

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022594.D
 Acq On : 06 Jun 2025 12:50
 Operator : SY/MD
 Sample : Q2208-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

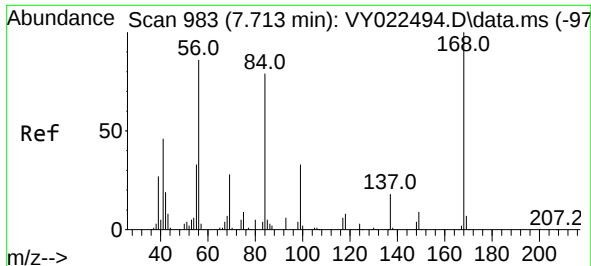
Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-06

Quant Time: Jun 06 23:41:48 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	7.707	168	284321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	524392	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	425857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	158560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	160651	50.520	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.040%	
35) Dibromofluoromethane	7.628	113	158952	50.784	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.560%	
50) Toluene-d8	10.103	98	632485	50.010	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.020%	
62) 4-Bromofluorobenzene	12.402	95	161951	42.978	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.960%	
Target Compounds						Qvalue
16) Acetone	3.866	43	7401	11.460	ug/l	99
20) Methylene Chloride	4.604	84	4724	1.288	ug/l	88
31) Cyclohexane	7.701	56	7807	1.278	ug/l #	26
36) 1,1-Dichloropropene	7.701	75	25578	5.035	ug/l #	50
38) Carbon Tetrachloride	7.707	117	29845	5.727	ug/l #	16
49) 1,4-Dioxane	9.103	88	32	1.354	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	96977	53.461	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	96977	129.104	ug/l #	10

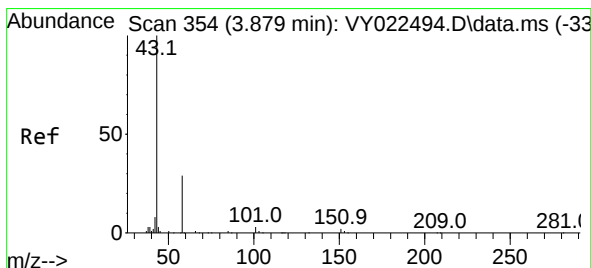
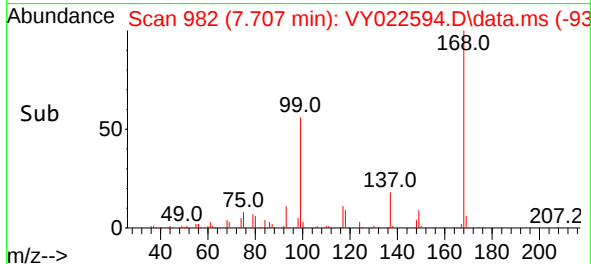
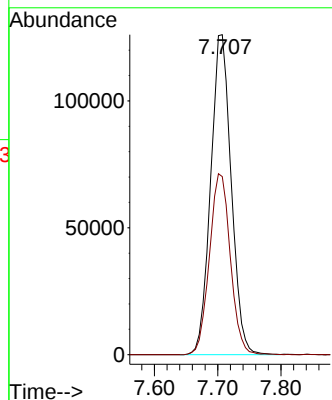
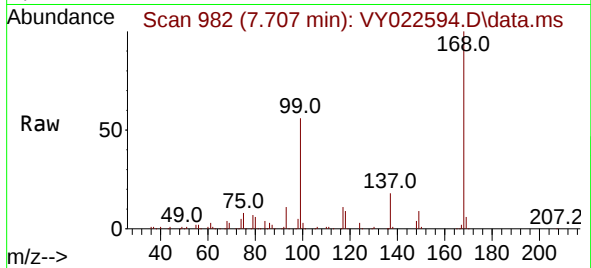
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022594.D
Acq: 06 Jun 2025 12:50

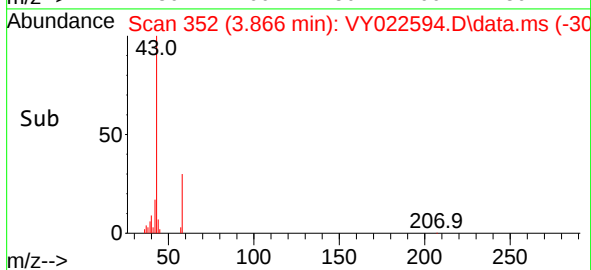
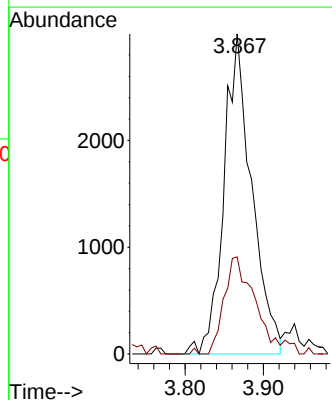
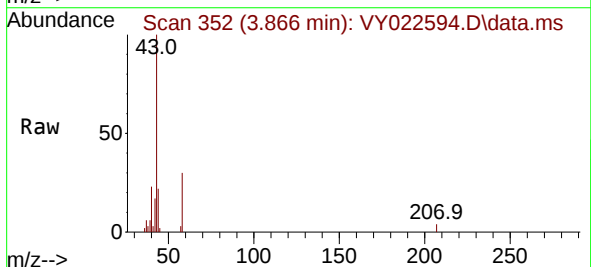
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-06

