

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041125\
 Data File : VY021858.D
 Acq On : 11 Apr 2025 14:44
 Operator : SY/MD
 Sample : Q1781-11
 Misc : 5.32g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-11-VOC

Quant Time: Apr 12 02:49:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	295988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	528425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	445279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	163227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	154174	48.075	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.160%
35) Dibromofluoromethane	7.634	113	171436	50.013	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.020%
50) Toluene-d8	10.109	98	627828	48.145	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.280%
62) 4-Bromofluorobenzene	12.408	95	174711	39.609	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.220%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	4749	Below Cal		90
31) Cyclohexane	7.713	56	6704	1.184	ug/l #	10
36) 1,1-Dichloropropene	7.707	75	23054	4.416	ug/l #	50
38) Carbon Tetrachloride	7.707	117	29529	4.938	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	3053	1.256	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	92569	57.212	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	92569	131.826	ug/l #	12

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

Quant Time: Apr 12 02:49:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

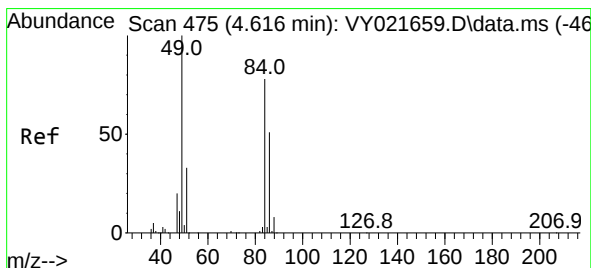
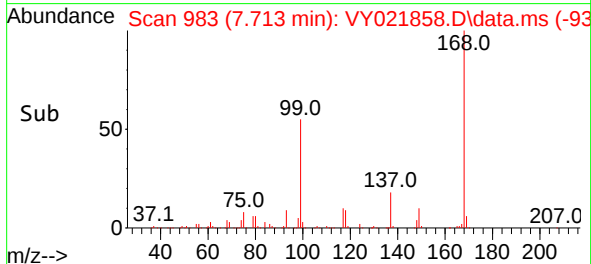
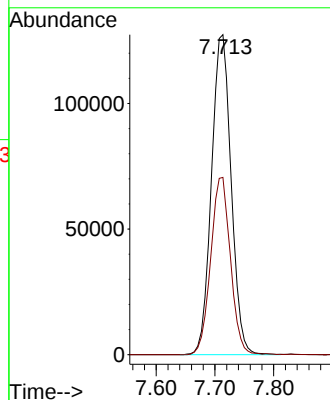
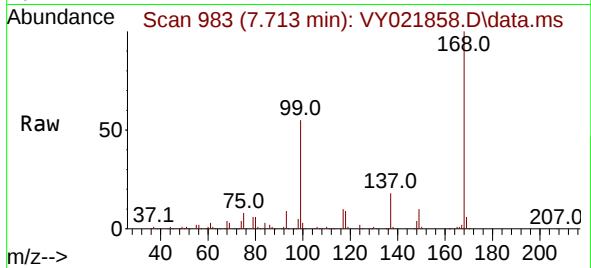




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021858.D
Acq: 11 Apr 2025 14:44

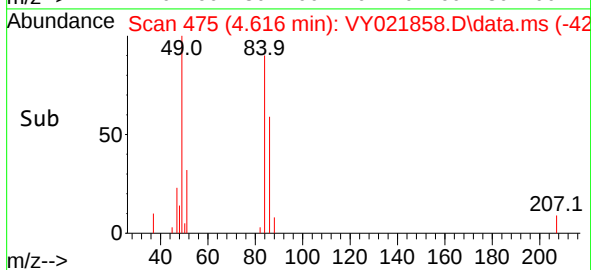
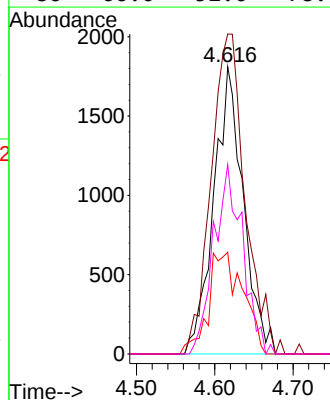
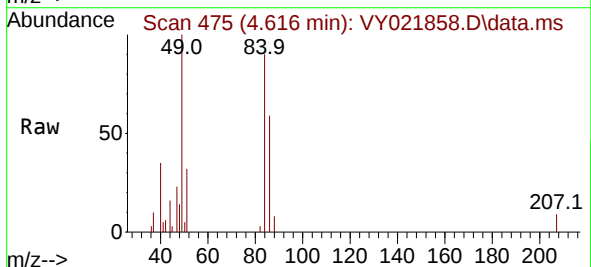
Instrument :
MSVOA_Y
ClientSampleId :
WC-11-VOC

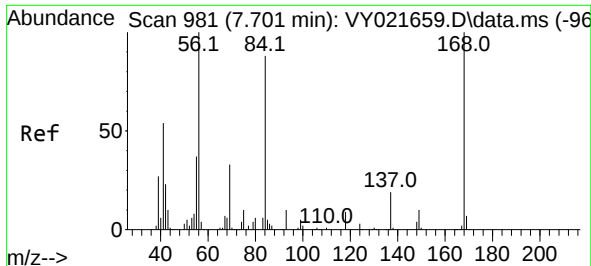
Tgt Ion:168 Resp: 295988
Ion Ratio Lower Upper
168 100
99 55.4 46.7 70.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021858.D
Acq: 11 Apr 2025 14:44

