

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092925\
 Data File : VV039232.D
 Acq On : 29 Sep 2025 15:23
 Operator : SY/MD
 Sample : PB169894TB
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 30 01:27:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

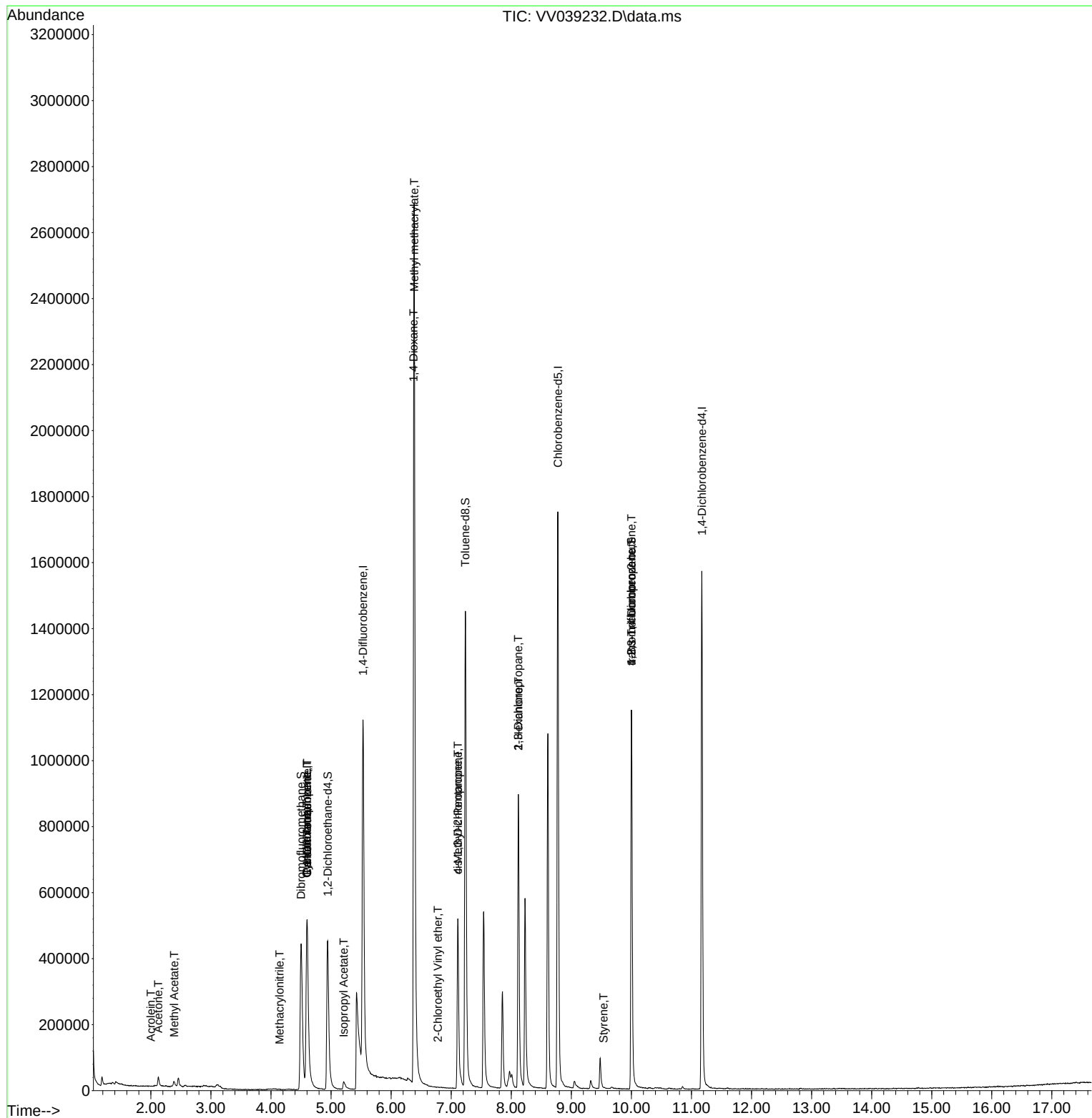
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	450804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	957249	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	989121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	422598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	392790	60.203	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	120.400%#
35) Dibromofluoromethane	4.503	113	376142	48.878	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	97.760%
50) Toluene-d8	7.236	98	1029765	45.561	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	91.120%
62) 4-Bromofluorobenzene	10.001	95	387535	41.650	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	83.300%#
Target Compounds						
6) Chloroethane	1.551	64	319	Below Cal	#	49
13) Acrolein	2.002	56	211	0.882	ug/l #	28
16) Acetone	2.124	43	32704	3.372	ug/l	95
18) Methyl Acetate	2.387	43	20553	2.126	ug/l	100
20) Methylene Chloride	2.458	84	11737	Below Cal		96
31) Cyclohexane	4.596	56	10109	0.869	ug/l #	1
36) 1,1-Dichloropropene	4.600	75	38074	3.272	ug/l #	48
38) Carbon Tetrachloride	4.603	117	45337	3.188	ug/l #	17
41) Methacrylonitrile	4.143	41	87	1.924	ug/l #	24
43) Isopropyl Acetate	5.210	43	36301	1.886	ug/l	95
48) Methyl methacrylate	6.384	41	245217	28.102	ug/l #	40
49) 1,4-Dioxane	6.374	88	368	2.613	ug/l #	1
51) 4-Methyl-2-Pentanone	7.111	43	197888	15.626	ug/l #	48
54) cis-1,3-Dichloropropene	7.111	75	96410	6.725	ug/l #	64
57) 1,3-Dichloropropane	8.117	76	9029	0.581	ug/l #	42
58) 2-Chloroethyl Vinyl ether	6.776	63	70	9.633	ug/l #	47
59) 2-Hexanone	8.120	43	119075	13.866	ug/l #	56
70) Styrene	9.535	104	211	1.568	ug/l #	79
76) 1,2,3-Trichloropropane	10.001	75	193182	20.077	ug/l #	56
81) trans-1,4-Dichloro-2-b...	10.001	75	193182	48.200	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	12.387	75	77	Below Cal	#	5

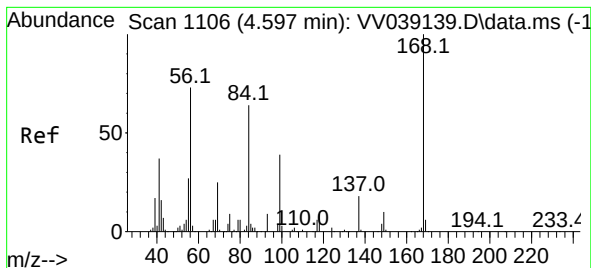
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092925\
Data File : VV039232.D
Acq On : 29 Sep 2025 15:23
Operator : SY/MD
Sample : PB169894TB
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Sep 30 01:27:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

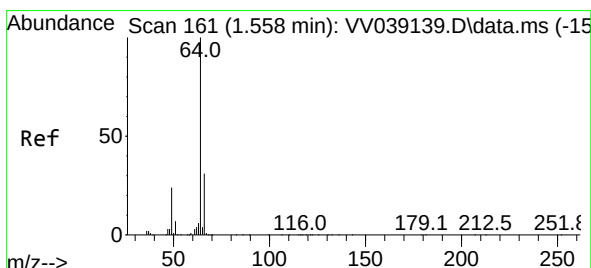
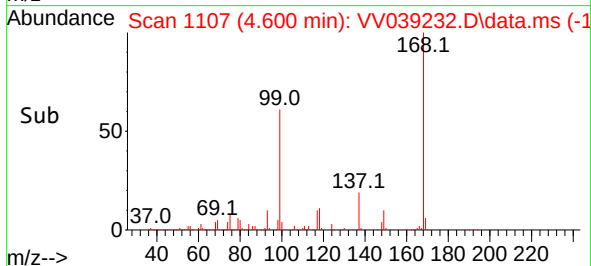
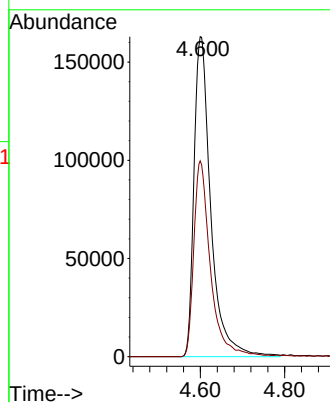
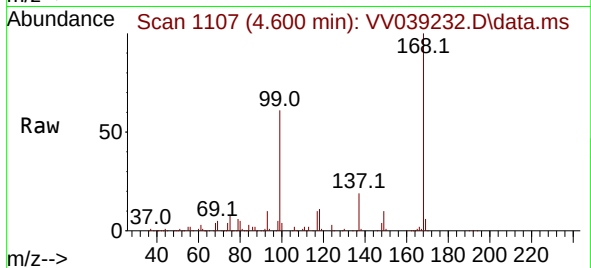




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV039232.D
Acq: 29 Sep 2025 15:23

