

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022600.D
 Acq On : 06 Jun 2025 15:13
 Operator : SY/MD
 Sample : Q2207-20
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

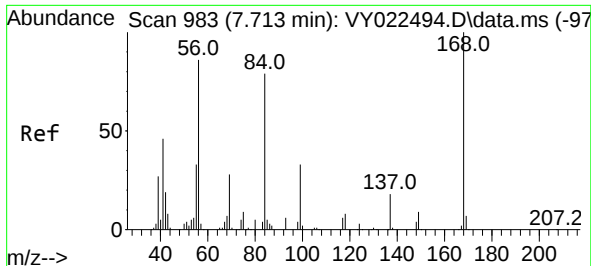
Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-03

Quant Time: Jun 06 23:44:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	311312	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	568187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	444635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	161564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	157711	45.295	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.600%
35) Dibromofluoromethane	7.628	113	166642	49.137	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.280%
50) Toluene-d8	10.103	98	680231	49.640	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.280%
62) 4-Bromofluorobenzene	12.401	95	164336	40.250	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.500%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.604	84	5055	1.259	ug/l #	91
31) Cyclohexane	7.701	56	8543	1.277	ug/l #	27
36) 1,1-Dichloropropene	7.701	75	28797	5.232	ug/l #	50
38) Carbon Tetrachloride	7.707	117	32303	5.721	ug/l #	16
49) 1,4-Dioxane	8.981	88	46	1.796	ug/l #	1
51) 4-Methyl-2-Pentanone	10.103	43	3615	1.368	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	97977	53.008	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	97977	128.011	ug/l #	10

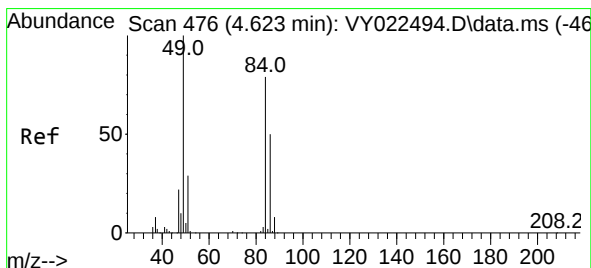
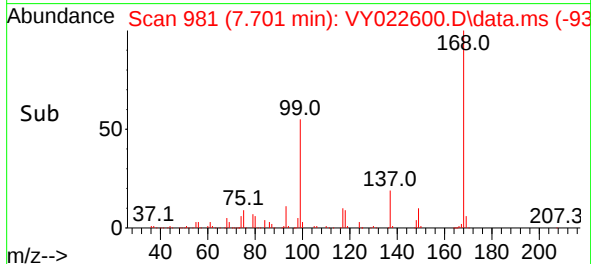
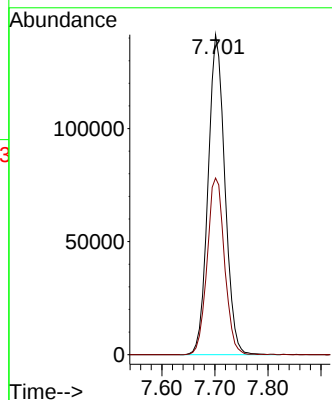
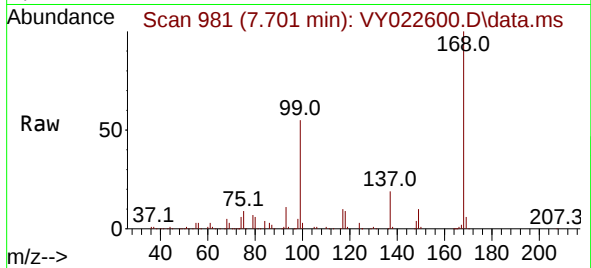
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022600.D
Acq: 06 Jun 2025 15:13

