

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070225\
 Data File : VV038840.D
 Acq On : 02 Jul 2025 15:12
 Operator : SY/MD
 Sample : VV0702WBL02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0702WBL02

Quant Time: Jul 03 03:01:08 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)

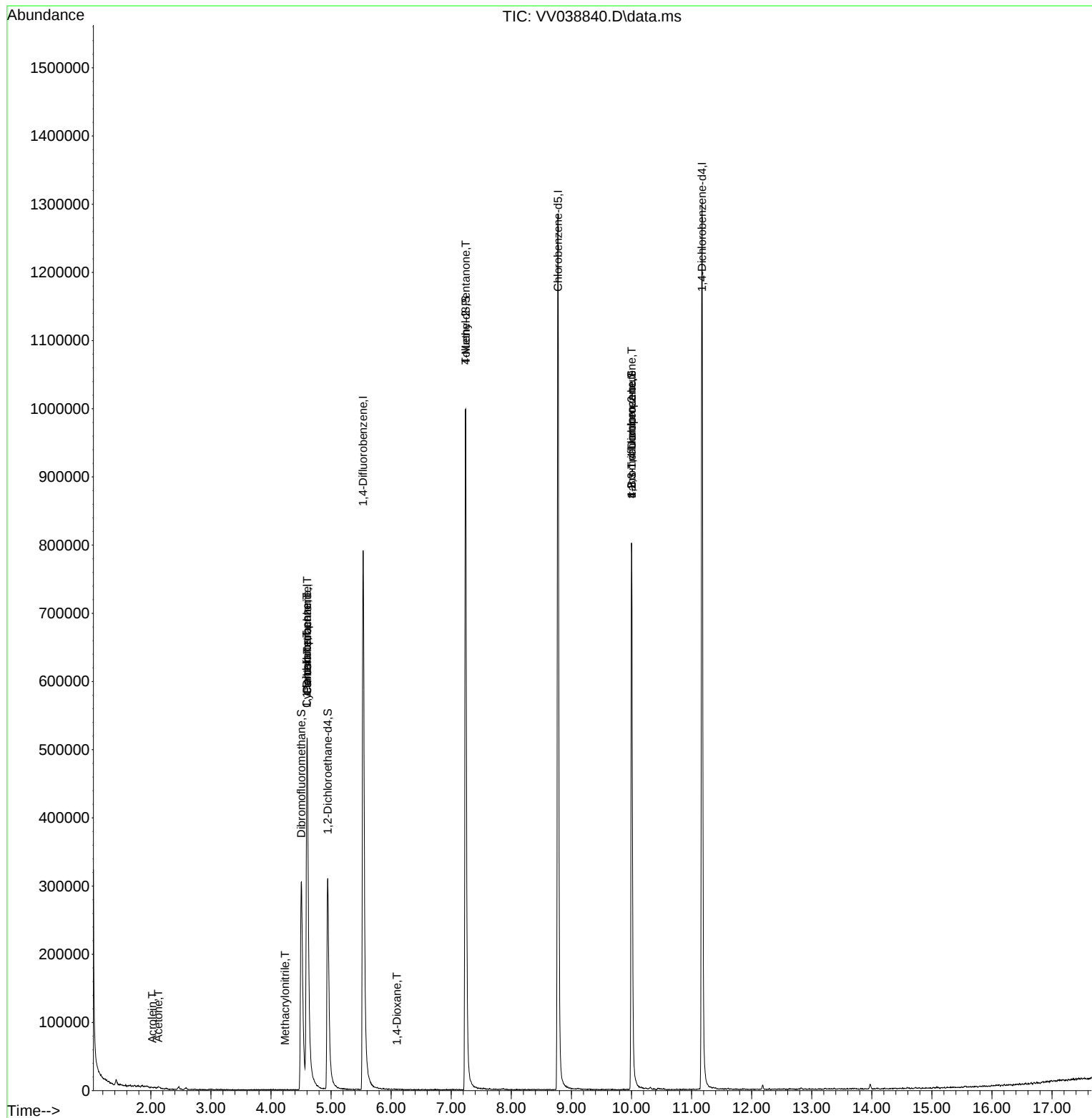
Internal Standards						
1) Pentafluorobenzene	4.600	168	452450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	790729	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	730953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	354386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	290795	57.347	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 114.700%	
35) Dibromofluoromethane	4.503	113	261265	52.163	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 104.320%	
50) Toluene-d8	7.239	98	733615	45.271	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 90.540%	
62) 4-Bromofluorobenzene	10.001	95	274304	41.897	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 83.800%#	
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	1060	Below Cal		91
13) Acrolein	2.024	56	117	0.708	ug/l	86
16) Acetone	2.124	43	475	0.281	ug/l #	53
31) Cyclohexane	4.596	56	9258	1.350	ug/l #	1
36) 1,1-Dichloropropene	4.596	75	34870	5.737	ug/l #	45
38) Carbon Tetrachloride	4.603	117	45418	5.677	ug/l #	16
41) Methacrylonitrile	4.233	41	91	4.261	ug/l #	21
49) 1,4-Dioxane	6.095	88	63	0.966	ug/l #	26
51) 4-Methyl-2-Pentanone	7.239	43	2699	0.432	ug/l #	1
76) 1,2,3-Trichloropropane	10.001	75	140688	25.658	ug/l #	53
81) trans-1,4-Dichloro-2-b...	10.001	75	140688	54.617	ug/l #	12

