1#

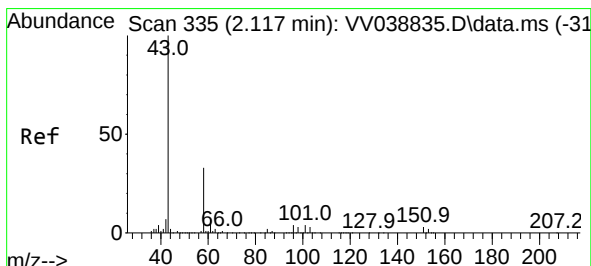
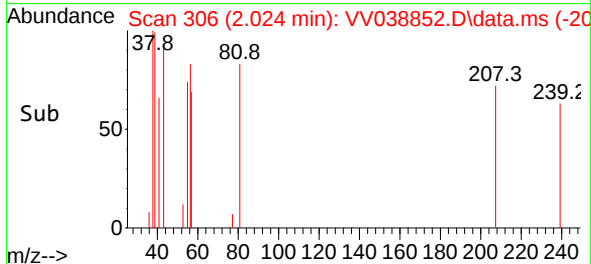
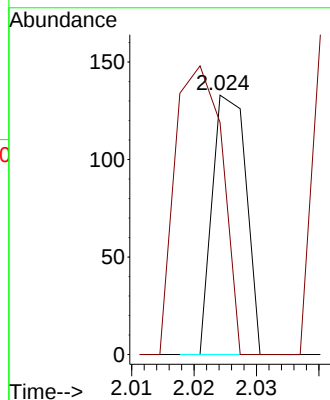
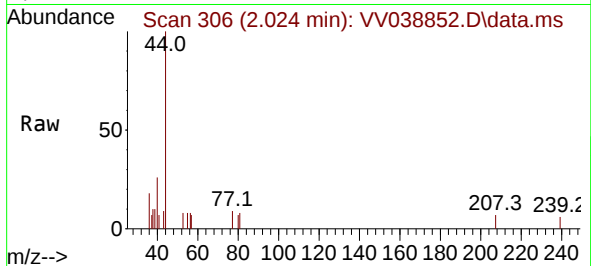




#13
Acrolein
Concen: 0.323 ug/l
RT: 2.024 min Scan# 306
Delta R.T. 0.013 min
Lab File: VV038852.D
Acq: 03 Jul 2025 10:18

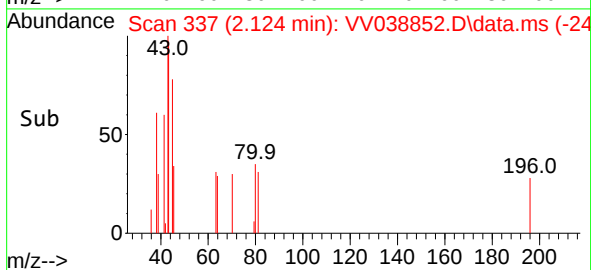
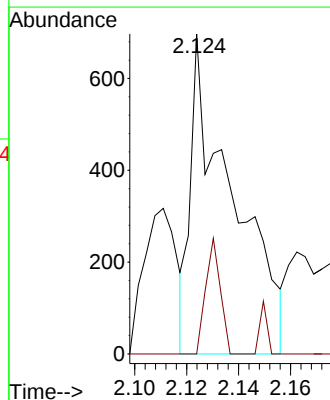
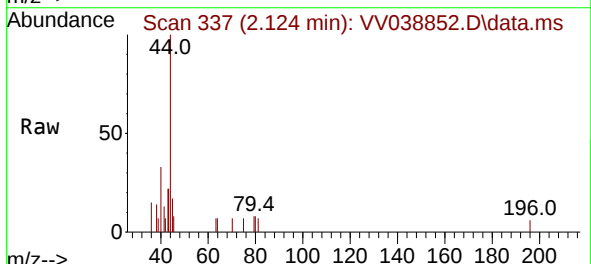
Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL01

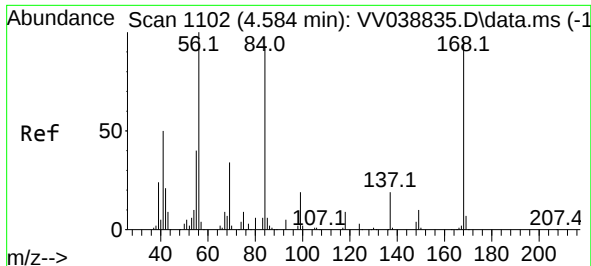
Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 154.0 53.4 80.2#



#16
Acetone
Concen: 0.490 ug/l
RT: 2.124 min Scan# 337
Delta R.T. 0.006 min
Lab File: VV038852.D
Acq: 03 Jul 2025 10:18