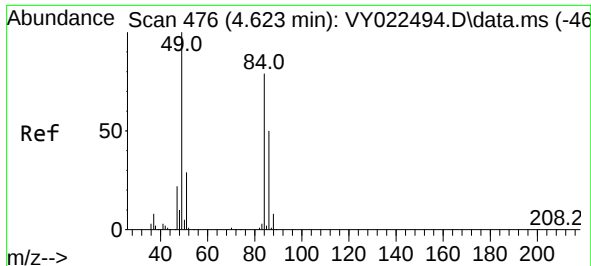
Tgt Ion:168 Resp: 284321
Ion Ratio Lower Upper
168 100
99 55.7 44.3 66.5



#16
Acetone
Concen: 11.460 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022594.D
Acq: 06 Jun 2025 12:50

Tgt Ion: 43 Resp: 7401
Ion Ratio Lower Upper
43 100
58 30.3 24.0 36.0

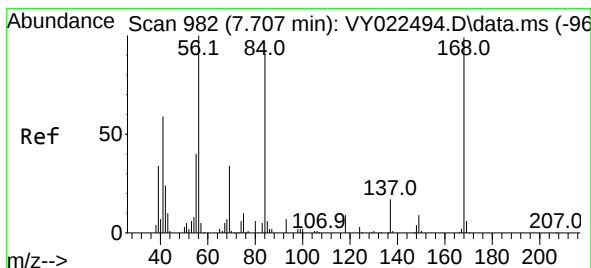
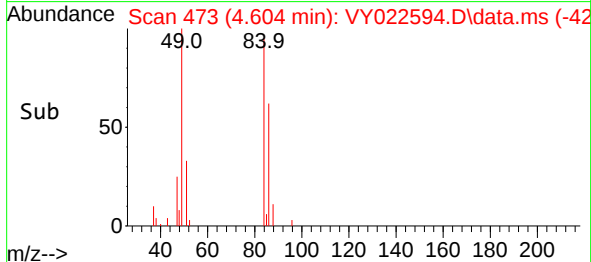
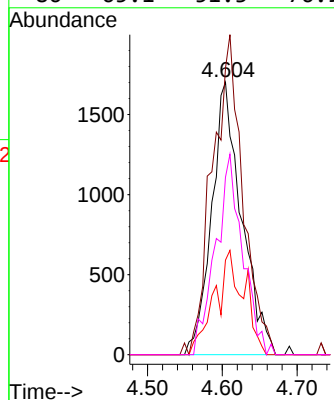
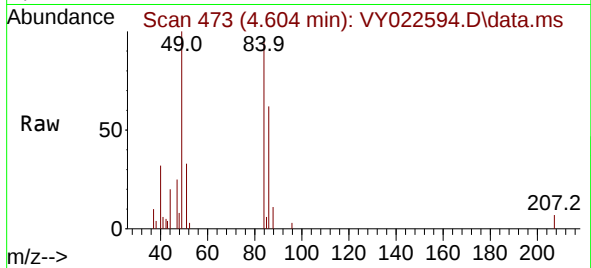




#20
Methylene Chloride
Concen: 1.288 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY022594.D
Acq: 06 Jun 2025 12:50

