

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022578.D
 Acq On : 05 Jun 2025 16:42
 Operator : SY/MD
 Sample : Q2207-20
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jun 06 01:26:59 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)

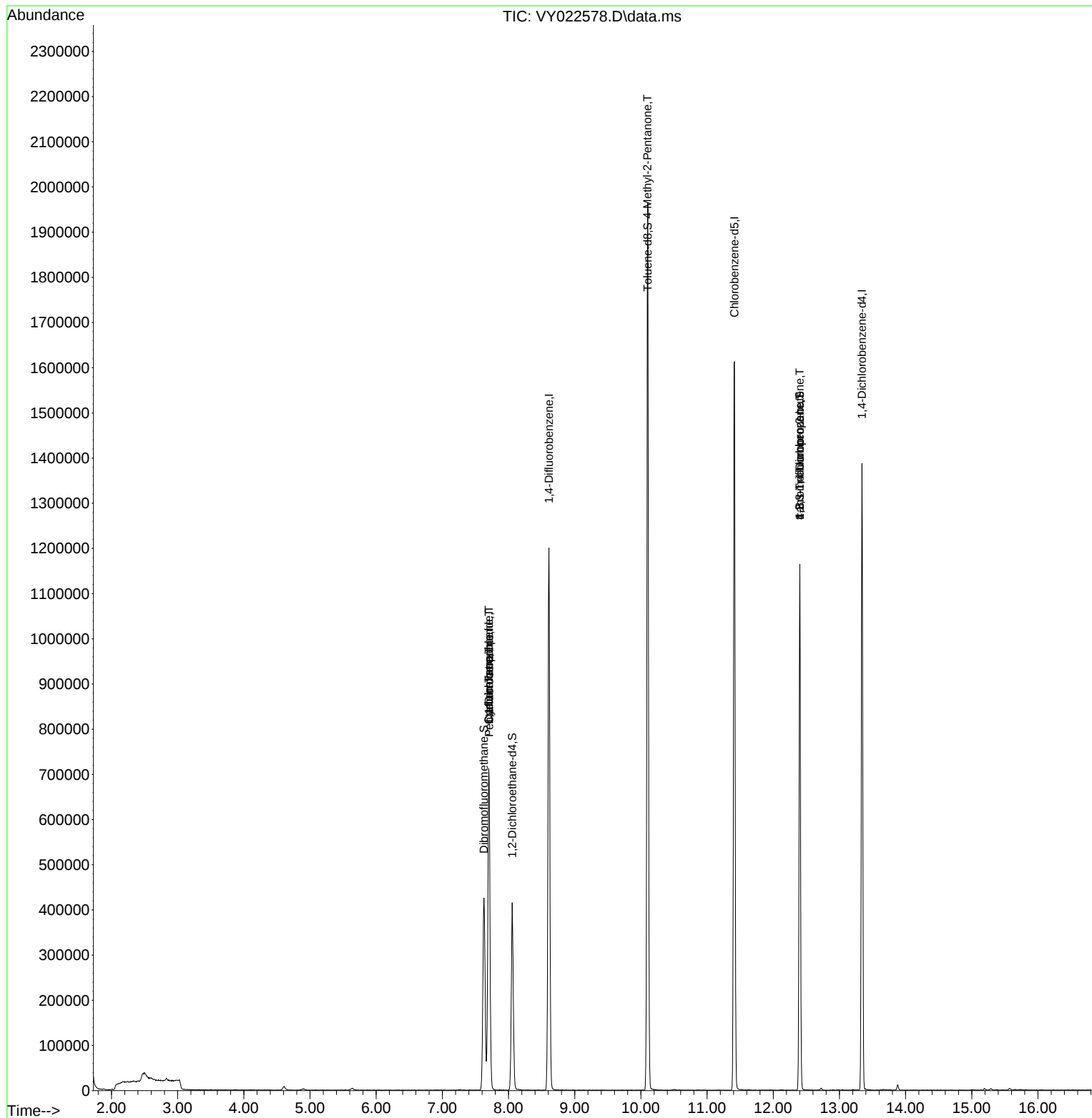
Internal Standards						
1) Pentafluorobenzene	7.707	168	513432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	960851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	799471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	306848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	286075	49.818	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.640%		
35) Dibromofluoromethane	7.628	113	286322	49.924	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.840%		
50) Toluene-d8	10.103	98	1175438	50.723	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.440%		
62) 4-Bromofluorobenzene	12.402	95	307971	44.604	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	89.200%		
Target Compounds						Qvalue
31) Cyclohexane	7.701	56	14365	1.302	ug/l #	4
36) 1,1-Dichloropropene	7.701	75	45790	4.919	ug/l #	50
38) Carbon Tetrachloride	7.701	117	53963	5.651	ug/l #	16
51) 4-Methyl-2-Pentanone	10.097	43	6039	1.351	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	182456	51.975	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	182456	125.517	ug/l #	10