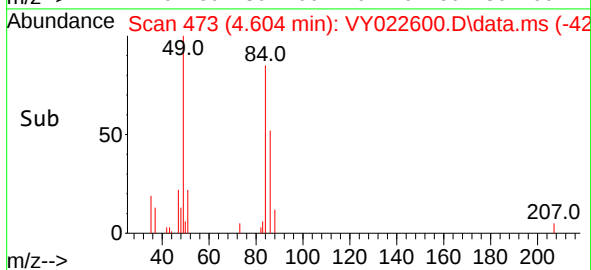
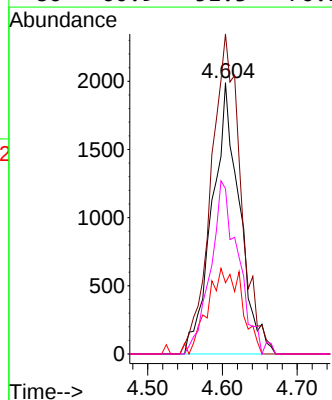
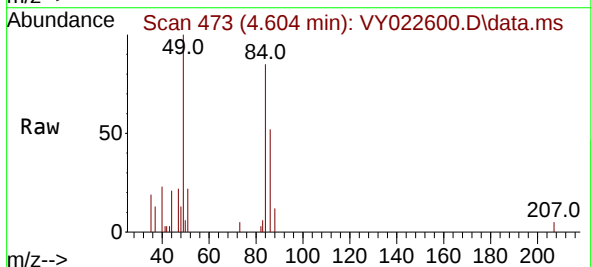
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-03

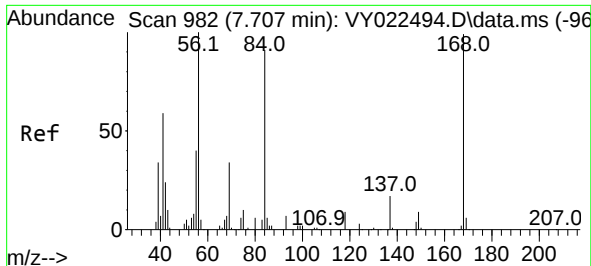
Tgt Ion:168 Resp: 311312
Ion Ratio Lower Upper
168 100
99 55.2 44.3 66.5



#20
Methylene Chloride
Concen: 1.259 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY022600.D
Acq: 06 Jun 2025 15:13

Tgt Ion: 84 Resp: 5055
Ion Ratio Lower Upper
84 100
49 118.0 101.9 152.9
51 26.2 29.8 44.8#
86 60.9 51.3 76.9

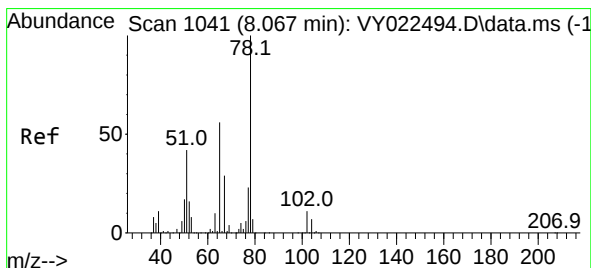
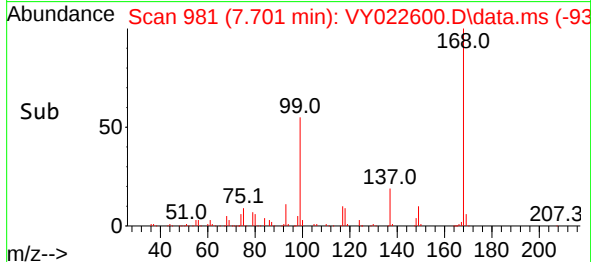
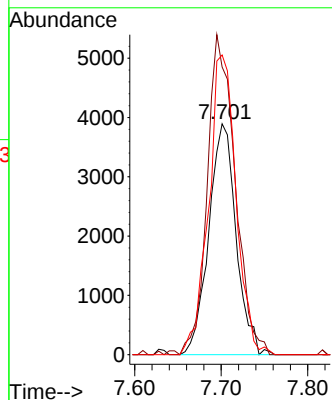
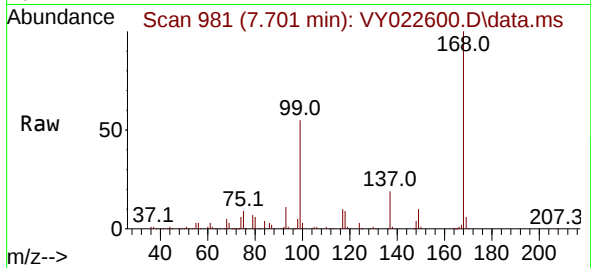




#31
Cyclohexane
Concen: 1.277 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022600.D
Acq: 06 Jun 2025 15:13

