

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022101.D
 Acq On : 01 May 2025 12:41
 Operator : SY/MD
 Sample : Q1916-03
 Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-12-VOC

Quant Time: May 02 01:29:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

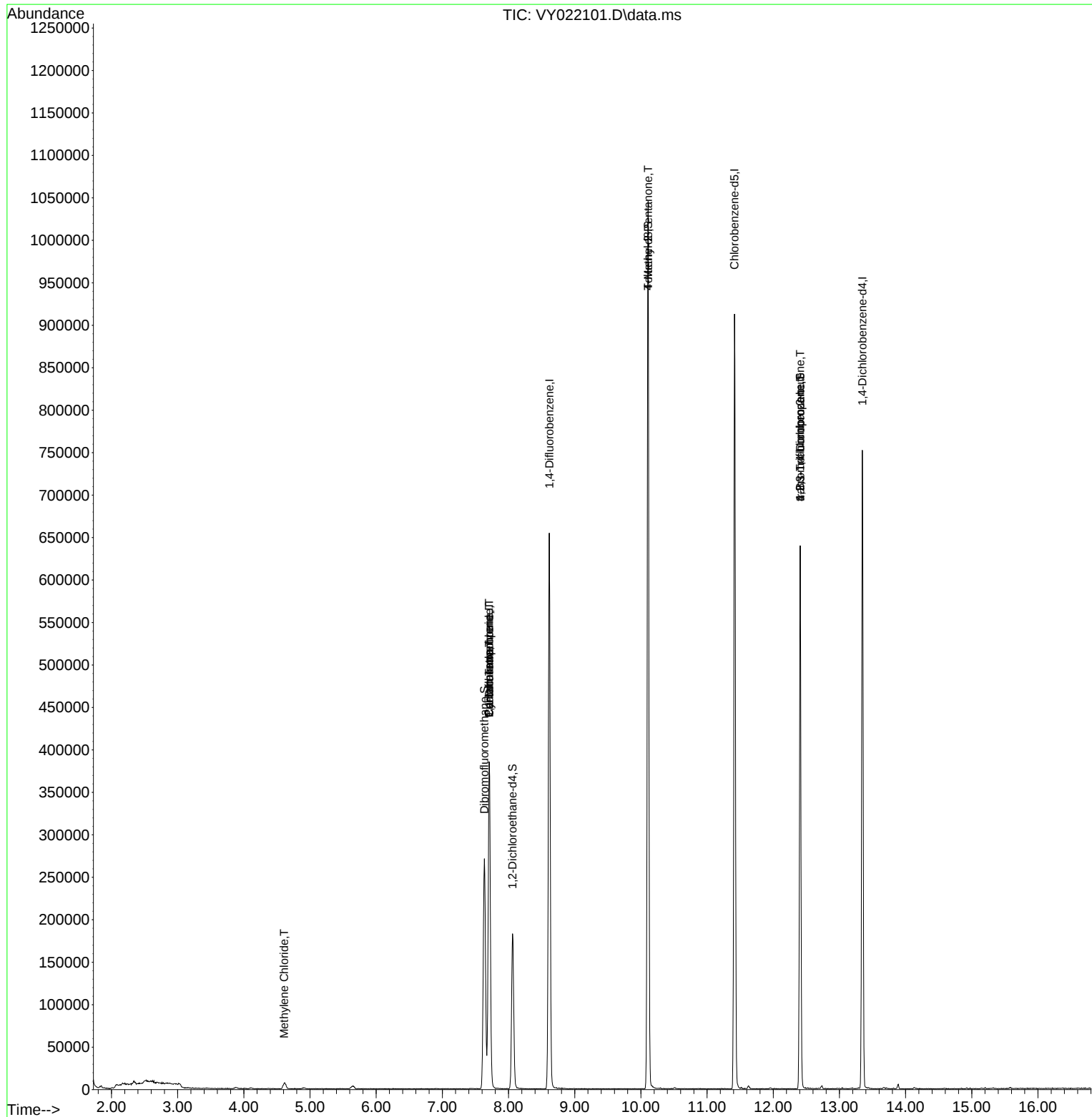
Internal Standards						
1) Pentafluorobenzene	7.707	168	310146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	581141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	521540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	198625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144212	50.340	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	100.680%	
35) Dibromofluoromethane	7.634	113	196023	51.057	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	102.120%	
50) Toluene-d8	10.109	98	693134	47.887	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	95.780%	
62) 4-Bromofluorobenzene	12.408	95	191657	39.333	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	78.660%	
Target Compounds						Qvalue
16) Acetone	3.872	43	2967	Below Cal		91
20) Methylene Chloride	4.610	84	5901	1.629	ug/l	92
31) Cyclohexane	7.707	56	5402	1.141	ug/l #	5
36) 1,1-Dichloropropene	7.707	75	21625	4.193	ug/l #	49
38) Carbon Tetrachloride	7.707	117	29885	4.849	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	2255	1.209	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	93779	55.121	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	93779	132.740	ug/l #	16