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

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ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jun 06 01:26:59 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

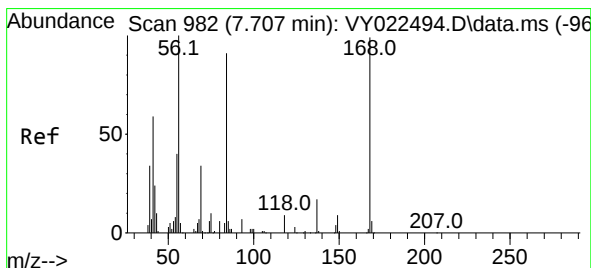
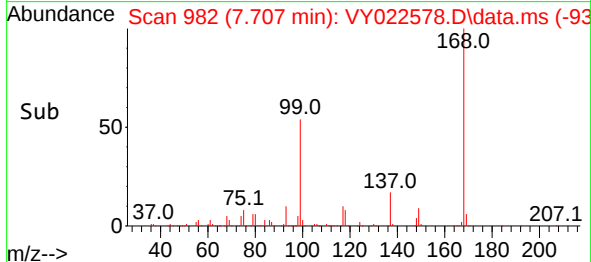
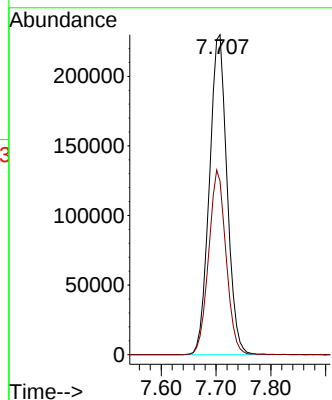
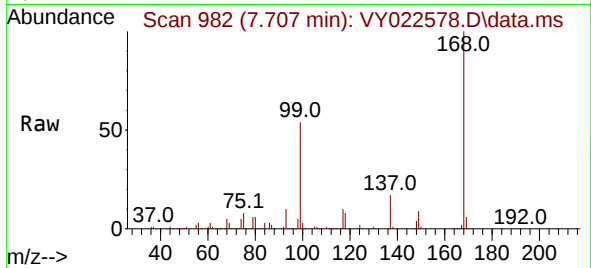




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022578.D
Acq: 05 Jun 2025 16:42

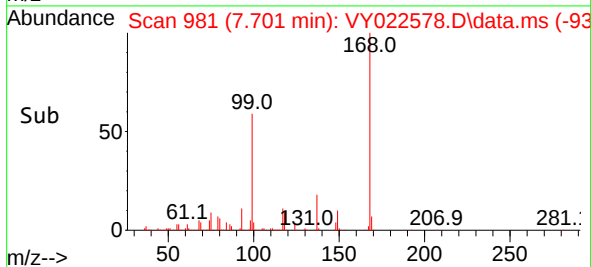
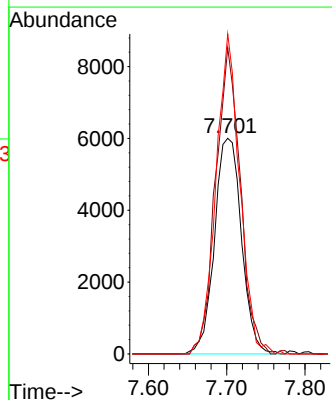
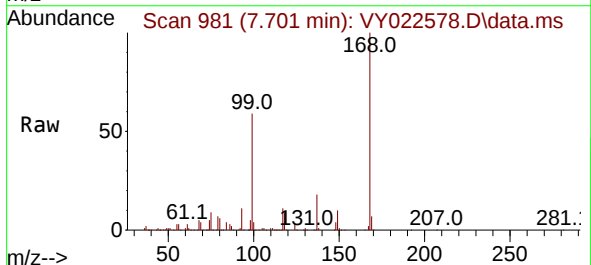
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-03