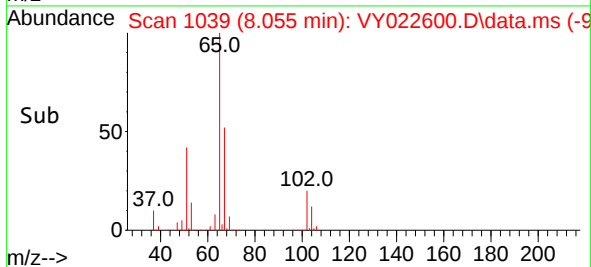
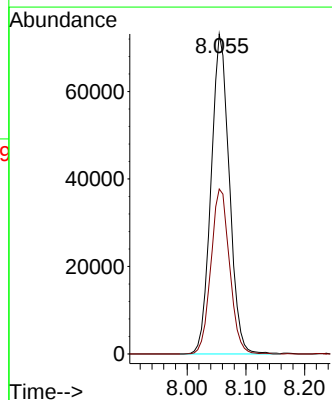
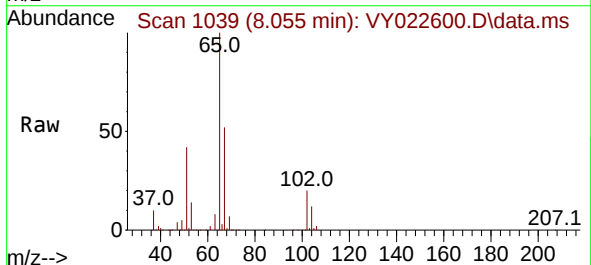
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-03

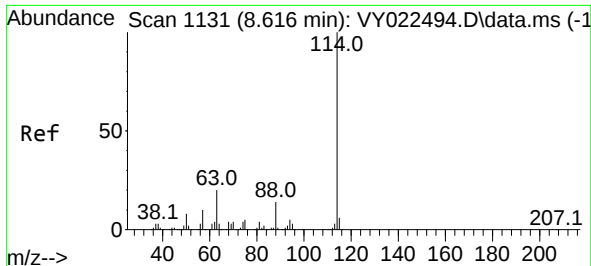
Tgt Ion: 56 Resp: 8543
Ion Ratio Lower Upper
56 100
69 124.6 27.0 40.6#
84 129.8 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 45.295 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022600.D
Acq: 06 Jun 2025 15:13

Tgt Ion: 65 Resp: 157711
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.4

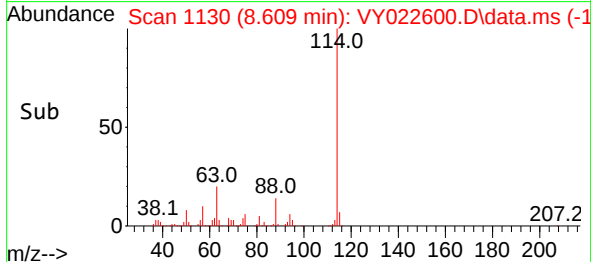
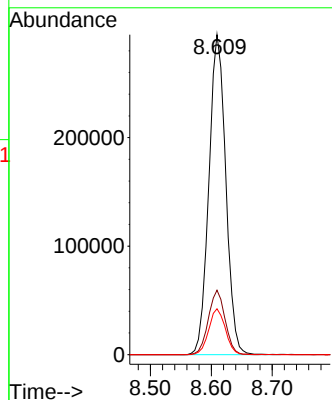
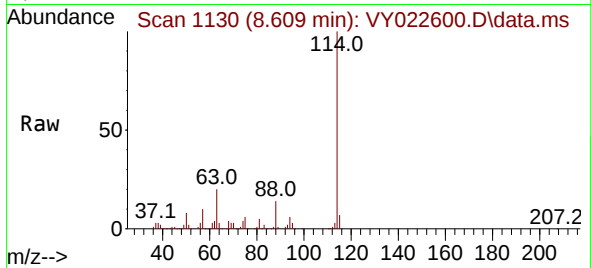




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022600.D
Acq: 06 Jun 2025 15:13

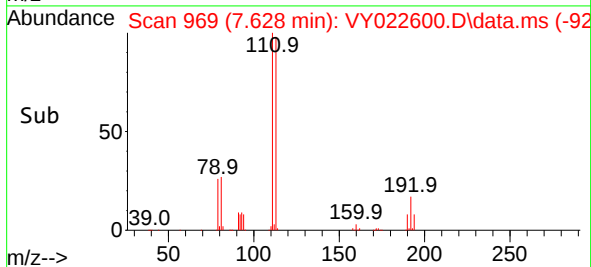
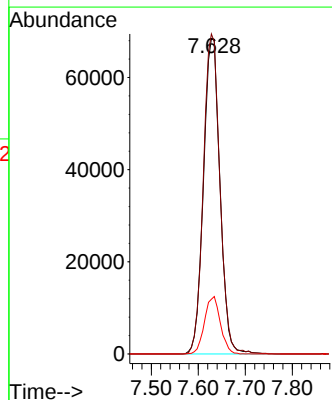
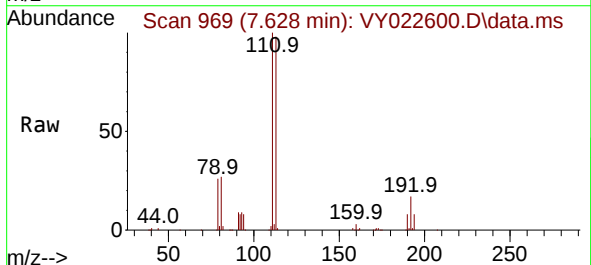
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-03

