

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
 Data File : VY022476.D
 Acq On : 30 May 2025 14:18
 Operator : SY/MD
 Sample : Q2151-03
 Misc : 5.80g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

Quant Time: May 31 02:27:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

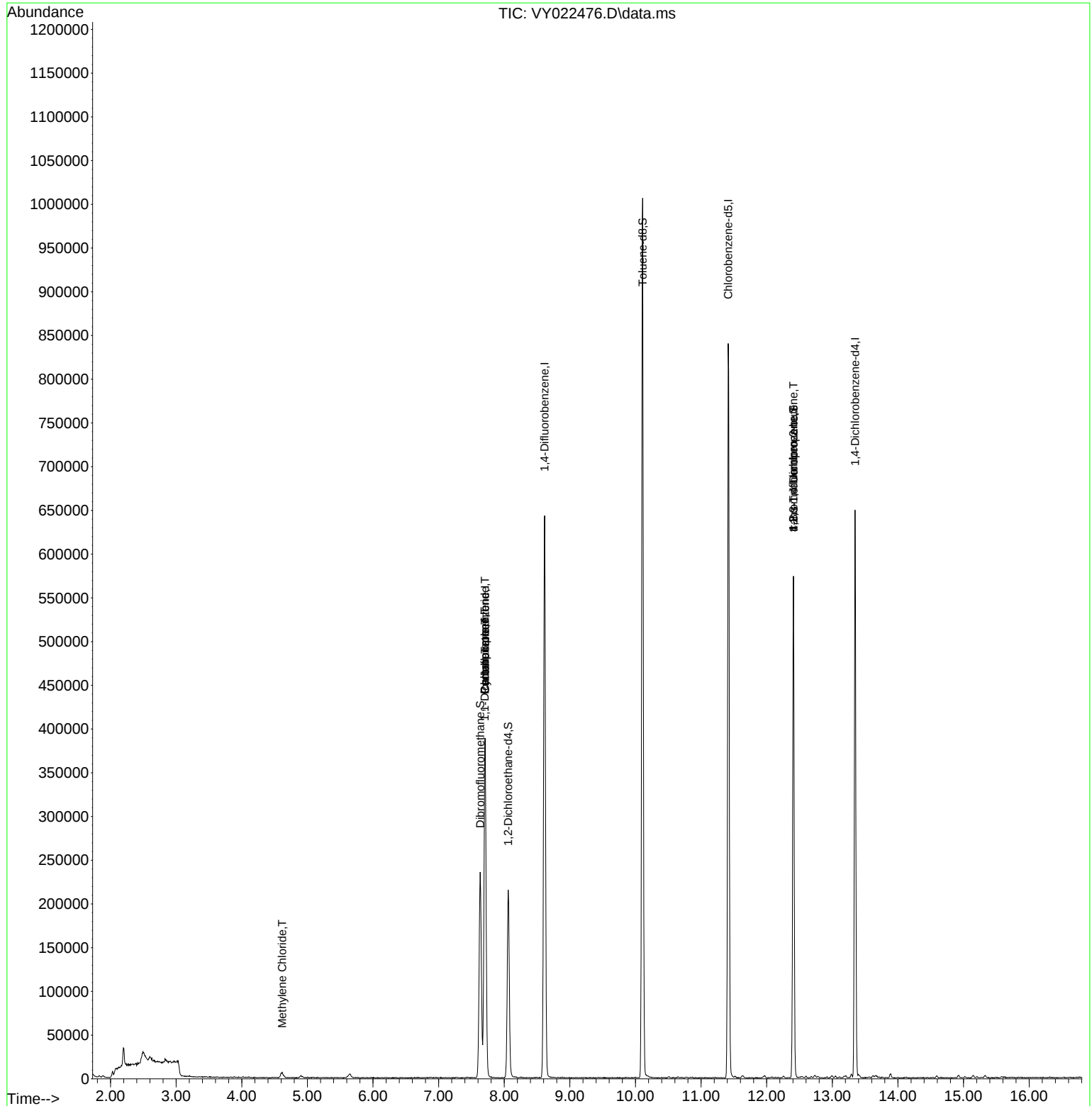
Internal Standards						
1) Pentafluorobenzene	7.707	168	289056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	534669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	415087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162203	53.275	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.540%	
35) Dibromofluoromethane	7.634	113	161134	51.461	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.920%	
50) Toluene-d8	10.109	98	636881	49.895	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.780%	
62) 4-Bromofluorobenzene	12.408	95	155914	40.381	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.760%	
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	3591	1.016	ug/l	92
31) Cyclohexane	7.707	56	8108	1.384	ug/l #	39
36) 1,1-Dichloropropene	7.701	75	25422	5.116	ug/l #	49
38) Carbon Tetrachloride	7.707	117	29402	5.681	ug/l #	15
76) 1,2,3-Trichloropropane	12.408	75	92469	63.940	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	92469	144.598	ug/l #	12