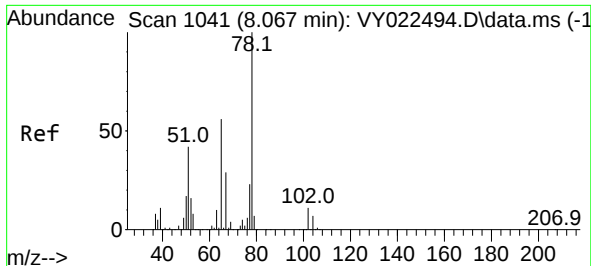
Tgt Ion:168 Resp: 513432
Ion Ratio Lower Upper
168 100
99 54.1 44.3 66.5



#31
Cyclohexane
Concen: 1.302 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022578.D
Acq: 05 Jun 2025 16:42

Tgt Ion: 56 Resp: 14365
Ion Ratio Lower Upper
56 100
69 142.1 27.0 40.6#
84 148.4 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 49.818 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY022578.D

Acq: 05 Jun 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

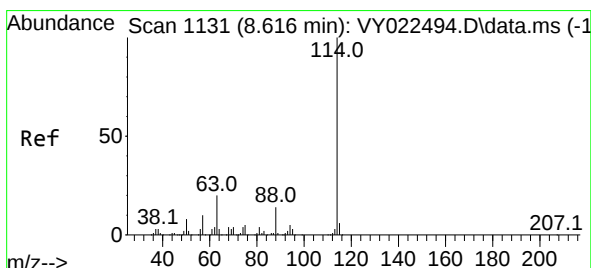
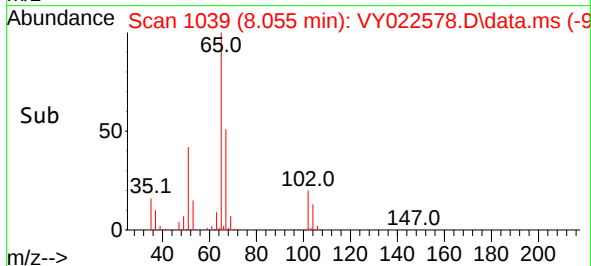
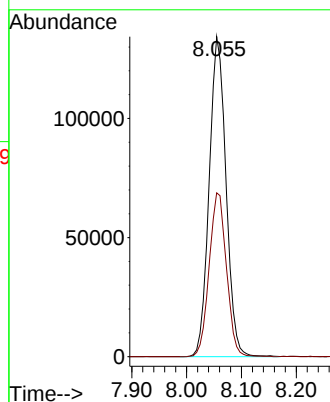
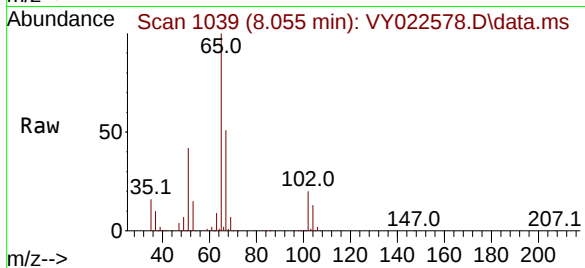
BU-703-VOC-03

Tgt Ion: 65 Resp: 286075

Ion Ratio Lower Upper

65 100

67 52.4 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: VY022578.D

Acq: 05 Jun 2025 16:42

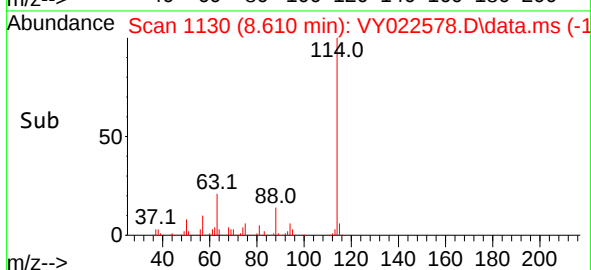
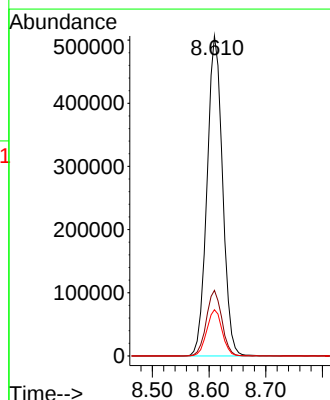
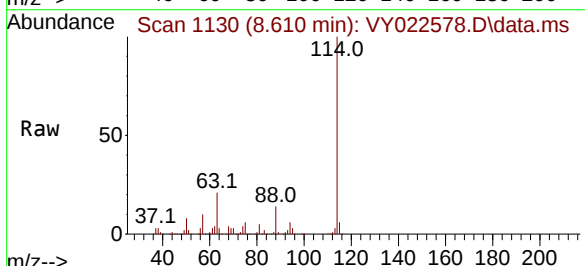
Tgt Ion: 114 Resp: 960851

