

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022579.D
 Acq On : 05 Jun 2025 17:06
 Operator : SY/MD
 Sample : Q2207-29
 Misc : 6.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-04

Quant Time: Jun 06 01:27:22 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

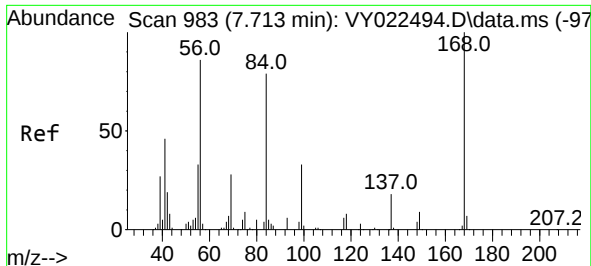
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.701	168	519698	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	960078	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	799778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	297104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	286663	49.318	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.640%
35) Dibromofluoromethane	7.628	113	283019	49.388	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.780%
50) Toluene-d8	10.103	98	1192582	51.504	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.000%
62) 4-Bromofluorobenzene	12.402	95	304386	44.120	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.240%
Target Compounds						Qvalue
31) Cyclohexane	7.701	56	14870	1.331	ug/l #	20
36) 1,1-Dichloropropene	7.701	75	48422	5.206	ug/l #	50
38) Carbon Tetrachloride	7.701	117	54576	5.720	ug/l #	16
51) 4-Methyl-2-Pentanone	10.097	43	6298	1.410	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	179385	52.776	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	179385	127.451	ug/l #	10

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

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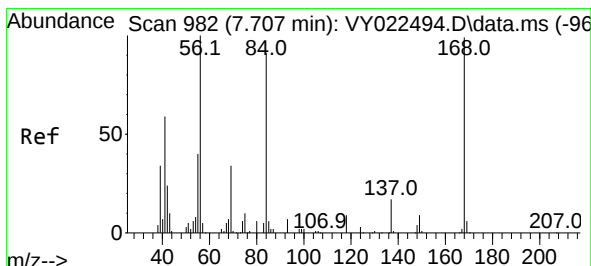
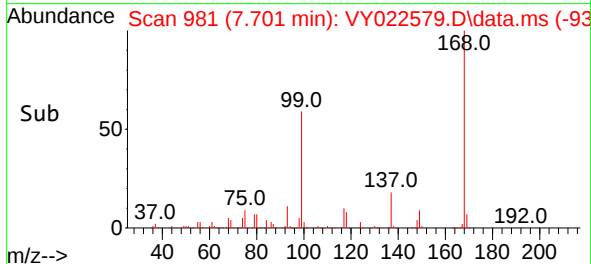
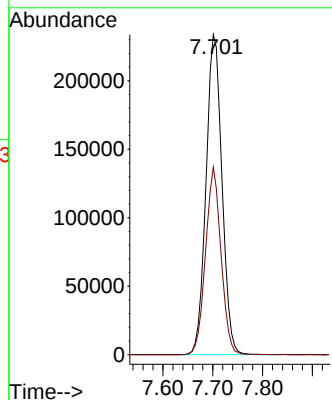
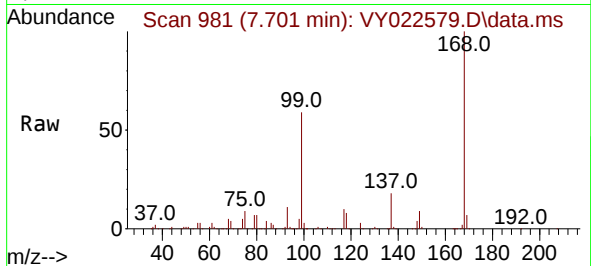




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.012 min
Lab File: VY022579.D
Acq: 05 Jun 2025 17:06