Tgt Ion: 43 Resp: 774
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

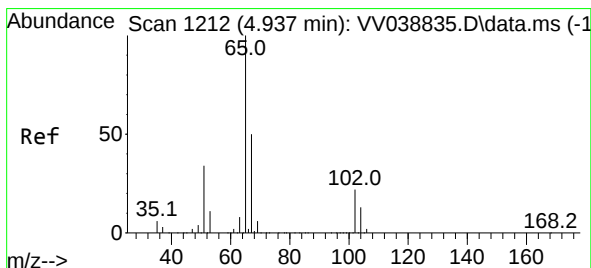
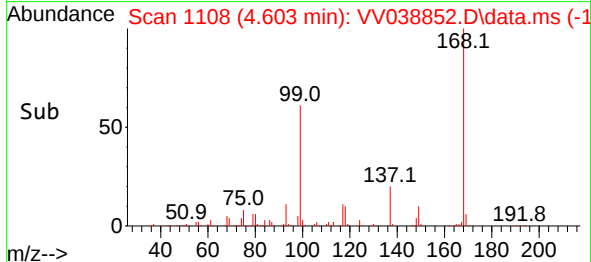
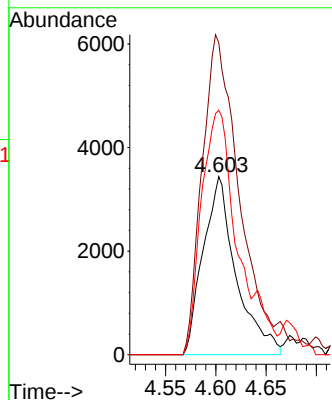
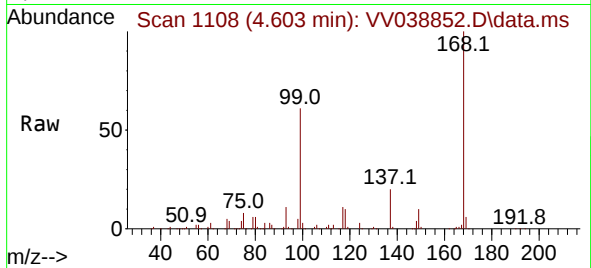




#31
Cyclohexane
Concen: 1.225 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. 0.019 min
Lab File: VV038852.D
Acq: 03 Jul 2025 10:18

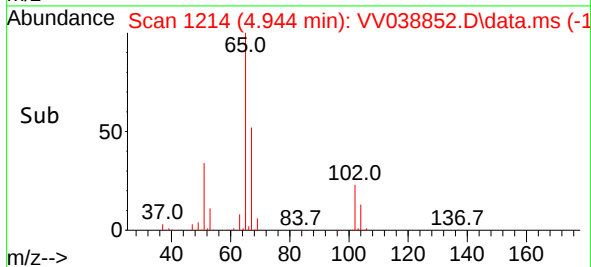
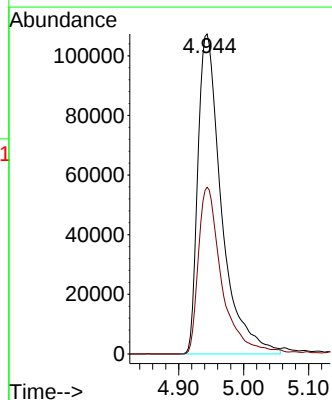
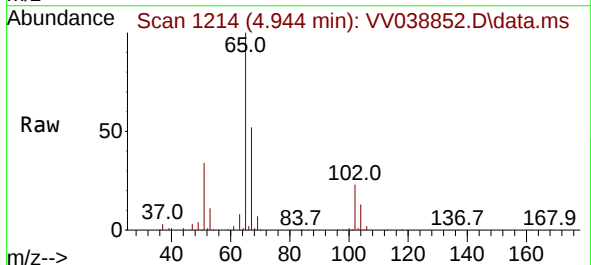
Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL01

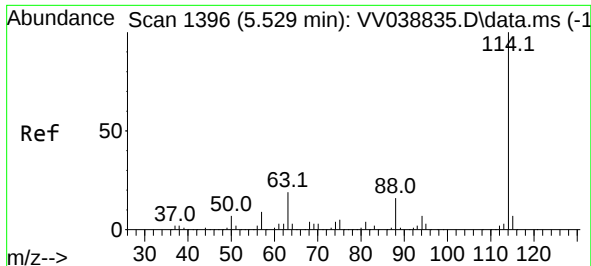
Tgt Ion: 56 Resp: 7856
Ion Ratio Lower Upper
56 100
69 175.1 27.0 40.4#
84 137.3 74.4 111.6#



#33
1,2-Dichloroethane-d4
Concen: 57.409 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VV038852.D
Acq: 03 Jul 2025 10:18