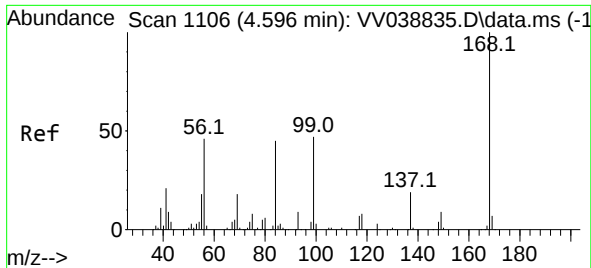
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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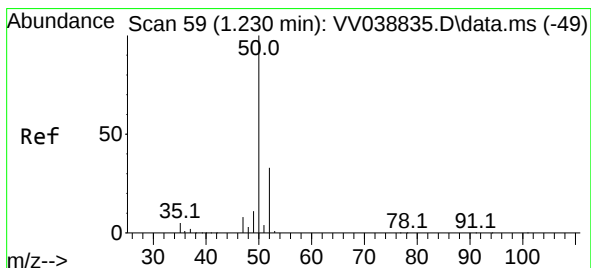
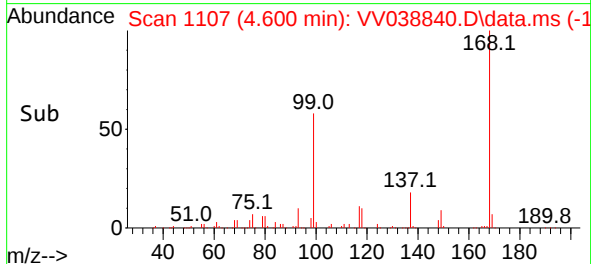
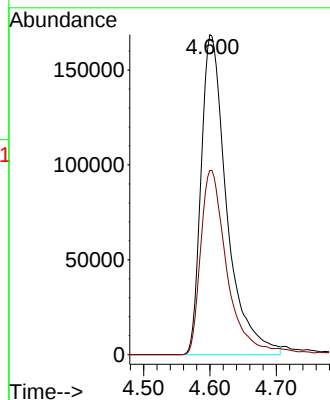
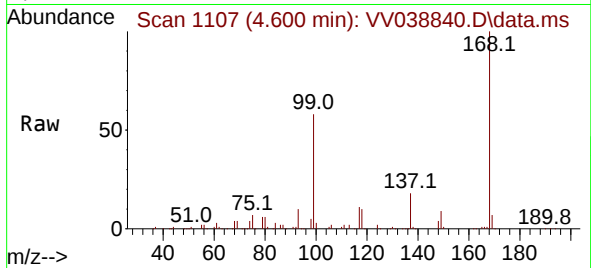




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. 0.004 min
Lab File: VV038840.D
Acq: 02 Jul 2025 15:12

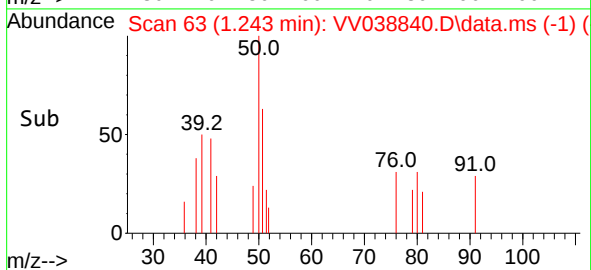
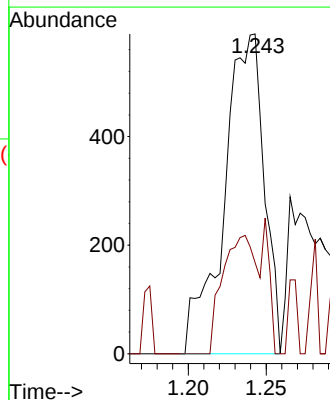
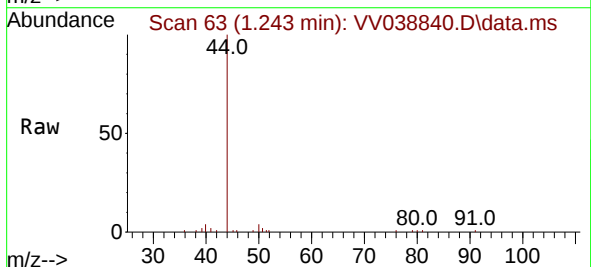
Instrument :
MSVOA_V
ClientSampleId :
VV0702WBL02

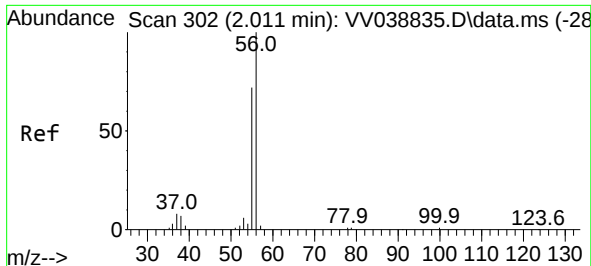
Tgt Ion:168 Resp: 452450
Ion Ratio Lower Upper
168 100
99 57.6 48.6 73.0



#3
Chloromethane
Concen: Below Cal
RT: 1.243 min Scan# 63
Delta R.T. 0.013 min
Lab File: VV038840.D
Acq: 02 Jul 2025 15:12

Tgt Ion: 50 Resp: 1060
Ion Ratio Lower Upper
50 100
52 28.5 26.7 40.1

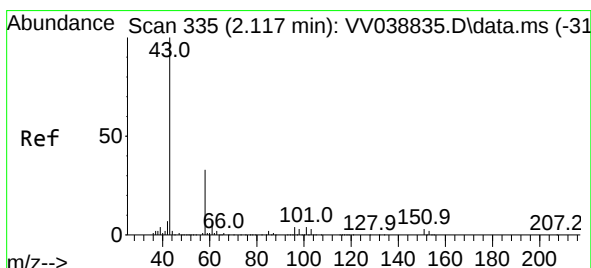
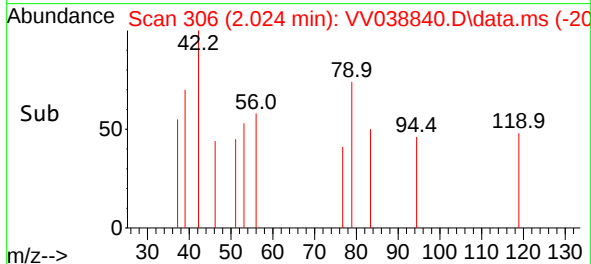
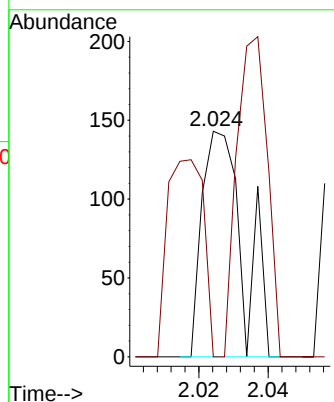
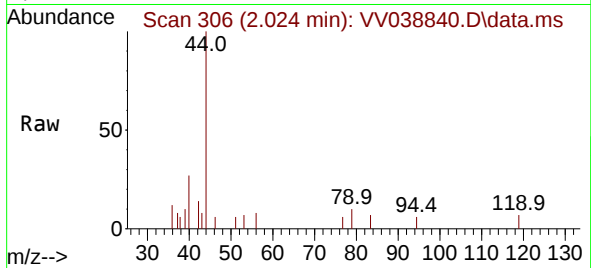