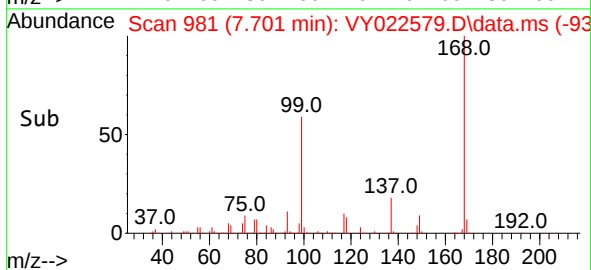
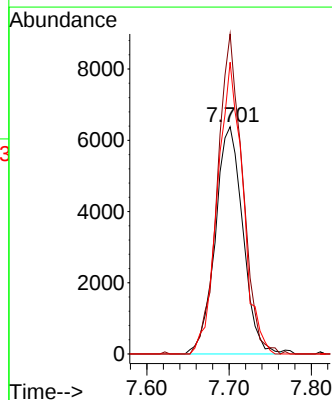
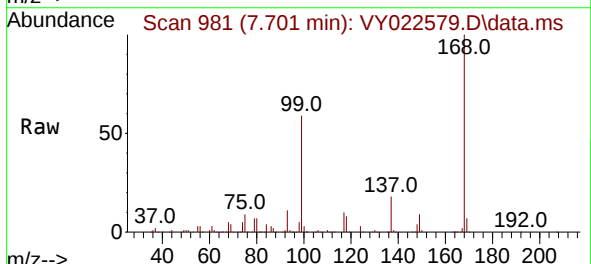
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-04

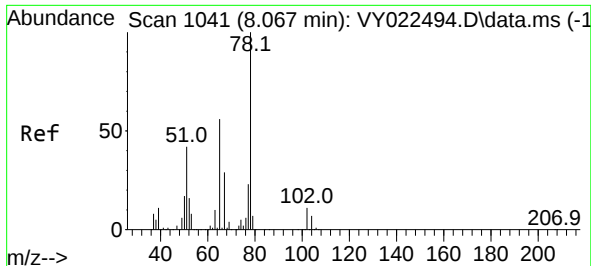
Tgt Ion:168 Resp: 519698
Ion Ratio Lower Upper
168 100
99 58.6 44.3 66.5



#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022579.D
Acq: 05 Jun 2025 17:06

Tgt Ion: 56 Resp: 14870
Ion Ratio Lower Upper
56 100
69 140.9 27.0 40.6#
84 128.4 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 49.318 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY022579.D

Acq: 05 Jun 2025 17:06

Instrument :

MSVOA_Y

ClientSampleId :

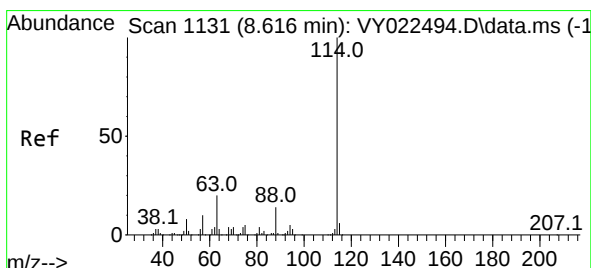
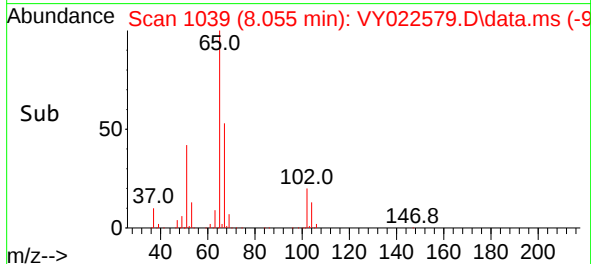
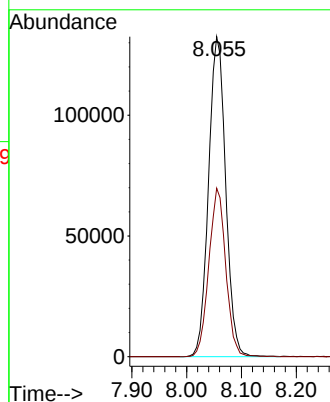
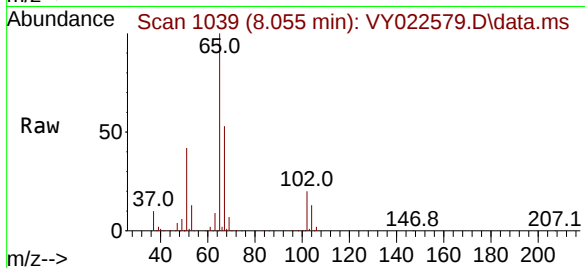
BU-703-VOC-04