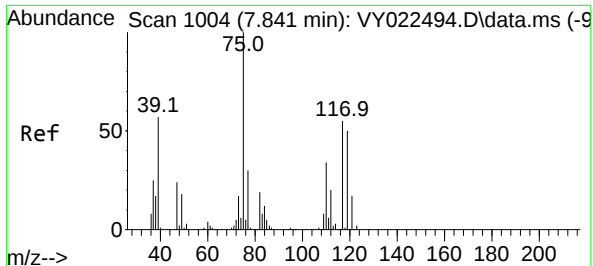
Tgt Ion:114 Resp: 568187
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 14.4 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.137 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022600.D
Acq: 06 Jun 2025 15:13

Tgt Ion:113 Resp: 166642
Ion Ratio Lower Upper
113 100
111 101.5 81.1 121.7
192 17.6 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.232 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022600.D

Acq: 06 Jun 2025 15:13

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-03

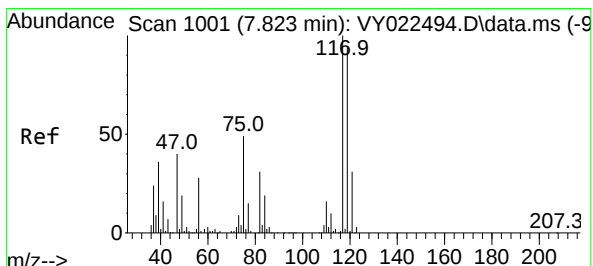
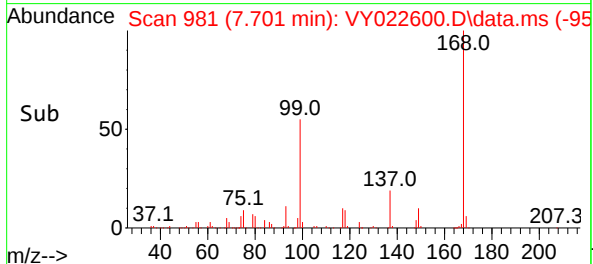
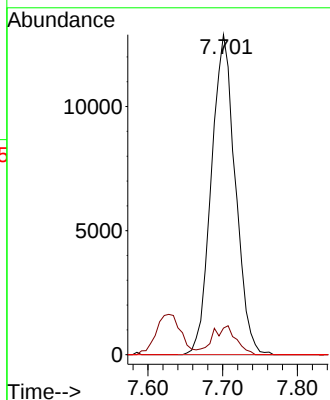
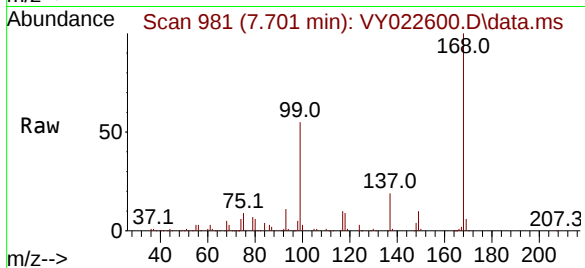
Tgt Ion: 75 Resp: 28797

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.721 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022600.D