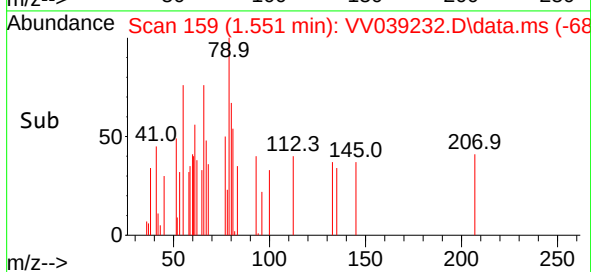
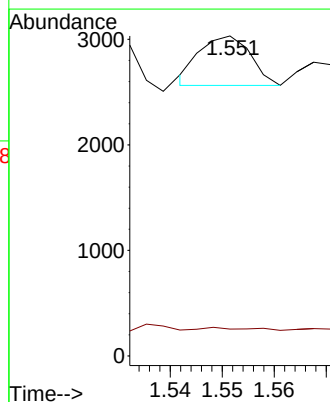
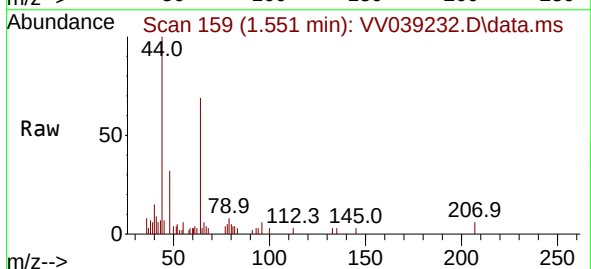
Instrument :
MSVOA_V
ClientSampleId :

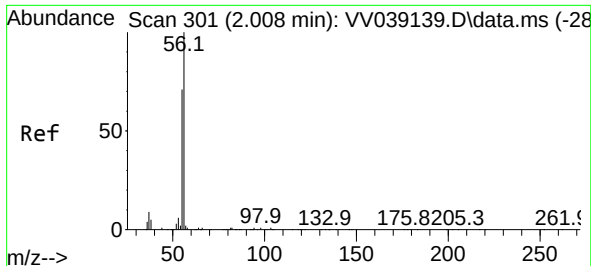
Tgt Ion:168 Resp: 450804
Ion Ratio Lower Upper
168 100
99 61.2 49.6 74.4



#6
Chloroethane
Concen: Below Cal
RT: 1.551 min Scan# 159
Delta R.T. -0.007 min
Lab File: VV039232.D
Acq: 29 Sep 2025 15:23

Tgt Ion: 64 Resp: 319
Ion Ratio Lower Upper
64 100
66 2.6 24.6 36.8#

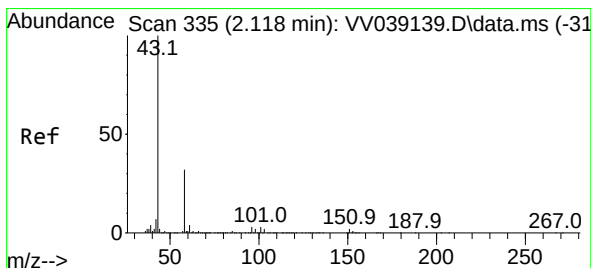
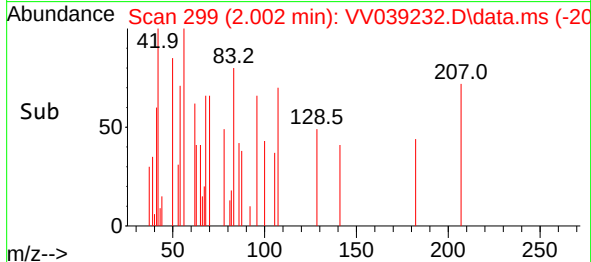
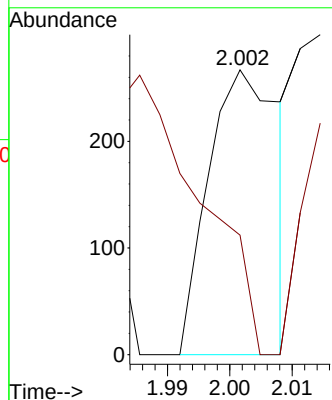
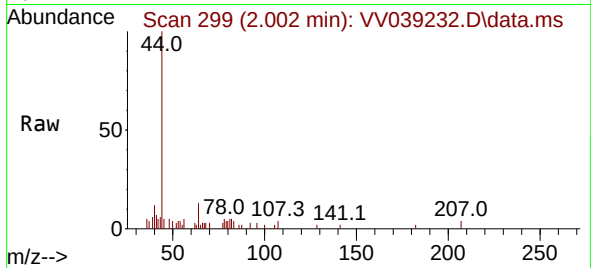




#13
Acrolein
Concen: 0.882 ug/l
RT: 2.002 min Scan# 299
Delta R.T. -0.007 min
Lab File: VV039232.D
Acq: 29 Sep 2025 15:23

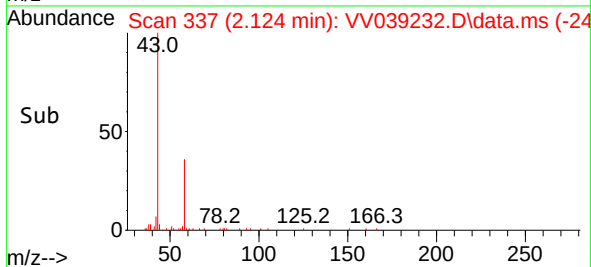
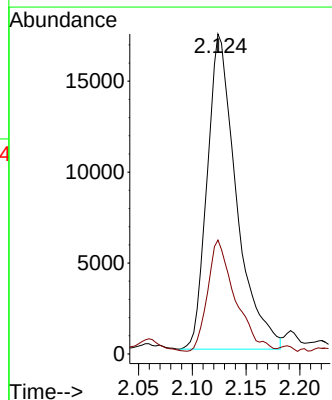
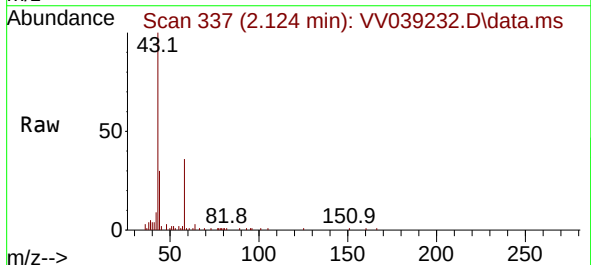
Instrument :
MSVOA_V
ClientSampleId :

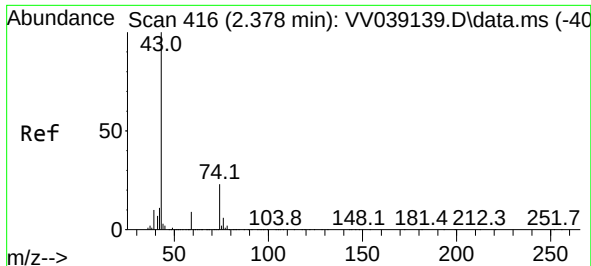
Tgt Ion: 56 Resp: 211
Ion Ratio Lower Upper
56 100
55 129.4 56.2 84.4#



#16
Acetone
Concen: 3.372 ug/l
RT: 2.124 min Scan# 337
Delta R.T. 0.006 min
Lab File: VV039232.D
Acq: 29 Sep 2025 15:23

Tgt Ion: 43 Resp: 32704
Ion Ratio Lower Upper
43 100
58 35.1 25.8 38.6

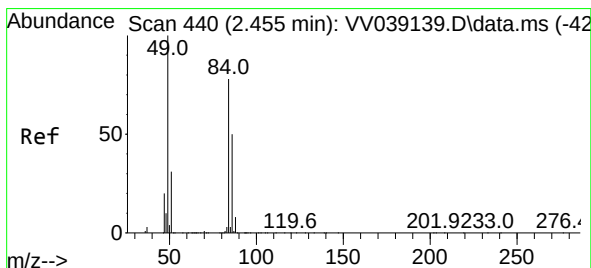
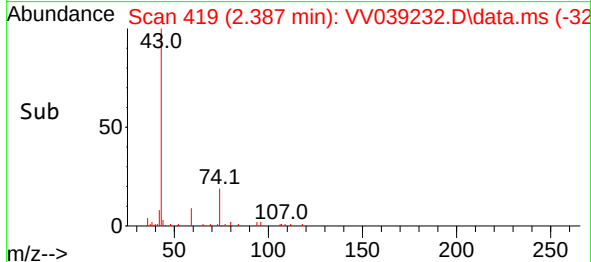
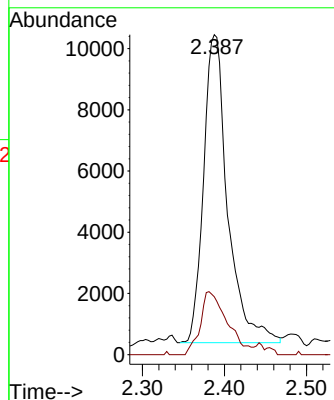
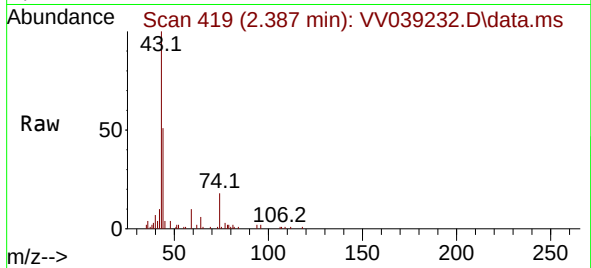




#18
Methyl Acetate
Concen: 2.126 ug/l
RT: 2.387 min Scan# 41
Delta R.T. 0.010 min
Lab File: VV039232.D
Acq: 29 Sep 2025 15:23