Tgt Ion: 65 Resp: 286663

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022579.D

Acq: 05 Jun 2025 17:06

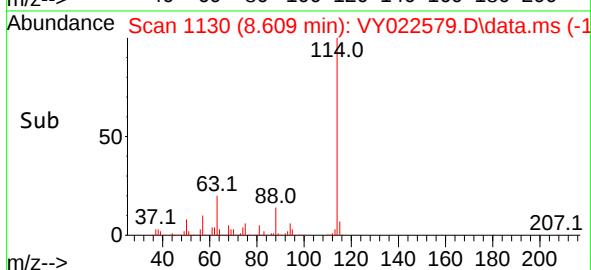
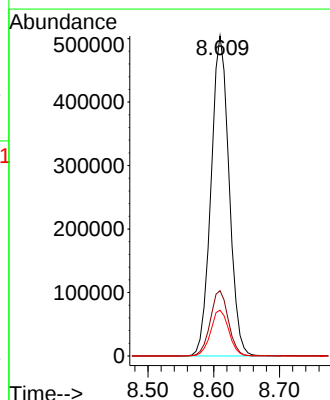
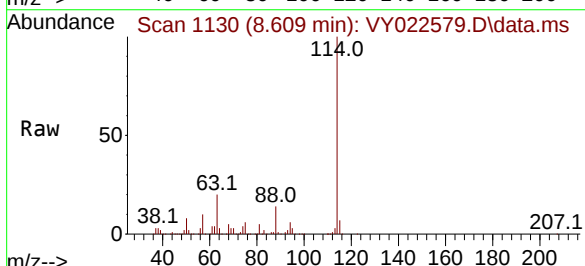
Tgt Ion: 114 Resp: 960078

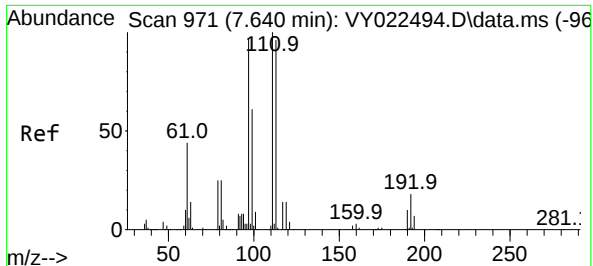
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 14.3 0.0 27.8