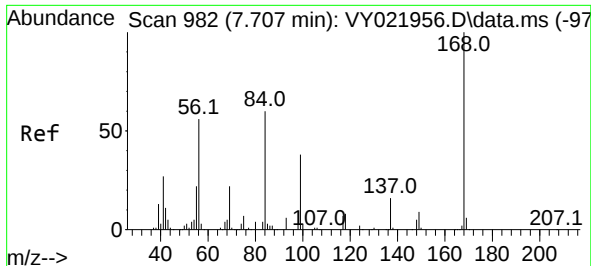
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022101.D
Acq On : 01 May 2025 12:41
Operator : SY/MD
Sample : Q1916-03
Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-12-VOC

Quant Time: May 02 01:29:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

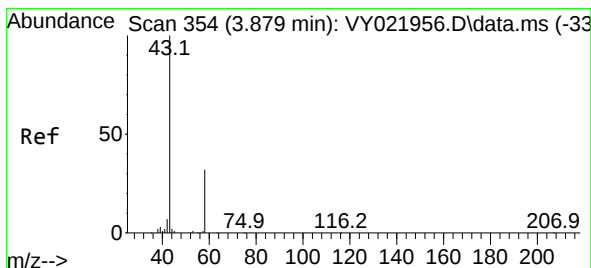
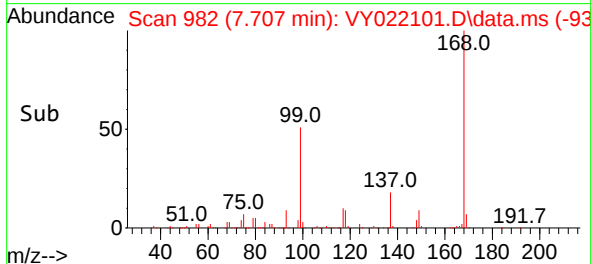
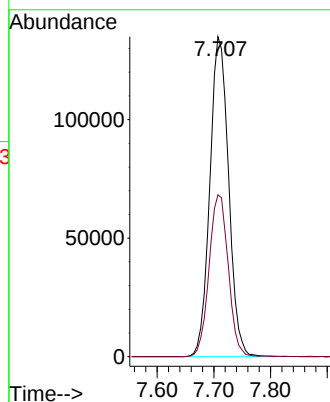
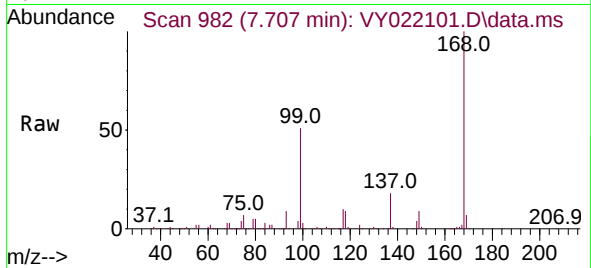




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022101.D
Acq: 01 May 2025 12:41

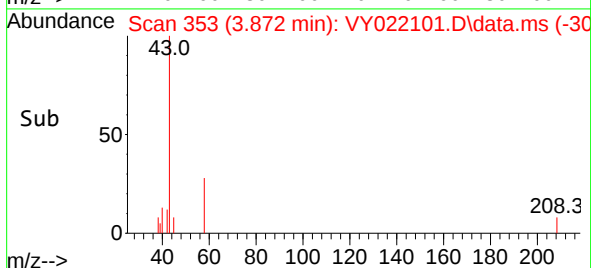
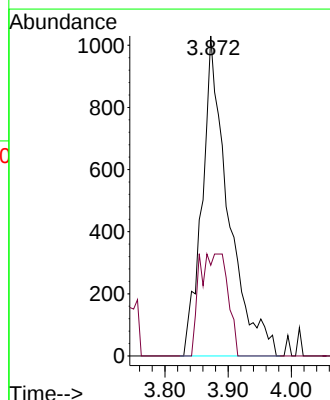
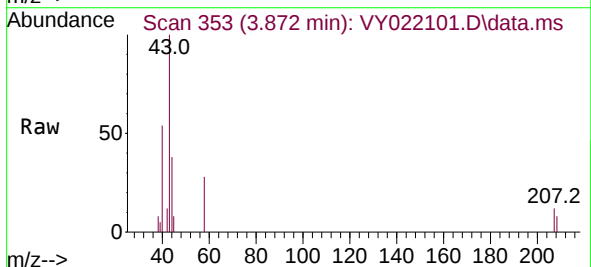
Instrument :
MSVOA_Y
ClientSampleId :
WC-12-VOC

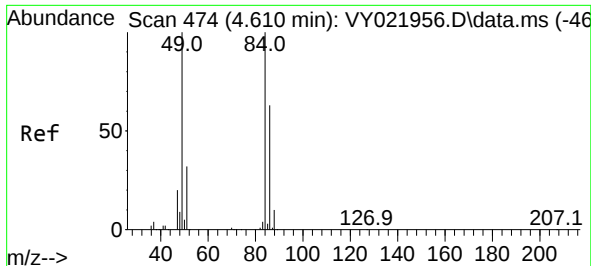
Tgt Ion:168 Resp: 310146
Ion Ratio Lower Upper
168 100
99 50.6 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022101.D
Acq: 01 May 2025 12:41