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

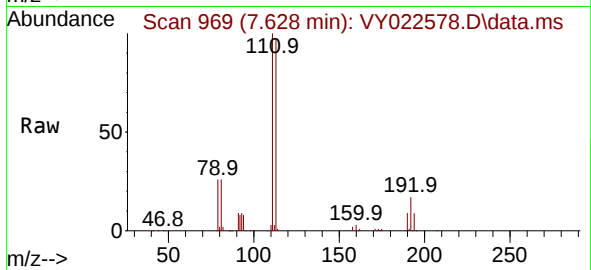
88 14.4 0.0 27.8



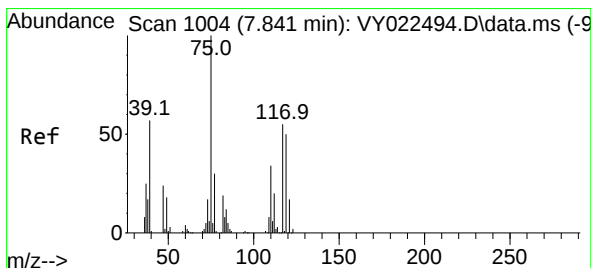
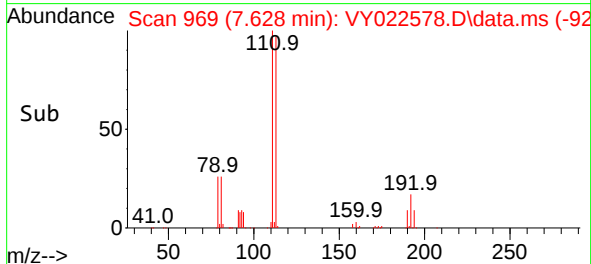
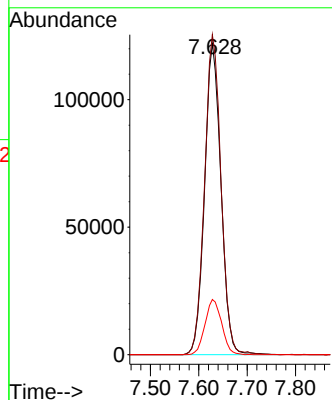


#35
Dibromofluoromethane
Concen: 49.924 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY022578.D
Acq: 05 Jun 2025 16:42

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

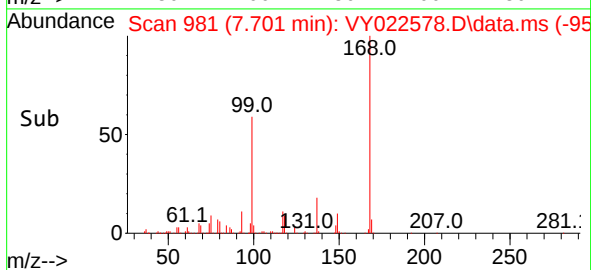
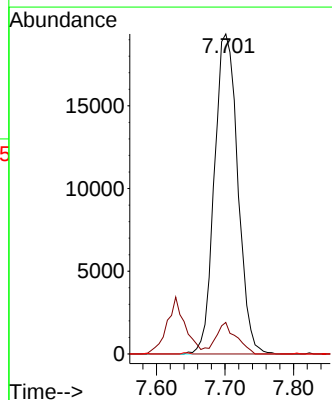
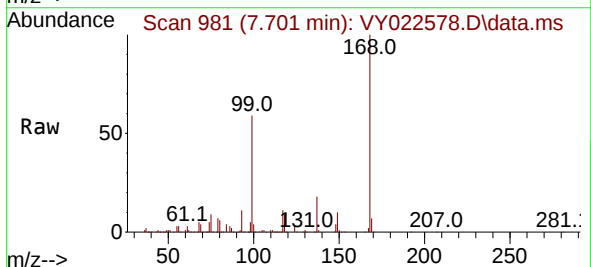