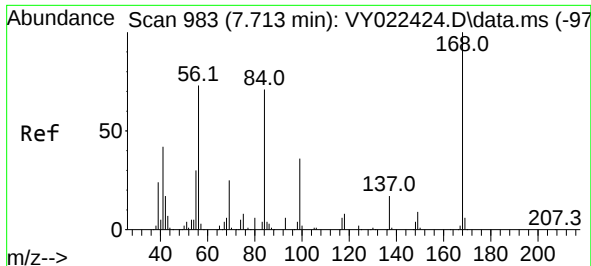
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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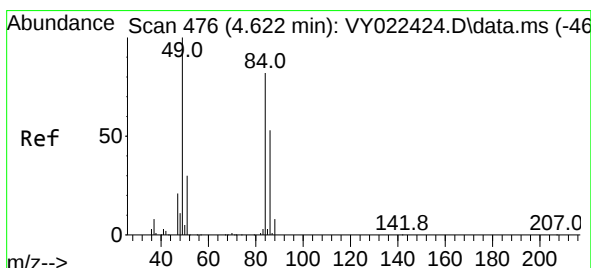
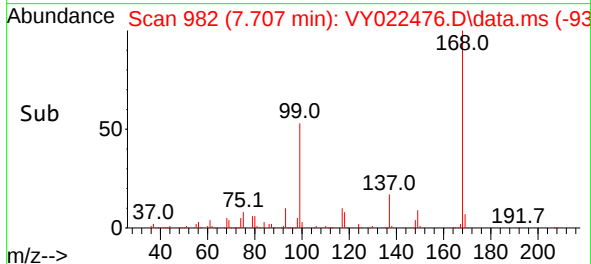
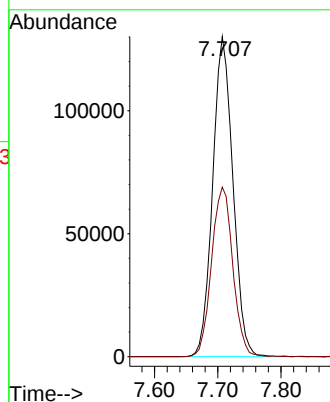
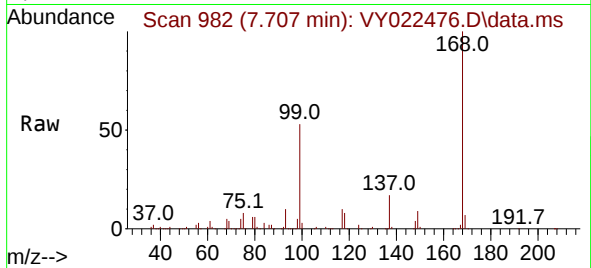




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022476.D
Acq: 30 May 2025 14:18

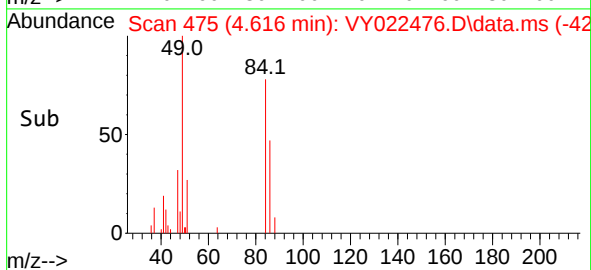
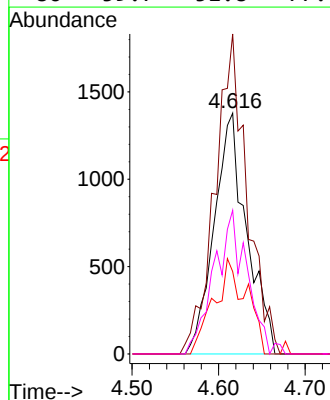
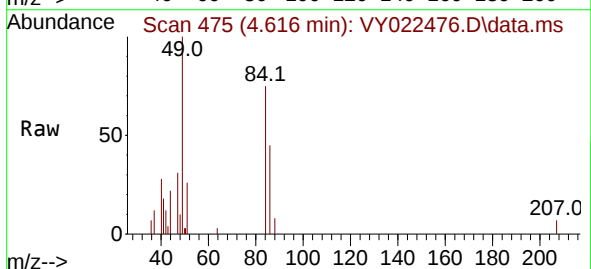
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

