

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082525\
 Data File : VV039029.D
 Acq On : 25 Aug 2025 13:22
 Operator : SY/MD
 Sample : VV0825WBL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0825WBL01

Quant Time: Aug 26 03:31:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082525W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 26 02:37:06 2025
 Response via : Initial Calibration

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

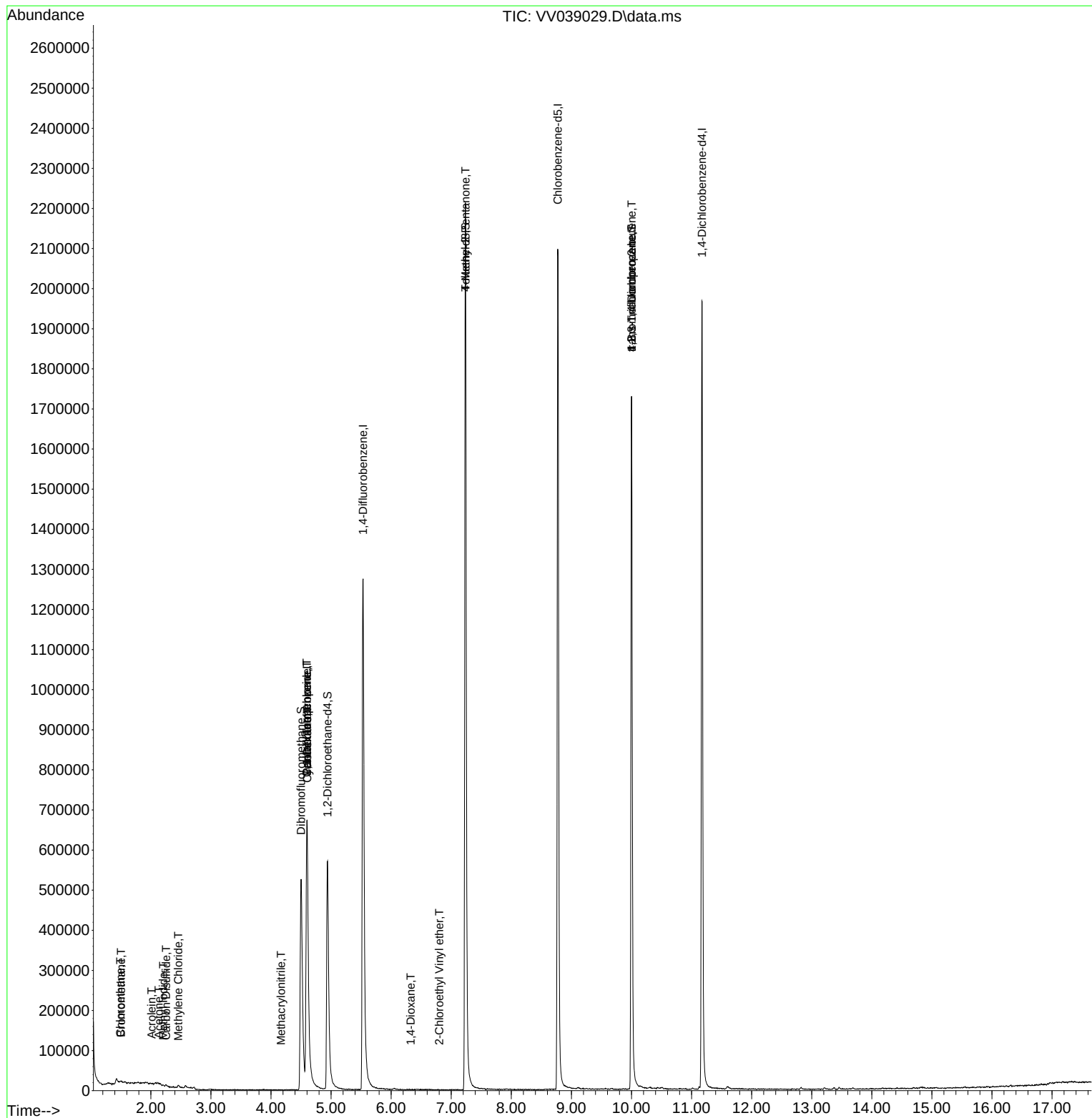
Internal Standards						
1) Pentafluorobenzene	4.600	168	591264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1245791	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1187942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	517611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	508050	59.575	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	119.140%#
35) Dibromofluoromethane	4.500	113	444970	49.597	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	99.200%
50) Toluene-d8	7.236	98	1534918	48.320	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	96.640%
62) 4-Bromofluorobenzene	10.001	95	574708	49.376	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	98.760%
Target Compounds						
						Qvalue
5) Bromomethane	1.503	94	1481	0.300	ug/l	81
6) Chloroethane	1.490	64	2249	0.377	ug/l #	70
10) Methyl Iodide	2.204	142	4366	5.609	ug/l	90
13) Acrolein	2.011	56	451	0.653	ug/l #	51
16) Acetone	2.130	43	3676	0.682	ug/l #	87
17) Carbon Disulfide	2.253	76	7685	0.339	ug/l #	71
20) Methylene Chloride	2.458	84	2636	0.300	ug/l	87
28) Bromochloromethane	4.095	49	40	Below Cal	#	11
31) Cyclohexane	4.603	56	12564	0.969	ug/l #	1
36) 1,1-Dichloropropene	4.600	75	46906	3.890	ug/l #	50
38) Carbon Tetrachloride	4.596	117	60940	4.221	ug/l #	17
41) Methacrylonitrile	4.169	41	86	1.166	ug/l #	38
49) 1,4-Dioxane	6.326	88	51	0.307	ug/l #	14
51) 4-Methyl-2-Pentanone	7.236	43	4836	0.341	ug/l #	1
58) 2-Chloroethyl Vinyl ether	6.802	63	69	7.620	ug/l #	47
76) 1,2,3-Trichloropropane	10.001	75	292076	28.746	ug/l #	54
81) trans-1,4-Dichloro-2-b...	10.001	75	292076	63.218	ug/l #	14

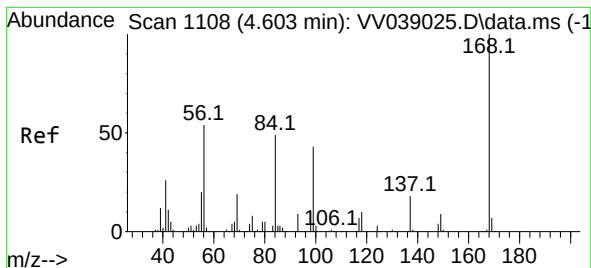
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 1108

Delta R.T. -0.003 min

Lab File: VV039029.D

Acq: 25 Aug 2025 13:22

Instrument :

MSVOA_V

ClientSampleId :

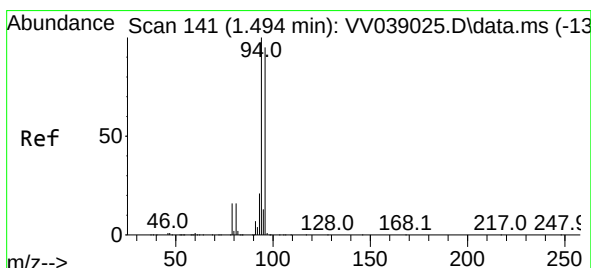
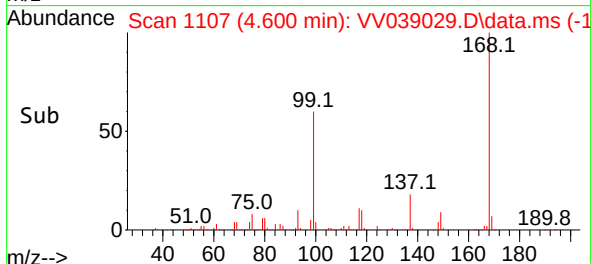
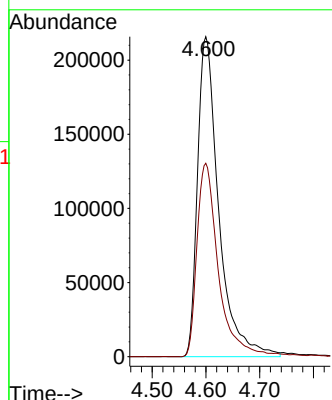
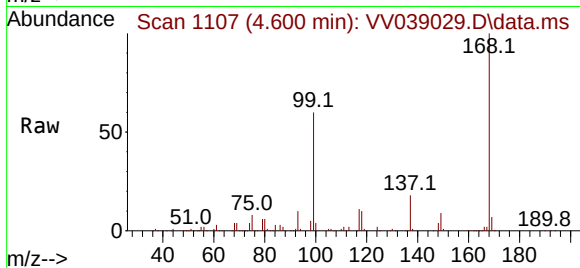
VV0825WBL01