Tgt Ion: 65 Resp: 272252
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.0

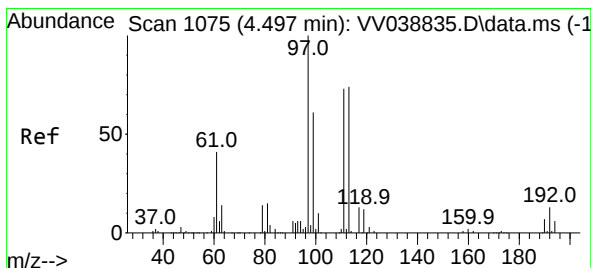
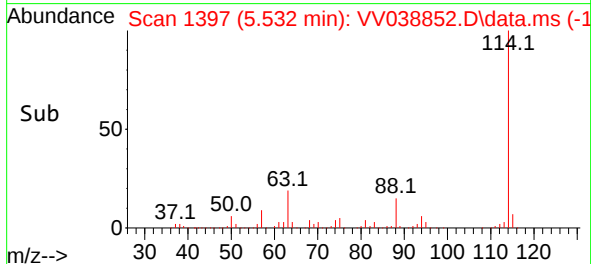
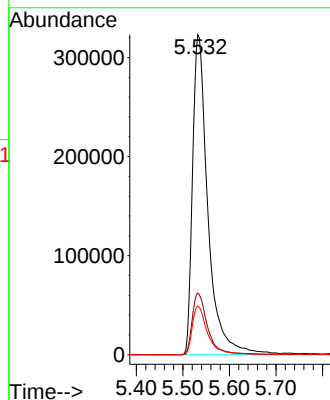
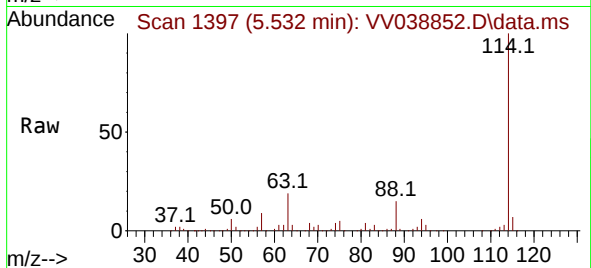




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV038852.D
Acq: 03 Jul 2025 10:18

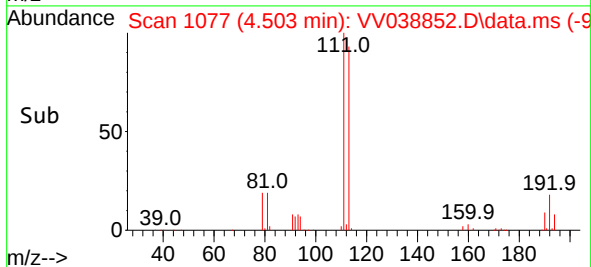
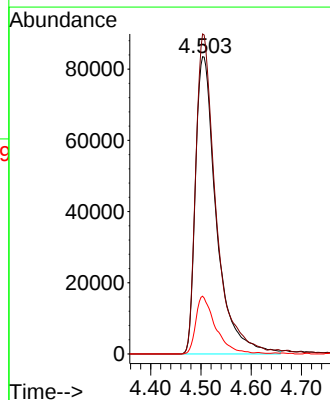
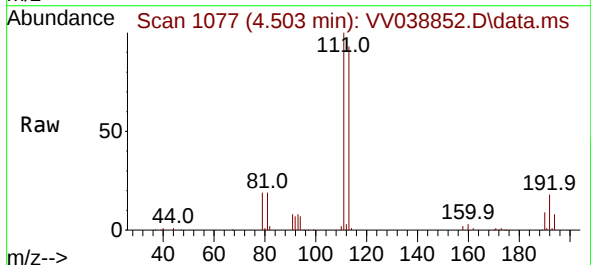
Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL01

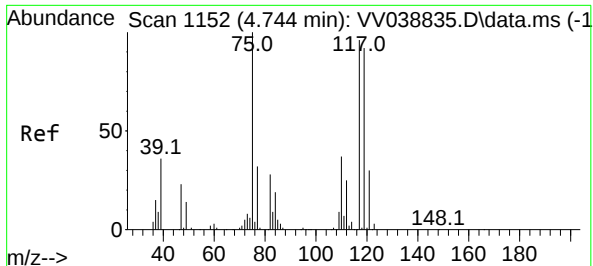
Tgt Ion:114 Resp: 739557
Ion Ratio Lower Upper
114 100
63 19.2 0.0 38.4
88 15.2 0.0 31.2



#35
Dibromofluoromethane
Concen: 51.507 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. 0.006 min
Lab File: VV038852.D
Acq: 03 Jul 2025 10:18

Tgt Ion:113 Resp: 241283
Ion Ratio Lower Upper
113 100
111 103.7 81.5 122.3
192 18.3 14.7 22.1





#36

1,1-Dichloropropene

Concen: 5.674 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.145 min

Lab File: VV038852.D

Acq: 03 Jul 2025 10:18

Instrument :

MSVOA_V

ClientSampleId :