#13
Acrolein
Concen: 0.708 ug/l
RT: 2.024 min Scan# 302
Delta R.T. 0.013 min
Lab File: VV038840.D
Acq: 02 Jul 2025 15:12

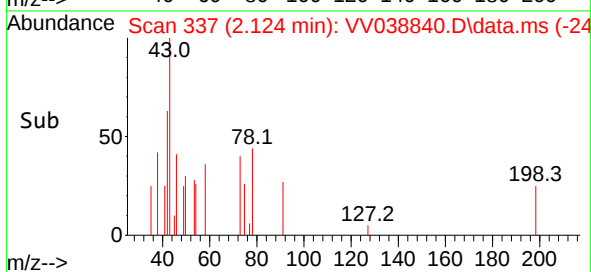
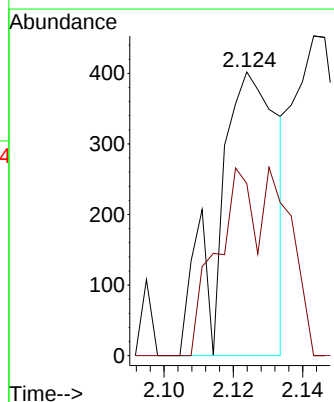
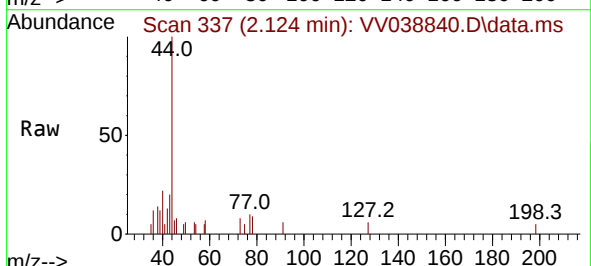
Instrument :
MSVOA_V
ClientSampleId :
VV0702WBL02

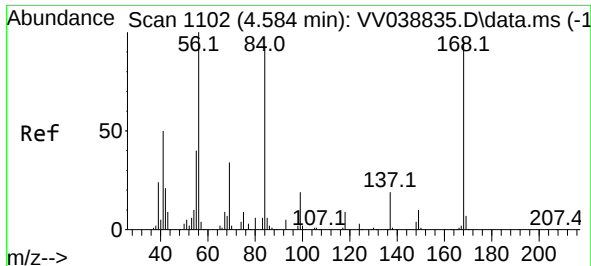
Tgt Ion: 56 Resp: 117
Ion Ratio Lower Upper
56 100
55 77.8 53.4 80.2



#16
Acetone
Concen: 0.281 ug/l
RT: 2.124 min Scan# 337
Delta R.T. 0.006 min
Lab File: VV038840.D
Acq: 02 Jul 2025 15:12

Tgt Ion: 43 Resp: 475
Ion Ratio Lower Upper
43 100
58 60.7 27.0 40.4#

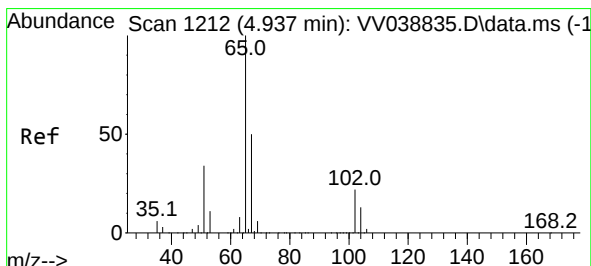
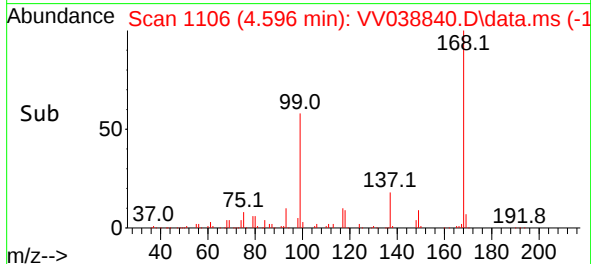
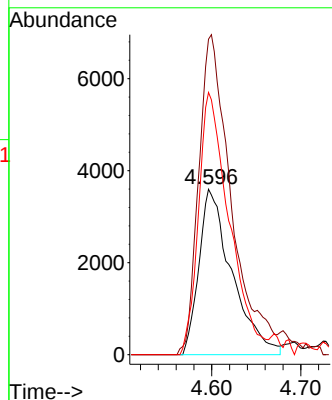
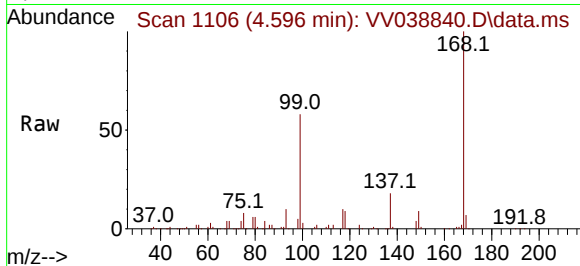




#31
Cyclohexane
Concen: 1.350 ug/l
RT: 4.596 min Scan# 1106
Delta R.T. 0.013 min
Lab File: VV038840.D
Acq: 02 Jul 2025 15:12