Tgt Ion:168 Resp: 591264

Ion Ratio Lower Upper

168 100

99 60.5 47.8 71.8



#5

Bromomethane

Concen: 0.300 ug/l

RT: 1.503 min Scan# 144

Delta R.T. 0.010 min

Lab File: VV039029.D

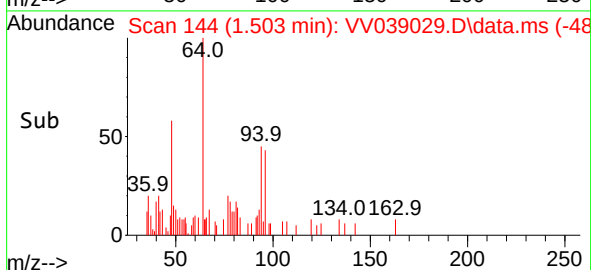
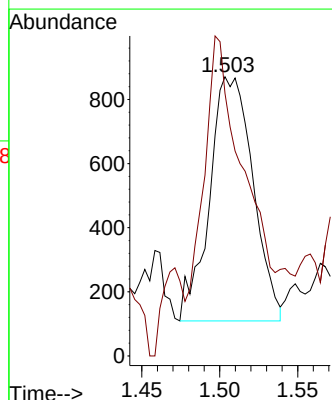
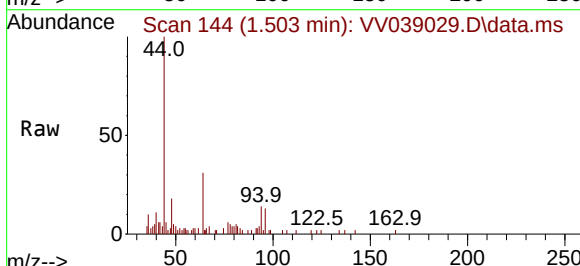
Acq: 25 Aug 2025 13:22

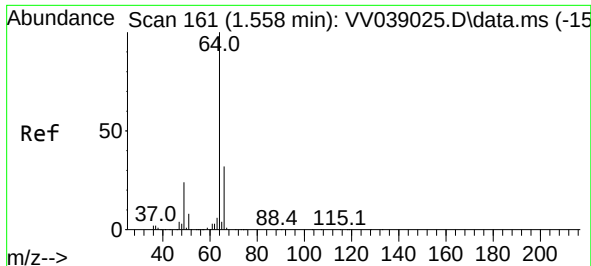
Tgt Ion: 94 Resp: 1481

Ion Ratio Lower Upper

94 100

96 76.8 76.2 114.2

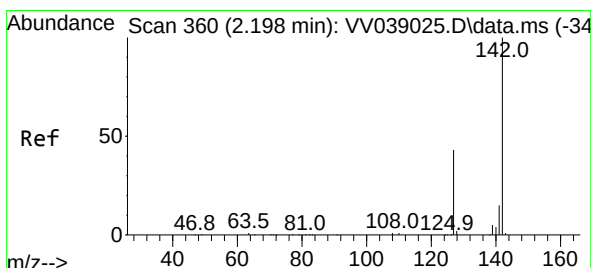
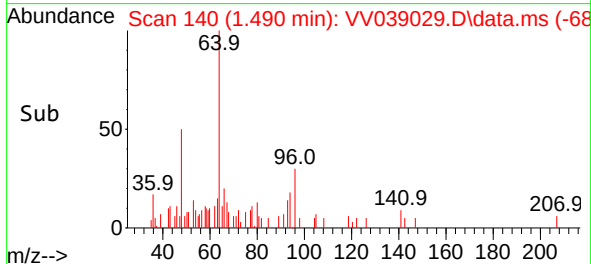
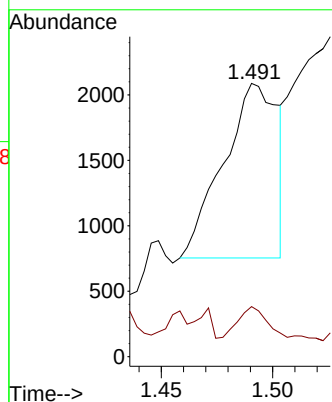
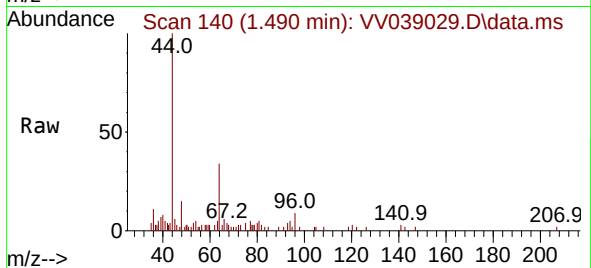




#6
Chloroethane
Concen: 0.377 ug/l
RT: 1.490 min Scan# 14
Delta R.T. -0.067 min
Lab File: VV039029.D
Acq: 25 Aug 2025 13:22

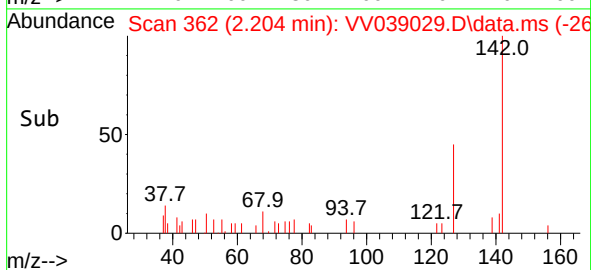
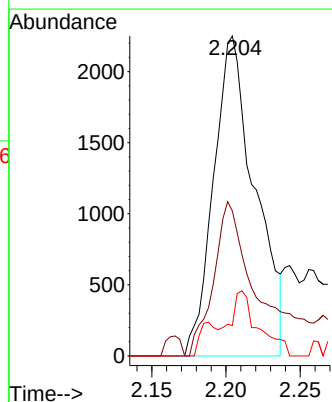
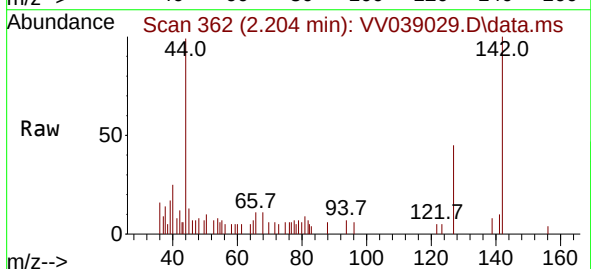
Instrument :
MSVOA_V
ClientSampleId :
VV0825WBL01

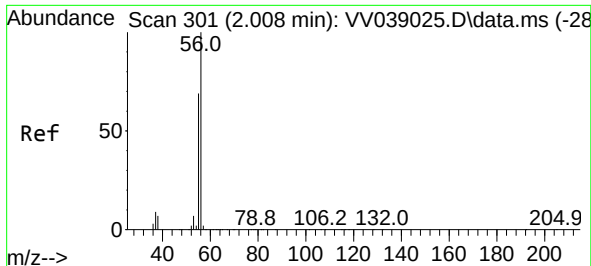
Tgt Ion: 64 Resp: 2249
Ion Ratio Lower Upper
64 100
66 15.2 25.4 38.2#



#10
Methyl Iodide
Concen: 5.609 ug/l
RT: 2.204 min Scan# 362
Delta R.T. 0.006 min
Lab File: VV039029.D
Acq: 25 Aug 2025 13:22

Tgt Ion: 142 Resp: 4366
Ion Ratio Lower Upper
142 100
127 52.7 35.7 53.5
141 13.1 11.6 17.4