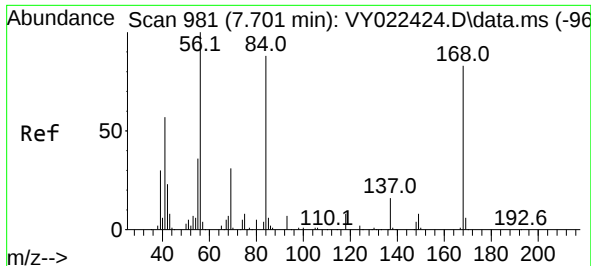
Tgt Ion:168 Resp: 289056
Ion Ratio Lower Upper
168 100
99 53.0 44.7 67.1



#20
Methylene Chloride
Concen: 1.016 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022476.D
Acq: 30 May 2025 14:18

Tgt Ion: 84 Resp: 3591
Ion Ratio Lower Upper
84 100
49 132.8 97.8 146.8
51 34.2 29.5 44.3
86 59.7 51.8 77.6

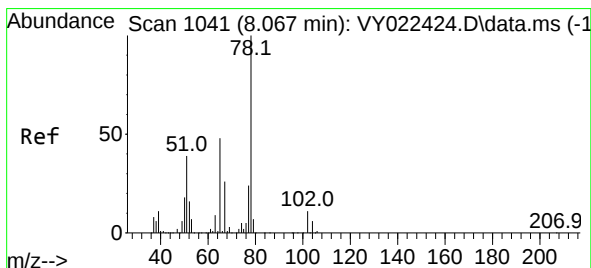
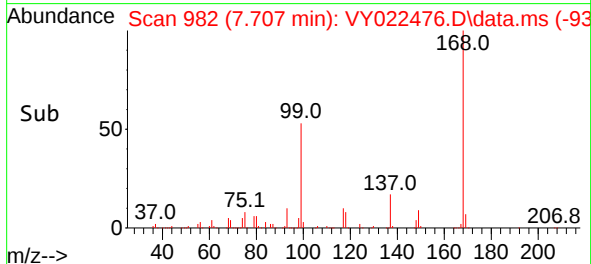
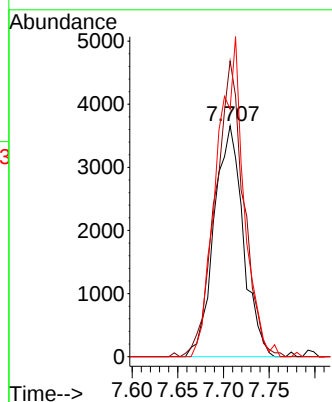
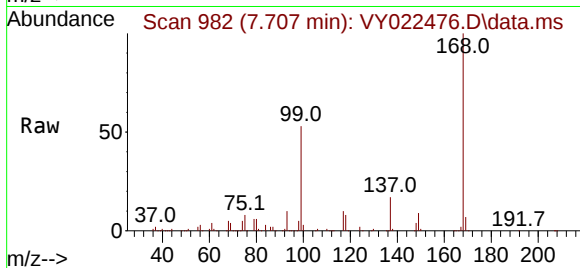




#31
Cyclohexane
Concen: 1.384 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022476.D
Acq: 30 May 2025 14:18

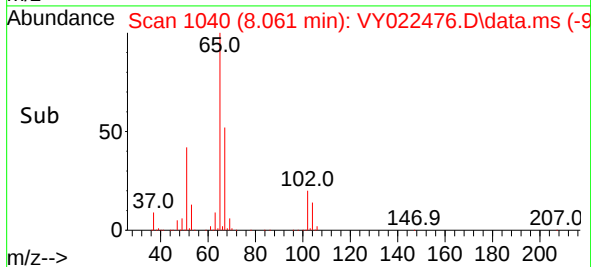
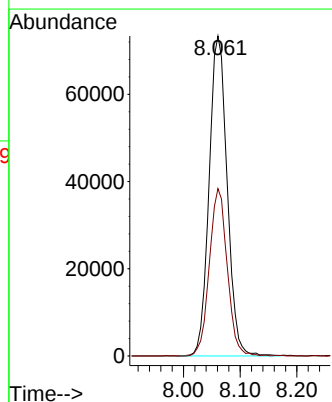
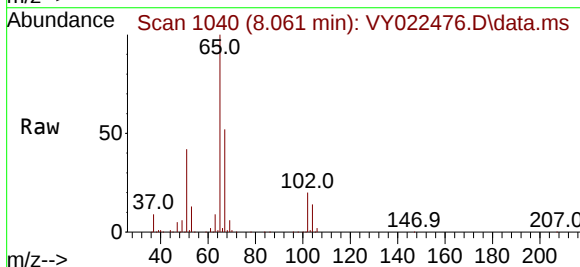
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