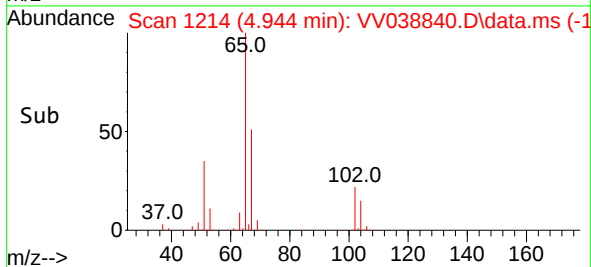
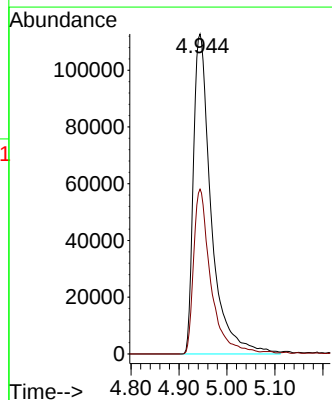
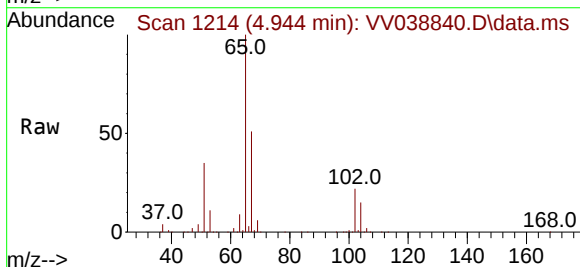
Instrument :
MSVOA_V
ClientSampleId :
VV0702WBL02

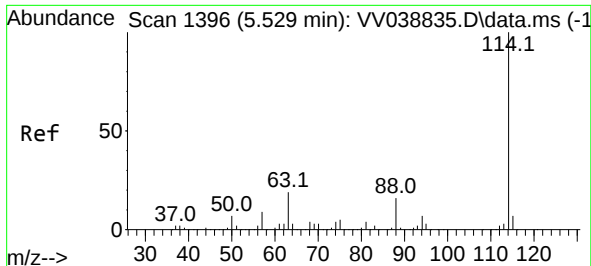
Tgt Ion: 56 Resp: 9258
Ion Ratio Lower Upper
56 100
69 187.2 27.0 40.4#
84 158.6 74.4 111.6#



#33
1,2-Dichloroethane-d4
Concen: 57.347 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VV038840.D
Acq: 02 Jul 2025 15:12

Tgt Ion: 65 Resp: 290795
Ion Ratio Lower Upper
65 100
67 49.7 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: VV038840.D

Acq: 02 Jul 2025 15:12

Instrument :

MSVOA_V

ClientSampleId :

VV0702WBL02

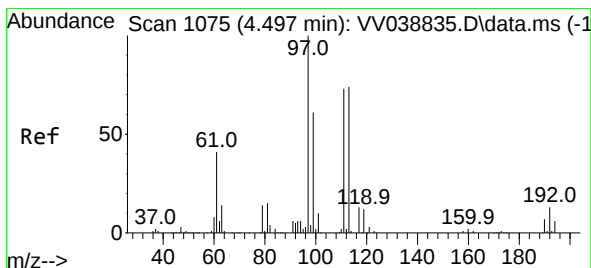
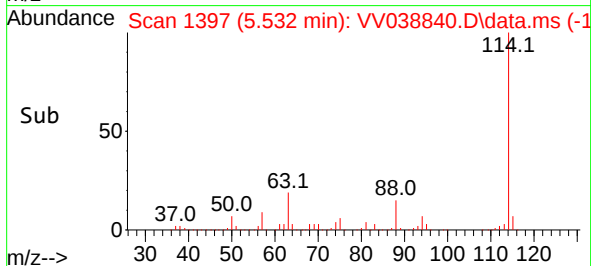
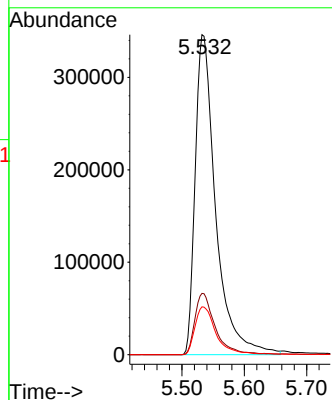
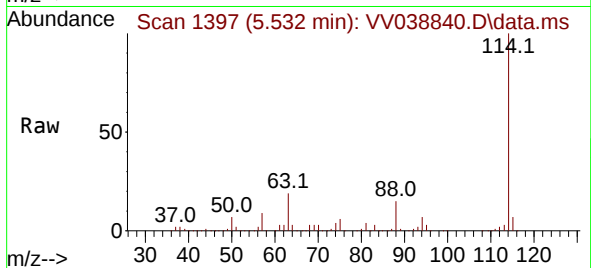
Tgt Ion:114 Resp: 790729

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

88 14.9 0.0 31.2



#35

Dibromofluoromethane

Concen: 52.163 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV038840.D

Acq: 02 Jul 2025 15:12

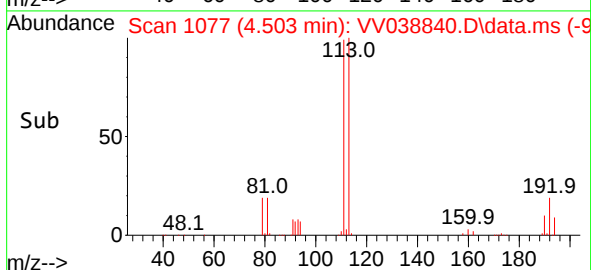
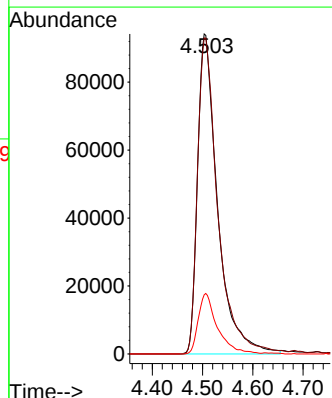
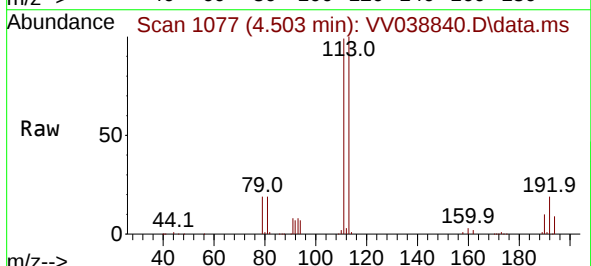
Tgt Ion:113 Resp: 261265