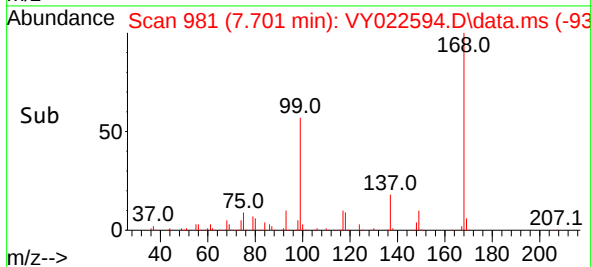
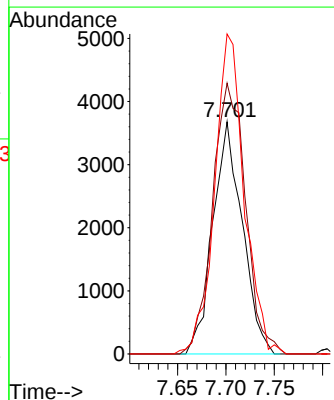
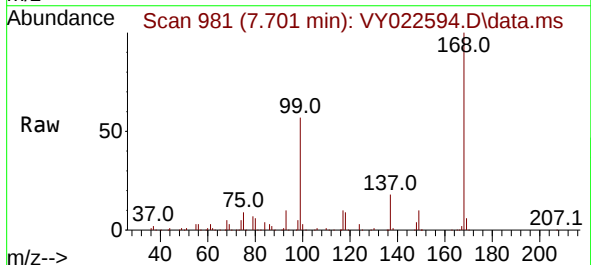
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-06

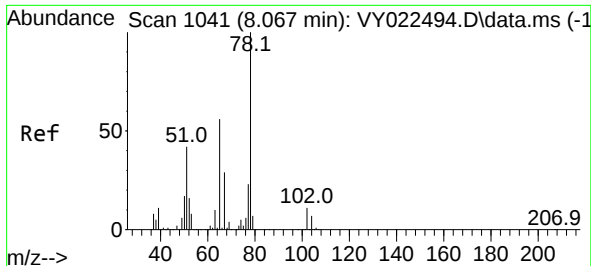
Tgt Ion:	84	Resp:	4724
Ion	Ratio	Lower	Upper
84	100		
49	105.1	101.9	152.9
51	34.7	29.8	44.8
86	65.1	51.3	76.9



#31
Cyclohexane
Concen: 1.278 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022594.D
Acq: 06 Jun 2025 12:50

Tgt Ion:	56	Resp:	7807
Ion	Ratio	Lower	Upper
56	100		
69	116.6	27.0	40.6#
84	136.3	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 50.520 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY022594.D

Acq: 06 Jun 2025 12:50

Instrument :

MSVOA_Y

ClientSampleId :

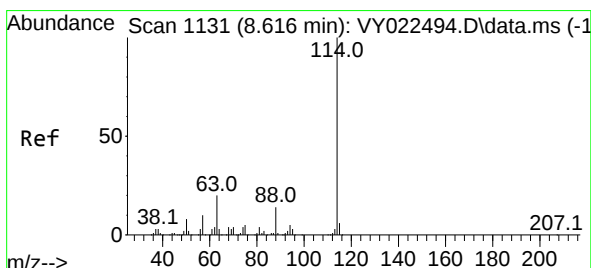
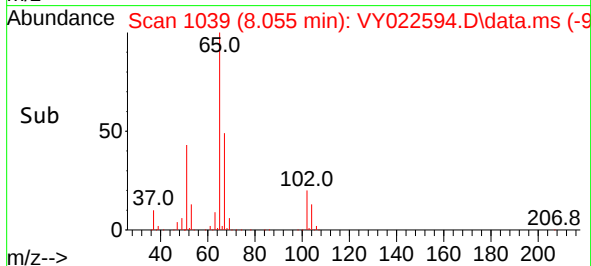
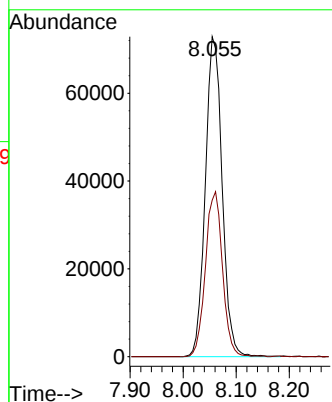
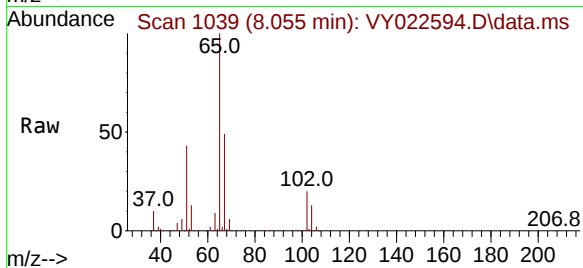
BU-703-VOC-06