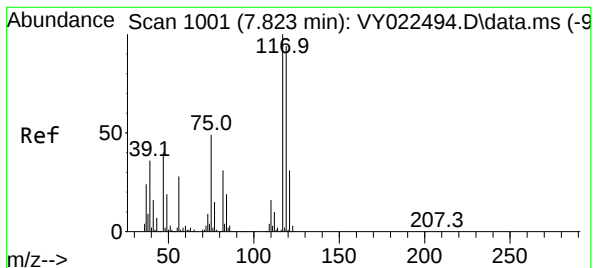
Tgt Ion:113 Resp: 286322
Ion Ratio Lower Upper
113 100
111 103.6 81.1 121.7
192 18.1 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.919 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022578.D
Acq: 05 Jun 2025 16:42

Tgt Ion: 75 Resp: 45790
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.7#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.651 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY022578.D

Acq: 05 Jun 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-03

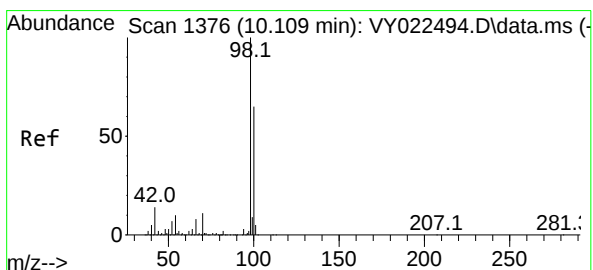
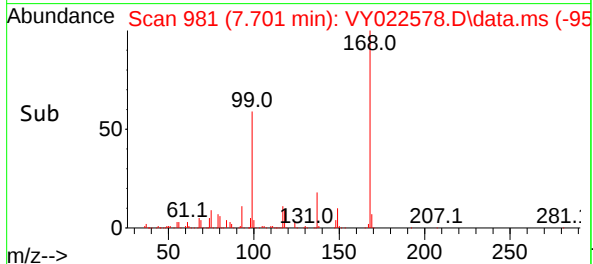
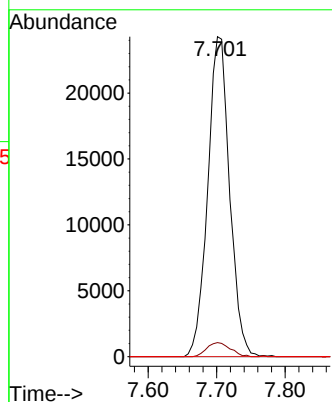
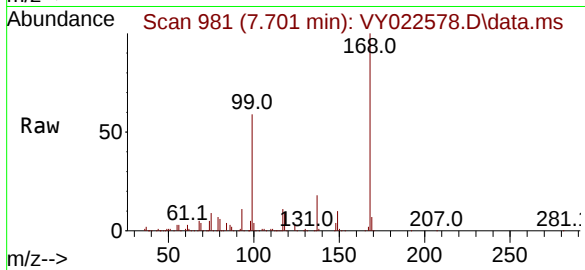
Tgt Ion:117 Resp: 53963

Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 50.723 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022578.D

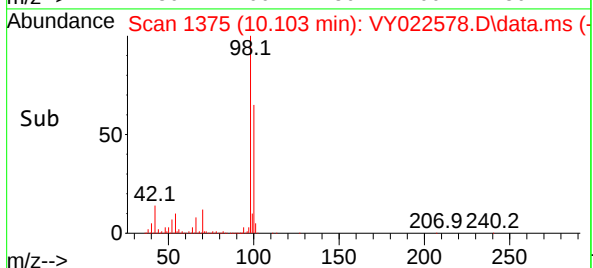
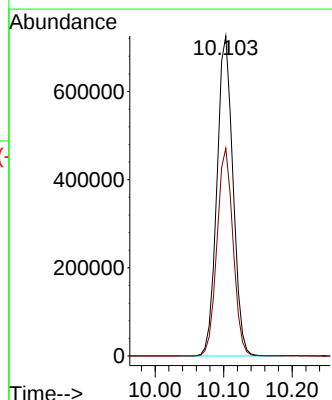
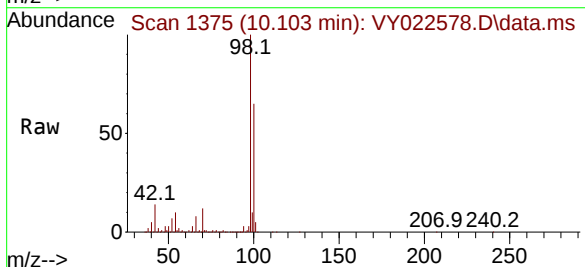
Acq: 05 Jun 2025 16:42