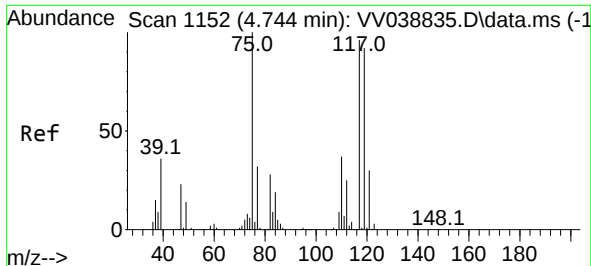
Ion Ratio Lower Upper

113 100

111 100.3 81.5 122.3

192 18.0 14.7 22.1





#36

1,1-Dichloropropene

Concen: 5.737 ug/l

RT: 4.596 min Scan# 1106

Delta R.T. -0.148 min

Lab File: VV038840.D

Acq: 02 Jul 2025 15:12

Instrument :

MSVOA_V

ClientSampleId :

VV0702WBL02

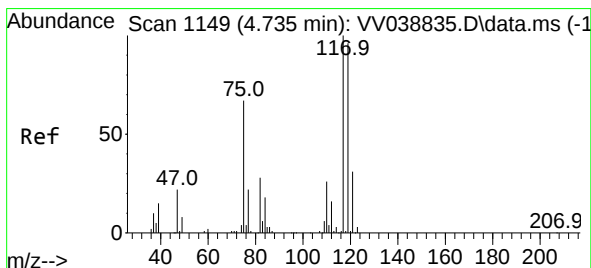
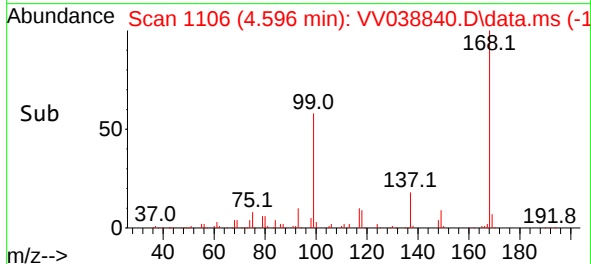
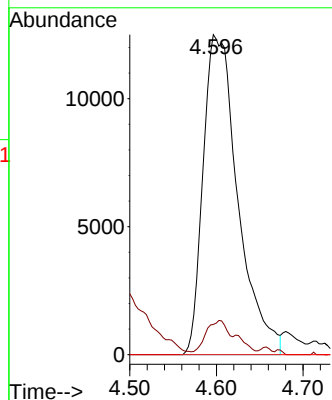
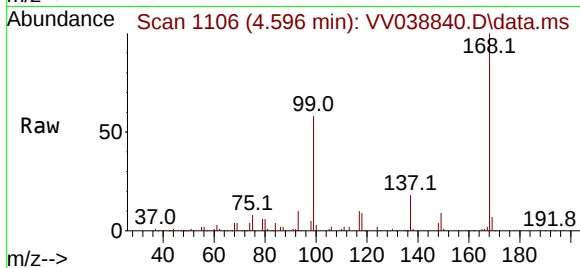
Tgt Ion: 75 Resp: 34870

Ion Ratio Lower Upper

75 100

110 6.1 19.3 57.9#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.677 ug/l

RT: 4.603 min Scan# 1108

Delta R.T. -0.132 min

Lab File: VV038840.D

Acq: 02 Jul 2025 15:12

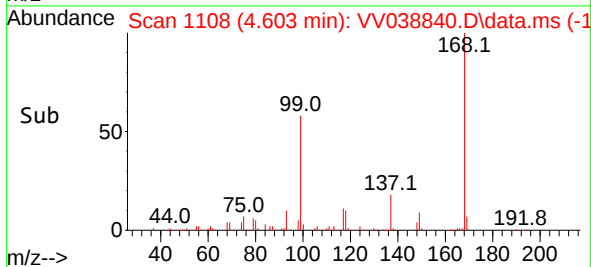
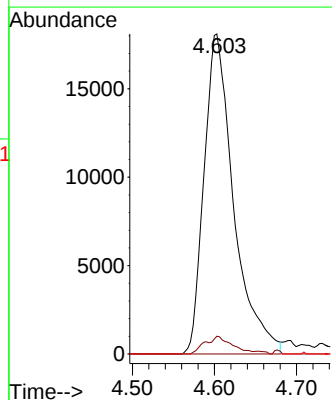
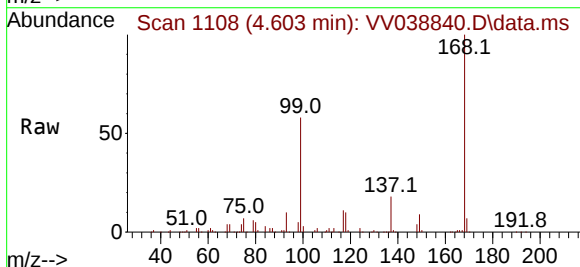
Tgt Ion: 117 Resp: 45418