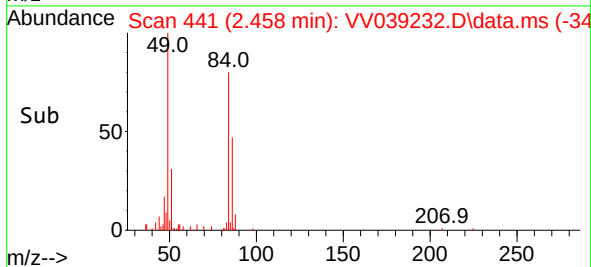
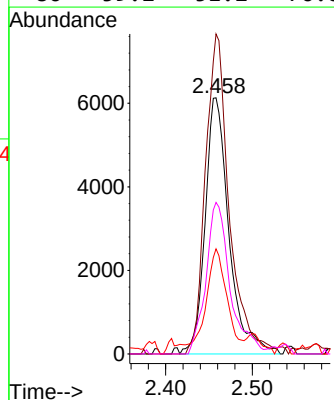
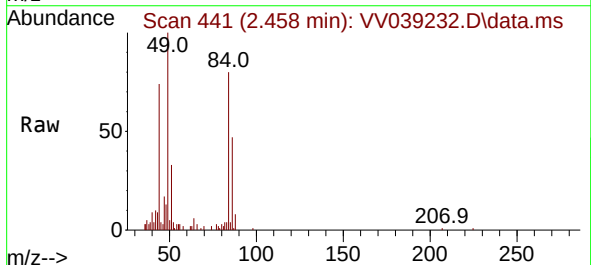
Instrument :
MSVOA_V
ClientSampleId :

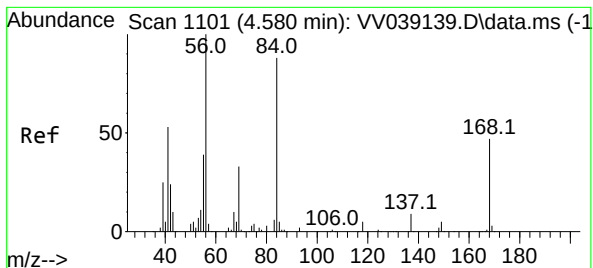
Tgt Ion: 43 Resp: 20553
Ion Ratio Lower Upper
43 100
74 23.0 18.6 27.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039232.D
Acq: 29 Sep 2025 15:23

Tgt Ion: 84 Resp: 11737
Ion Ratio Lower Upper
84 100
49 124.9 102.8 154.2
51 37.5 31.9 47.9
86 59.2 51.2 76.8





#31

Cyclohexane

Concen: 0.869 ug/l

RT: 4.596 min Scan# 1106

Delta R.T. 0.016 min

Lab File: VV039232.D

Acq: 29 Sep 2025 15:23

Instrument :

MSVOA_V

ClientSampleId :

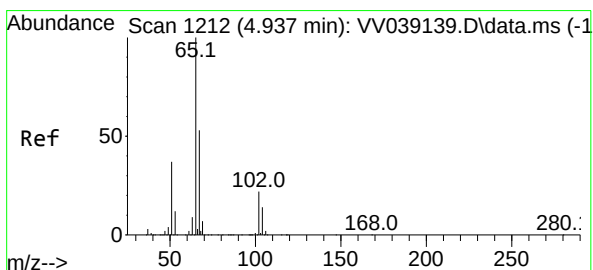
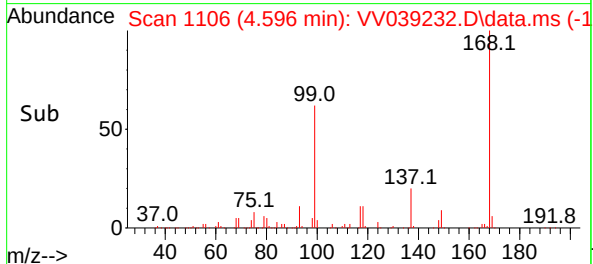
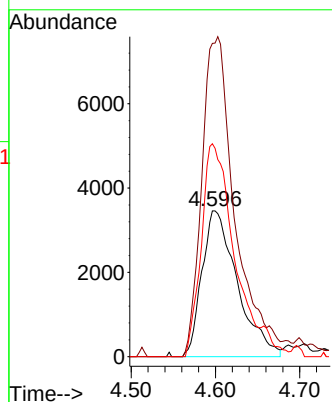
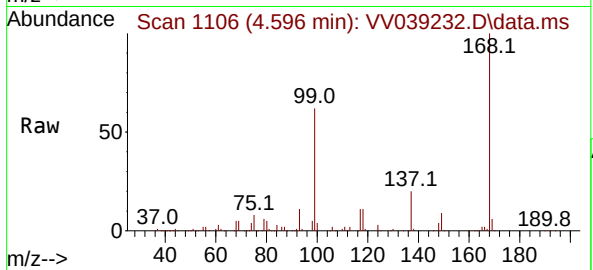
Tgt Ion: 56 Resp: 10109

Ion Ratio Lower Upper

56 100

69 214.9 26.2 39.2#

84 146.1 70.3 105.5#



#33

1,2-Dichloroethane-d4

Concen: 60.203 ug/l

RT: 4.944 min Scan# 1214

Delta R.T. 0.006 min

Lab File: VV039232.D

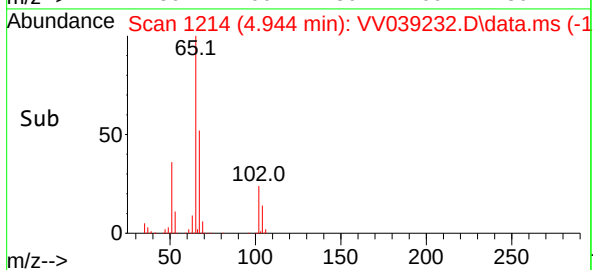
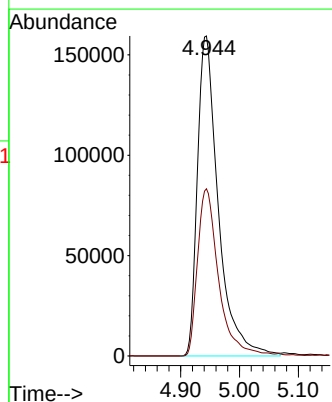
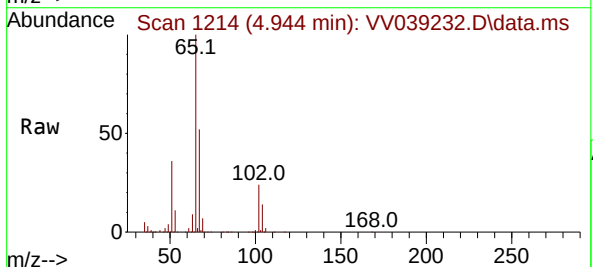
Acq: 29 Sep 2025 15:23

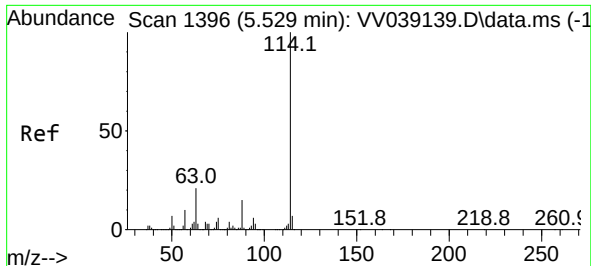
Tgt Ion: 65 Resp: 392790

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. 0.003 min

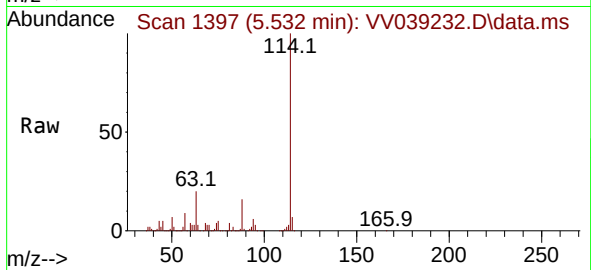
Lab File: VV039232.D

Acq: 29 Sep 2025 15:23

Instrument :

MSVOA_V

ClientSampleId :



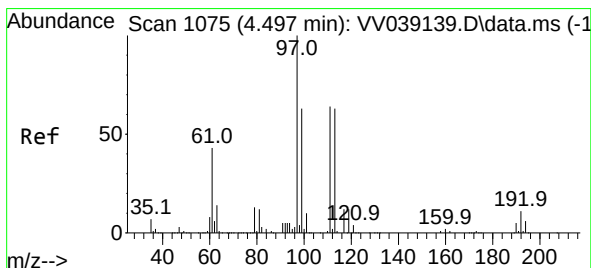
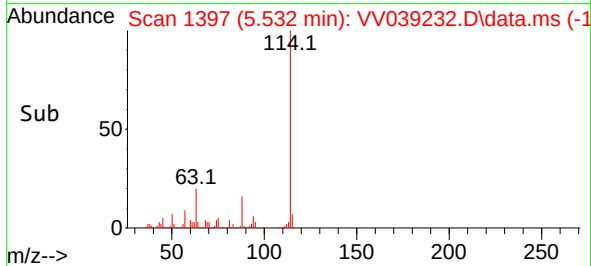
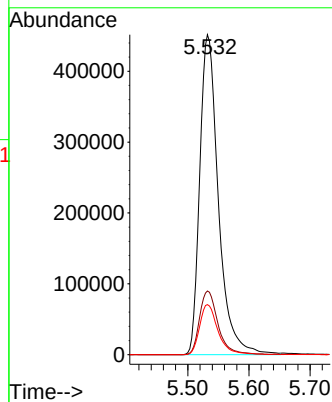
Tgt Ion:114 Resp: 957249