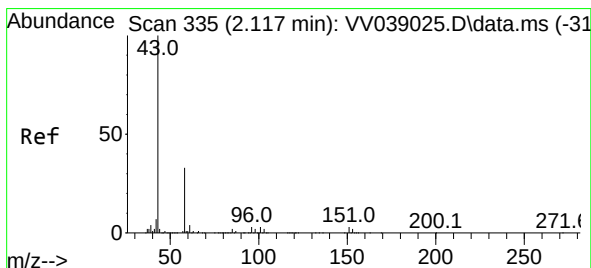
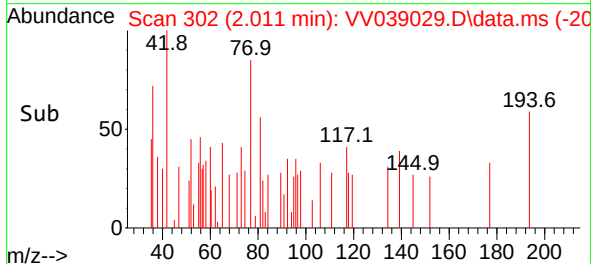
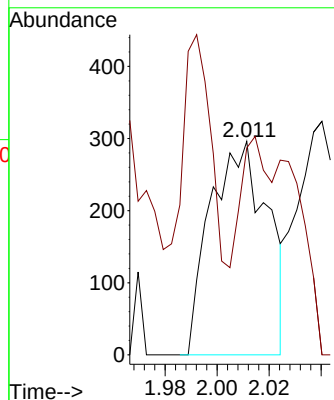
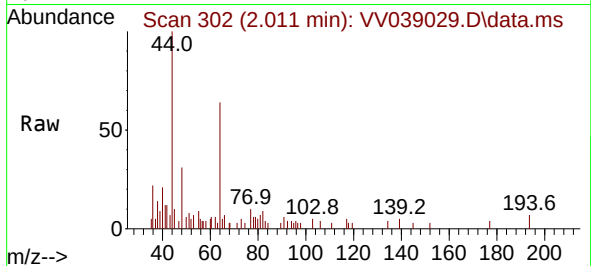




#13
Acrolein
Concen: 0.653 ug/l
RT: 2.011 min Scan# 301
Delta R.T. 0.003 min
Lab File: VV039029.D
Acq: 25 Aug 2025 13:22

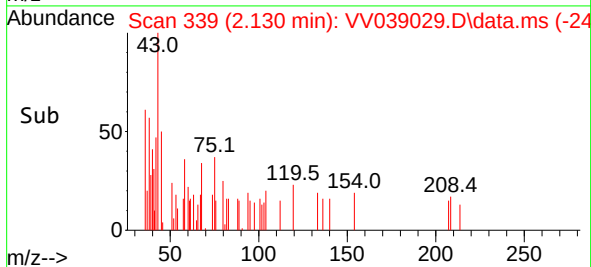
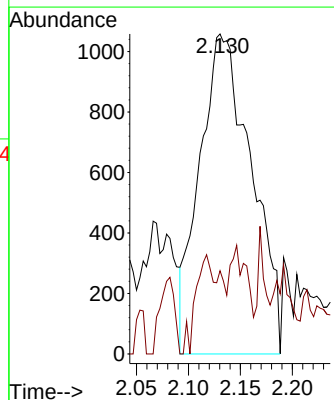
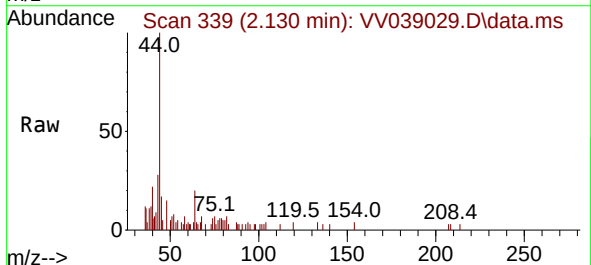
Instrument :
MSVOA_V
ClientSampleId :
VV0825WBL01

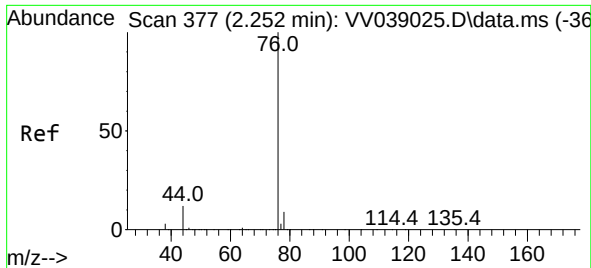
Tgt Ion: 56 Resp: 451
Ion Ratio Lower Upper
56 100
55 29.0 54.7 82.1#



#16
Acetone
Concen: 0.682 ug/l
RT: 2.130 min Scan# 339
Delta R.T. 0.013 min
Lab File: VV039029.D
Acq: 25 Aug 2025 13:22

Tgt Ion: 43 Resp: 3676
Ion Ratio Lower Upper
43 100
58 26.0 26.6 40.0#

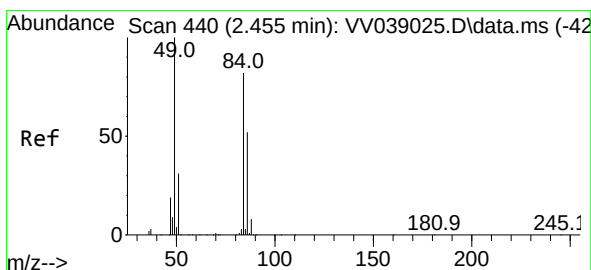
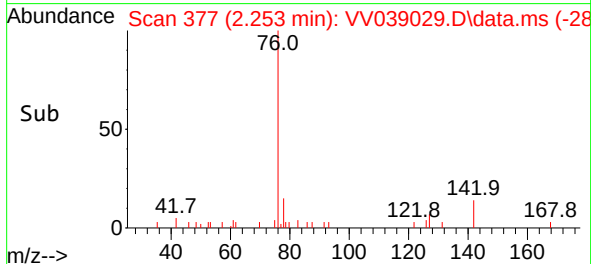
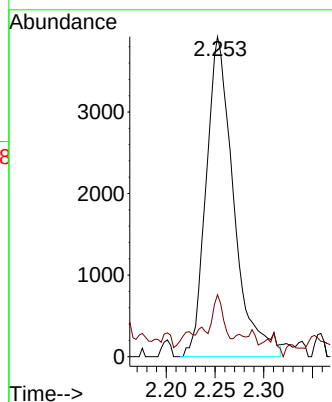
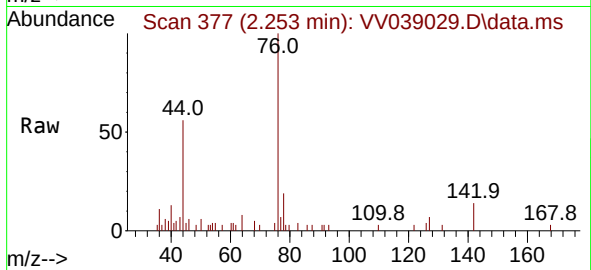




#17
Carbon Disulfide
Concen: 0.339 ug/l
RT: 2.253 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV039029.D
Acq: 25 Aug 2025 13:22

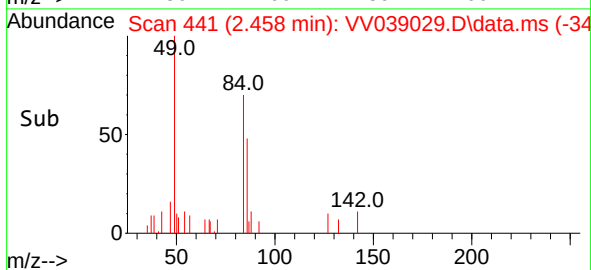
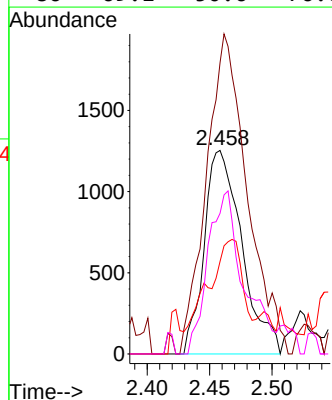
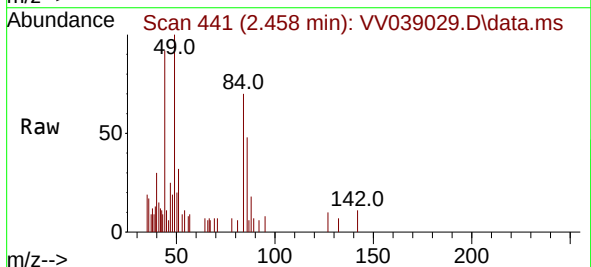
Instrument :
MSVOA_V
ClientSampleId :
VV0825WBL01