#35

Dibromofluoromethane

Concen: 49.388 ug/l

RT: 7.628 min Scan# 910

Delta R.T. -0.012 min

Lab File: VY022579.D

Acq: 05 Jun 2025 17:06

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-04

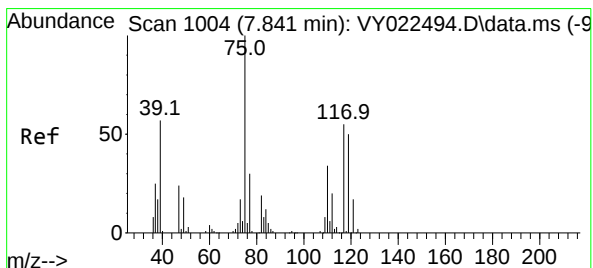
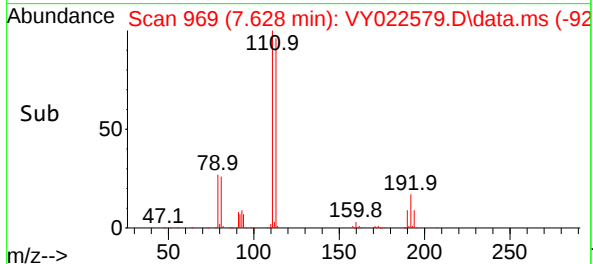
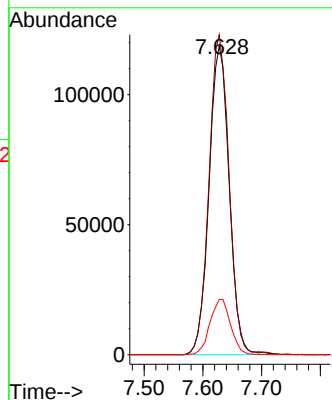
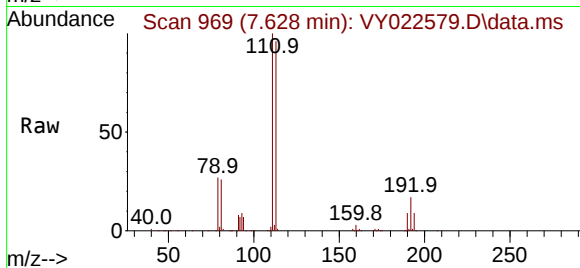
Tgt Ion:113 Resp: 283019

Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

192 18.3 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.206 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022579.D

Acq: 05 Jun 2025 17:06

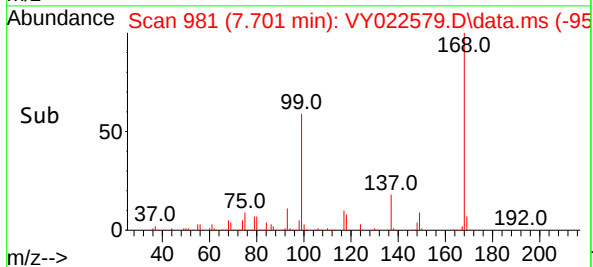
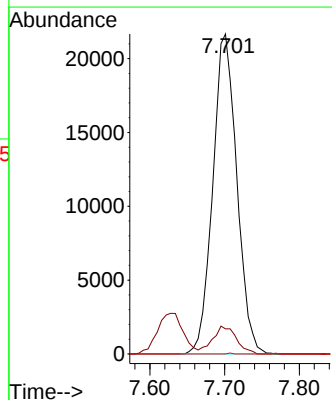
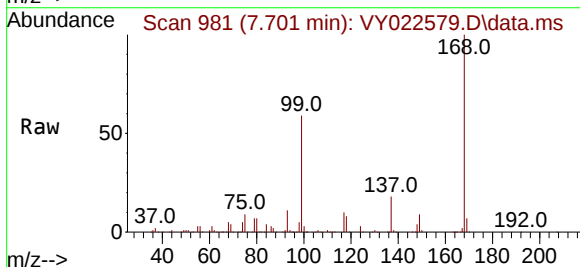
Tgt Ion: 75 Resp: 48422