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

88 15.7 0.0 30.8



#35

Dibromofluoromethane

Concen: 48.878 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV039232.D

Acq: 29 Sep 2025 15:23

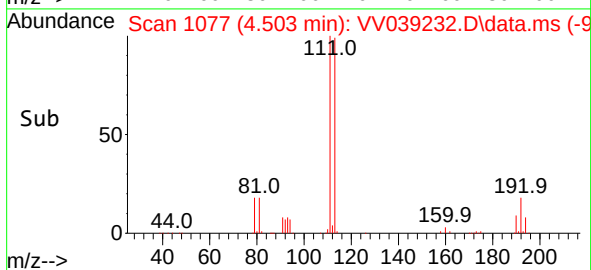
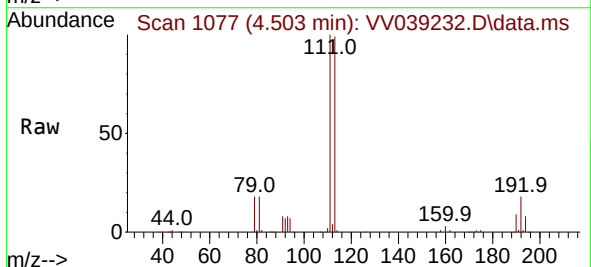
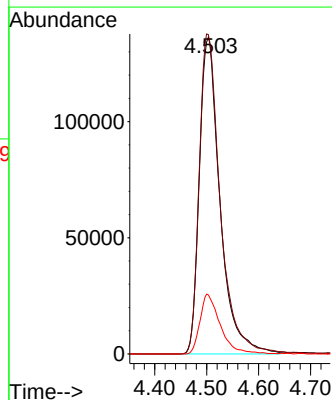
Tgt Ion:113 Resp: 376142

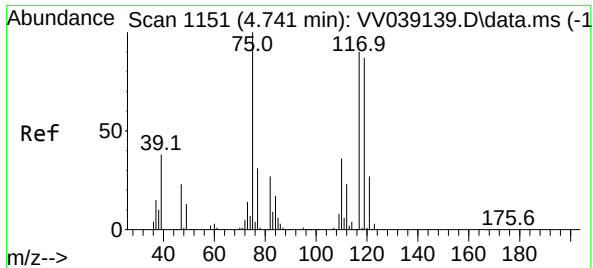
Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

192 18.4 13.8 20.8





#36

1,1-Dichloropropene

Concen: 3.272 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.141 min

Lab File: VV039232.D

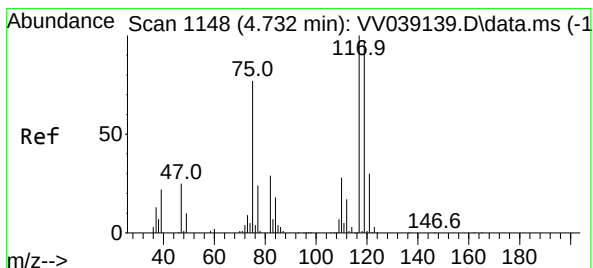
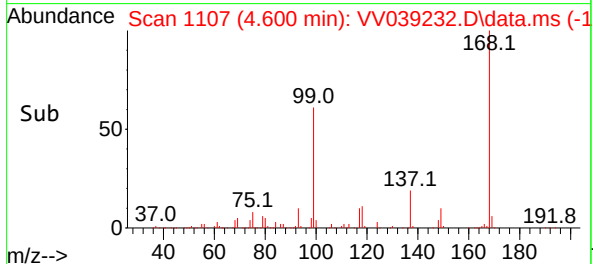
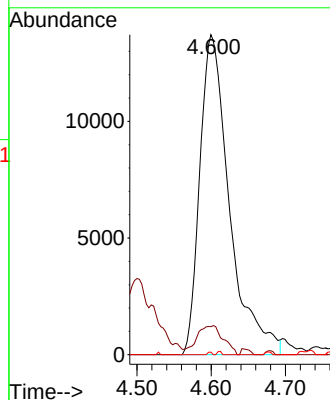
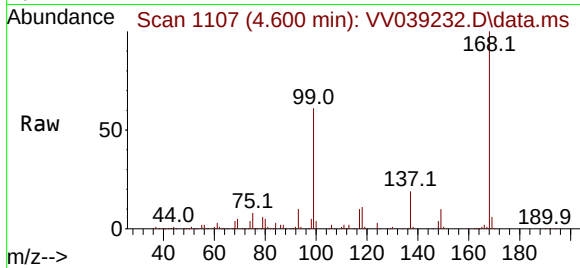
Acq: 29 Sep 2025 15:23

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	75	Resp:	38074
Ion Ratio	Lower	Upper	
75	100		
110	8.1	18.1	54.1#
77	0.1	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 3.188 ug/l

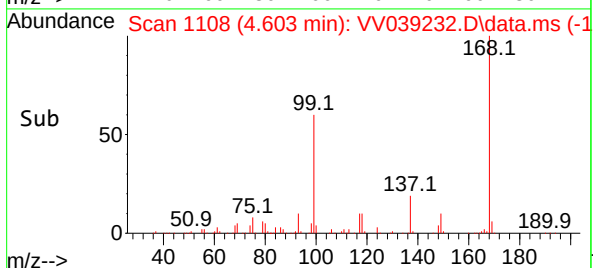
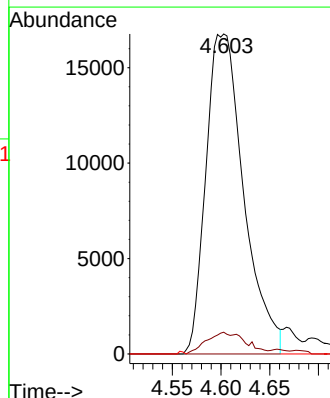
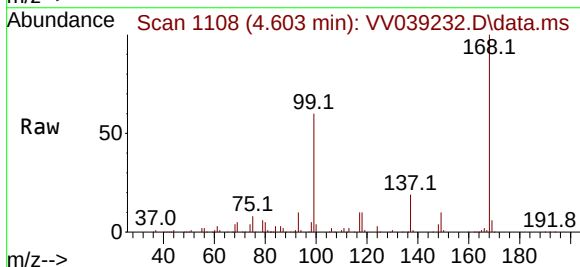
RT: 4.603 min Scan# 1108

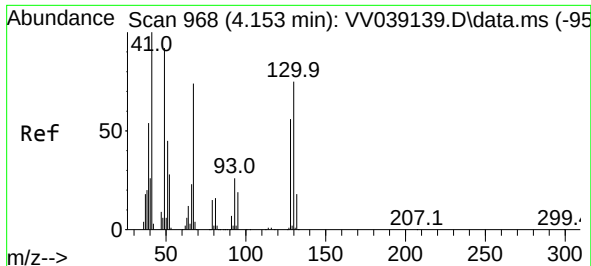
Delta R.T. -0.129 min

Lab File: VV039232.D

Acq: 29 Sep 2025 15:23

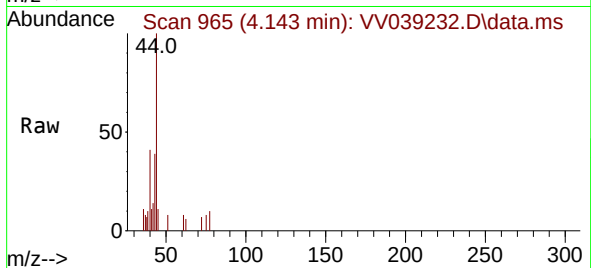
Tgt Ion:	117	Resp:	45337
Ion Ratio	Lower	Upper	
117	100		
119	6.8	77.2	115.8#
121	0.0	24.2	36.2#



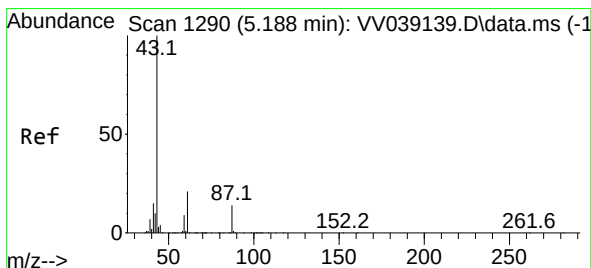
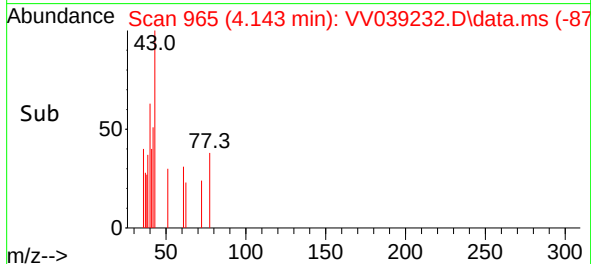
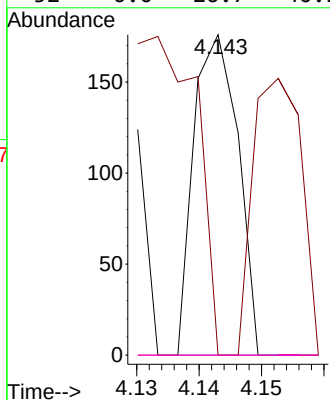