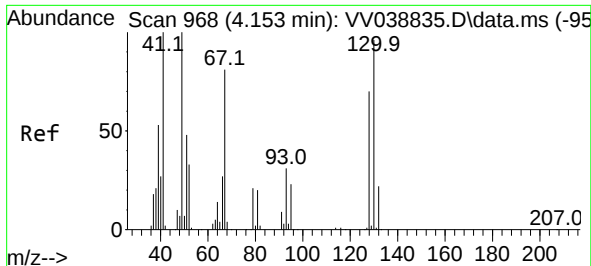
Ion Ratio Lower Upper

117 100

119 5.5 76.5 114.7#

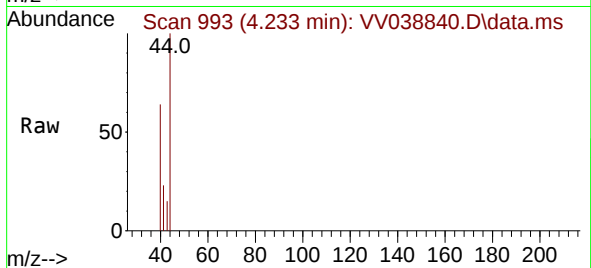
121 0.0 25.0 37.6#



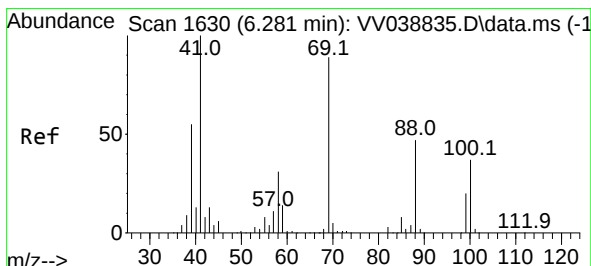
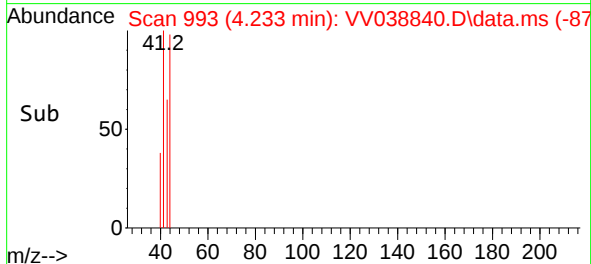
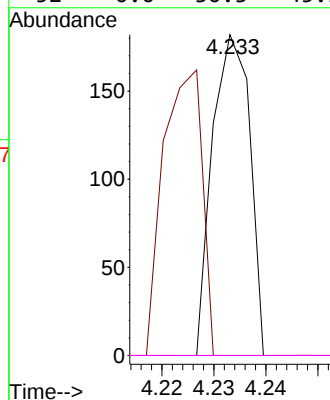


#41
Methacrylonitrile
Concen: 4.261 ug/l
RT: 4.233 min Scan# 91
Delta R.T. 0.080 min
Lab File: VV038840.D
Acq: 02 Jul 2025 15:12

Instrument :
MSVOA_V
ClientSampleId :
VV0702WBL02

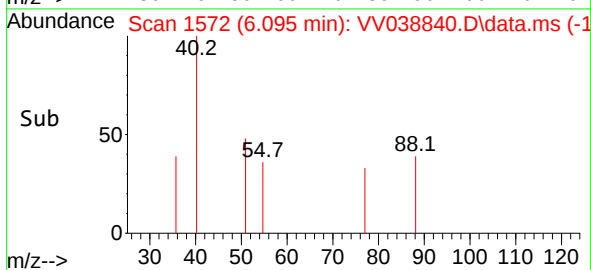
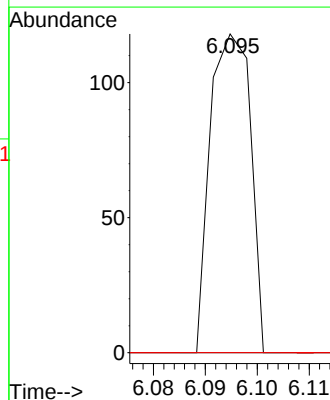
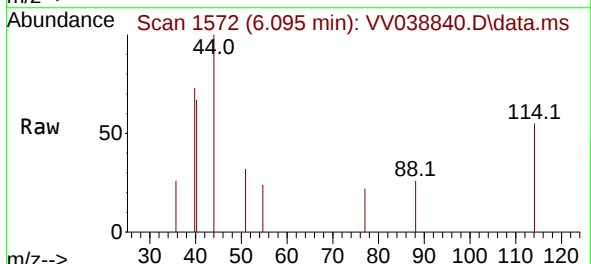


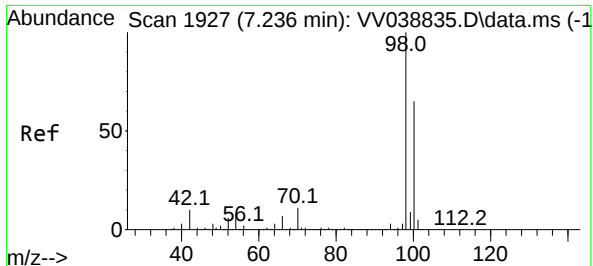
Tgt Ion:	41	Resp:	91
Ion	Ratio	Lower	Upper
41	100		
39	92.3	43.8	65.8#
67	0.0	78.8	118.2#
52	0.0	30.3	45.5#



#49
1,4-Dioxane
Concen: 0.966 ug/l
RT: 6.095 min Scan# 1572
Delta R.T. -0.186 min
Lab File: VV038840.D
Acq: 02 Jul 2025 15:12

Tgt Ion:	88	Resp:	63
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.2	37.8#
58	0.0	52.1	78.1#

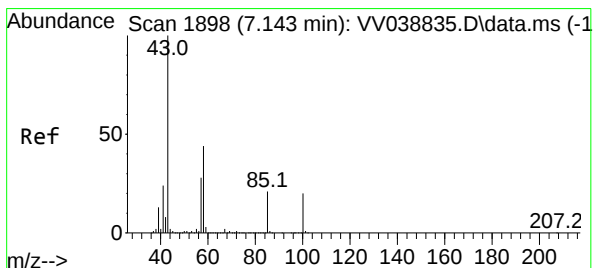
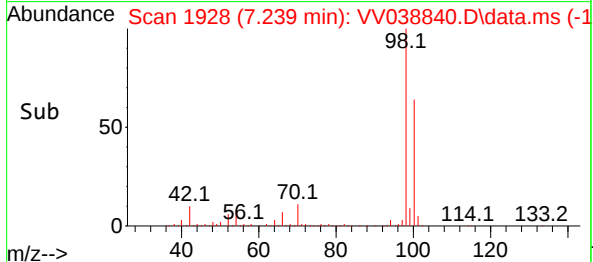
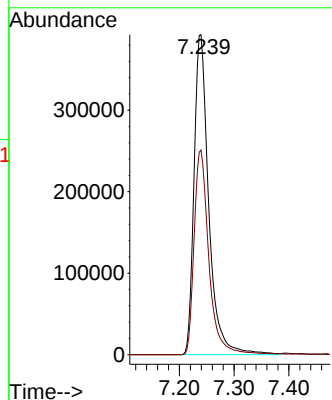
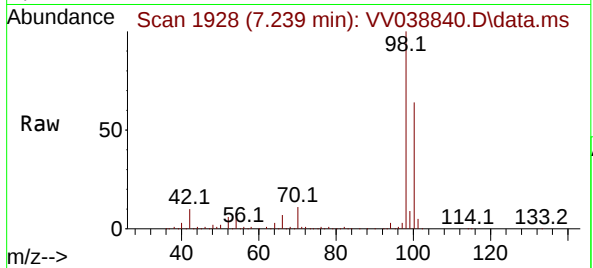




#50
Toluene-d8
Concen: 45.271 ug/l
RT: 7.239 min Scan# 1928
Delta R.T. 0.003 min
Lab File: VV038840.D
Acq: 02 Jul 2025 15:12