Acq: 06 Jun 2025 15:13

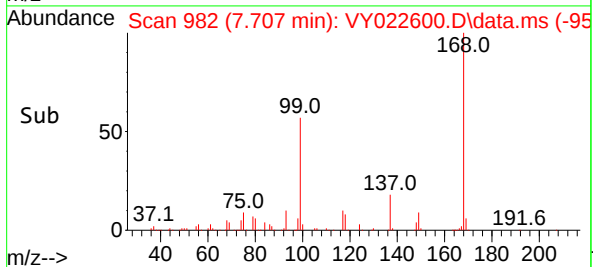
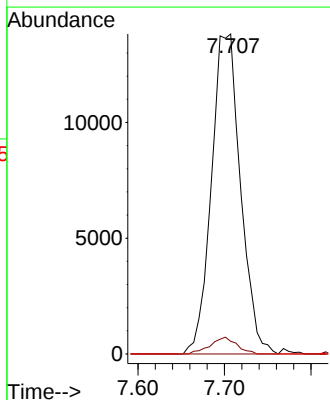
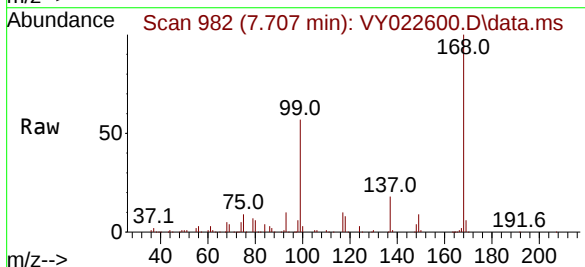
Tgt Ion: 117 Resp: 32303

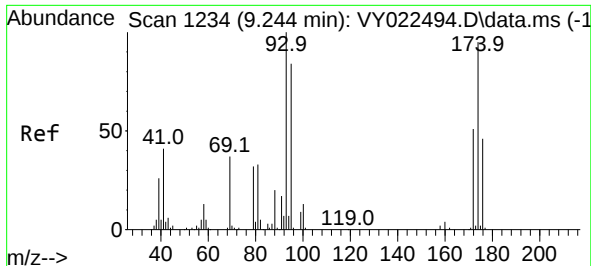
Ion Ratio Lower Upper

117 100

119 3.9 75.0 112.6#

121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 1.796 ug/l

RT: 8.981 min Scan# 1191

Delta R.T. -0.262 min

Lab File: VY022600.D

Acq: 06 Jun 2025 15:13

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-03

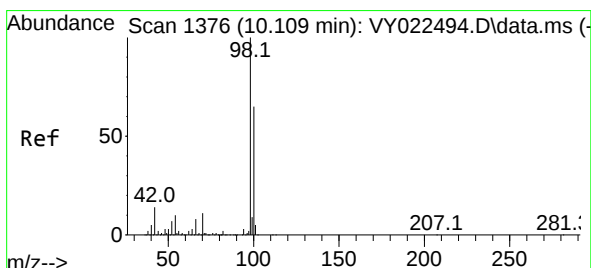
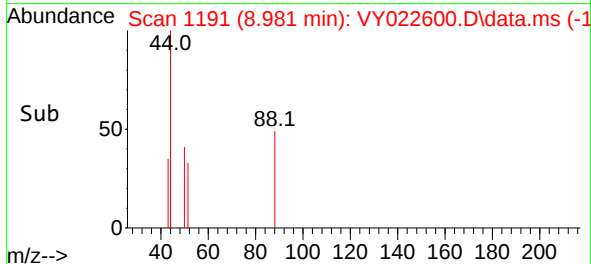
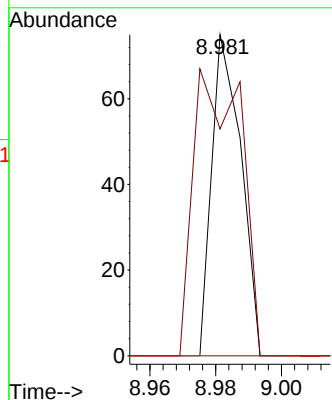
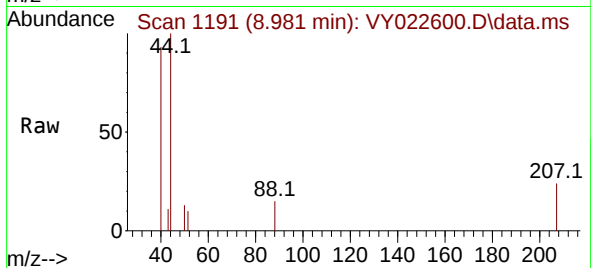
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 145.7 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 49.640 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022600.D