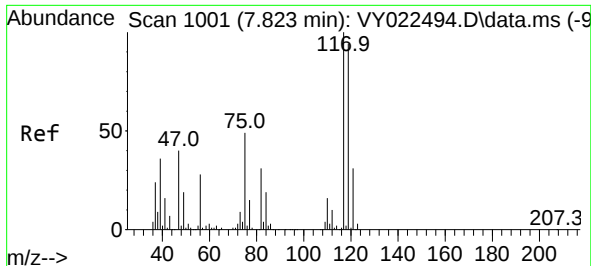
Ion Ratio Lower Upper

75 100

110 8.6 16.9 50.7#

77 0.0 24.8 37.2#

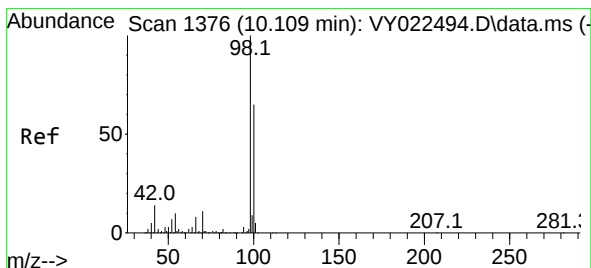
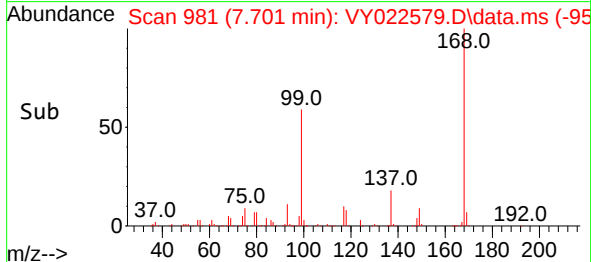
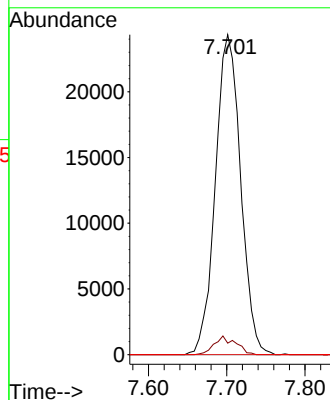
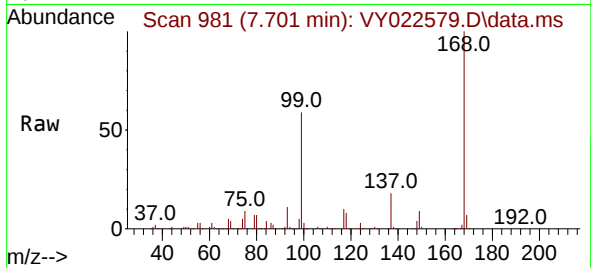




#38
Carbon Tetrachloride
Concen: 5.720 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022579.D
Acq: 05 Jun 2025 17:06

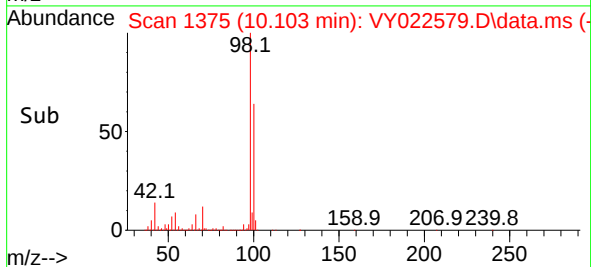
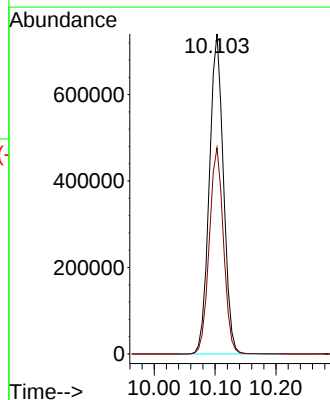
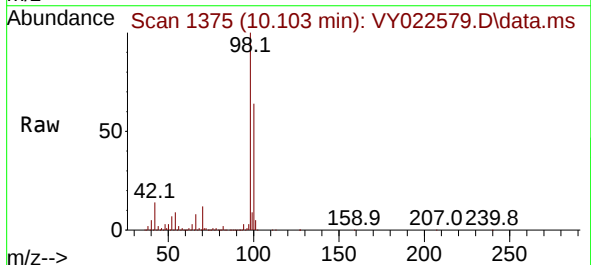
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-04

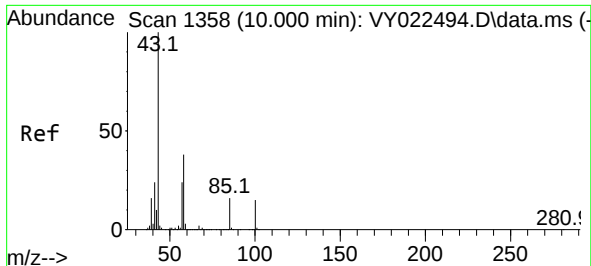
Tgt Ion:117 Resp: 54576
Ion Ratio Lower Upper
117 100
119 3.6 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 51.504 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022579.D
Acq: 05 Jun 2025 17:06