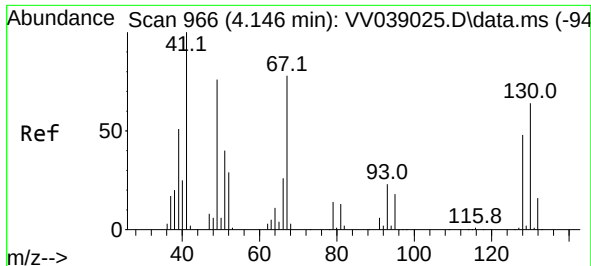
Tgt Ion: 76 Resp: 7685
Ion Ratio Lower Upper
76 100
78 19.4 7.2 10.8#



#20
Methylene Chloride
Concen: 0.300 ug/l
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039029.D
Acq: 25 Aug 2025 13:22

Tgt Ion: 84 Resp: 2636
Ion Ratio Lower Upper
84 100
49 143.1 97.8 146.8
51 34.0 30.3 45.5
86 69.1 50.6 76.0

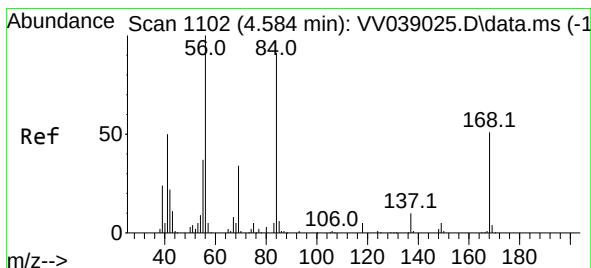
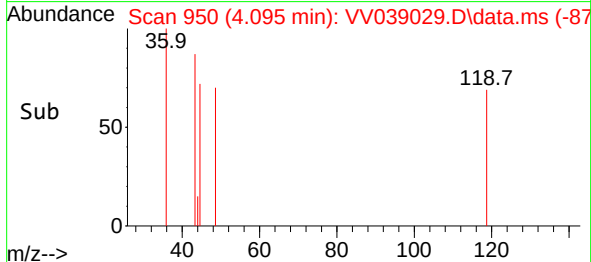
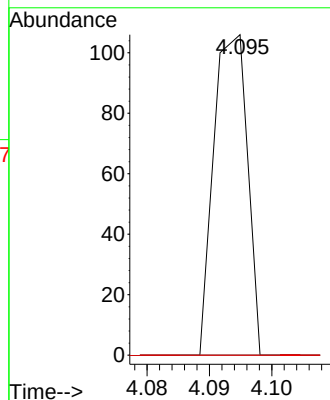
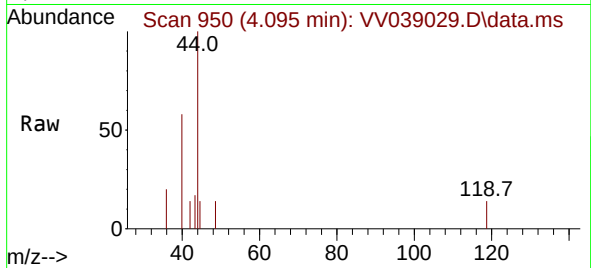




#28
Bromochloromethane
Concen: Below Cal
RT: 4.095 min Scan# 91
Delta R.T. -0.051 min
Lab File: VV039029.D
Acq: 25 Aug 2025 13:22

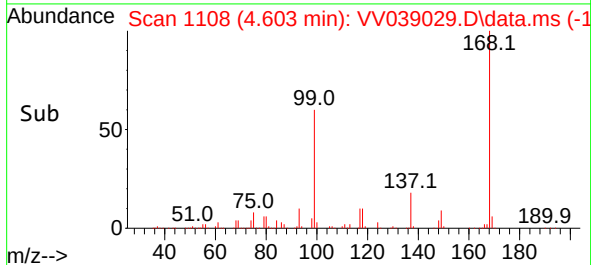
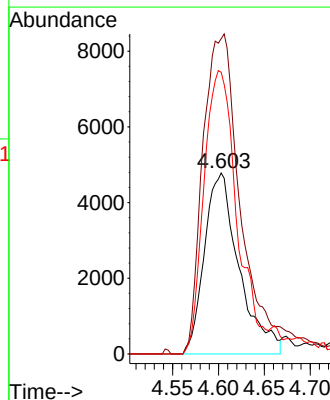
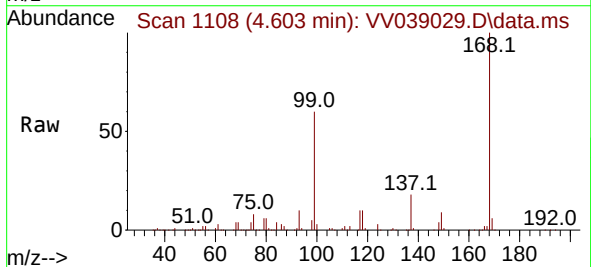
Instrument :
MSVOA_V
ClientSampleId :
VV0825WBL01

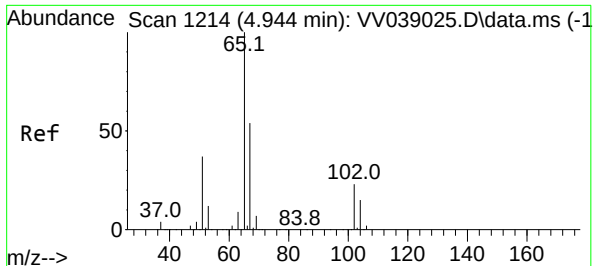
Tgt Ion: 49 Resp: 40
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 64.9 97.3#



#31
Cyclohexane
Concen: 0.969 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. 0.019 min
Lab File: VV039029.D
Acq: 25 Aug 2025 13:22

Tgt Ion: 56 Resp: 12564
Ion Ratio Lower Upper
56 100
69 174.2 27.0 40.4#
84 155.7 72.9 109.3#





#33

1,2-Dichloroethane-d4

Concen: 59.575 ug/l

RT: 4.941 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV039029.D

Acq: 25 Aug 2025 13:22

Instrument :

MSVOA_V

ClientSampleId :

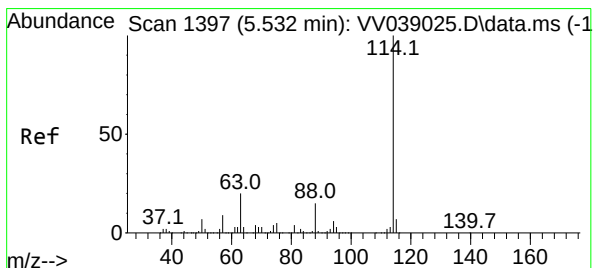
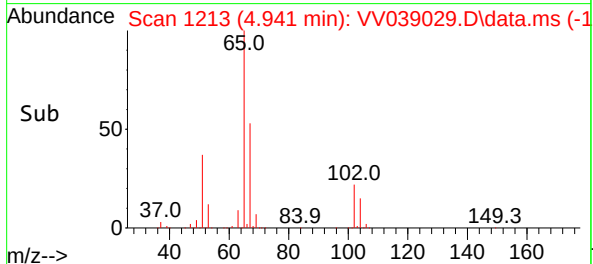
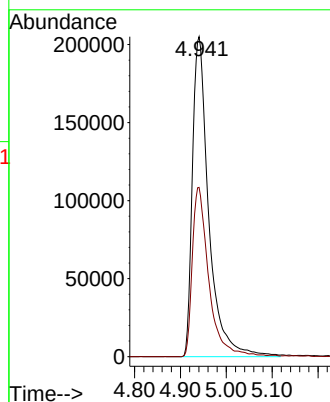
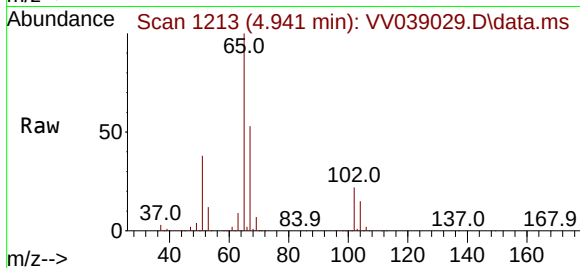
VV0825WBL01