VV0703WBL01

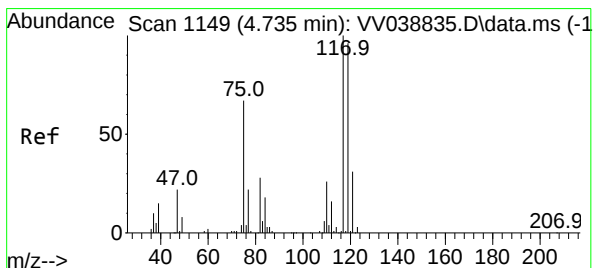
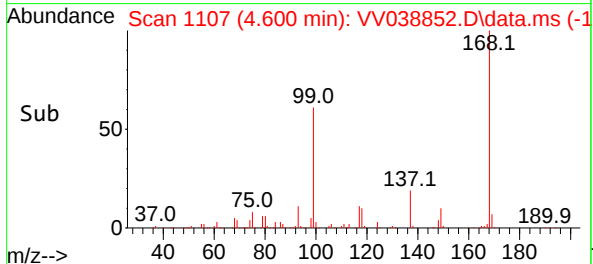
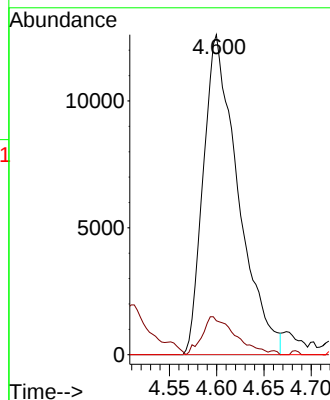
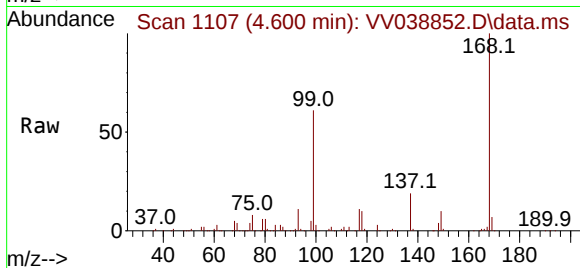
Tgt Ion: 75 Resp: 32254

Ion Ratio Lower Upper

75 100

110 11.3 19.3 57.9#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.835 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.135 min

Lab File: VV038852.D

Acq: 03 Jul 2025 10:18

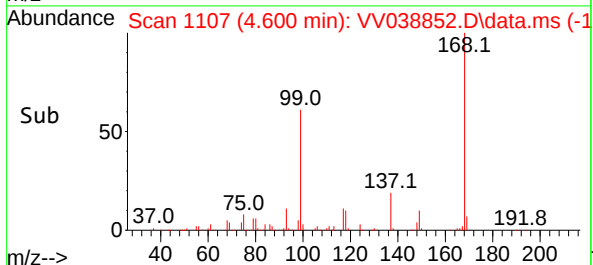
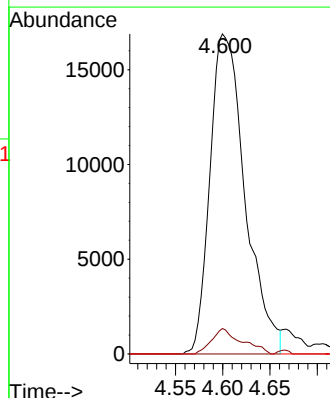
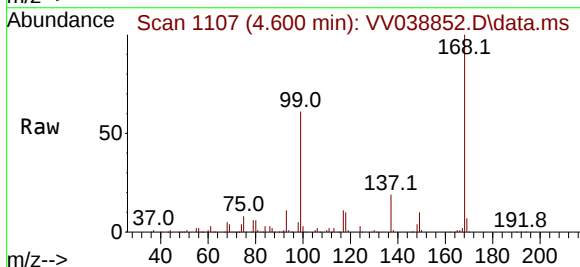
Tgt Ion: 117 Resp: 43655