Tgt Ion: 43 Resp: 2967
Ion Ratio Lower Upper
43 100
58 28.3 27.0 40.4





#20

Methylene Chloride

Concen: 1.629 ug/l

RT: 4.610 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY022101.D

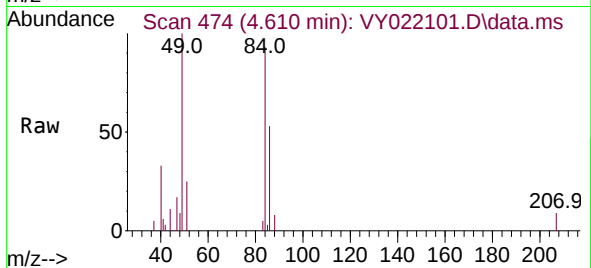
Acq: 01 May 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

WC-12-VOC



Tgt Ion: 84 Resp: 5901

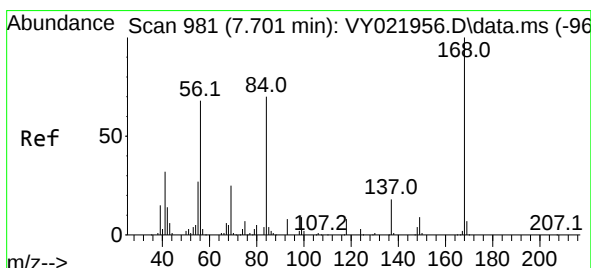
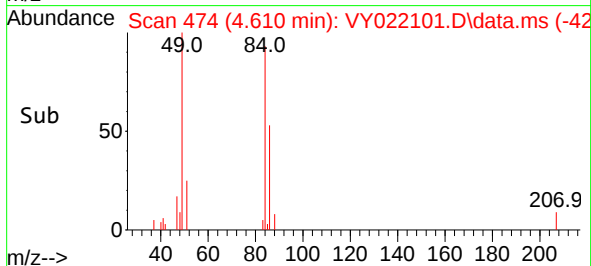
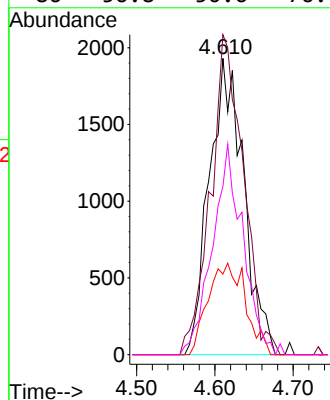
Ion Ratio Lower Upper

84 100

49 108.0 79.9 119.9

51 27.2 25.4 38.0

86 56.8 50.6 76.0



#31

Cyclohexane

Concen: 1.141 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY022101.D

Acq: 01 May 2025 12:41

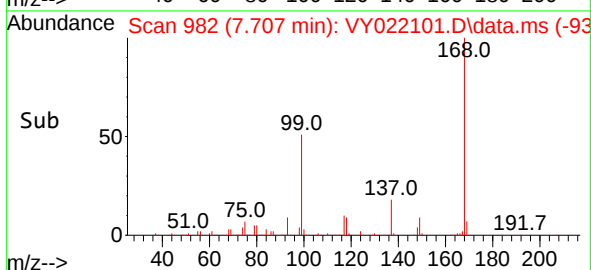
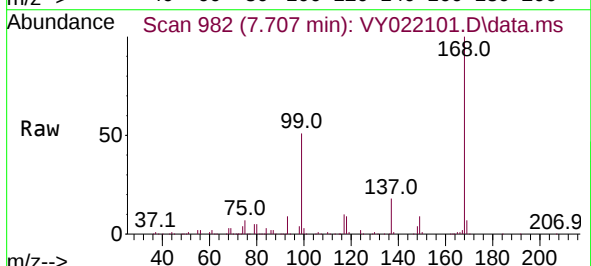
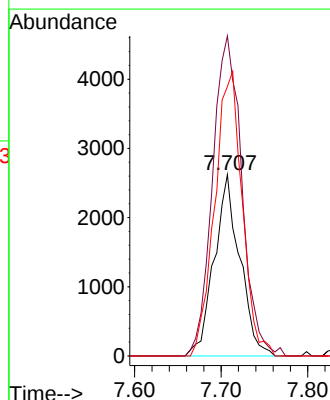
Tgt Ion: 56 Resp: 5402

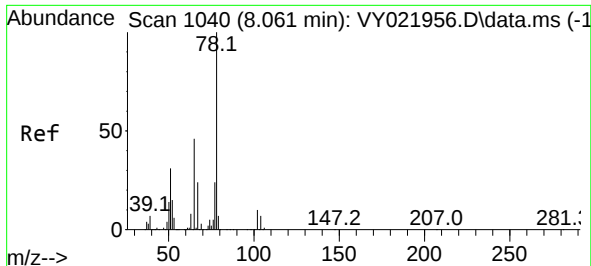
Ion Ratio Lower Upper

56 100

69 176.5 29.4 44.2#

84 148.6 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 50.340 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022101.D