Tgt Ion: 65 Resp: 508050

Ion Ratio Lower Upper

65 100

67 52.7 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VV039029.D

Acq: 25 Aug 2025 13:22

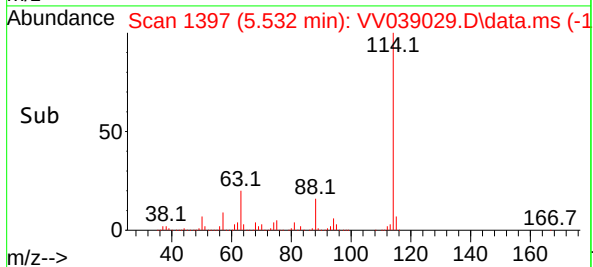
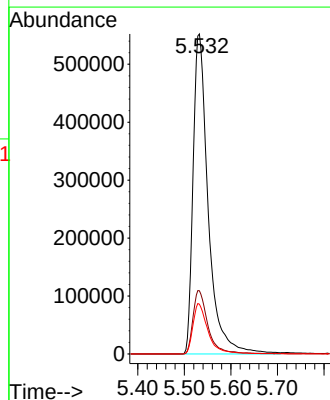
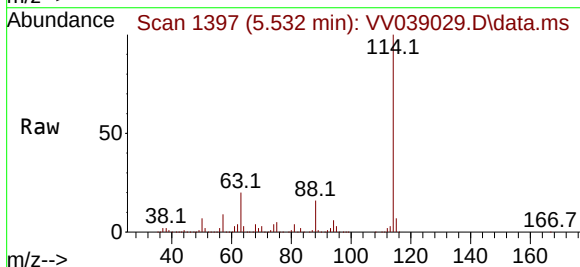
Tgt Ion: 114 Resp: 1245791

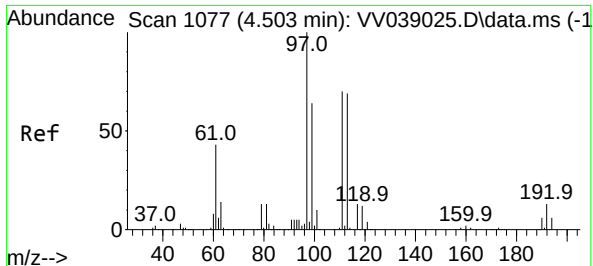
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.4

88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.597 ug/l

RT: 4.500 min Scan# 1107

Delta R.T. -0.003 min

Lab File: VV039029.D

Acq: 25 Aug 2025 13:22

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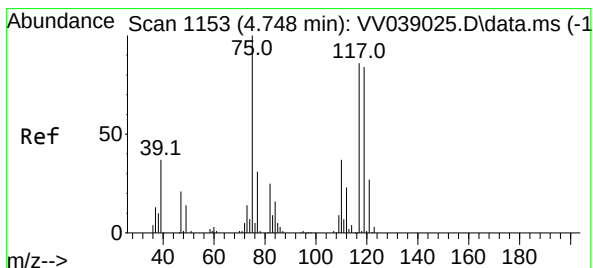
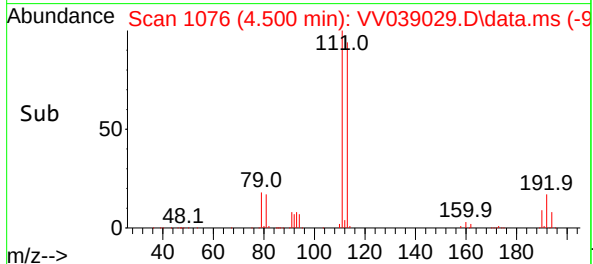
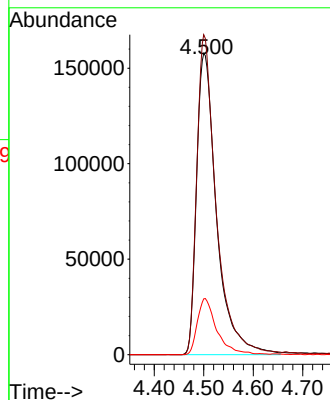
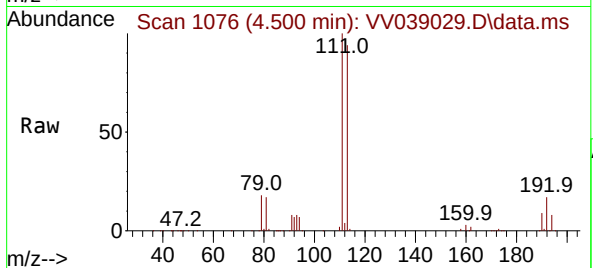
Tgt Ion:113 Resp: 444970

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.2

192 18.0 14.2 21.2



#36

1,1-Dichloropropene

Concen: 3.890 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.148 min

Lab File: VV039029.D

Acq: 25 Aug 2025 13:22

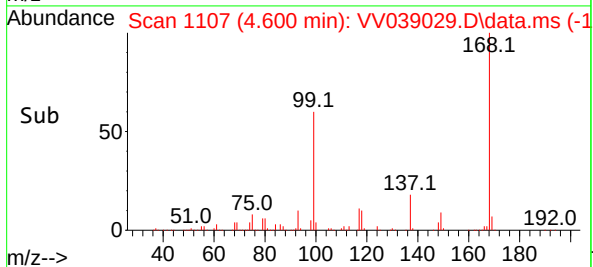
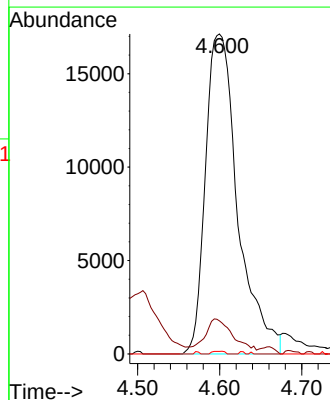
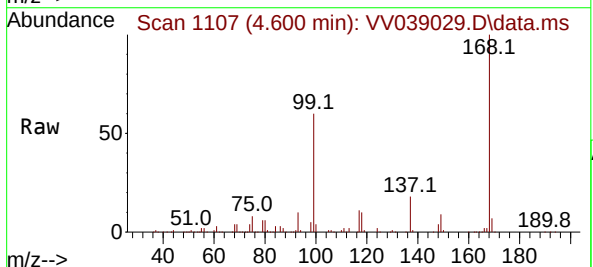
Tgt Ion: 75 Resp: 46906