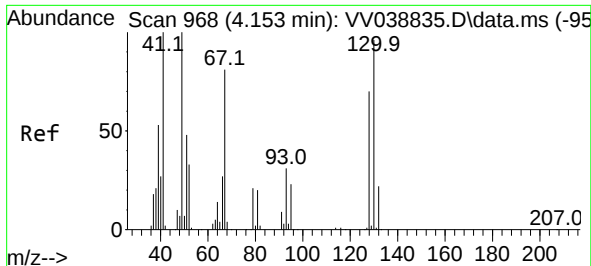
Ion Ratio Lower Upper

117 100

119 7.9 76.5 114.7#

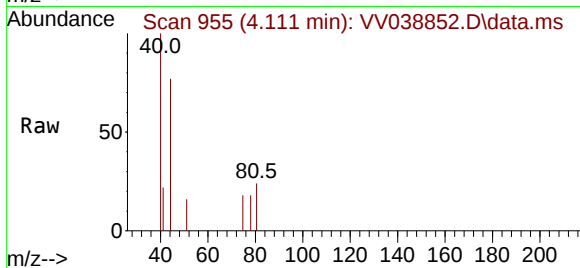
121 0.0 25.0 37.6#



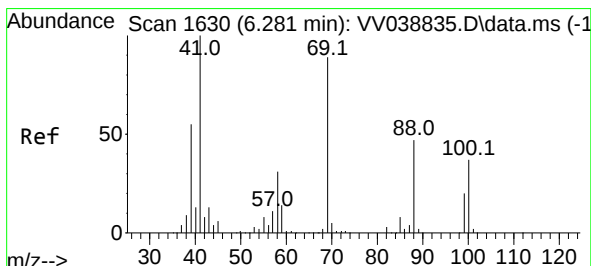
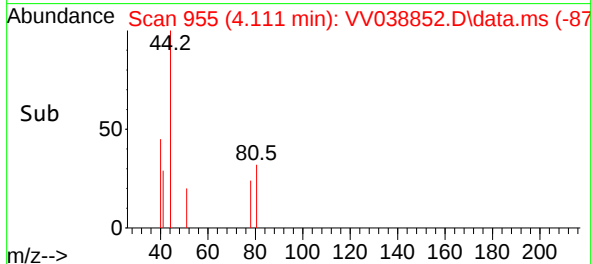
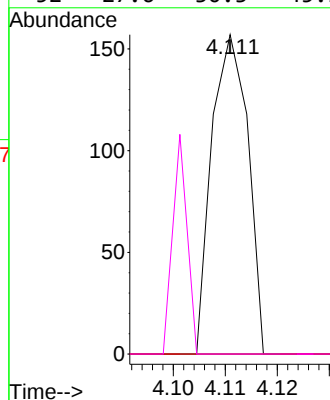


#41
Methacrylonitrile
Concen: 4.258 ug/l
RT: 4.111 min Scan# 91
Delta R.T. -0.042 min
Lab File: VV038852.D
Acq: 03 Jul 2025 10:18

Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL01

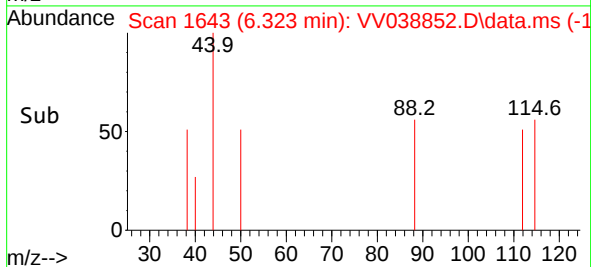
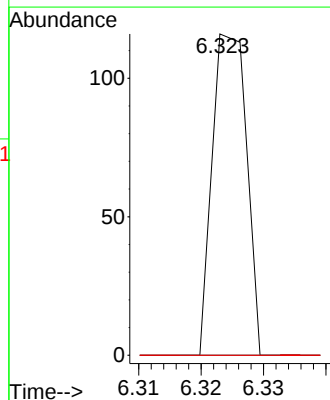
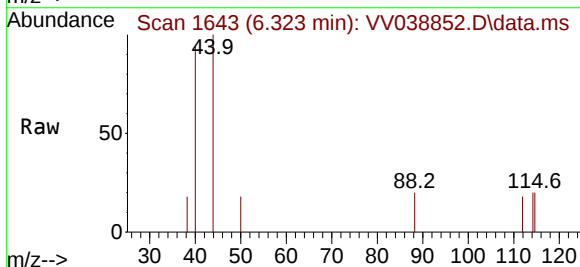


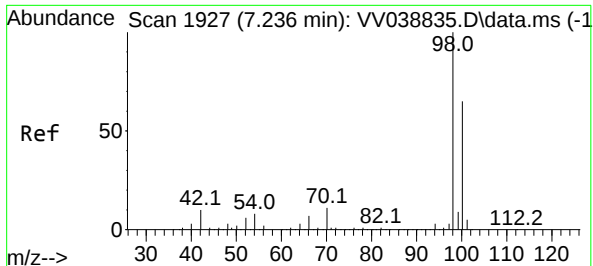
Tgt Ion:	41	Resp:	76
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.8	65.8#
67	0.0	78.8	118.2#
52	27.6	30.3	45.5#



#49
1,4-Dioxane
Concen: 0.721 ug/l
RT: 6.323 min Scan# 1643
Delta R.T. 0.042 min
Lab File: VV038852.D
Acq: 03 Jul 2025 10:18

Tgt Ion:	88	Resp:	44
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.2	37.8#
58	0.0	52.1	78.1#