Acq: 01 May 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

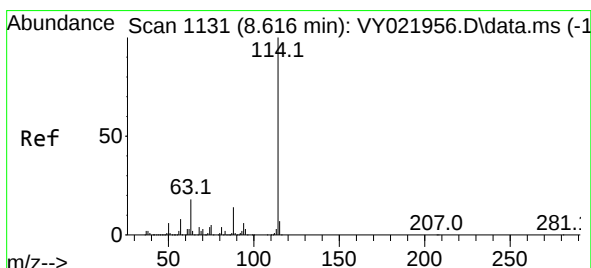
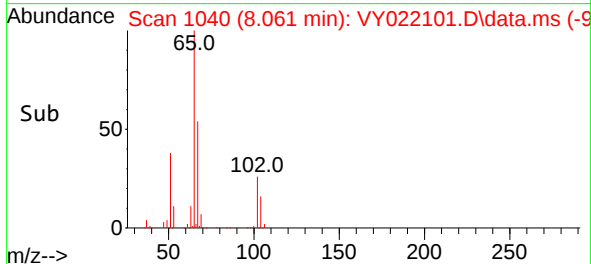
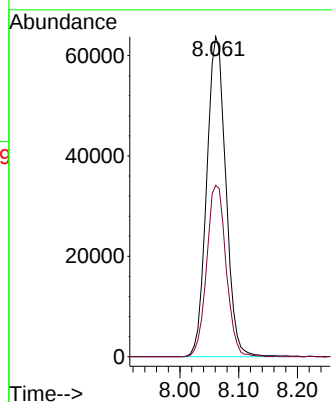
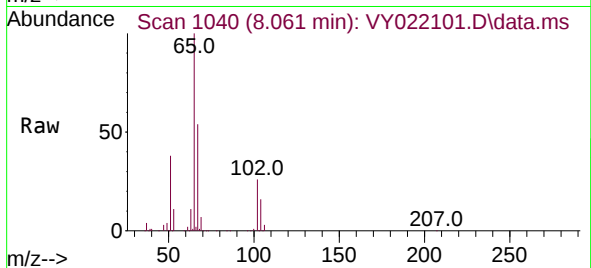
WC-12-VOC

Tgt Ion: 65 Resp: 144212

Ion Ratio Lower Upper

65 100

67 54.4 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022101.D

Acq: 01 May 2025 12:41

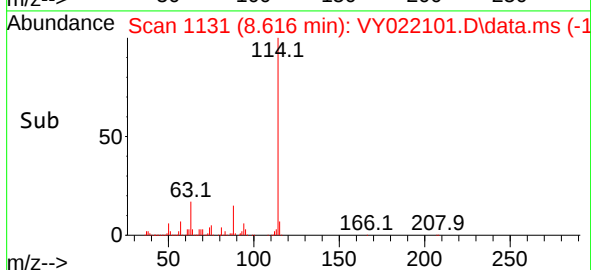
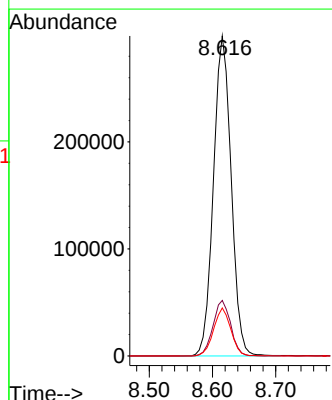
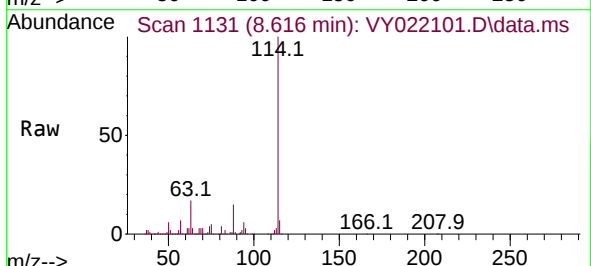
Tgt Ion: 114 Resp: 581141

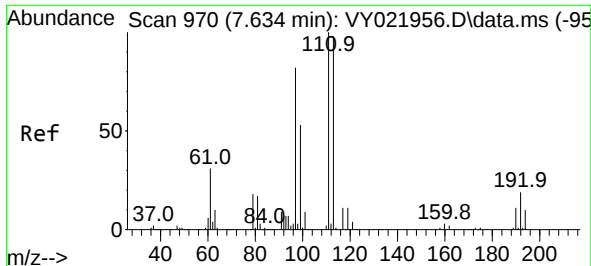
Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