#41
Methacrylonitrile
Concen: 1.924 ug/l
RT: 4.143 min Scan# 90
Delta R.T. -0.010 min
Lab File: VV039232.D
Acq: 29 Sep 2025 15:23

Instrument :
MSVOA_V
ClientSampleId :

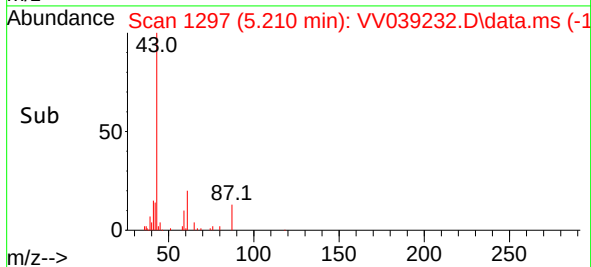
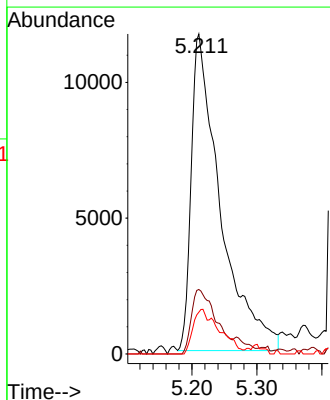
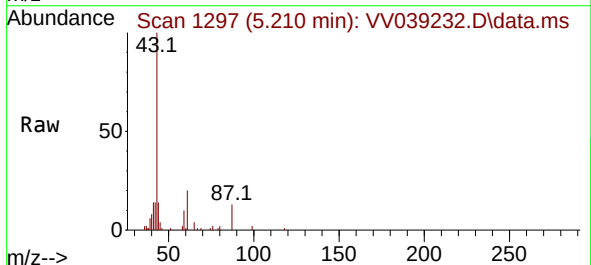


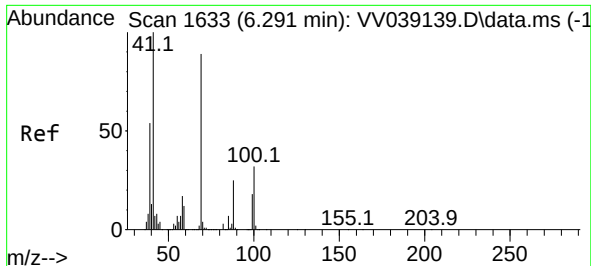
Tgt Ion:	41	Resp:	87
Ion	Ratio	Lower	Upper
41	100		
39	94.3	42.2	63.2#
67	0.0	67.9	101.9#
52	0.0	26.7	40.1#



#43
Isopropyl Acetate
Concen: 1.886 ug/l
RT: 5.210 min Scan# 1297
Delta R.T. 0.022 min
Lab File: VV039232.D
Acq: 29 Sep 2025 15:23

Tgt Ion:	43	Resp:	36301
Ion	Ratio	Lower	Upper
43	100		
61	17.1	15.9	23.9
87	12.9	11.0	16.6





#48

Methyl methacrylate

Concen: 28.102 ug/l

RT: 6.384 min Scan# 1

Delta R.T. 0.093 min

Lab File: VV039232.D

Acq: 29 Sep 2025 15:23

Instrument :

MSVOA_V

ClientSampleId :

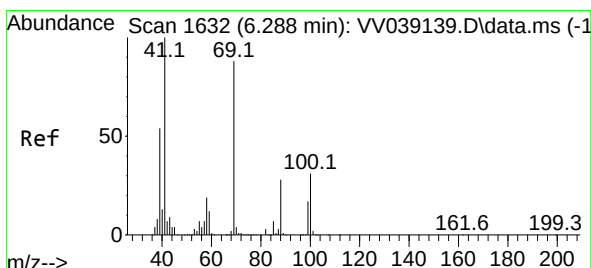
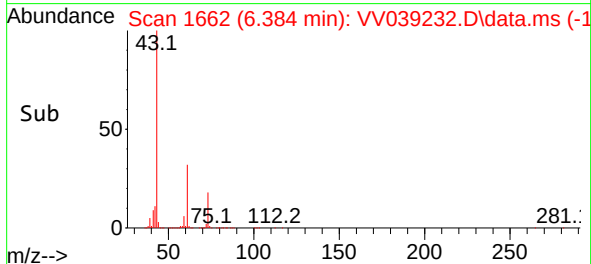
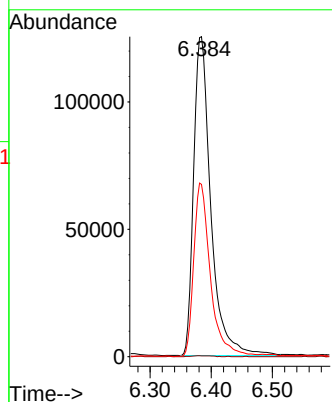
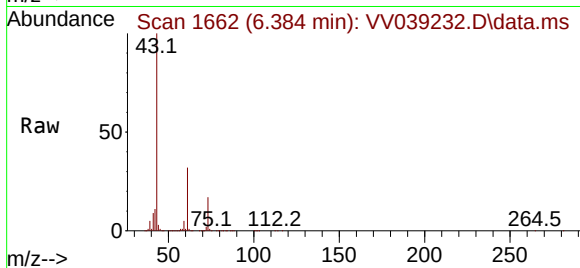
Tgt Ion: 41 Resp: 245217

Ion Ratio Lower Upper

41 100

69 0.3 72.4 108.6#

39 52.9 42.5 63.7



#49

1,4-Dioxane

Concen: 2.613 ug/l

RT: 6.374 min Scan# 1659

Delta R.T. 0.087 min

Lab File: VV039232.D

Acq: 29 Sep 2025 15:23

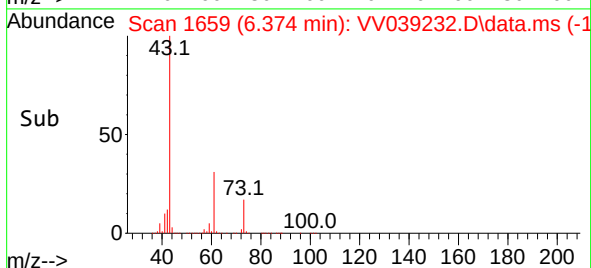
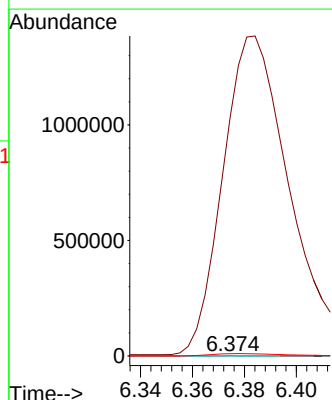
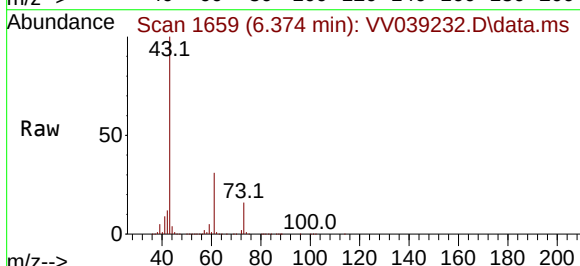
Tgt Ion: 88 Resp: 368

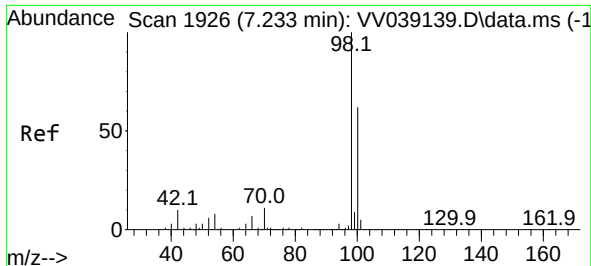
Ion Ratio Lower Upper

88 100

43 704754.6 25.1 37.7#

58 5667.4 53.6 80.4#

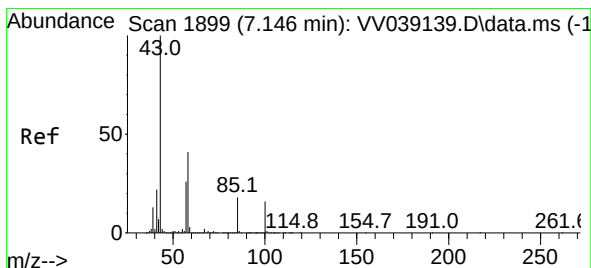
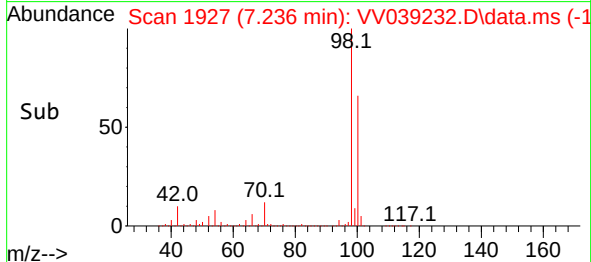
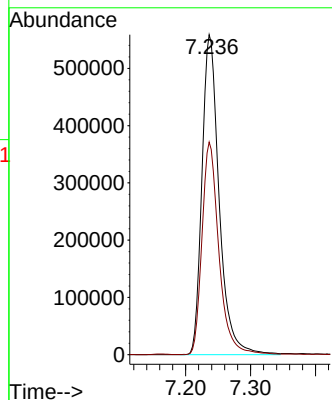
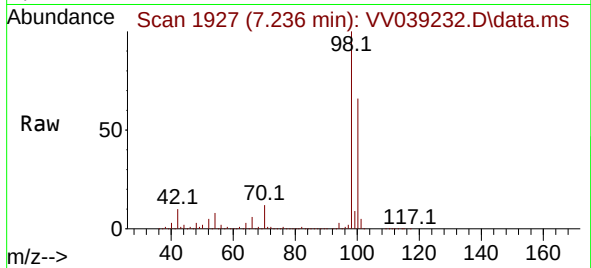