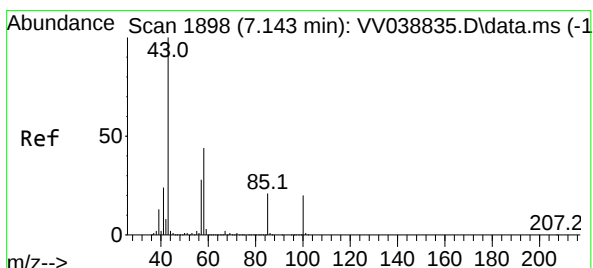
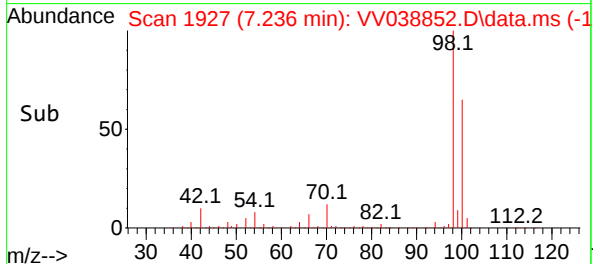
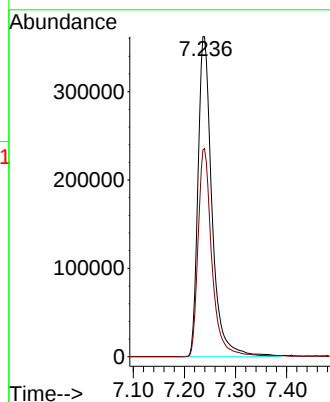
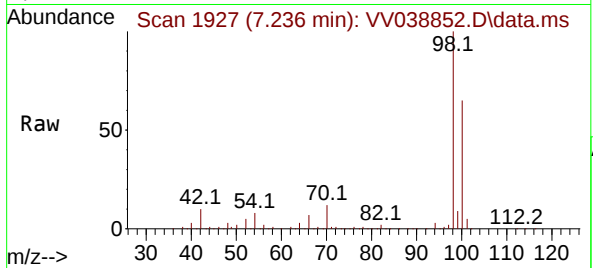




#50
Toluene-d8
Concen: 45.421 ug/l
RT: 7.236 min Scan# 1926
Delta R.T. 0.000 min
Lab File: VV038852.D
Acq: 03 Jul 2025 10:18

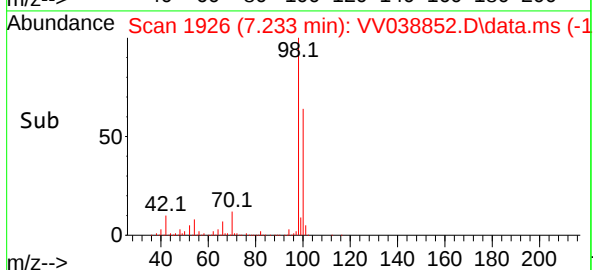
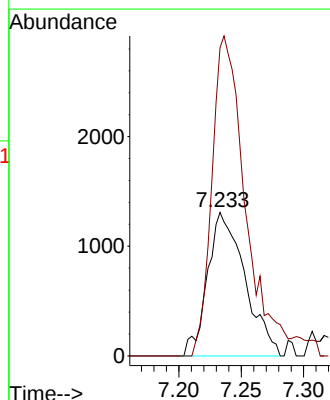
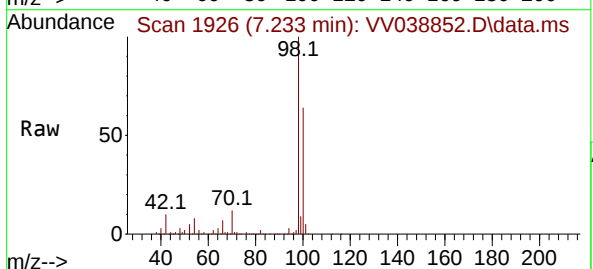
Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL01

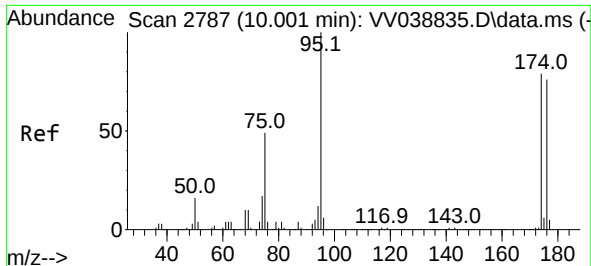
Tgt Ion: 98 Resp: 688412
Ion Ratio Lower Upper
98 100
100 64.0 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.467 ug/l
RT: 7.233 min Scan# 1926
Delta R.T. 0.090 min
Lab File: VV038852.D
Acq: 03 Jul 2025 10:18

Tgt Ion: 43 Resp: 2727
Ion Ratio Lower Upper
43 100
58 200.0 34.4 51.6#





#62

4-Bromofluorobenzene

Concen: 41.188 ug/l

RT: 10.001 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV038852.D

Acq: 03 Jul 2025 10:18

Instrument :

MSVOA_V

ClientSampleId :