Tgt Ion: 98 Resp: 1192582
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0

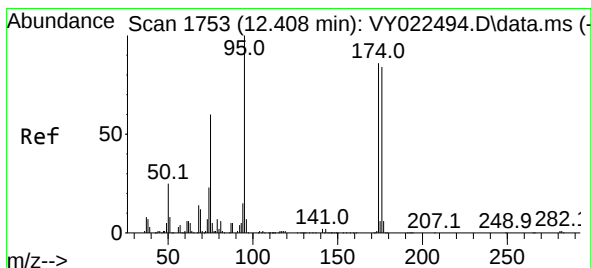
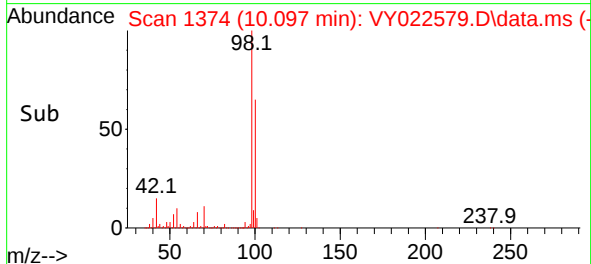
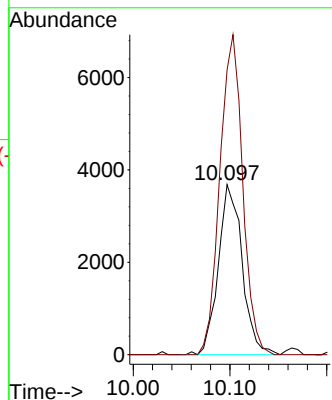
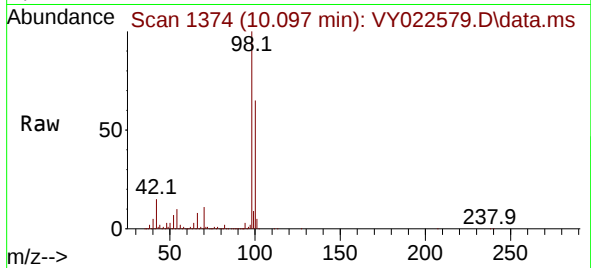




#51
4-Methyl-2-Pentanone
Concen: 1.410 ug/l
RT: 10.097 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022579.D
Acq: 05 Jun 2025 17:06

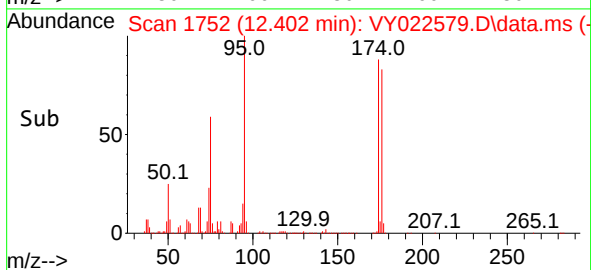
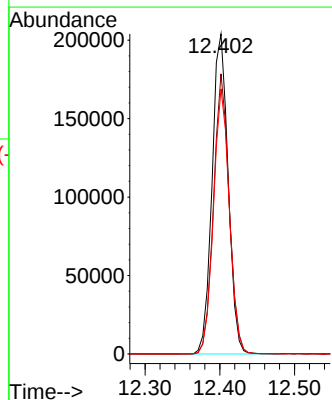
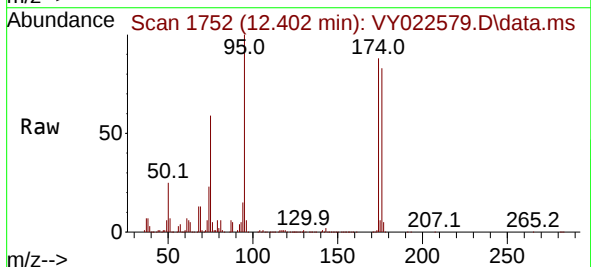
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-04