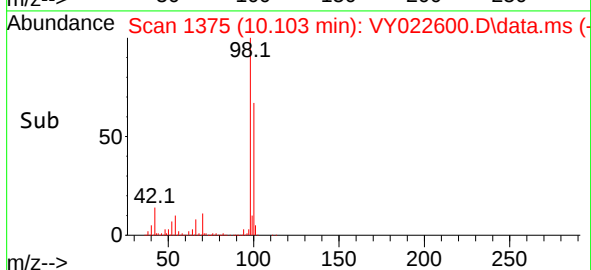
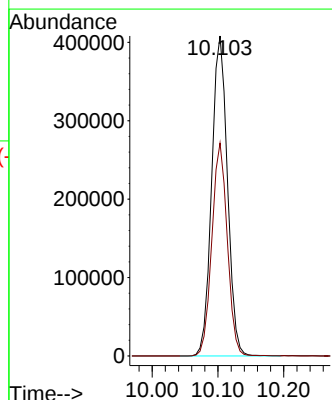
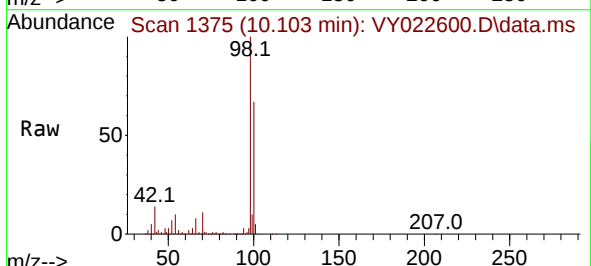
Acq: 06 Jun 2025 15:13

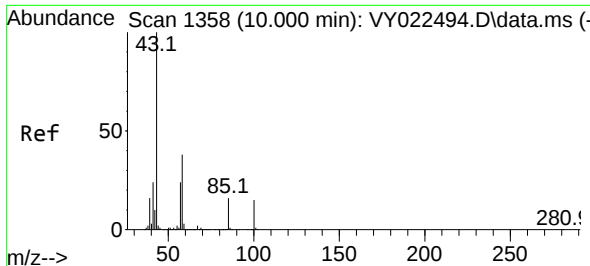
Tgt Ion: 98 Resp: 680231

Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.0

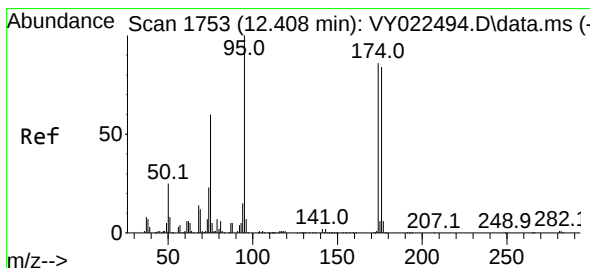
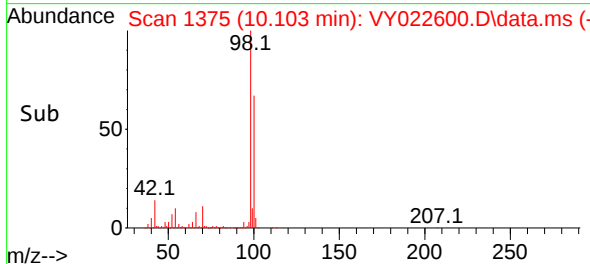
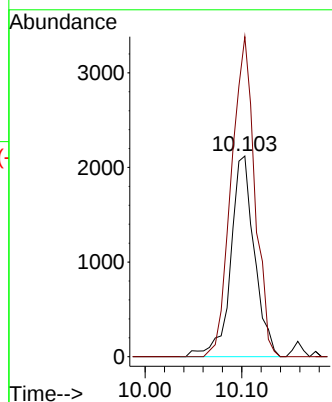
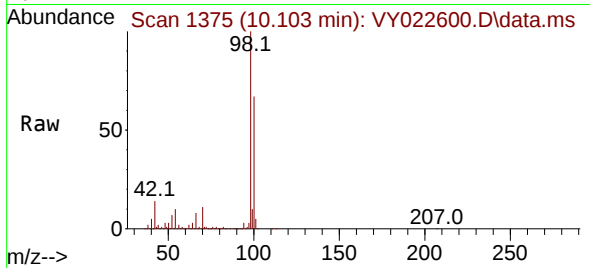




#51
4-Methyl-2-Pentanone
Concen: 1.368 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY022600.D
Acq: 06 Jun 2025 15:13