88 15.0 0.0 28.2

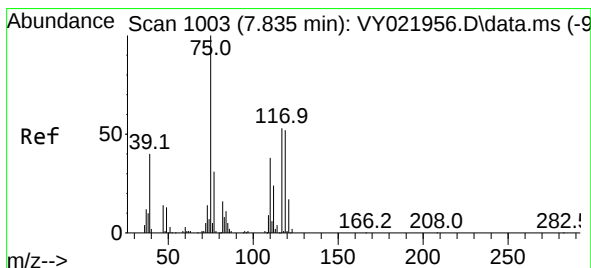
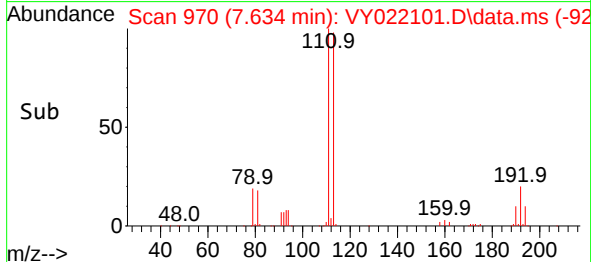
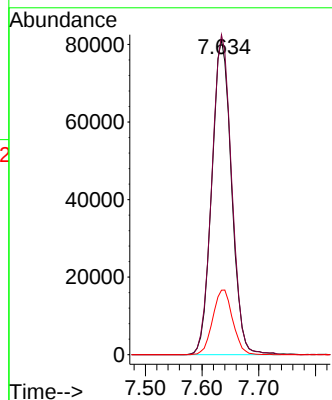
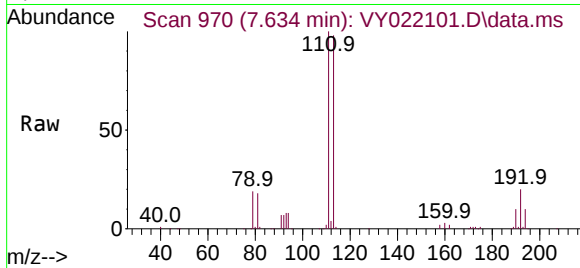




#35
Dibromofluoromethane
Concen: 51.057 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022101.D
Acq: 01 May 2025 12:41

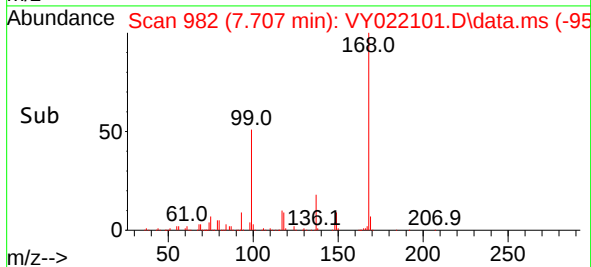
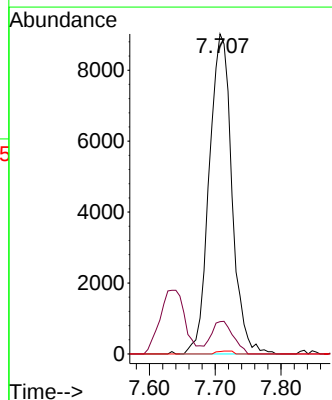
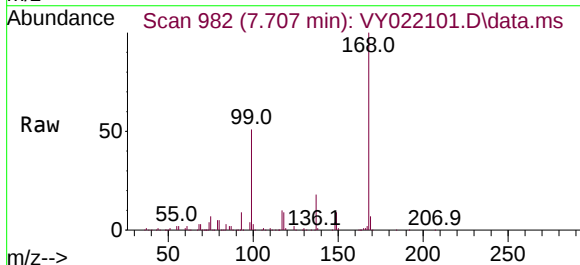
Instrument :
MSVOA_Y
ClientSampleId :
WC-12-VOC

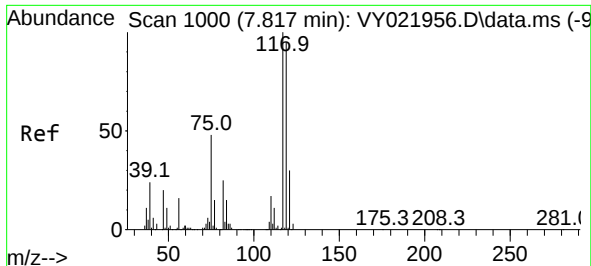
Tgt Ion:113 Resp: 196023
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 20.8 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.193 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022101.D
Acq: 01 May 2025 12:41

Tgt Ion: 75 Resp: 21625
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.6 25.5 38.3#

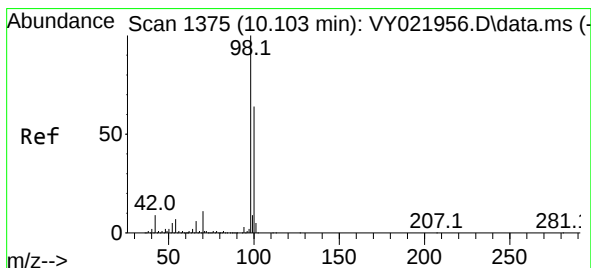
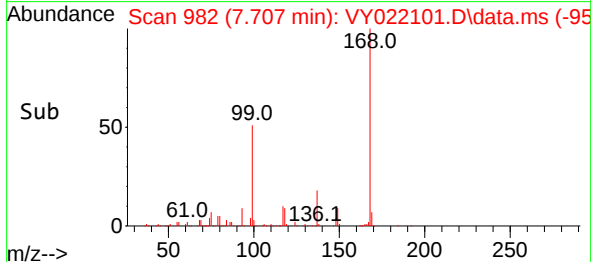
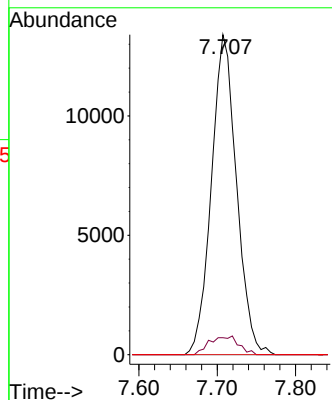
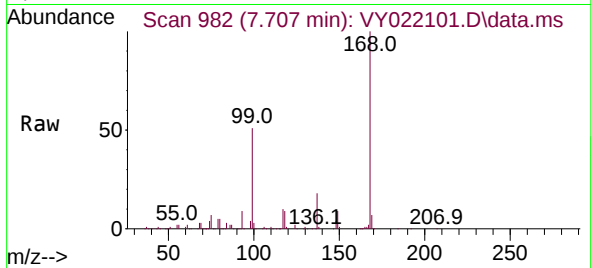