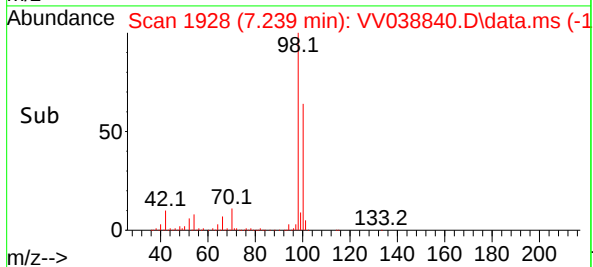
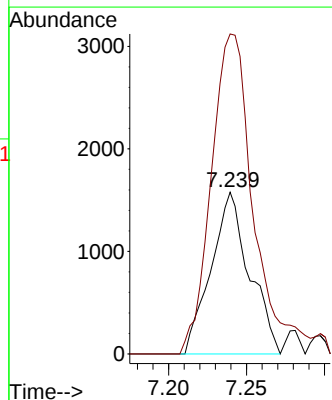
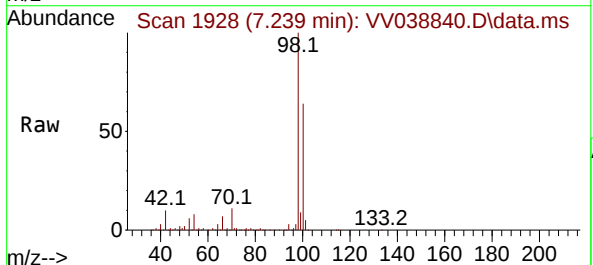
Instrument :
MSVOA_V
ClientSampleId :
VV0702WBL02

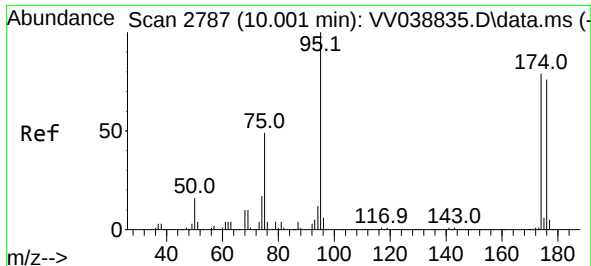
Tgt Ion: 98 Resp: 733615
Ion Ratio Lower Upper
98 100
100 64.3 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.432 ug/l
RT: 7.239 min Scan# 1928
Delta R.T. 0.096 min
Lab File: VV038840.D
Acq: 02 Jul 2025 15:12

Tgt Ion: 43 Resp: 2699
Ion Ratio Lower Upper
43 100
58 216.9 34.4 51.6#





#62

4-Bromofluorobenzene

Concen: 41.897 ug/l

RT: 10.001 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV038840.D

Acq: 02 Jul 2025 15:12

Instrument :

MSVOA_V

ClientSampleId :

VV0702WBL02

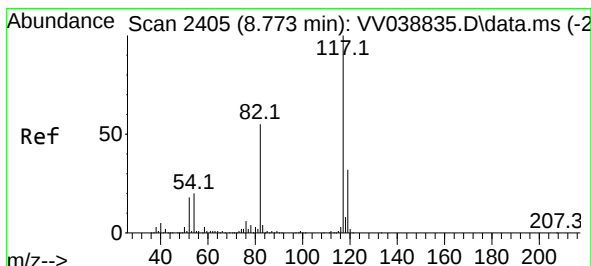
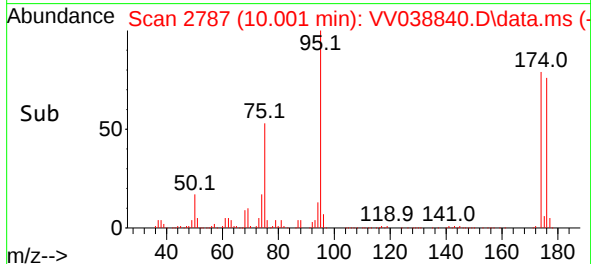
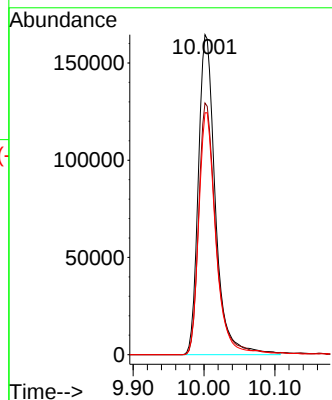
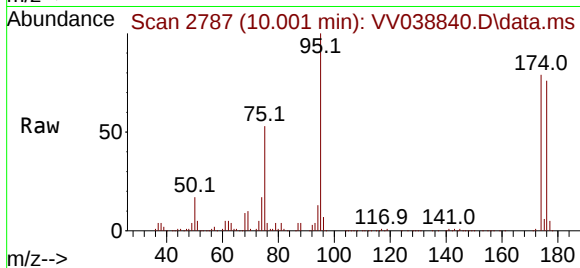
Tgt Ion: 95 Resp: 274304

Ion Ratio Lower Upper

95 100

174 79.8 0.0 158.2

176 75.2 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: VV038840.D

Acq: 02 Jul 2025 15:12

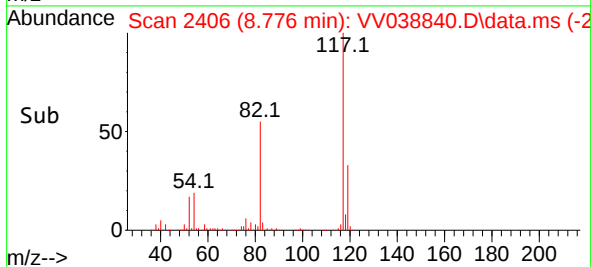
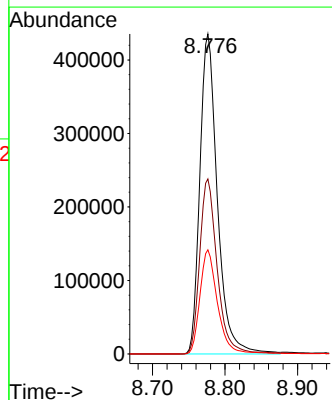
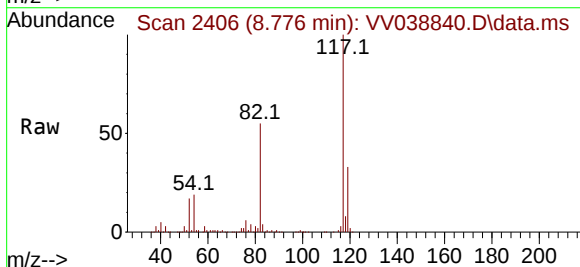
Tgt Ion: 117 Resp: 730953