#50
Toluene-d8
Concen: 45.561 ug/l
RT: 7.236 min Scan# 1926
Delta R.T. 0.003 min
Lab File: VV039232.D
Acq: 29 Sep 2025 15:23

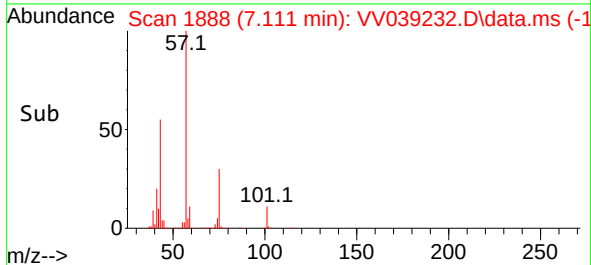
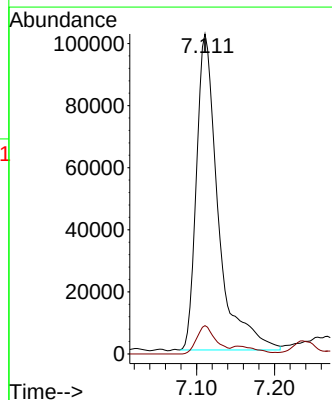
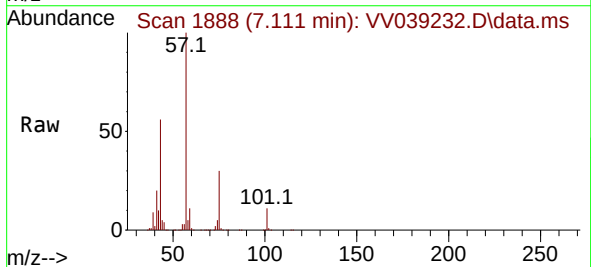
Instrument :
MSVOA_V
ClientSampleId :

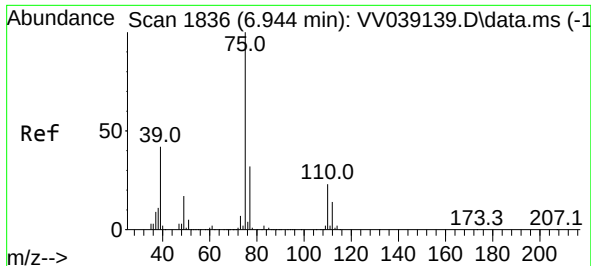
Tgt Ion: 98 Resp: 1029765
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 15.626 ug/l
RT: 7.111 min Scan# 1888
Delta R.T. -0.035 min
Lab File: VV039232.D
Acq: 29 Sep 2025 15:23

Tgt Ion: 43 Resp: 197888
Ion Ratio Lower Upper
43 100
58 7.9 32.3 48.5#

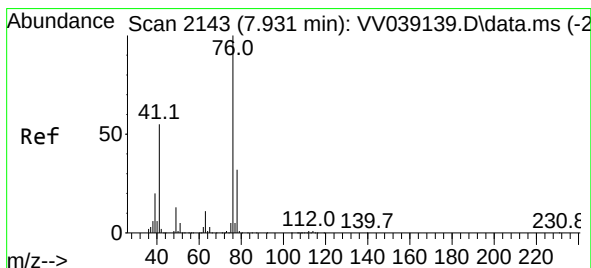
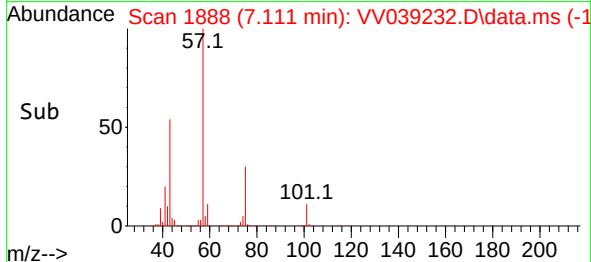
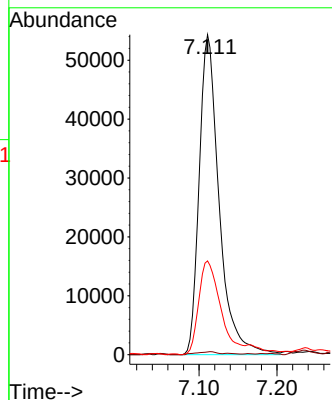
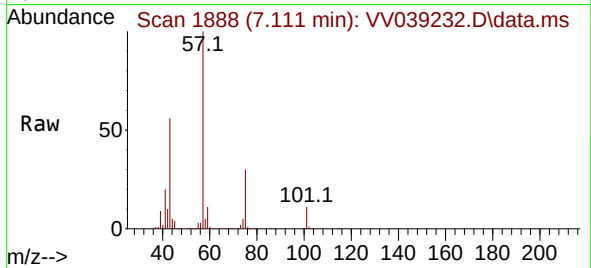




#54
cis-1,3-Dichloropropene
Concen: 6.725 ug/l
RT: 7.111 min Scan# 11
Delta R.T. 0.167 min
Lab File: VV039232.D
Acq: 29 Sep 2025 15:23

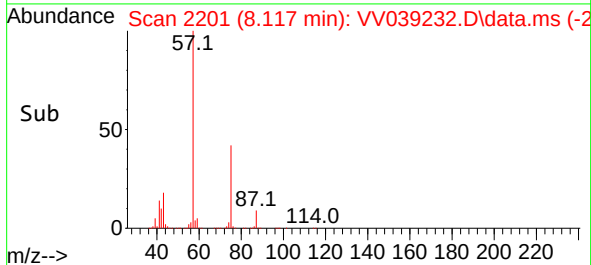
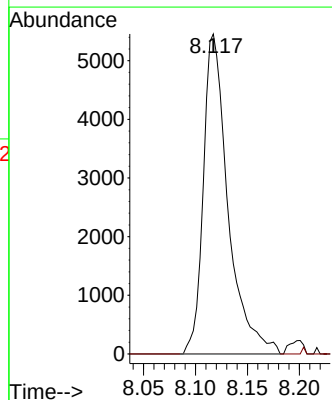
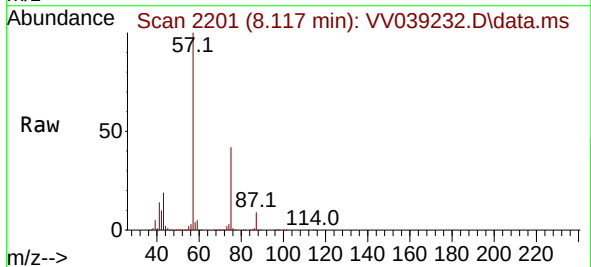
Instrument :
MSVOA_V
ClientSampleId :

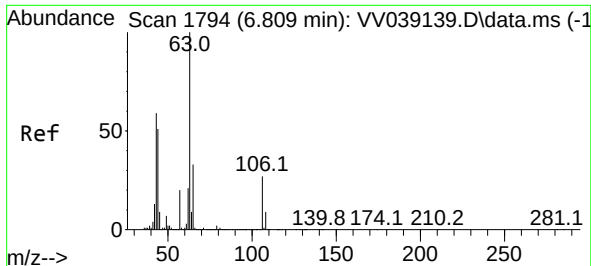
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.8	25.5	38.3#
39	29.3	33.8	50.6#



#57
1,3-Dichloropropane
Concen: 0.581 ug/l
RT: 8.117 min Scan# 2201
Delta R.T. 0.186 min
Lab File: VV039232.D
Acq: 29 Sep 2025 15:23

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.1	39.1#

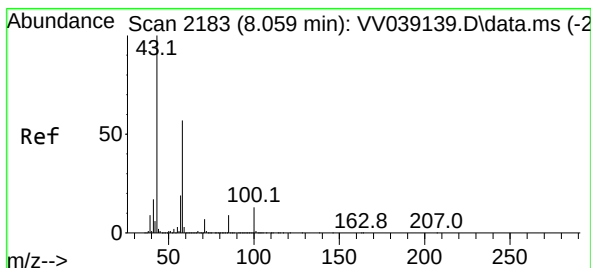
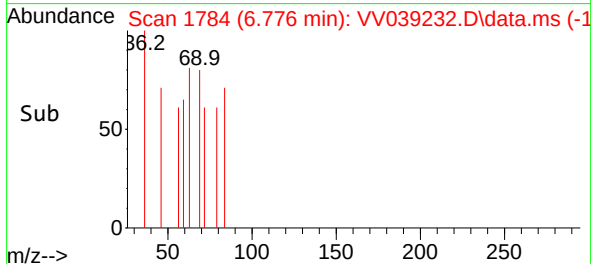
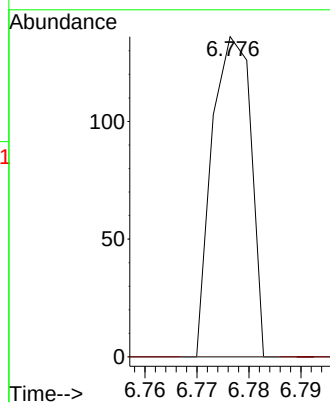
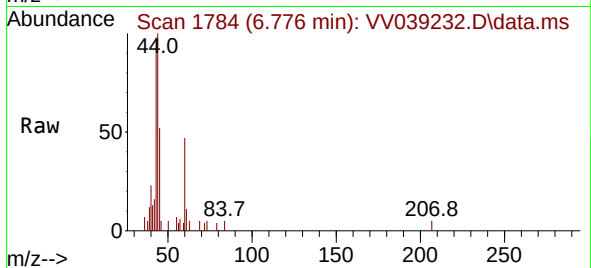