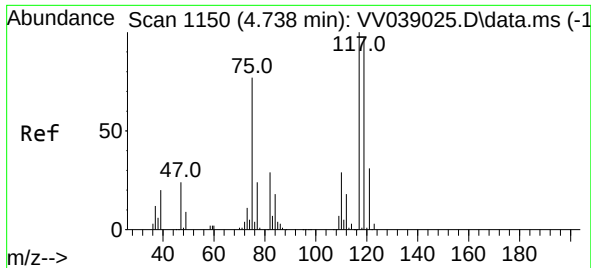
Ion Ratio Lower Upper

75 100

110 10.0 18.6 55.8#

77 0.3 24.6 36.8#

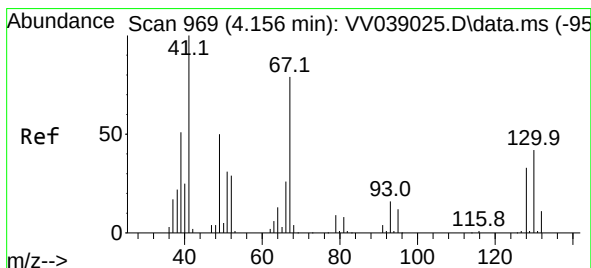
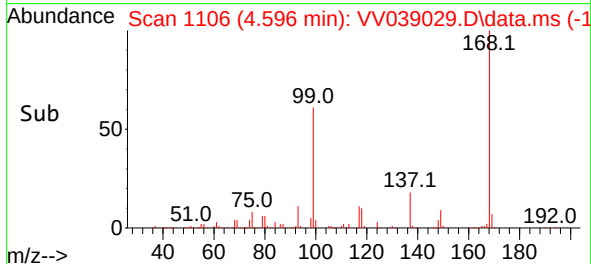
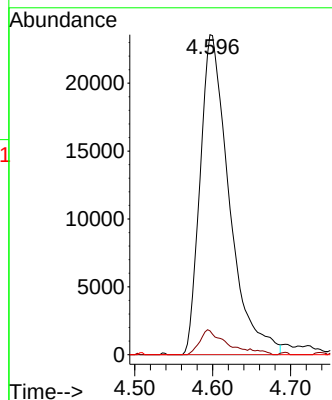
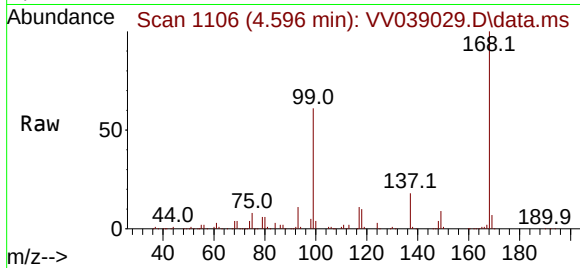




#38
Carbon Tetrachloride
Concen: 4.221 ug/l
RT: 4.596 min Scan# 1150
Delta R.T. -0.141 min
Lab File: VV039029.D
Acq: 25 Aug 2025 13:22

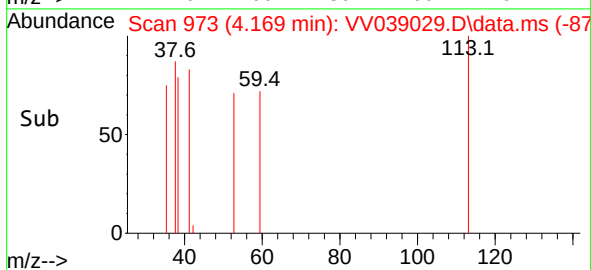
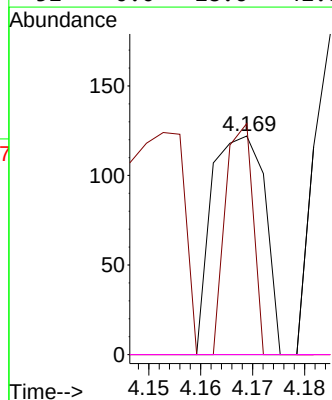
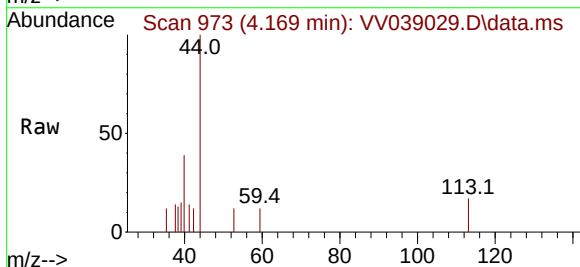
Instrument :
MSVOA_V
ClientSampleId :
VV0825WBL01

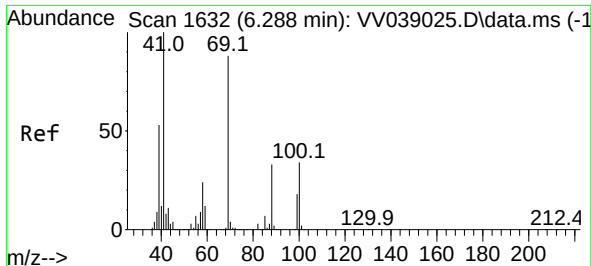
Tgt Ion:117 Resp: 60940
Ion Ratio Lower Upper
117 100
119 7.5 77.8 116.6#
121 0.0 24.9 37.3#



#41
Methacrylonitrile
Concen: 1.166 ug/l
RT: 4.169 min Scan# 973
Delta R.T. 0.013 min
Lab File: VV039029.D
Acq: 25 Aug 2025 13:22

Tgt Ion: 41 Resp: 86
Ion Ratio Lower Upper
41 100
39 54.7 42.7 64.1
67 0.0 74.5 111.7#
52 0.0 28.6 42.8#





#49

1,4-Dioxane

Concen: 0.307 ug/l

RT: 6.326 min Scan# 1

Delta R.T. 0.039 min

Lab File: VV039029.D

Acq: 25 Aug 2025 13:22

Instrument :

MSVOA_V

ClientSampleId :

VV0825WBL01

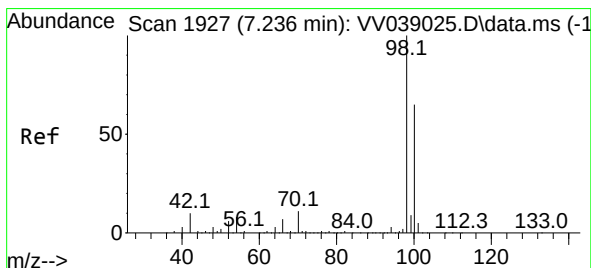
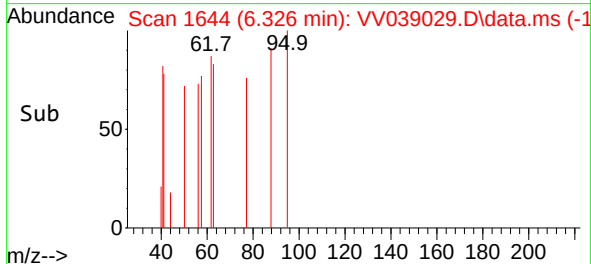
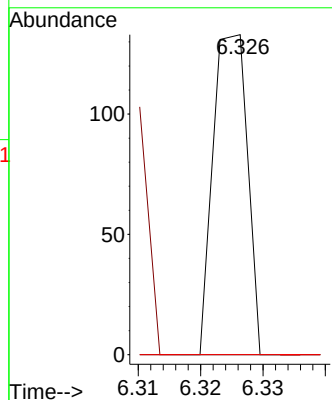
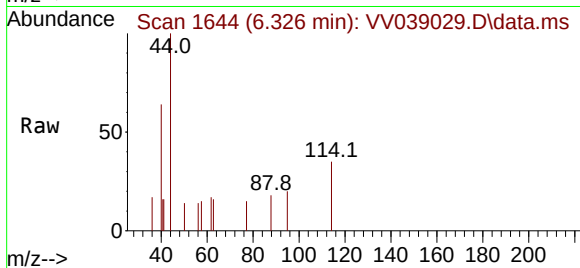
Tgt Ion: 88 Resp: 51

Ion Ratio Lower Upper

88 100

43 78.4 25.4 38.2#

58 0.0 58.4 87.6#



#50

Toluene-d8

Concen: 48.320 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.000 min

Lab File: VV039029.D

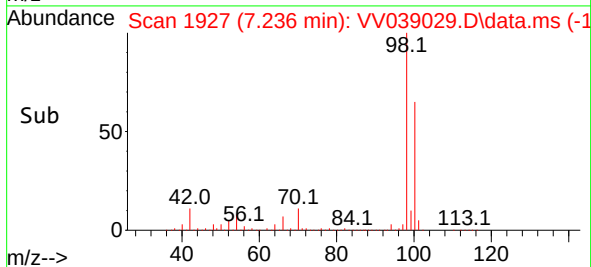
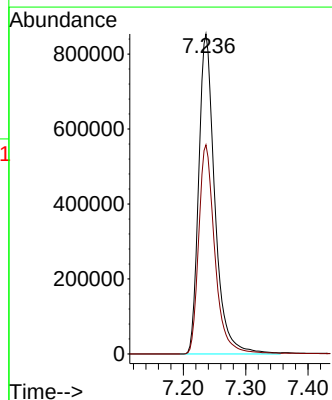
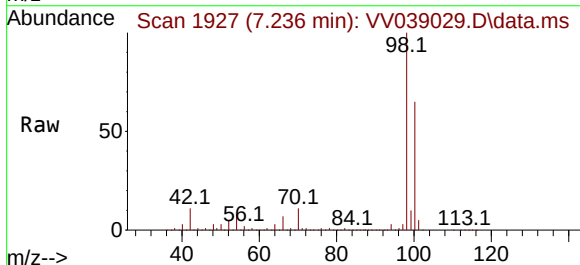
Acq: 25 Aug 2025 13:22