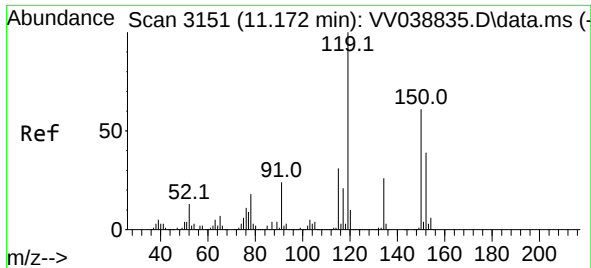
Ion Ratio Lower Upper

117 100

82 54.7 44.2 66.4

119 32.5 25.5 38.3

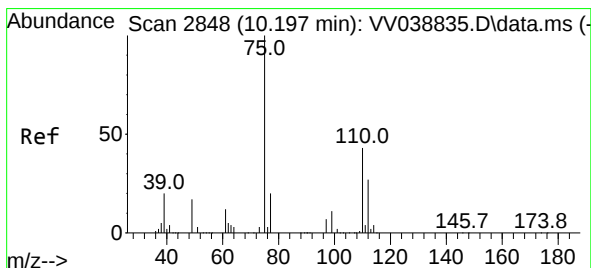
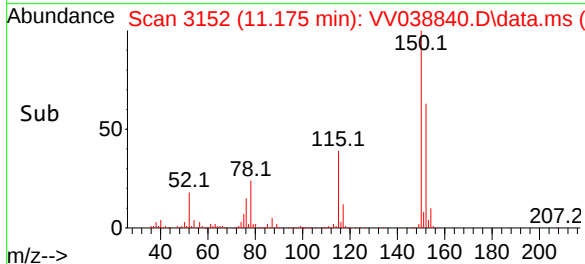
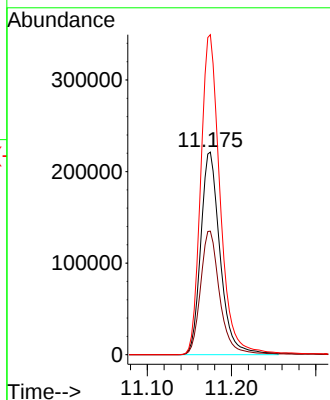
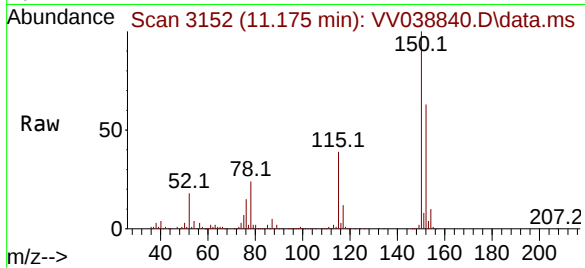




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.175 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VV038840.D
 Acq: 02 Jul 2025 15:12

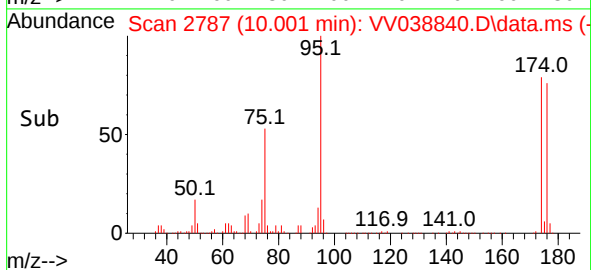
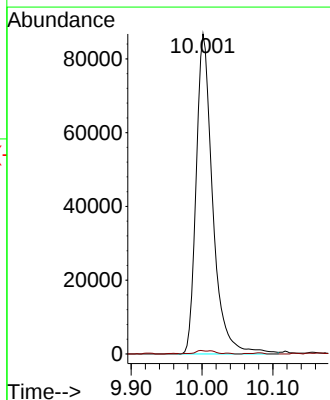
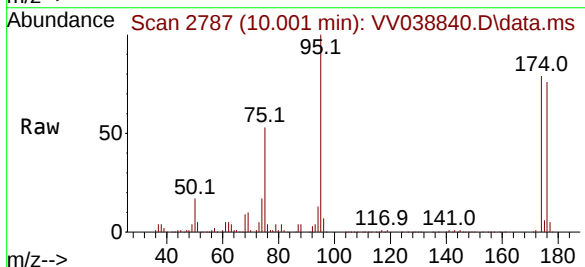
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0702WBL02

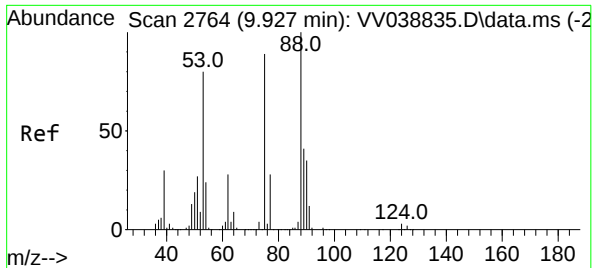
Tgt Ion:152 Resp: 354386
 Ion Ratio Lower Upper
 152 100
 115 60.8 42.0 126.0
 150 158.3 0.0 343.6



#76
 1,2,3-Trichloropropane
 Concen: 25.658 ug/l
 RT: 10.001 min Scan# 2787
 Delta R.T. -0.196 min
 Lab File: VV038840.D
 Acq: 02 Jul 2025 15:12

Tgt Ion: 75 Resp: 140688
 Ion Ratio Lower Upper
 75 100
 77 0.7 11.7 35.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 54.617 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.074 min
Lab File: VV038840.D
Acq: 02 Jul 2025 15:12

Instrument :
MSVOA_V
ClientSampleId :
VV0702WBL02

Tgt Ion: 75 Resp: 140688
Ion Ratio Lower Upper
75 100
53 0.4 71.2 106.8#
89 0.0 44.6 66.8#