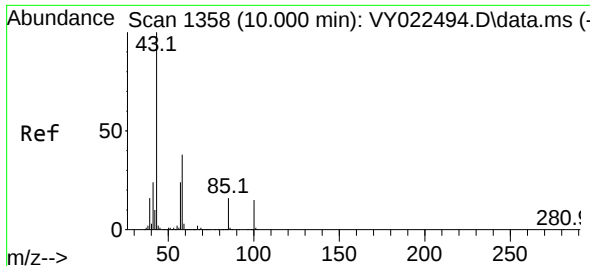
Tgt Ion: 98 Resp: 1175438

Ion Ratio Lower Upper

98 100

100 64.9 51.4 77.0

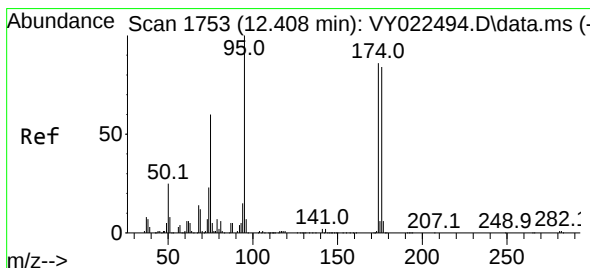
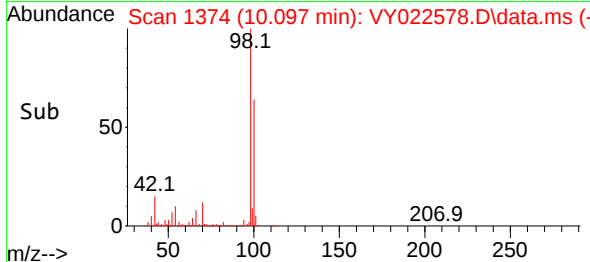
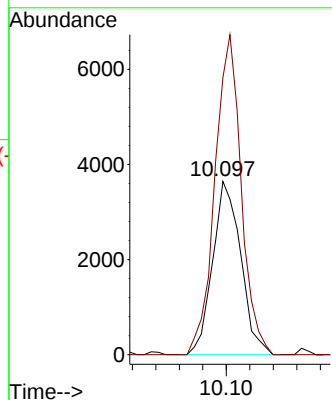
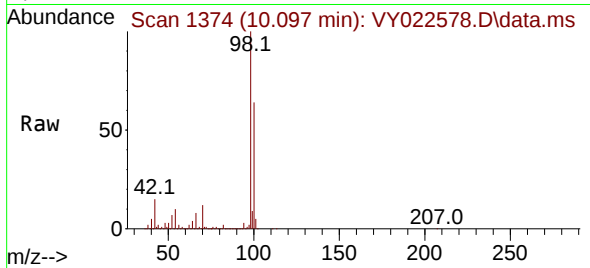




#51
4-Methyl-2-Pentanone
Concen: 1.351 ug/l
RT: 10.097 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022578.D
Acq: 05 Jun 2025 16:42

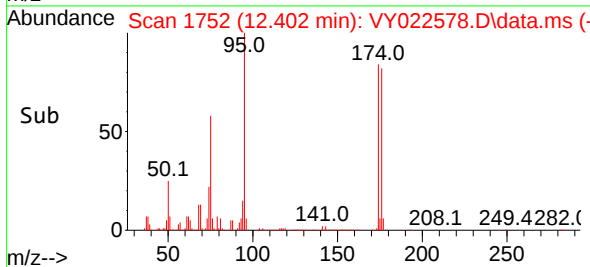
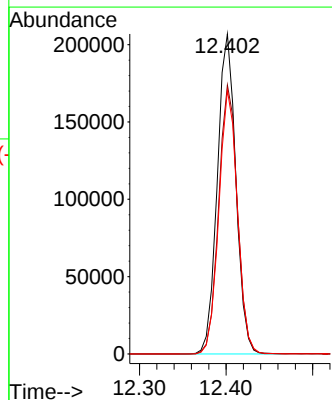
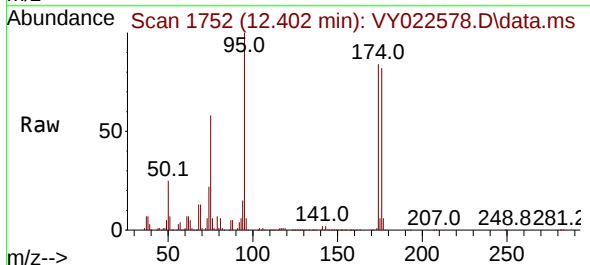
Instrument :
MSVOA_Y
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BU-703-VOC-03