Tgt Ion: 65 Resp: 160651

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022594.D

Acq: 06 Jun 2025 12:50

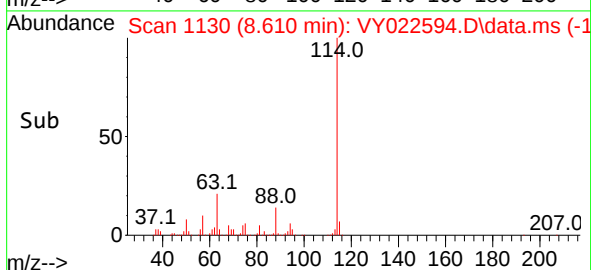
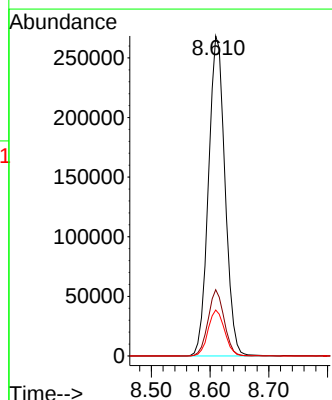
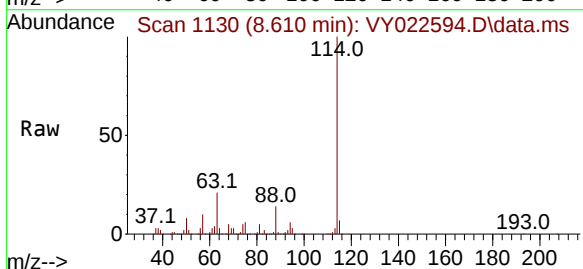
Tgt Ion: 114 Resp: 524392

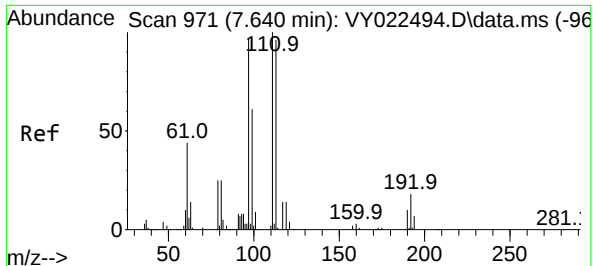
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 14.4 0.0 27.8





#35

Dibromofluoromethane

Concen: 50.784 ug/l

RT: 7.628 min Scan# 910

Delta R.T. -0.012 min

Lab File: VY022594.D

Acq: 06 Jun 2025 12:50

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-06

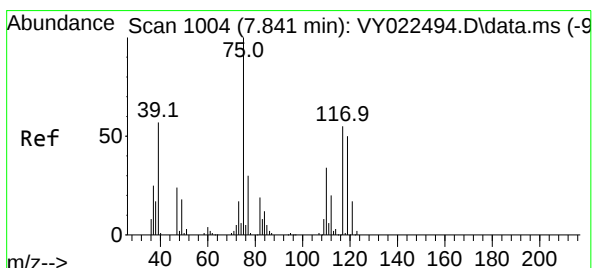
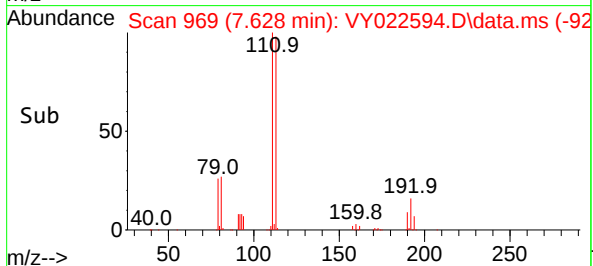
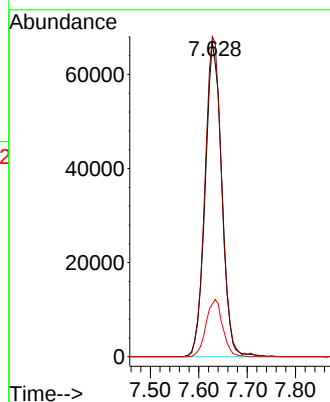
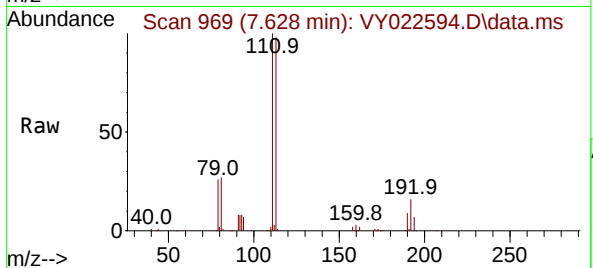
Tgt Ion:113 Resp: 158952

Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

192 18.2 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.035 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022594.D