VV0703WBL01

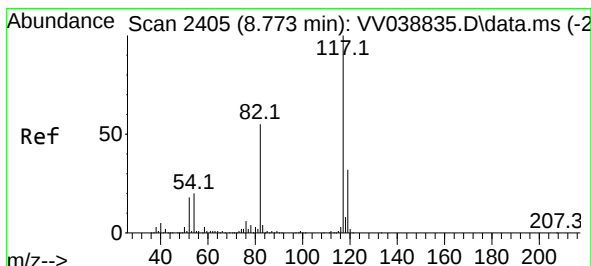
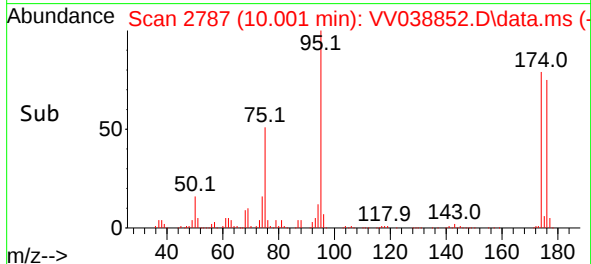
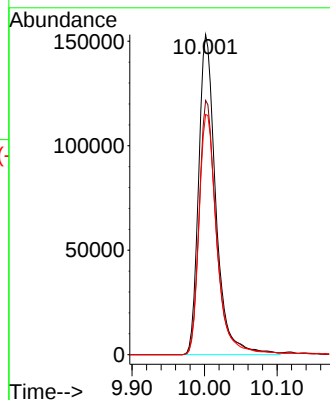
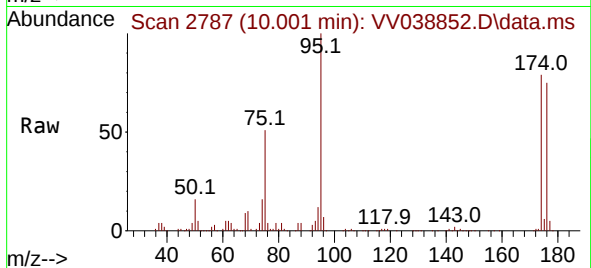
Tgt Ion: 95 Resp: 252209

Ion Ratio Lower Upper

95 100

174 80.8 0.0 158.2

176 77.7 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: VV038852.D

Acq: 03 Jul 2025 10:18

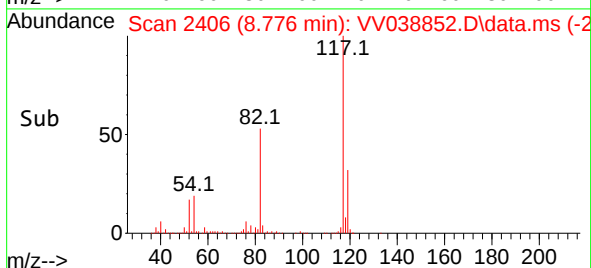
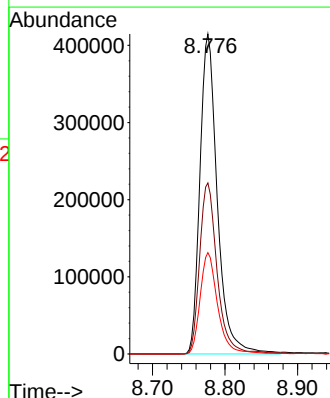
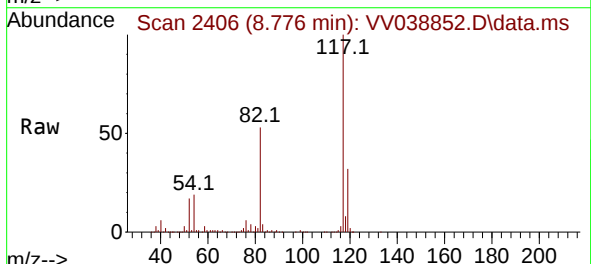
Tgt Ion: 117 Resp: 691062