#38
Carbon Tetrachloride
Concen: 4.849 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022101.D
Acq: 01 May 2025 12:41

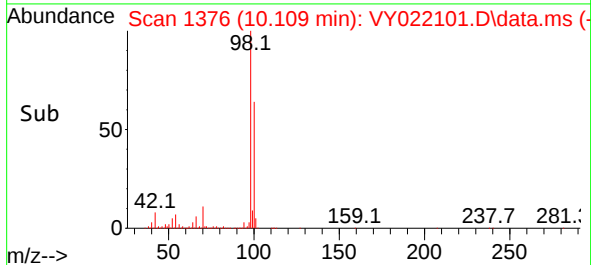
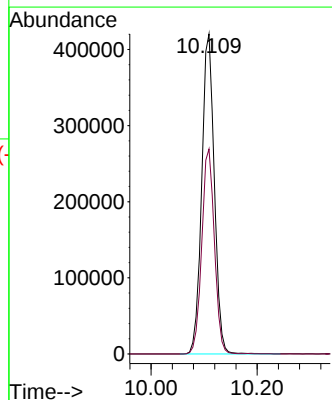
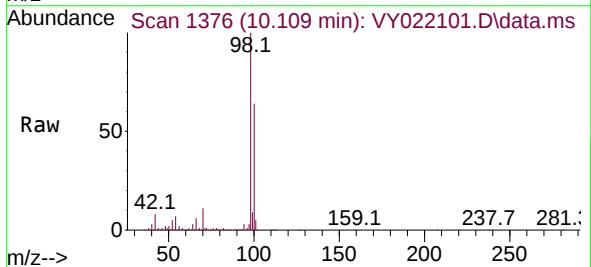
Instrument :
MSVOA_Y
ClientSampleId :
WC-12-VOC

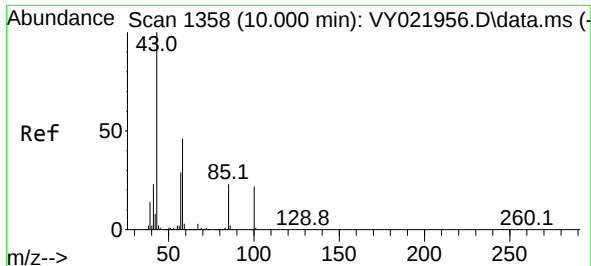
Tgt Ion:117 Resp: 29885
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.887 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022101.D
Acq: 01 May 2025 12:41

Tgt Ion: 98 Resp: 693134
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

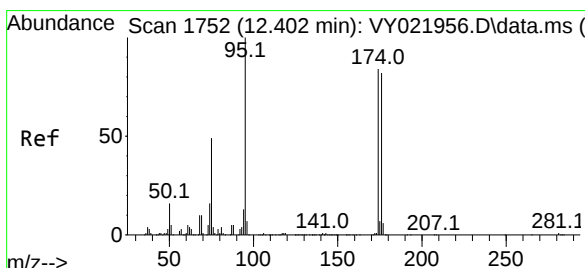
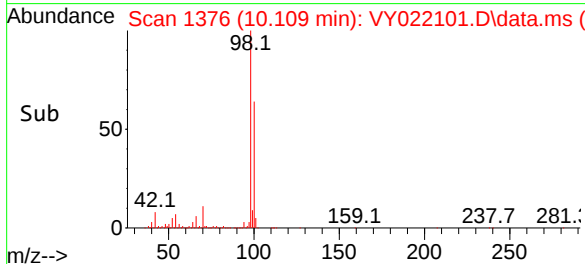
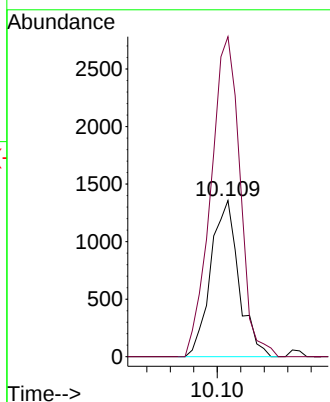
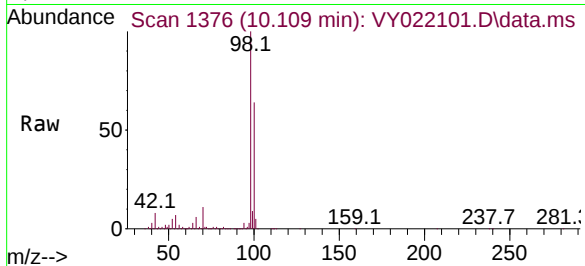