Acq: 06 Jun 2025 12:50

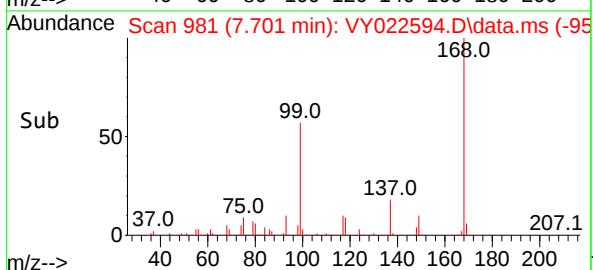
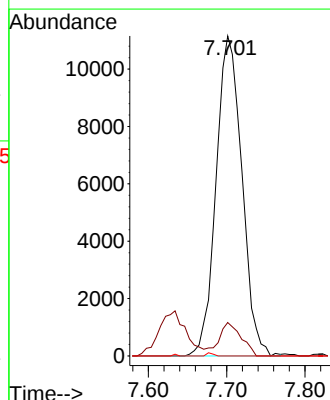
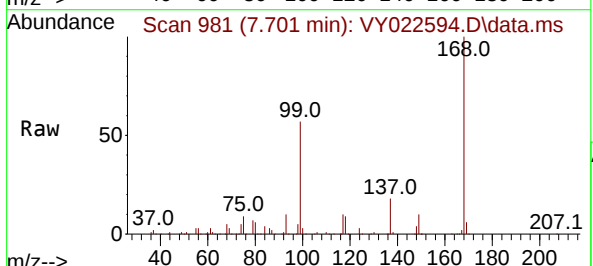
Tgt Ion: 75 Resp: 25578

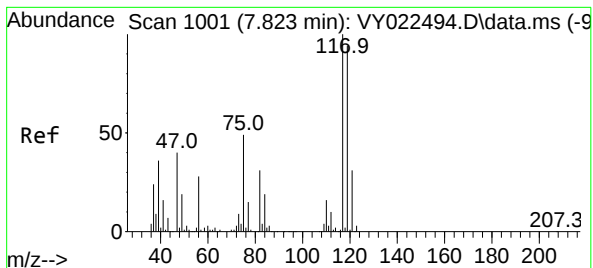
Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.7#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.727 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY022594.D

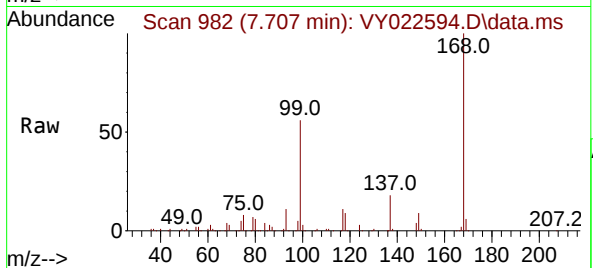
Acq: 06 Jun 2025 12:50

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-06



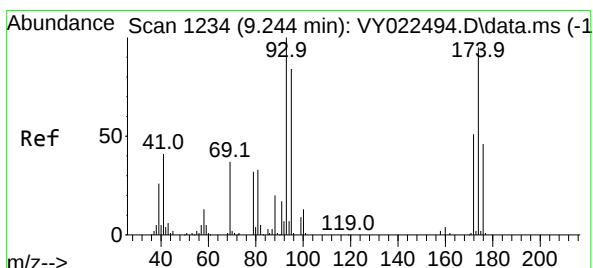
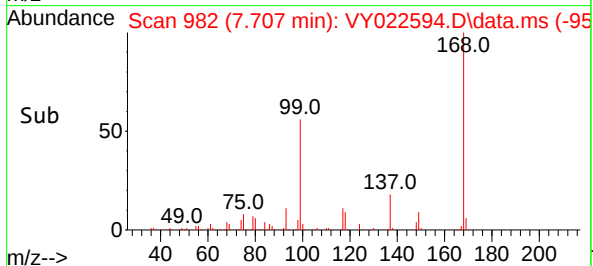
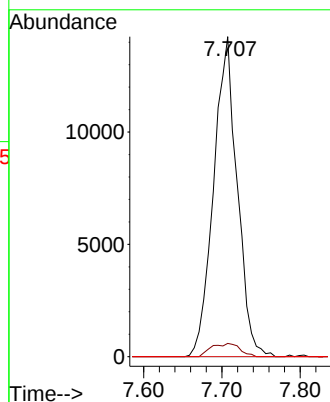
Tgt Ion:117 Resp: 29845