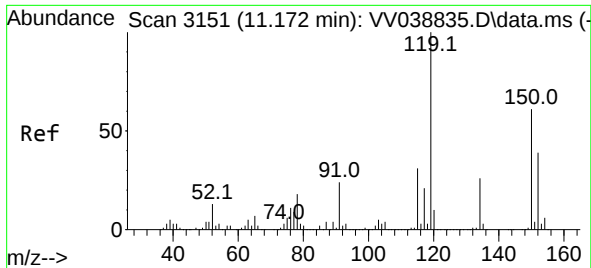
Ion Ratio Lower Upper

117 100

82 53.4 44.2 66.4

119 31.7 25.5 38.3

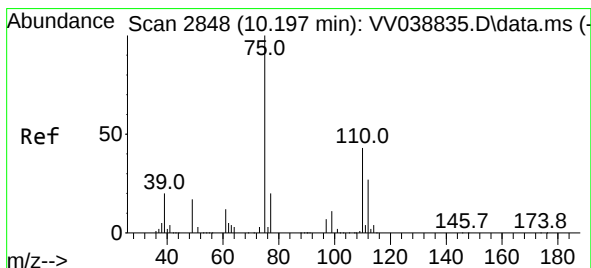
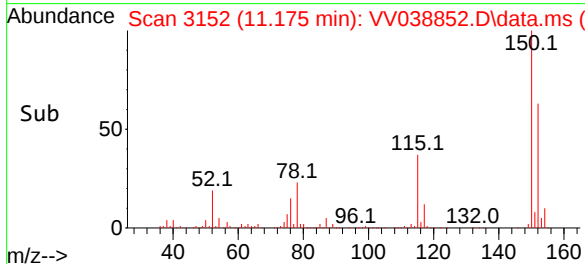
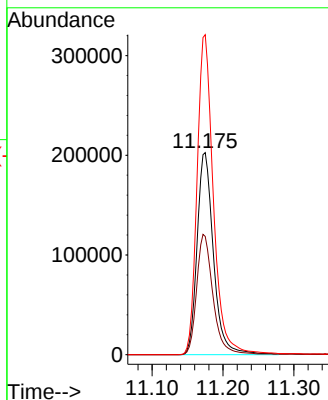
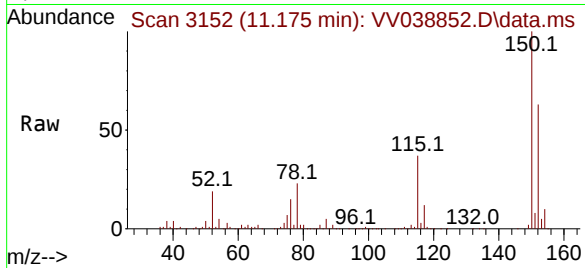




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.175 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VV038852.D
 Acq: 03 Jul 2025 10:18

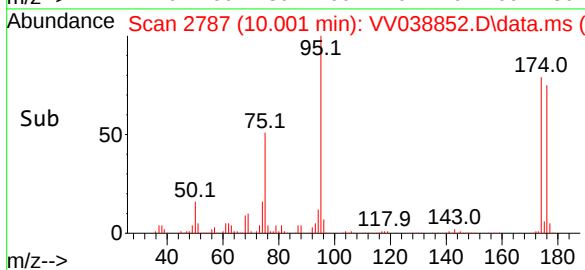
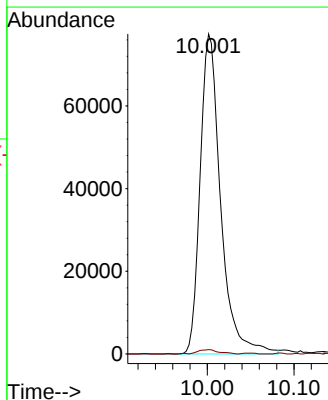
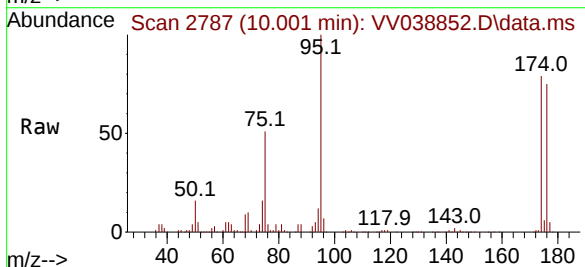
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0703WBL01

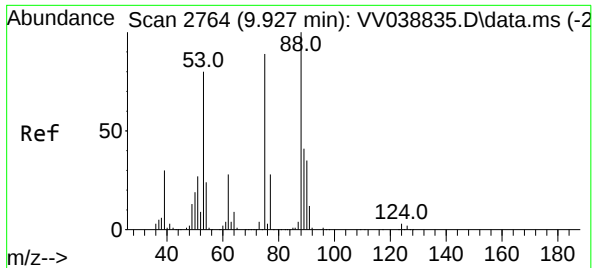
Tgt Ion:152 Resp: 326049
 Ion Ratio Lower Upper
 152 100
 115 59.2 42.0 126.0
 150 158.0 0.0 343.6



#76
 1,2,3-Trichloropropane
 Concen: 25.196 ug/l
 RT: 10.001 min Scan# 2787
 Delta R.T. -0.196 min
 Lab File: VV038852.D
 Acq: 03 Jul 2025 10:18

Tgt Ion: 75 Resp: 127105
 Ion Ratio Lower Upper
 75 100
 77 1.4 11.7 35.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 53.632 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.074 min
Lab File: VV038852.D
Acq: 03 Jul 2025 10:18

Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL01

Tgt Ion: 75 Resp: 127105
Ion Ratio Lower Upper
75 100
53 0.1 71.2 106.8#
89 0.0 44.6 66.8#