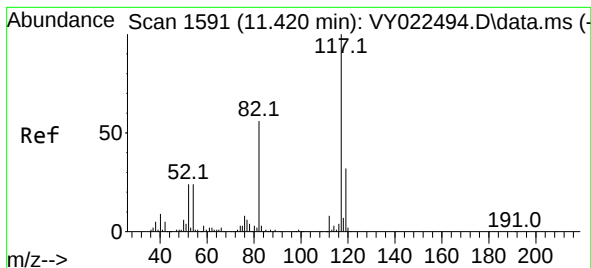
Tgt Ion: 43 Resp: 6039
Ion Ratio Lower Upper
43 100
58 173.8 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 44.604 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022578.D
Acq: 05 Jun 2025 16:42

Tgt Ion: 95 Resp: 307971
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.0
176 82.4 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: VY022578.D

Acq: 05 Jun 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-03

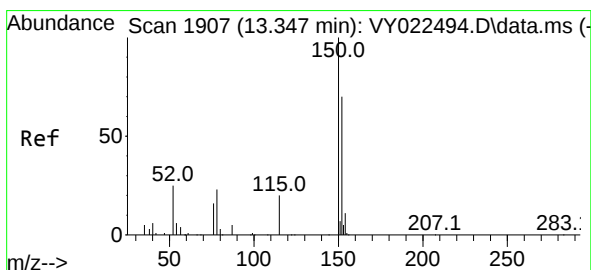
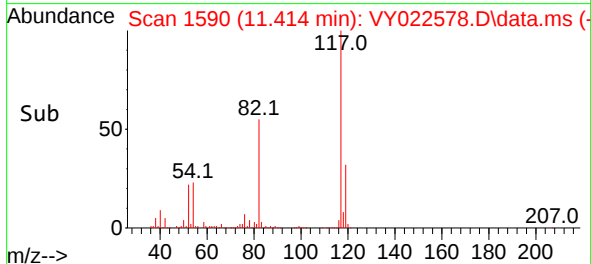
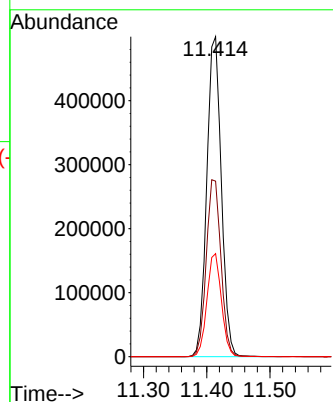
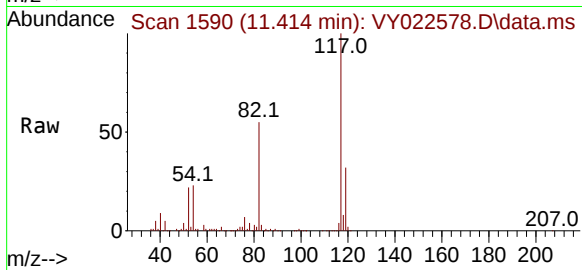
Tgt Ion:117 Resp: 799471