#51
4-Methyl-2-Pentanone
Concen: 1.209 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY022101.D
Acq: 01 May 2025 12:41

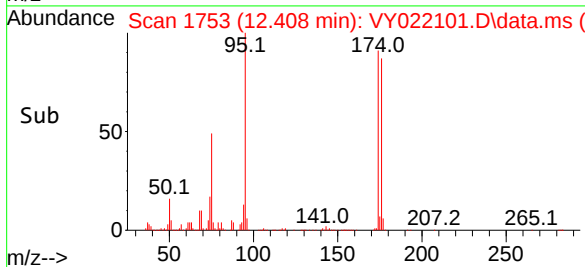
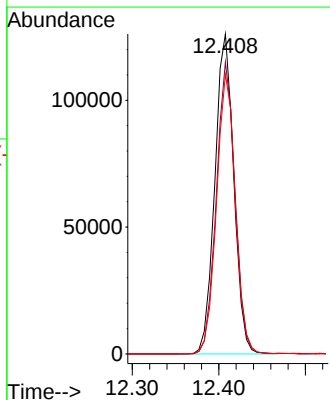
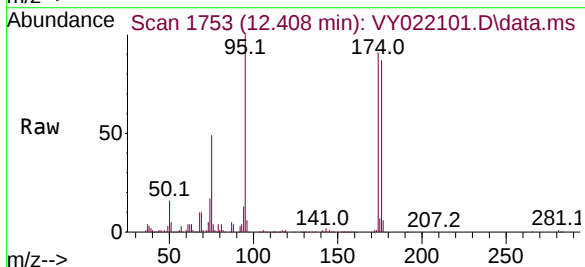
Instrument :
MSVOA_Y
ClientSampleId :
WC-12-VOC

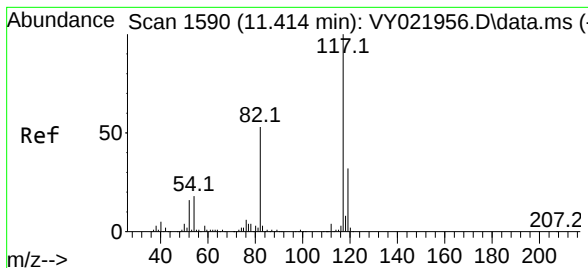
Tgt Ion: 43 Resp: 2255
Ion Ratio Lower Upper
43 100
58 213.1 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 39.333 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022101.D
Acq: 01 May 2025 12:41

Tgt Ion: 95 Resp: 191657
Ion Ratio Lower Upper
95 100
174 90.4 0.0 179.0
176 86.9 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022101.D

Acq: 01 May 2025 12:41

Instrument :

MSVOA_Y

ClientSampleId :

WC-12-VOC

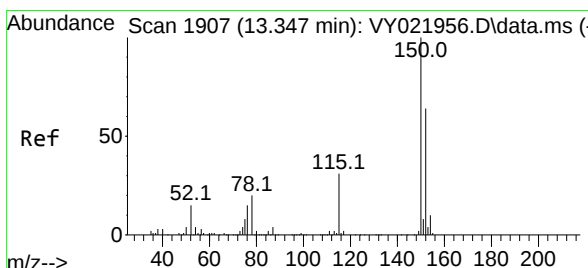
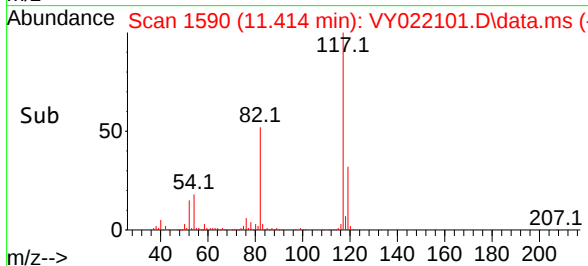
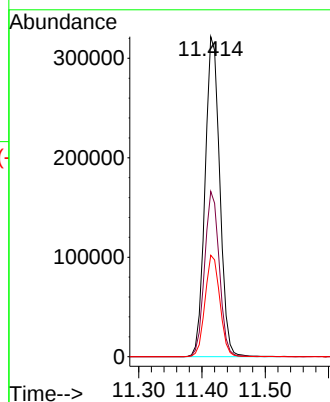
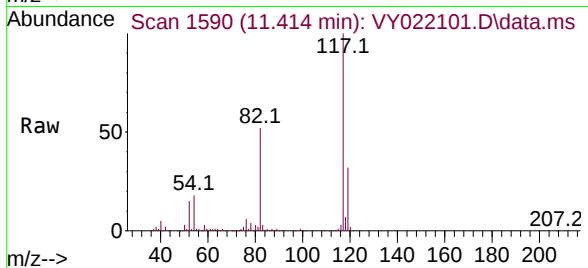
Tgt Ion:117 Resp: 521540