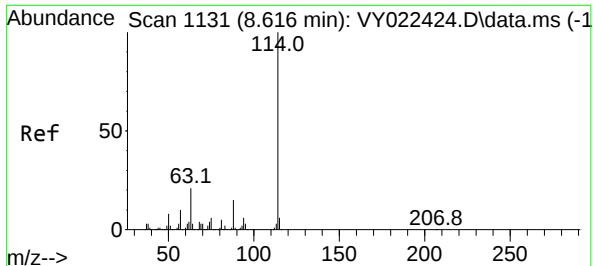
Tgt Ion: 56 Resp: 8108
Ion Ratio Lower Upper
56 100
69 128.1 24.6 36.8#
84 107.2 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 53.275 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022476.D
Acq: 30 May 2025 14:18

Tgt Ion: 65 Resp: 162203
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022476.D

Acq: 30 May 2025 14:18

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

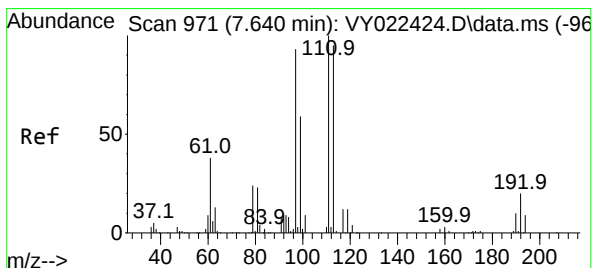
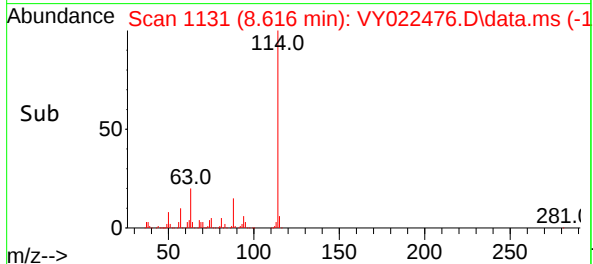
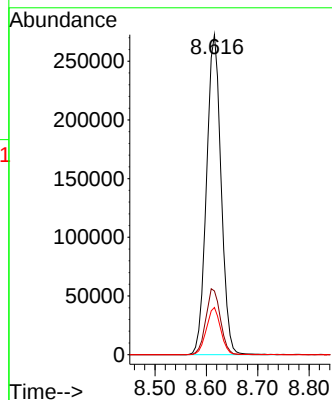
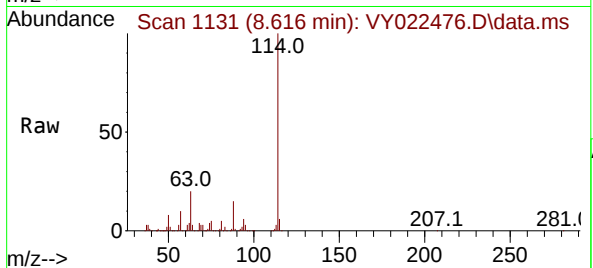
Tgt Ion:114 Resp: 534669