Ion Ratio Lower Upper

117 100

119 4.1 75.0 112.6#

121 0.0 25.0 37.4#



#49

1,4-Dioxane

Concen: 1.354 ug/l

RT: 9.103 min Scan# 1211

Delta R.T. -0.140 min

Lab File: VY022594.D

Acq: 06 Jun 2025 12:50

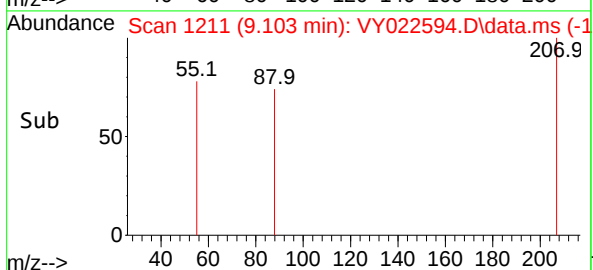
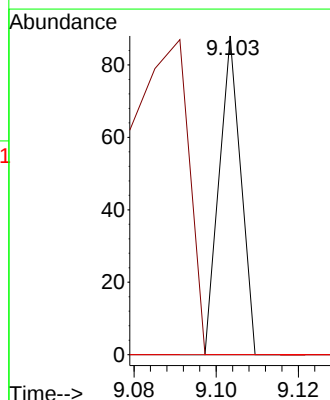
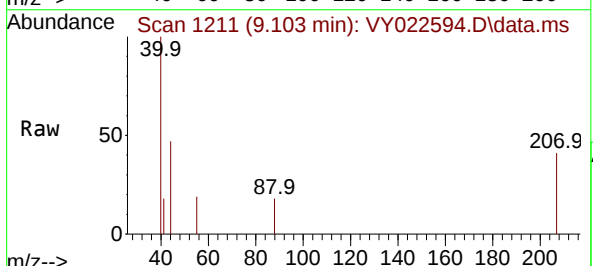
Tgt Ion: 88 Resp: 32

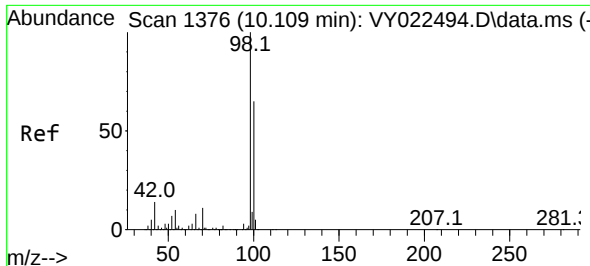
Ion Ratio Lower Upper

88 100

43 259.4 25.4 38.2#

58 0.0 54.9 82.3#

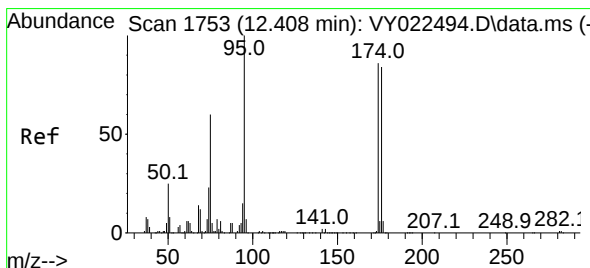
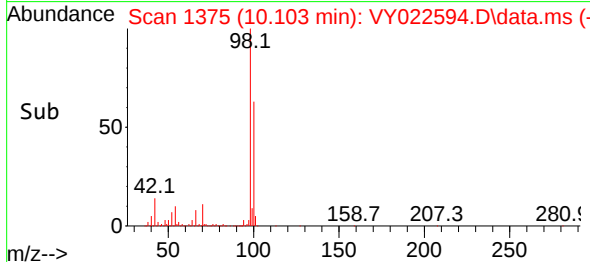
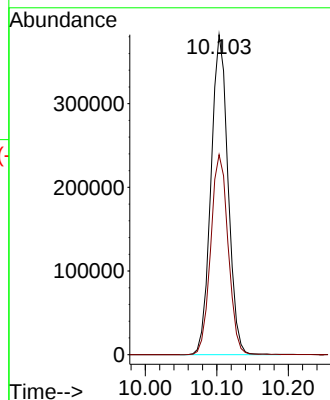
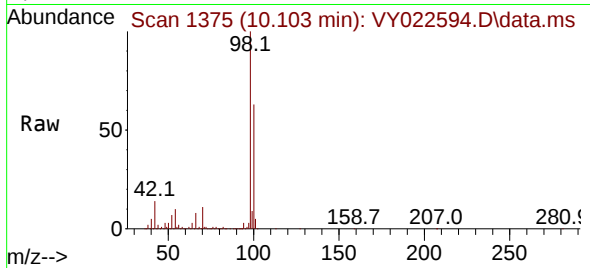




#50
Toluene-d8
Concen: 50.010 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022594.D
Acq: 06 Jun 2025 12:50