#58
2-Chloroethyl Vinyl ether
Concen: 9.633 ug/l
RT: 6.776 min Scan# 11
Delta R.T. -0.033 min
Lab File: VV039232.D
Acq: 29 Sep 2025 15:23

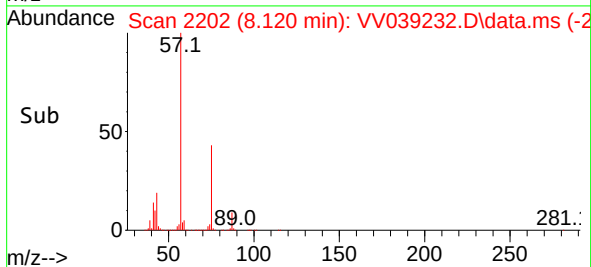
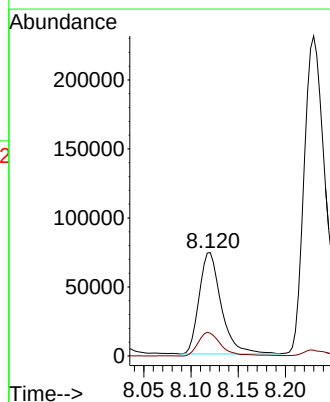
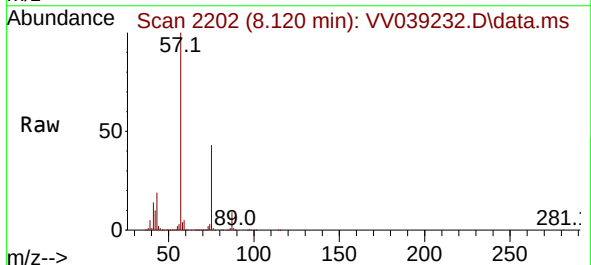
Instrument :
MSVOA_V
ClientSampleId :

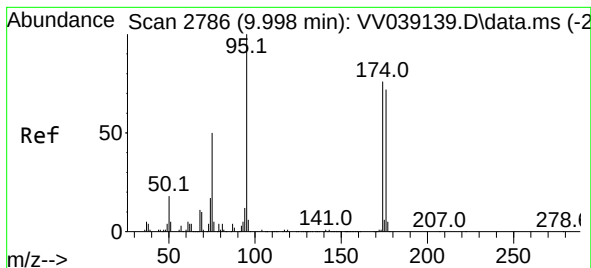
Tgt Ion: 63 Resp: 70
Ion Ratio Lower Upper
63 100
106 0.0 22.1 33.1#



#59
2-Hexanone
Concen: 13.866 ug/l
RT: 8.120 min Scan# 2202
Delta R.T. 0.061 min
Lab File: VV039232.D
Acq: 29 Sep 2025 15:23

Tgt Ion: 43 Resp: 119075
Ion Ratio Lower Upper
43 100
58 24.6 28.3 85.0#





#62

4-Bromofluorobenzene

Concen: 41.650 ug/l

RT: 10.001 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV039232.D

Acq: 29 Sep 2025 15:23

Instrument :

MSVOA_V

ClientSampleId :

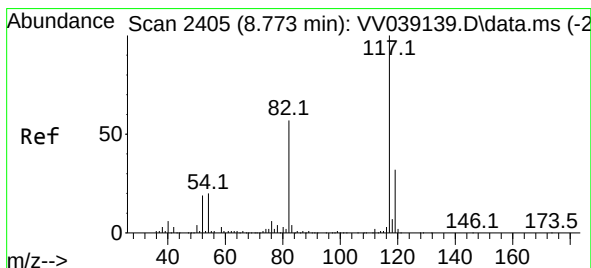
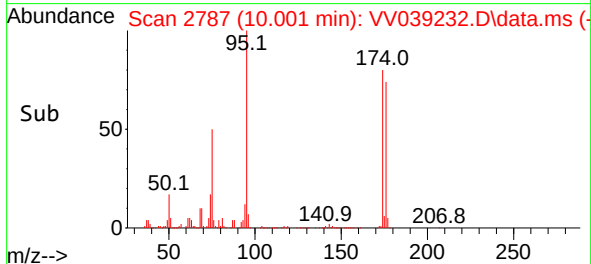
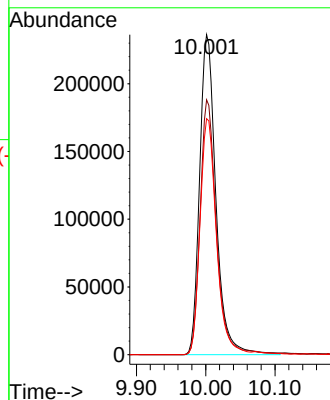
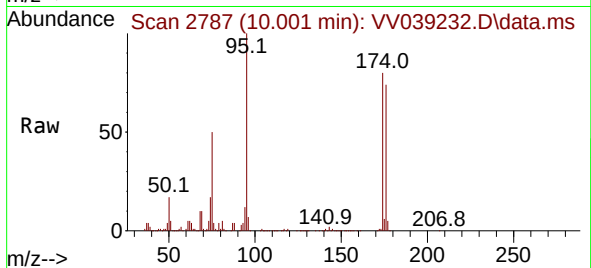
Tgt Ion: 95 Resp: 387535

Ion Ratio Lower Upper

95 100

174 79.5 0.0 150.4

176 74.0 0.0 144.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.776 min Scan# 2406

Delta R.T. 0.003 min

Lab File: VV039232.D

Acq: 29 Sep 2025 15:23

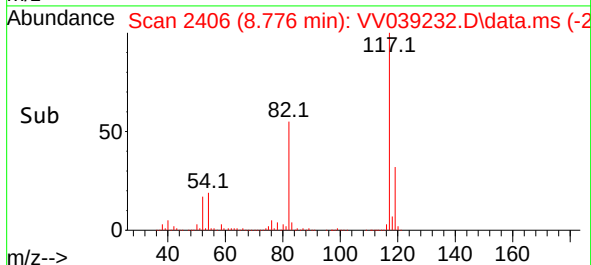
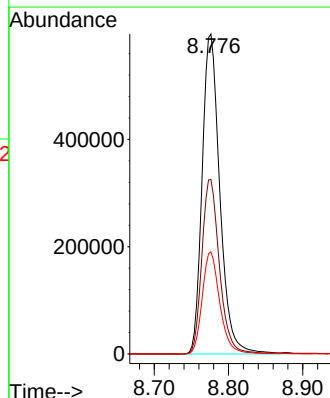
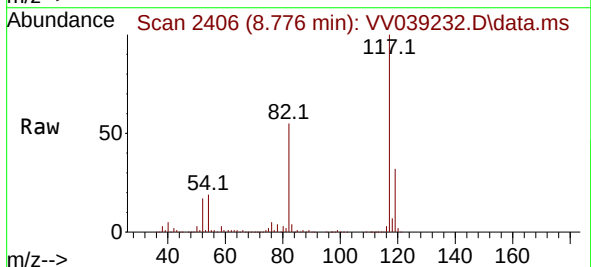
Tgt Ion: 117 Resp: 989121

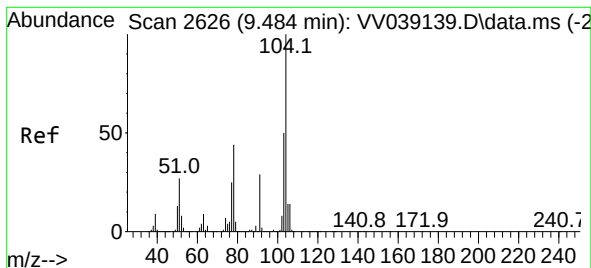
Ion Ratio Lower Upper

117 100

82 54.6 45.4 68.2

119 31.9 25.6 38.4





#70

Styrene

Concen: 1.568 ug/l

RT: 9.535 min Scan# 2

Delta R.T. 0.051 min

Lab File: VV039232.D

Acq: 29 Sep 2025 15:23

Instrument :

MSVOA_V

ClientSampleId :