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

88 14.7 0.0 29.4



#35

Dibromofluoromethane

Concen: 51.461 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022476.D

Acq: 30 May 2025 14:18

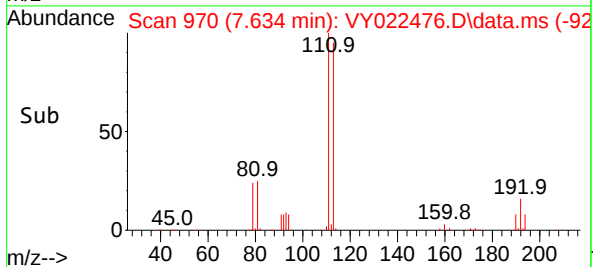
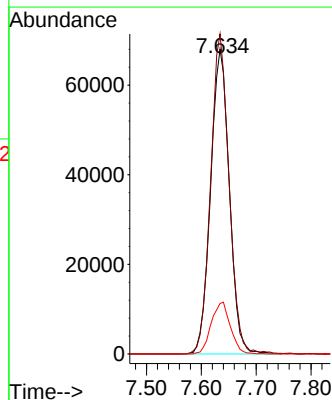
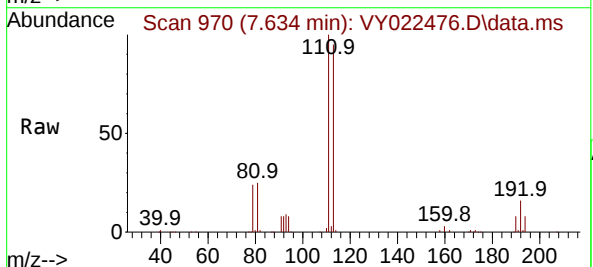
Tgt Ion:113 Resp: 161134

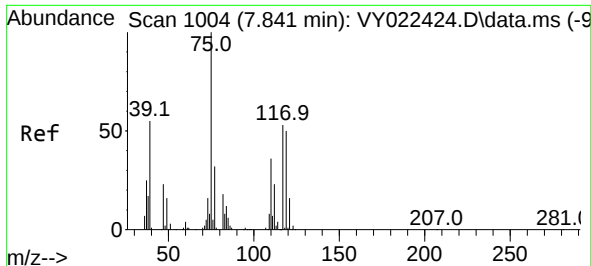
Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

192 17.4 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.116 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022476.D

Acq: 30 May 2025 14:18

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

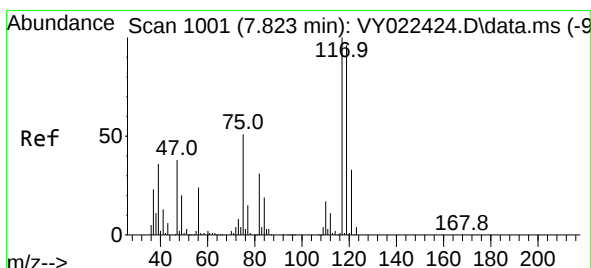
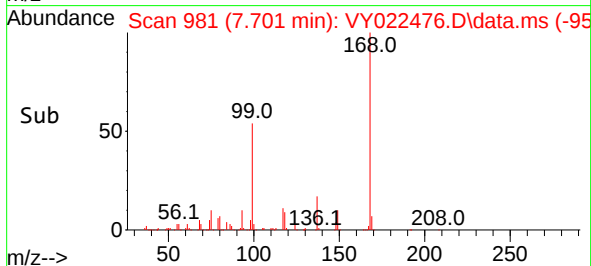
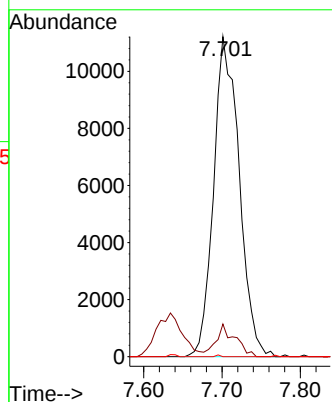
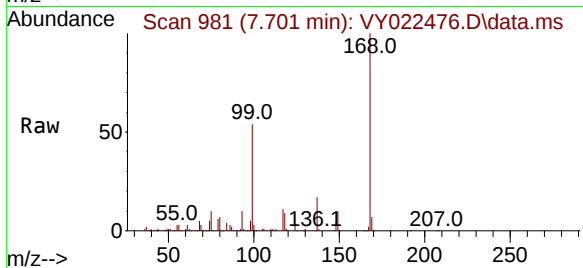
Tgt Ion: 75 Resp: 25422

Ion Ratio Lower Upper

75 100

110 7.5 17.1 51.2#

77 0.1 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.681 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022476.D