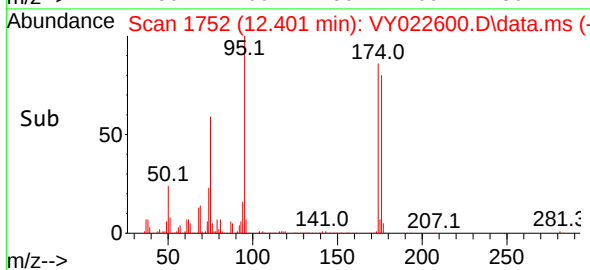
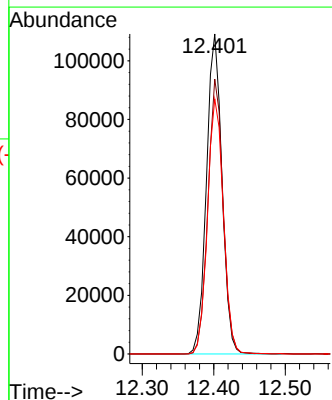
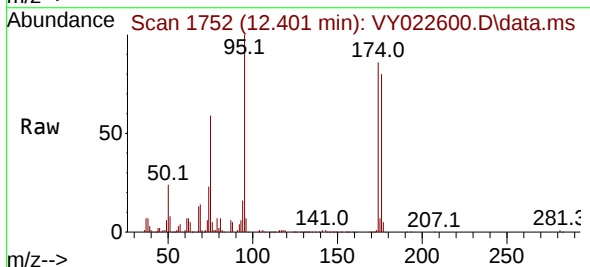
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-03

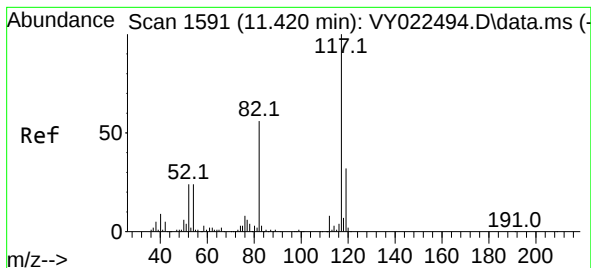
Tgt Ion: 43 Resp: 3615
Ion Ratio Lower Upper
43 100
58 158.3 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 40.250 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022600.D
Acq: 06 Jun 2025 15:13

Tgt Ion: 95 Resp: 164336
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.0
176 81.6 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022600.D

Acq: 06 Jun 2025 15:13

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-03

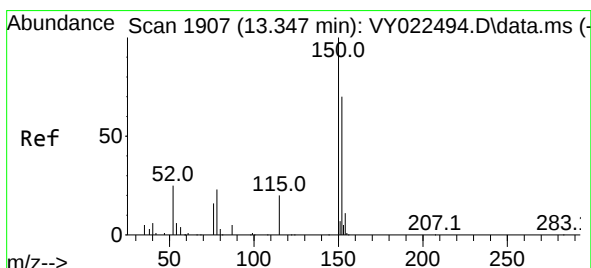
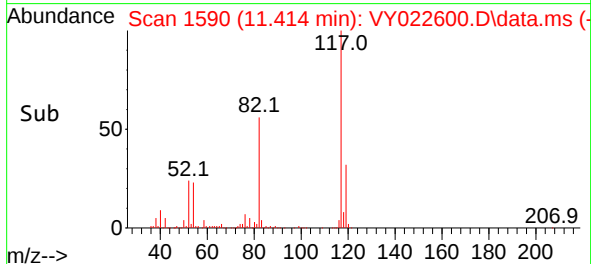
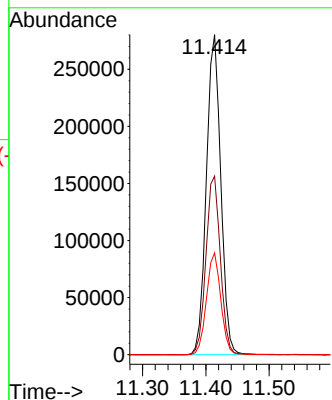
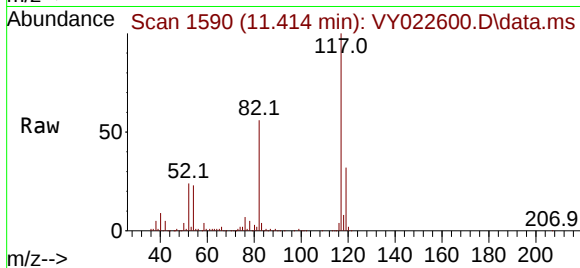
Tgt Ion:117 Resp: 444635