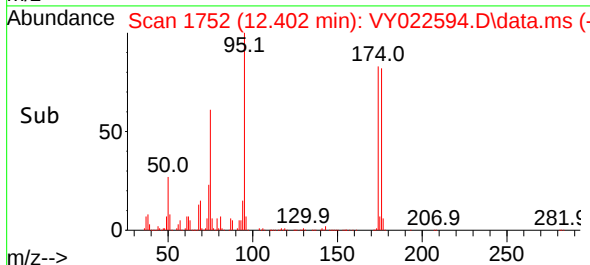
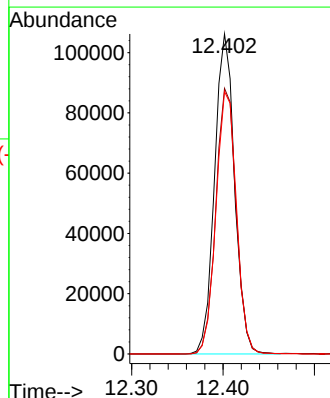
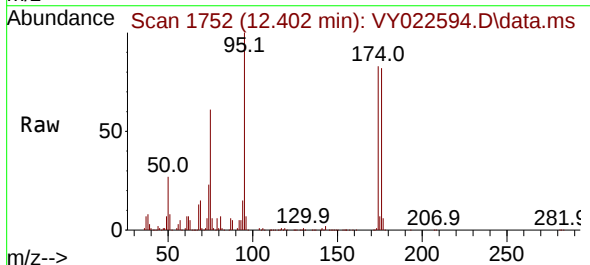
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-06

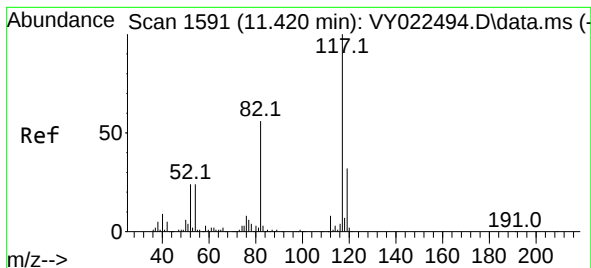
Tgt Ion: 98 Resp: 632485
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.978 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022594.D
Acq: 06 Jun 2025 12:50

Tgt Ion: 95 Resp: 161951
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.0
176 83.6 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: VY022594.D

Acq: 06 Jun 2025 12:50

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-06

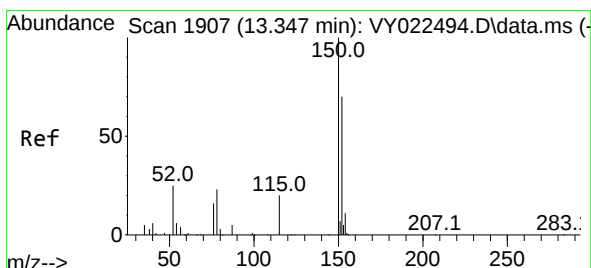
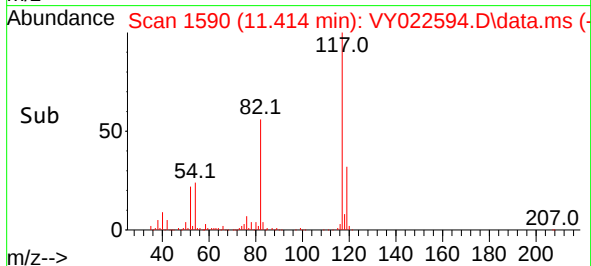
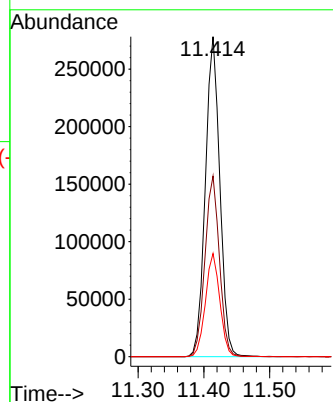
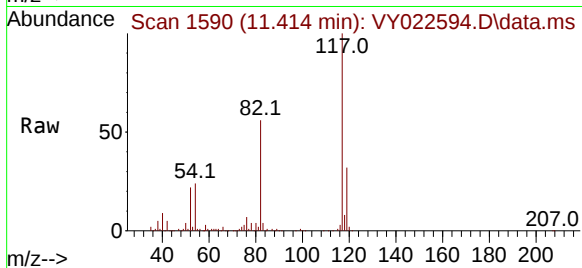
Tgt Ion:117 Resp: 425857