Acq: 30 May 2025 14:18

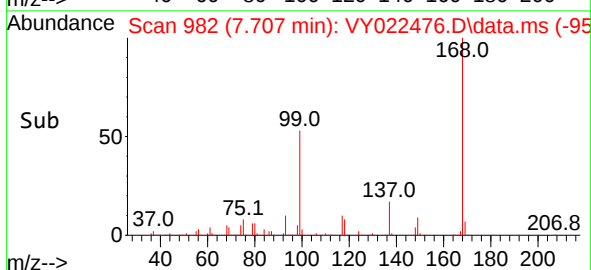
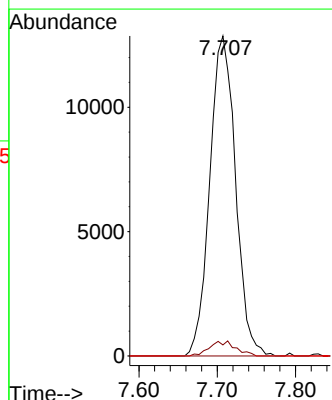
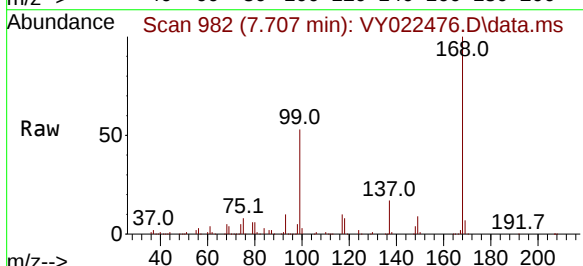
Tgt Ion: 117 Resp: 29402

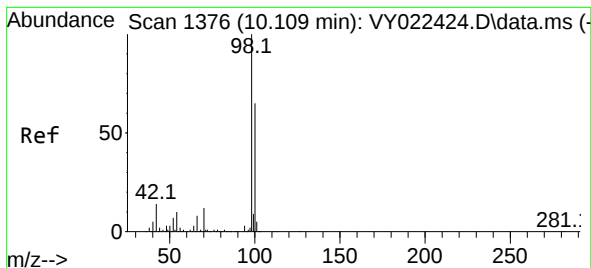
Ion Ratio Lower Upper

117 100

119 3.5 76.3 114.5#

121 0.0 26.1 39.1#





#50

Toluene-d8

Concen: 49.895 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY022476.D

Acq: 30 May 2025 14:18

Instrument :

MSVOA_Y

ClientSampleId :

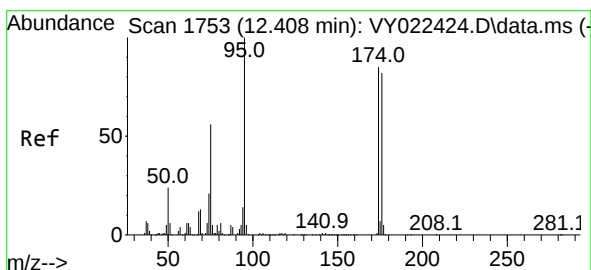
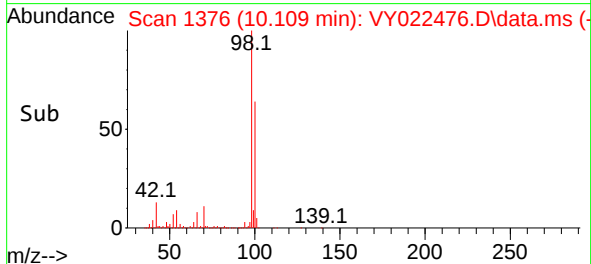
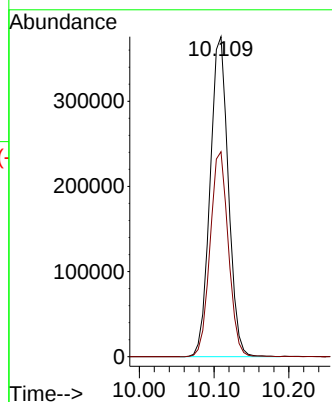
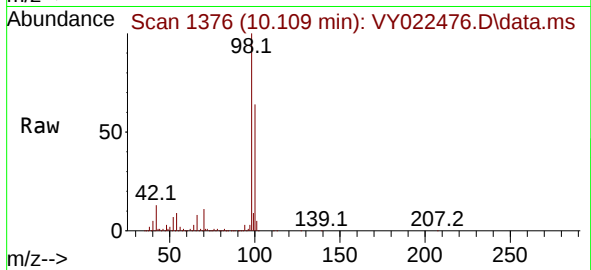
WC-1-VOC

Tgt Ion: 98 Resp: 636881

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 40.381 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY022476.D