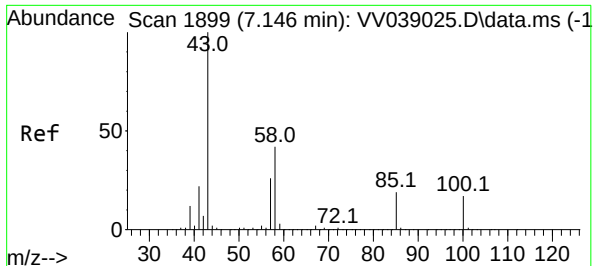
Tgt Ion: 98 Resp: 1534918

Ion Ratio Lower Upper

98 100

100 65.4 52.6 79.0

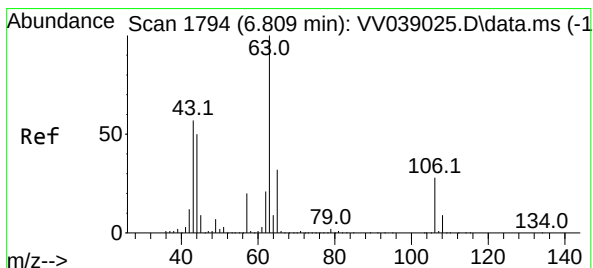
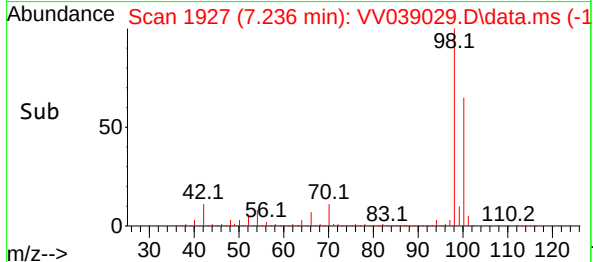
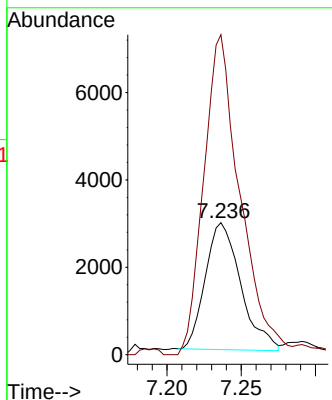
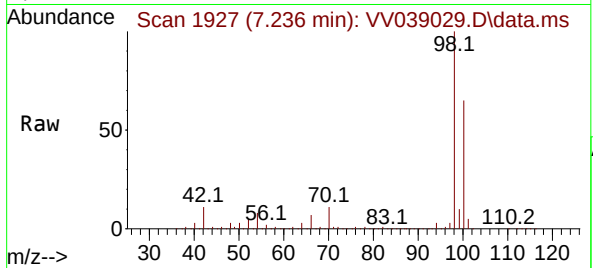




#51
4-Methyl-2-Pentanone
Concen: 0.341 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.090 min
Lab File: VV039029.D
Acq: 25 Aug 2025 13:22

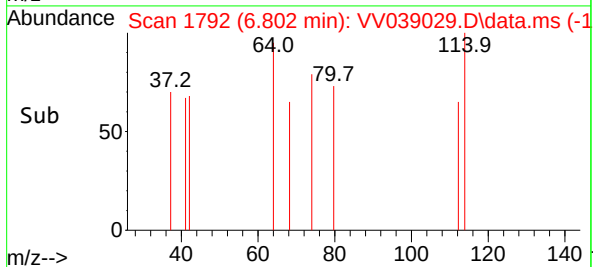
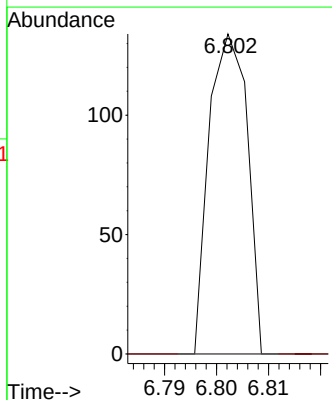
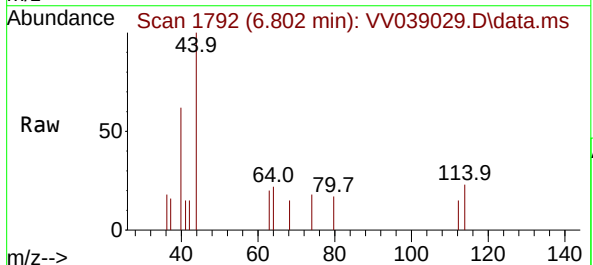
Instrument :
MSVOA_V
ClientSampleId :
VV0825WBL01

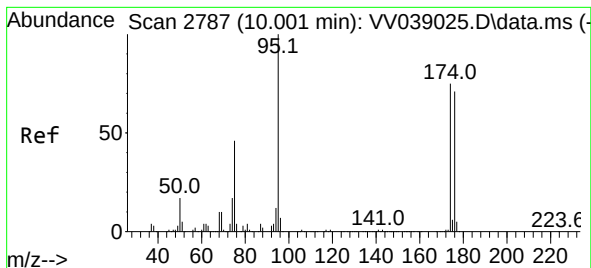
Tgt Ion: 43 Resp: 4836
Ion Ratio Lower Upper
43 100
58 257.9 33.2 49.8#



#58
2-Chloroethyl Vinyl ether
Concen: 7.620 ug/l
RT: 6.802 min Scan# 1792
Delta R.T. -0.007 min
Lab File: VV039029.D
Acq: 25 Aug 2025 13:22

Tgt Ion: 63 Resp: 69
Ion Ratio Lower Upper
63 100
106 0.0 22.3 33.5#

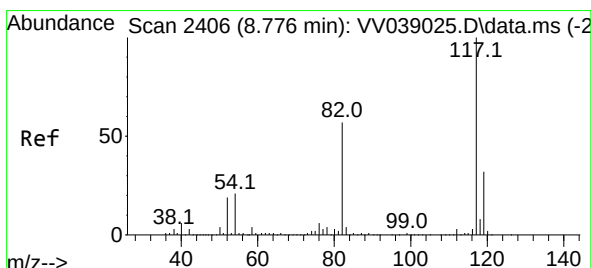
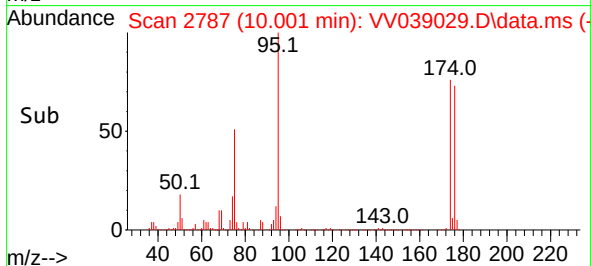
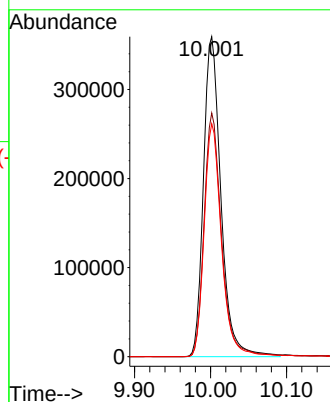
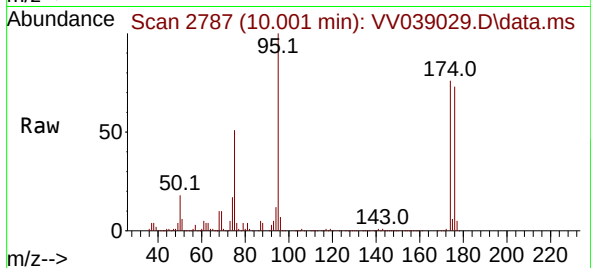