Ion Ratio Lower Upper

117 100

82 55.8 44.6 66.8

119 31.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022600.D

Acq: 06 Jun 2025 15:13

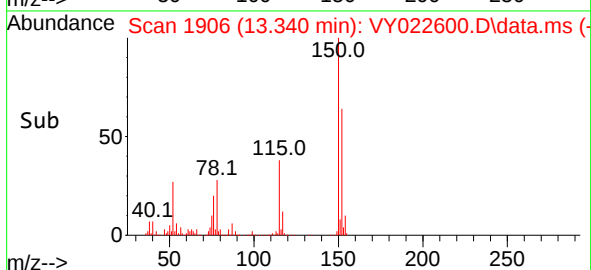
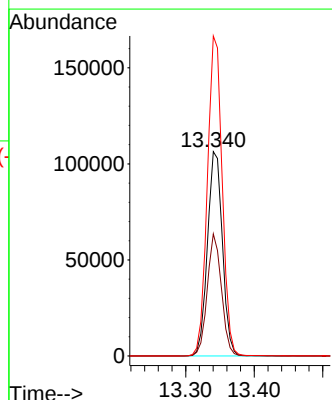
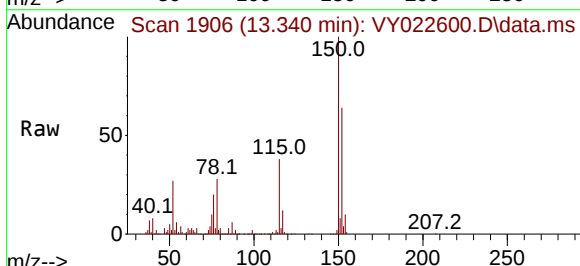
Tgt Ion:152 Resp: 161564

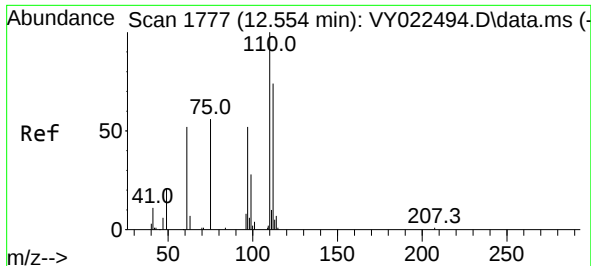
Ion Ratio Lower Upper

152 100

115 56.6 28.9 86.7

150 155.2 0.0 349.6

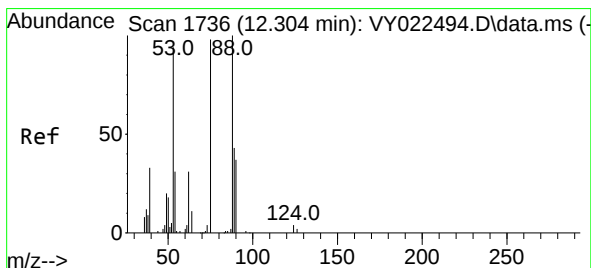
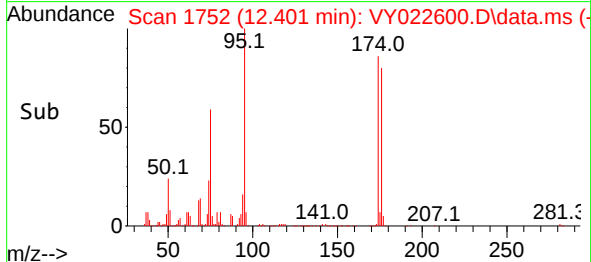
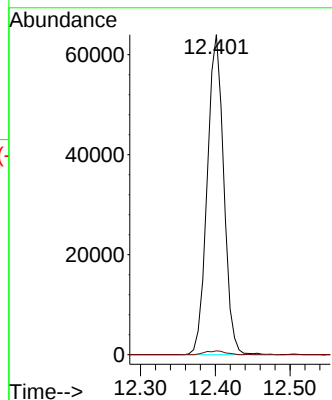
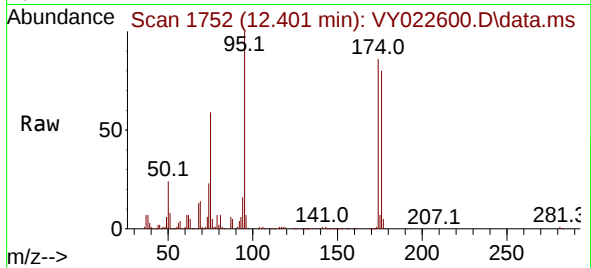




#76
1,2,3-Trichloropropane
Concen: 53.008 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022600.D
Acq: 06 Jun 2025 15:13

Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-03

Tgt Ion: 75 Resp: 97977
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.011 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022600.D
Acq: 06 Jun 2025 15:13

Tgt Ion: 75 Resp: 97977
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.0 35.7 53.5#