Acq: 30 May 2025 14:18

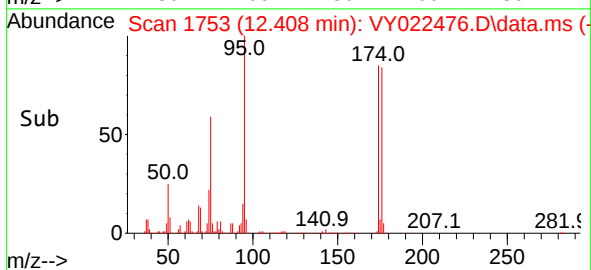
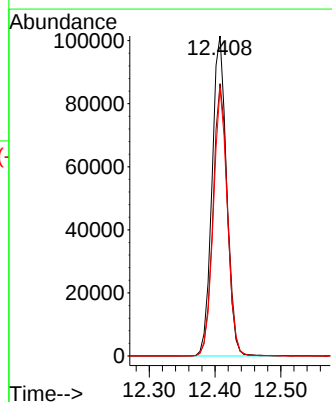
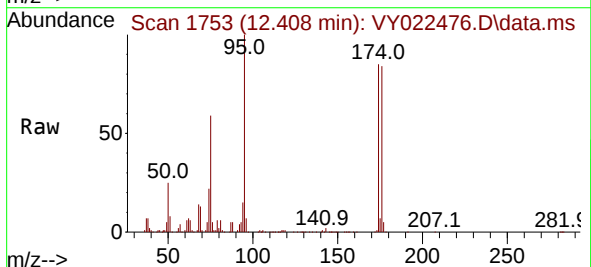
Tgt Ion: 95 Resp: 155914

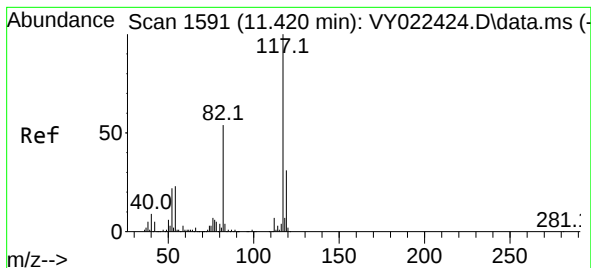
Ion Ratio Lower Upper

95 100

174 85.4 0.0 171.6

176 80.8 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022476.D

Acq: 30 May 2025 14:18

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

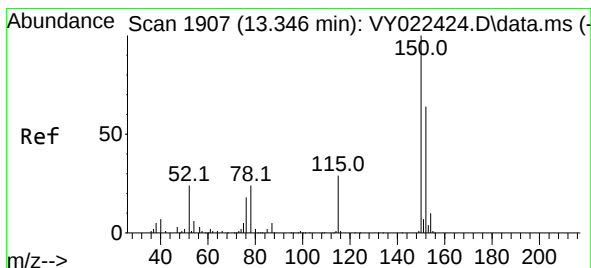
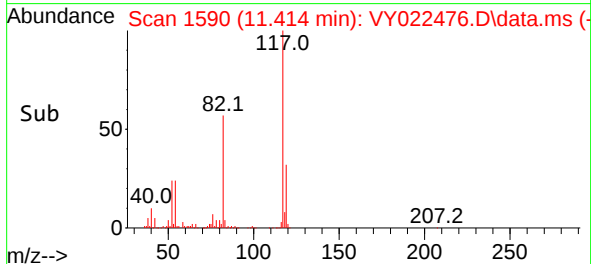
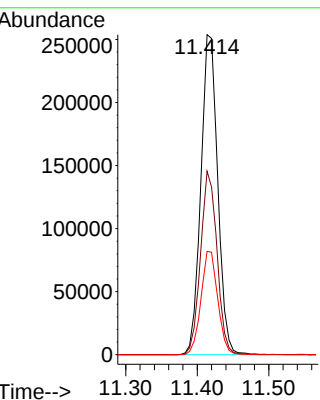
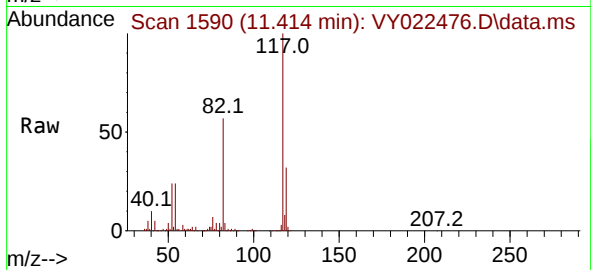
Tgt Ion:117 Resp: 415087