Ion Ratio Lower Upper

117 100

82 54.8 44.6 66.8

119 32.2 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: VY022578.D

Acq: 05 Jun 2025 16:42

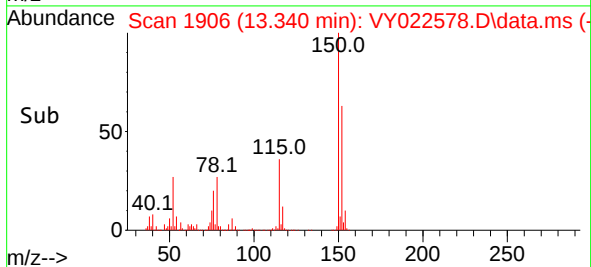
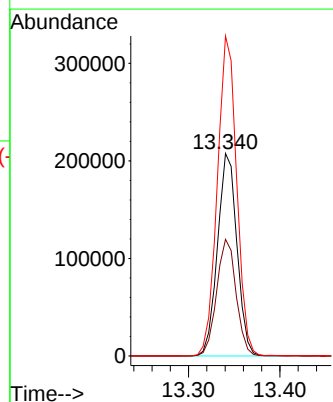
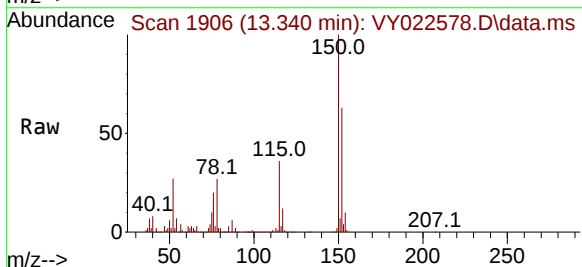
Tgt Ion:152 Resp: 306848

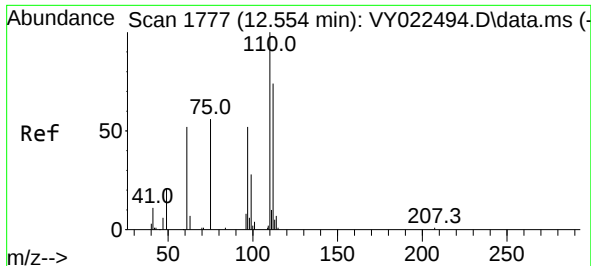
Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.7

150 157.4 0.0 349.6

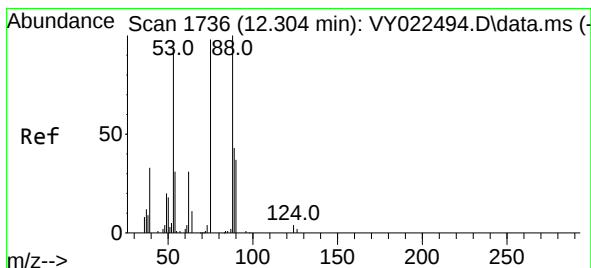
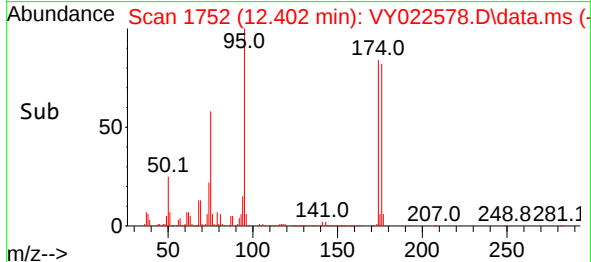
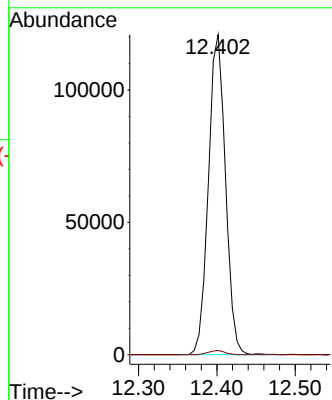
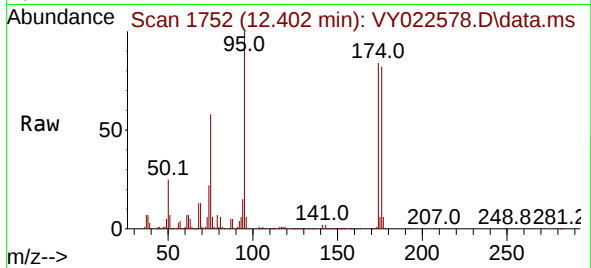




#76
1,2,3-Trichloropropane
Concen: 51.975 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022578.D
Acq: 05 Jun 2025 16:42

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

Tgt Ion: 75 Resp: 182456
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.517 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022578.D
Acq: 05 Jun 2025 16:42

Tgt Ion: 75 Resp: 182456
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.0 35.7 53.5#