#62
4-Bromofluorobenzene
Concen: 49.376 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039029.D
Acq: 25 Aug 2025 13:22

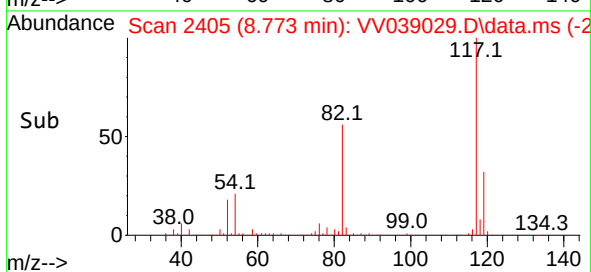
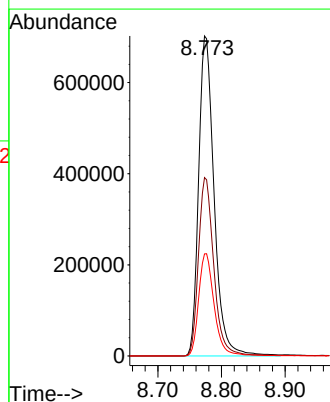
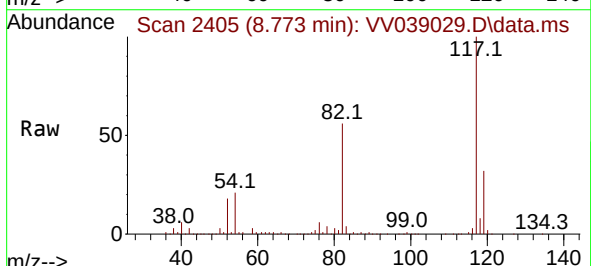
Instrument :
MSVOA_V
ClientSampleId :
VV0825WBL01

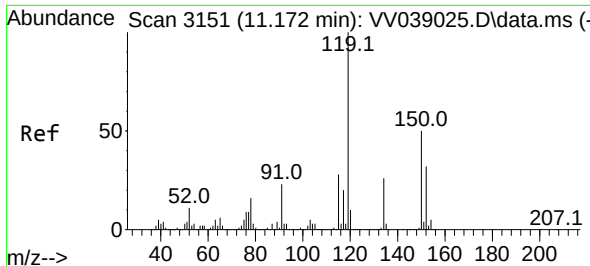
Tgt Ion: 95 Resp: 574708
Ion Ratio Lower Upper
95 100
174 76.1 0.0 150.4
176 72.4 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039029.D
Acq: 25 Aug 2025 13:22

Tgt Ion: 117 Resp: 1187942
Ion Ratio Lower Upper
117 100
82 55.8 45.6 68.4
119 31.9 25.4 38.0

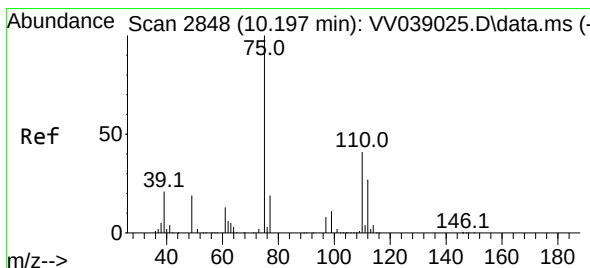
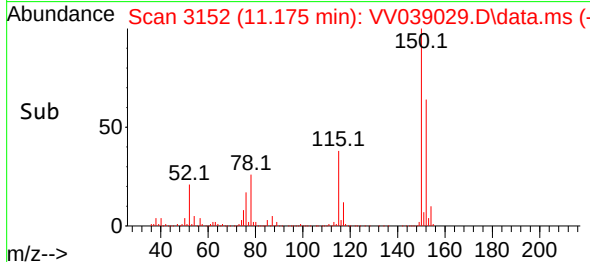
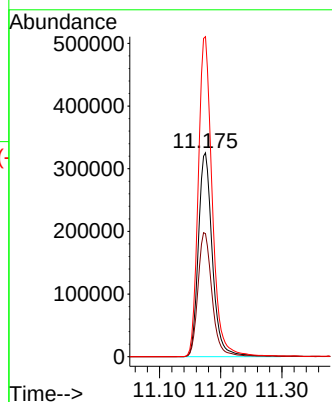
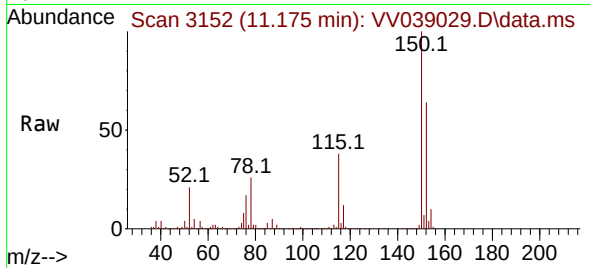




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.175 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VV039029.D
 Acq: 25 Aug 2025 13:22

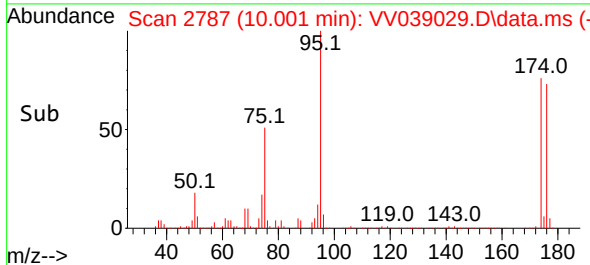
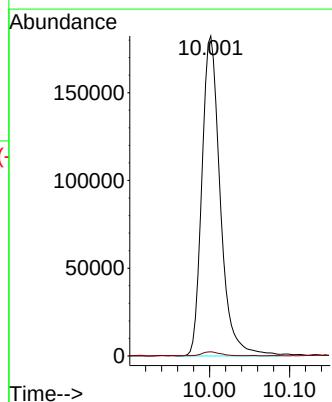
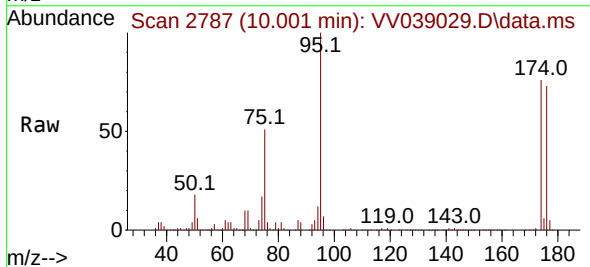
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0825WBL01

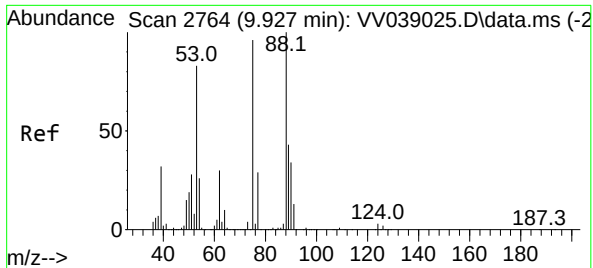
Tgt Ion:152 Resp: 517611
 Ion Ratio Lower Upper
 152 100
 115 61.4 44.0 132.1
 150 156.9 0.0 352.2



#76
 1,2,3-Trichloropropane
 Concen: 28.746 ug/l
 RT: 10.001 min Scan# 2787
 Delta R.T. -0.196 min
 Lab File: VV039029.D
 Acq: 25 Aug 2025 13:22

Tgt Ion: 75 Resp: 292076
 Ion Ratio Lower Upper
 75 100
 77 1.2 11.9 35.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 63.218 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.074 min
Lab File: VV039029.D
Acq: 25 Aug 2025 13:22

Instrument :
MSVOA_V
ClientSampleId :
VV0825WBL01

Tgt Ion: 75 Resp: 292076
Ion Ratio Lower Upper
75 100
53 0.3 70.2 105.4#
89 0.0 36.5 54.7#