Ion Ratio Lower Upper

117 100

82 56.5 44.6 66.8

119 32.3 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: VY022594.D

Acq: 06 Jun 2025 12:50

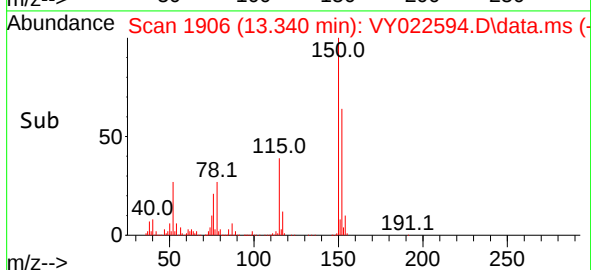
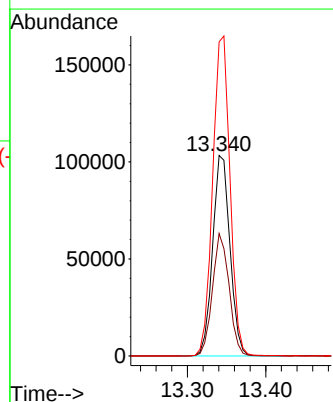
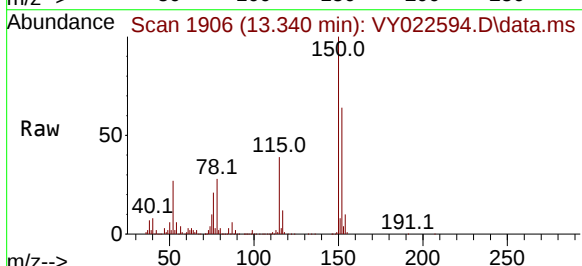
Tgt Ion:152 Resp: 158560

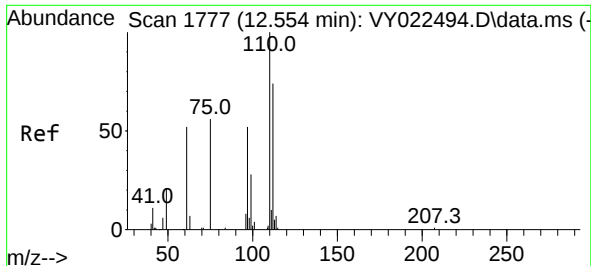
Ion Ratio Lower Upper

152 100

115 58.7 28.9 86.7

150 159.5 0.0 349.6

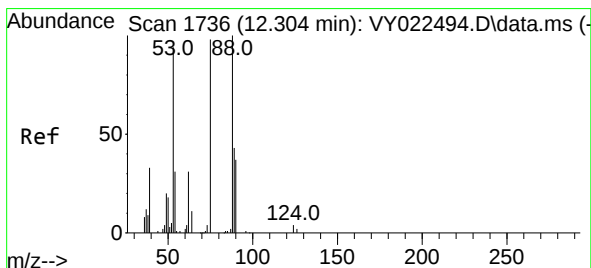
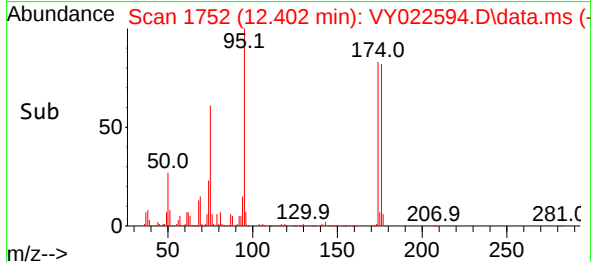
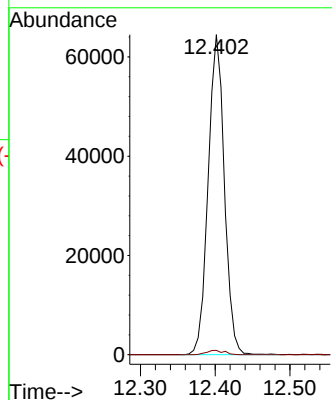
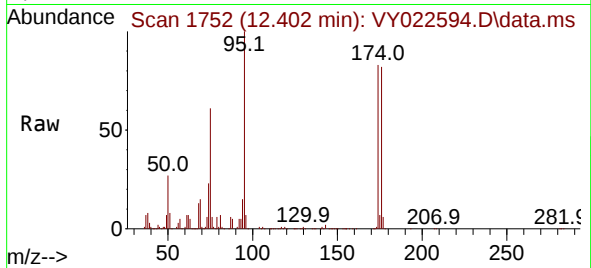




#76
1,2,3-Trichloropropane
Concen: 53.461 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022594.D
Acq: 06 Jun 2025 12:50

Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-06

Tgt Ion: 75 Resp: 96977
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.104 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022594.D
Acq: 06 Jun 2025 12:50

Tgt Ion: 75 Resp: 96977
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