Ion Ratio Lower Upper

117 100

82 57.4 43.3 64.9

119 32.3 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022476.D

Acq: 30 May 2025 14:18

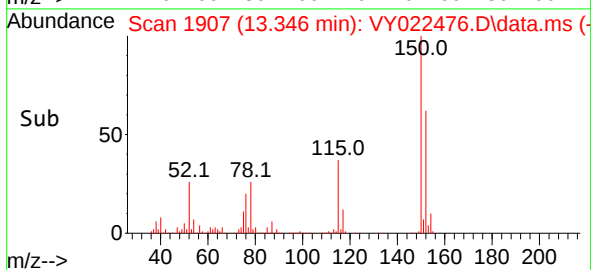
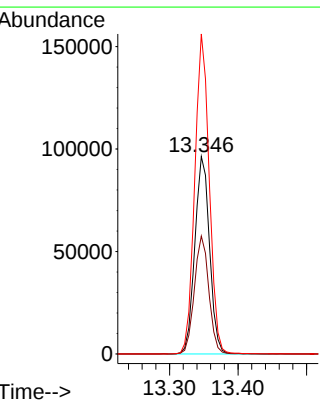
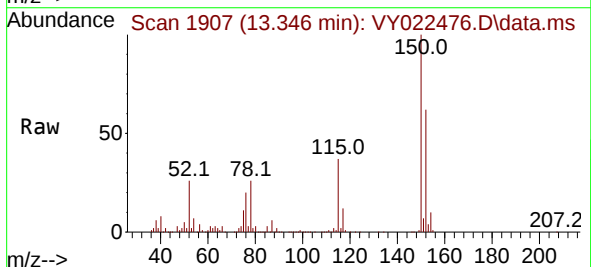
Tgt Ion:152 Resp: 144378

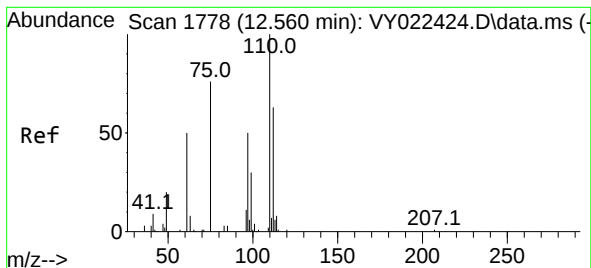
Ion Ratio Lower Upper

152 100

115 58.7 28.4 85.3

150 159.2 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 63.940 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY022476.D

Acq: 30 May 2025 14:18

Instrument :

MSVOA_Y

ClientSampleId :

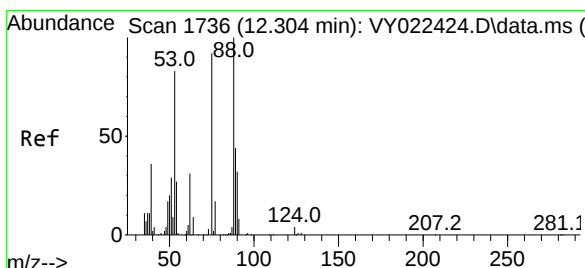
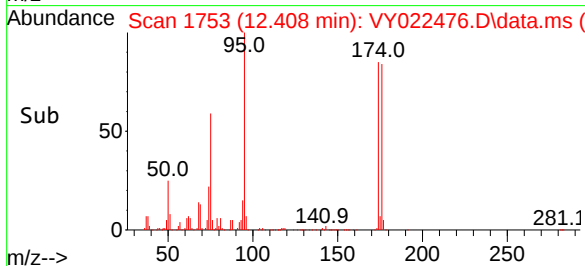
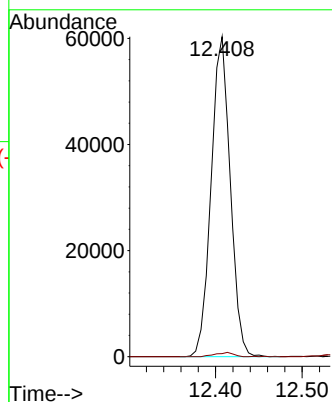
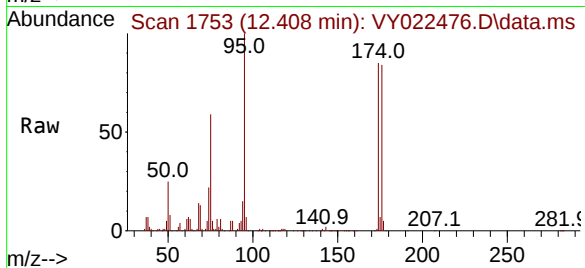
WC-1-VOC

Tgt Ion: 75 Resp: 92469

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 144.598 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY022476.D

Acq: 30 May 2025 14:18

Tgt Ion: 75 Resp: 92469

Ion Ratio Lower Upper

75 100

53 0.0 75.1 112.7#

89 0.0 37.4 56.0#