Ion Ratio Lower Upper

117 100

82 51.6 42.1 63.1

119 31.7 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022101.D

Acq: 01 May 2025 12:41

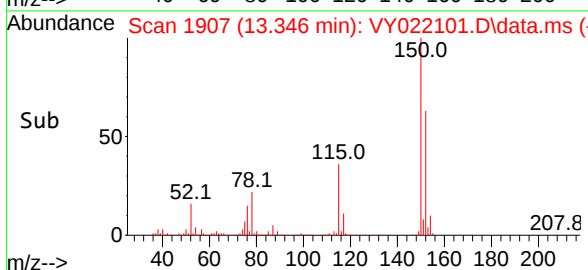
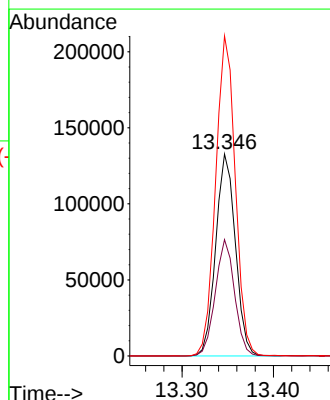
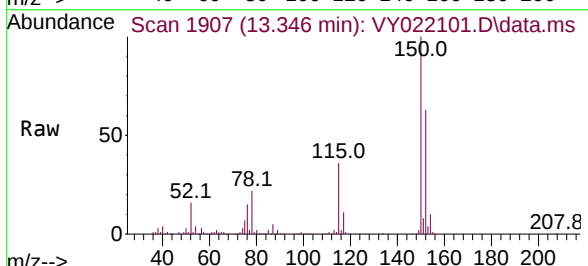
Tgt Ion:152 Resp: 198625

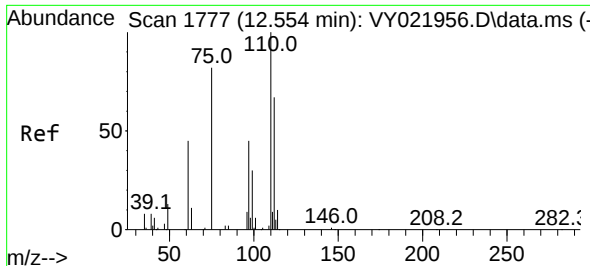
Ion Ratio Lower Upper

152 100

115 56.4 28.0 84.0

150 158.5 0.0 345.6

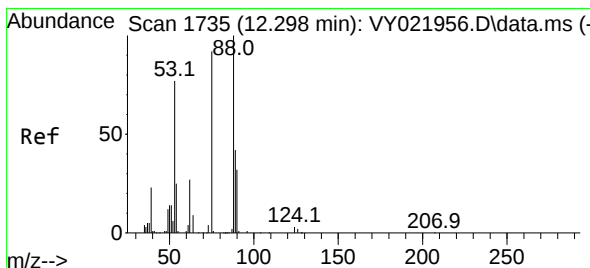
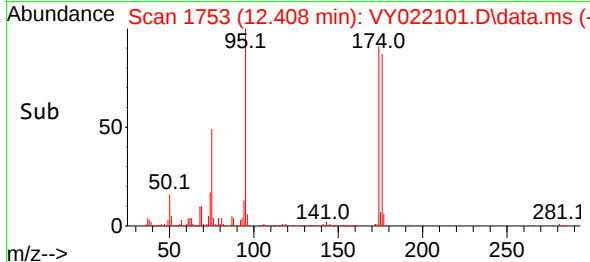
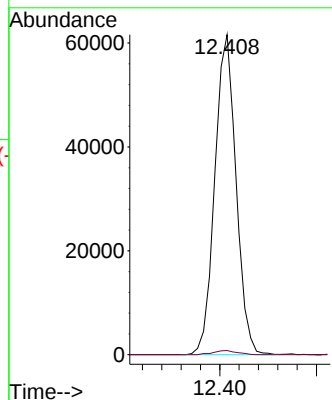
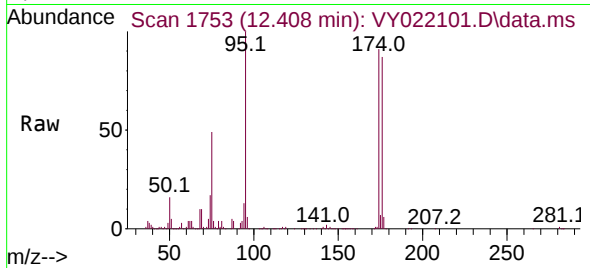




#76
1,2,3-Trichloropropane
Concen: 55.121 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022101.D
Acq: 01 May 2025 12:41

Instrument :
MSVOA_Y
ClientSampleId :
WC-12-VOC

Tgt Ion: 75 Resp: 93779
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.740 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022101.D
Acq: 01 May 2025 12:41

Tgt Ion: 75 Resp: 93779
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.1 37.2 55.8#