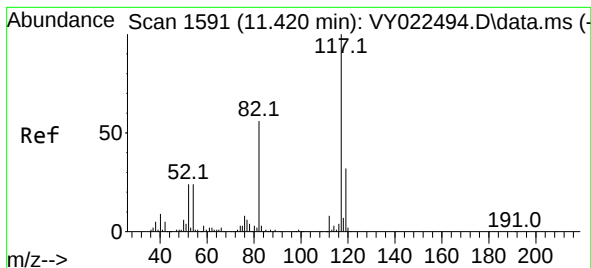
Tgt Ion: 43 Resp: 6298
Ion Ratio Lower Upper
43 100
58 180.3 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 44.120 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022579.D
Acq: 05 Jun 2025 17:06

Tgt Ion: 95 Resp: 304386
Ion Ratio Lower Upper
95 100
174 85.2 0.0 170.0
176 81.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022579.D

Acq: 05 Jun 2025 17:06

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-04

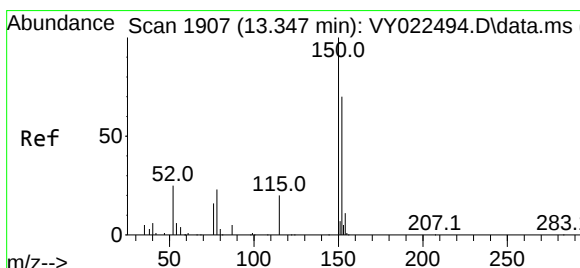
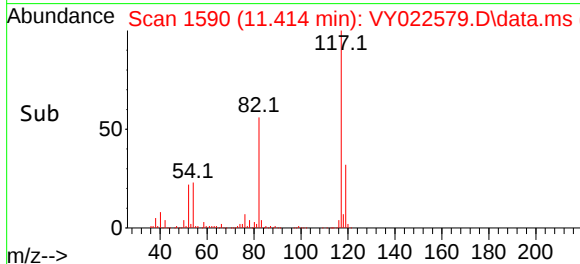
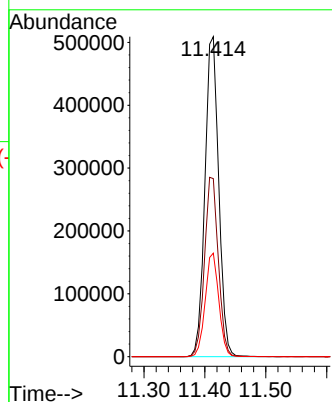
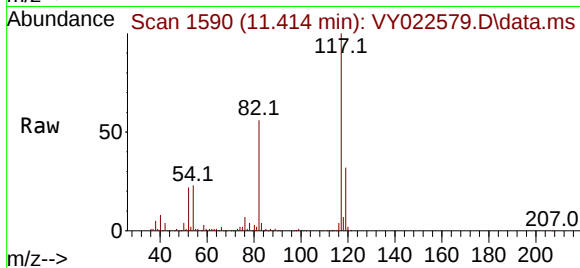
Tgt Ion:117 Resp: 799778