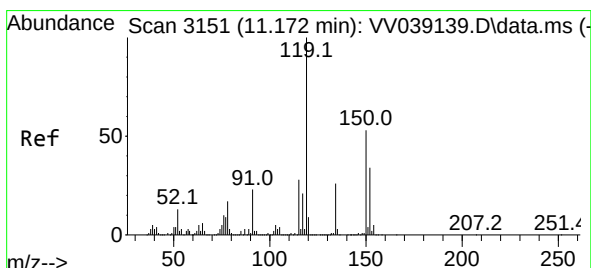
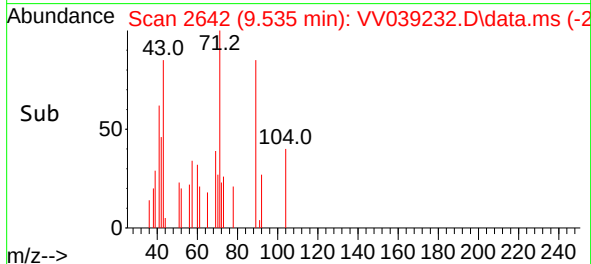
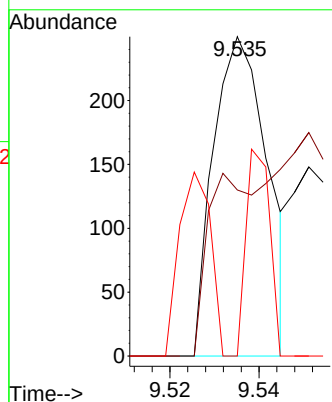
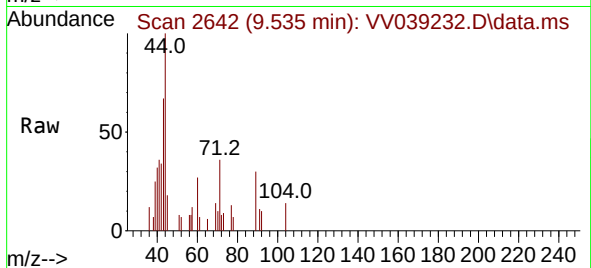
Tgt Ion:104 Resp: 211

Ion Ratio Lower Upper

104 100

78 46.9 39.8 59.6

103 28.4 43.4 65.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VV039232.D

Acq: 29 Sep 2025 15:23

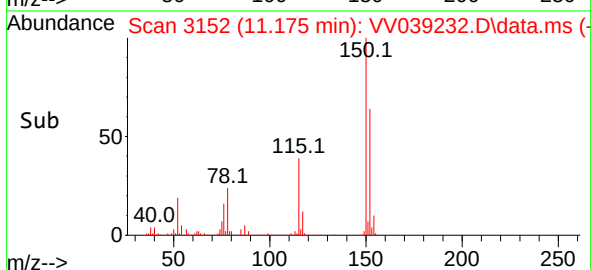
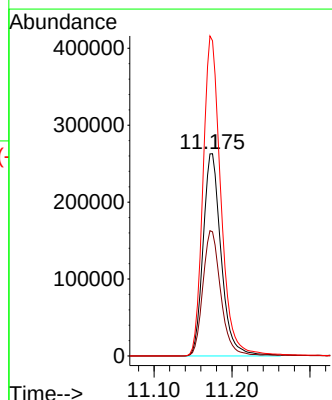
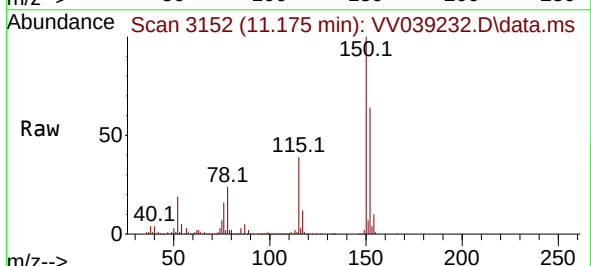
Tgt Ion:152 Resp: 422598

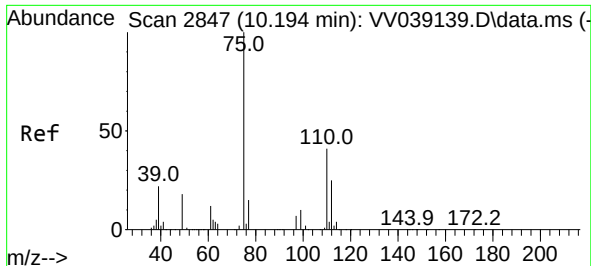
Ion Ratio Lower Upper

152 100

115 61.3 44.8 134.4

150 157.5 0.0 353.8

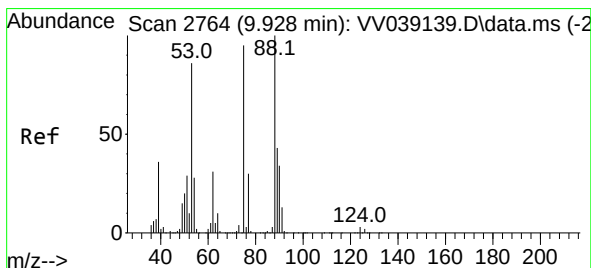
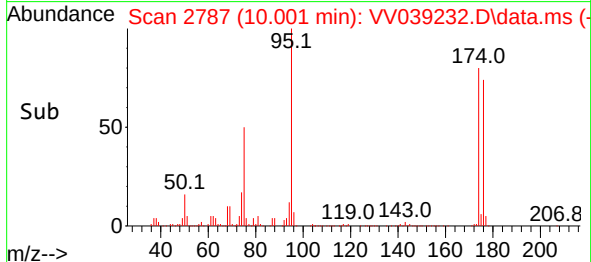
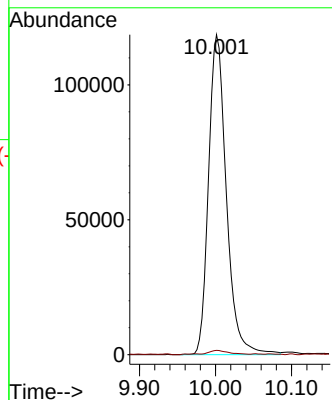
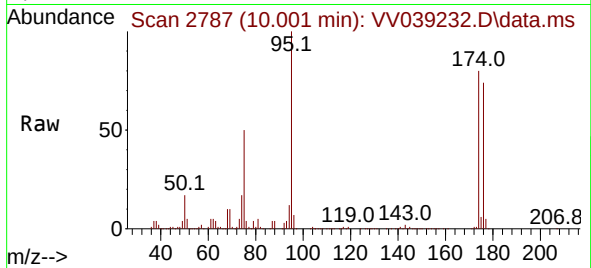




#76
1,2,3-Trichloropropane
Concen: 20.077 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.193 min
Lab File: VV039232.D
Acq: 29 Sep 2025 15:23

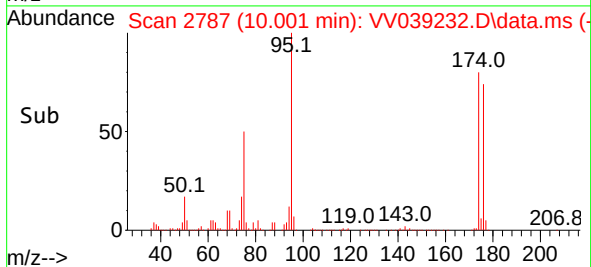
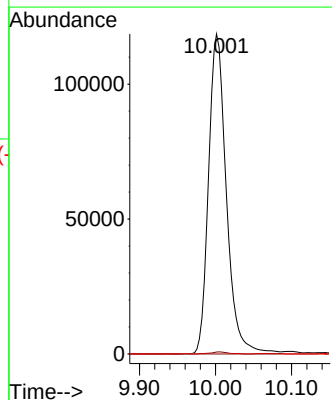
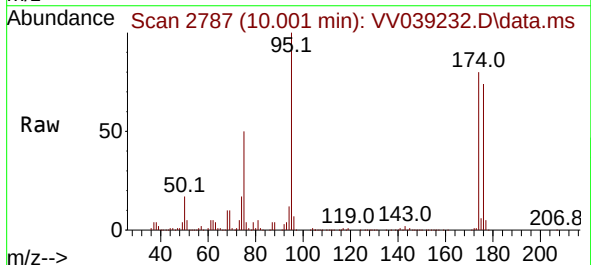
Instrument :
MSVOA_V
ClientSampleId :

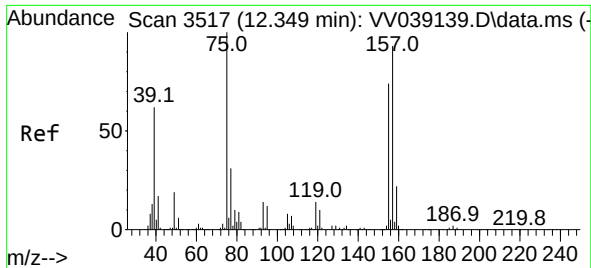
Tgt Ion: 75 Resp: 193182
Ion Ratio Lower Upper
75 100
77 1.3 11.3 33.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 48.200 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.074 min
Lab File: VV039232.D
Acq: 29 Sep 2025 15:23

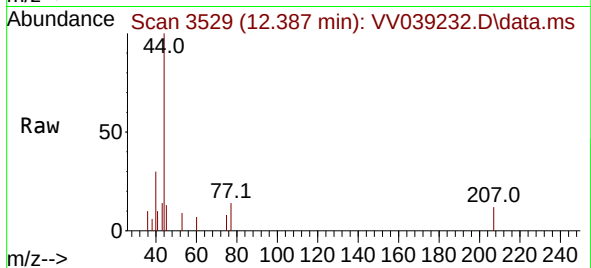
Tgt Ion: 75 Resp: 193182
Ion Ratio Lower Upper
75 100
53 0.6 72.5 108.7#
89 0.0 37.2 55.8#





#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 12.387 min Scan# 31
Delta R.T. 0.038 min
Lab File: VV039232.D
Acq: 29 Sep 2025 15:23

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 75 Resp: 77
Ion Ratio Lower Upper
75 100
155 0.0 38.6 115.8#
157 0.0 49.5 148.3#