Ion Ratio Lower Upper

117 100

82 55.7 44.6 66.8

119 32.4 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: VY022579.D

Acq: 05 Jun 2025 17:06

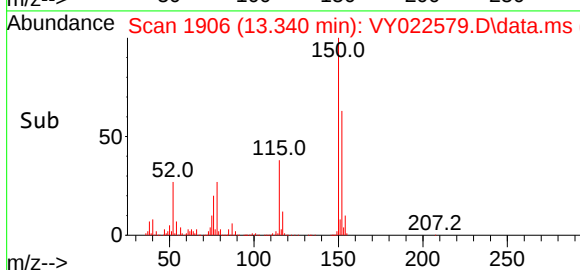
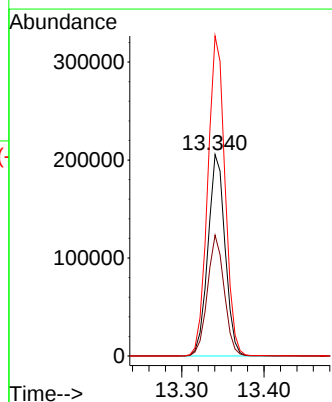
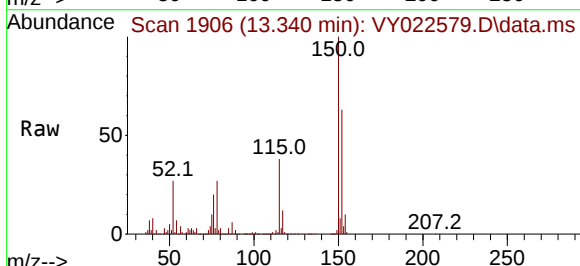
Tgt Ion:152 Resp: 297104

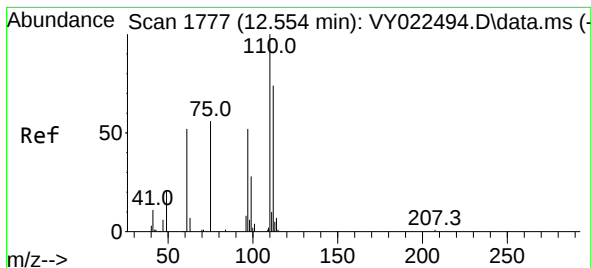
Ion Ratio Lower Upper

152 100

115 58.8 28.9 86.7

150 160.0 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 52.776 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022579.D

Acq: 05 Jun 2025 17:06

Instrument :

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ClientSampleId :

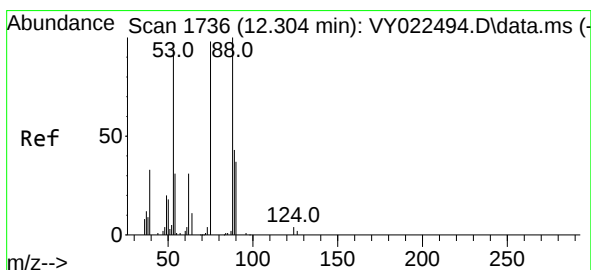
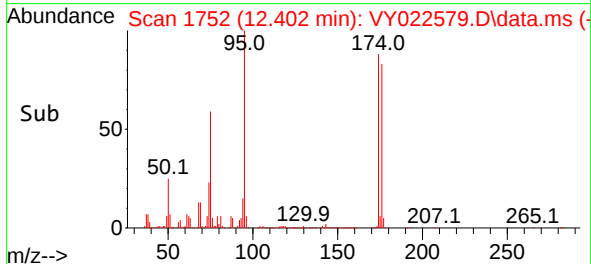
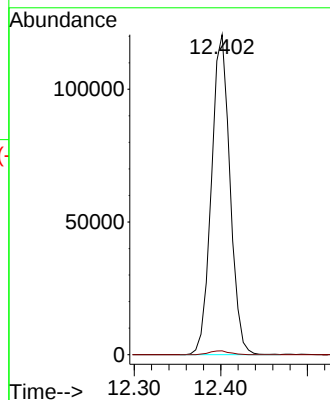
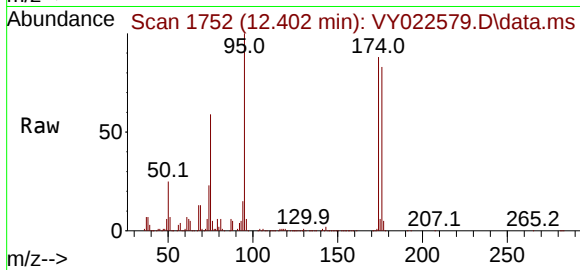
BU-703-VOC-04

Tgt Ion: 75 Resp: 179385

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.451 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022579.D

Acq: 05 Jun 2025 17:06

Tgt Ion: 75 Resp: 179385

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 35.7 53.5#