Tgt Ion: 84 Resp: 4749
Ion Ratio Lower Upper
84 100
49 111.4 102.8 154.2
51 35.4 33.5 50.3
86 66.0 52.0 78.0

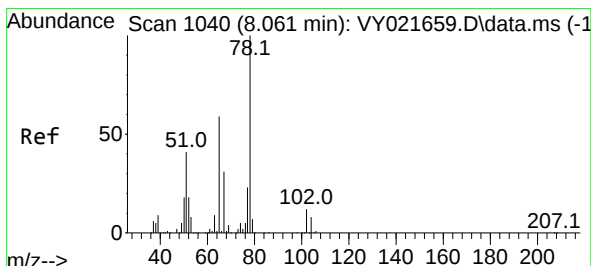
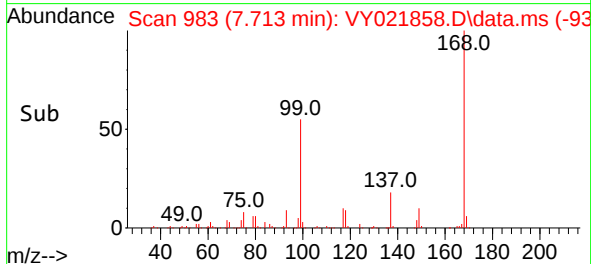
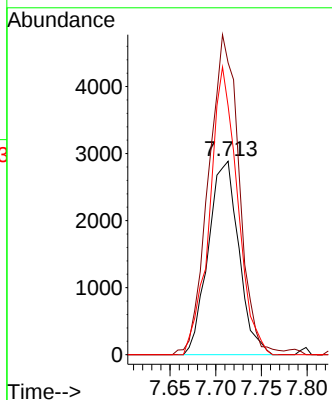
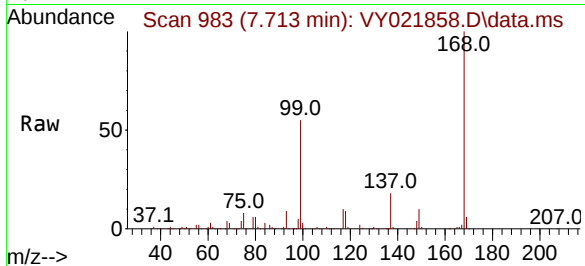




#31
Cyclohexane
Concen: 1.184 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY021858.D
Acq: 11 Apr 2025 14:44

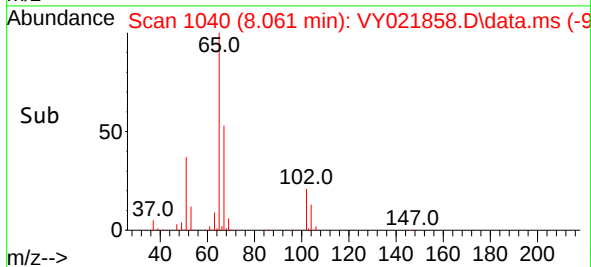
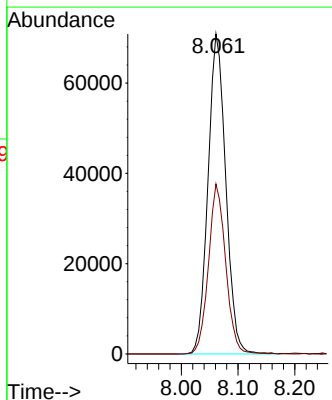
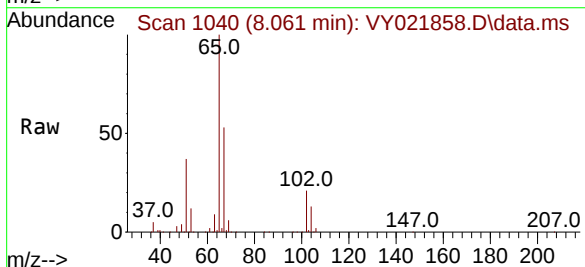
Instrument :
MSVOA_Y
ClientSampleId :
WC-11-VOC

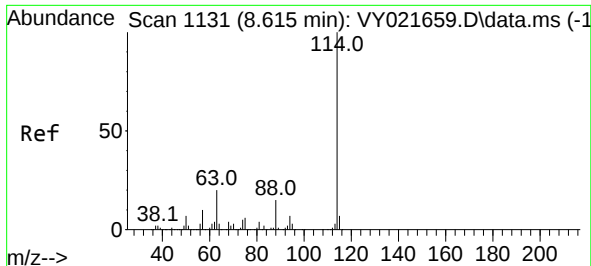
Tgt Ion: 56 Resp: 6704
Ion Ratio Lower Upper
56 100
69 148.7 26.6 40.0#
84 128.6 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 48.075 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021858.D
Acq: 11 Apr 2025 14:44

Tgt Ion: 65 Resp: 154174
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021858.D

Acq: 11 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

WC-11-VOC

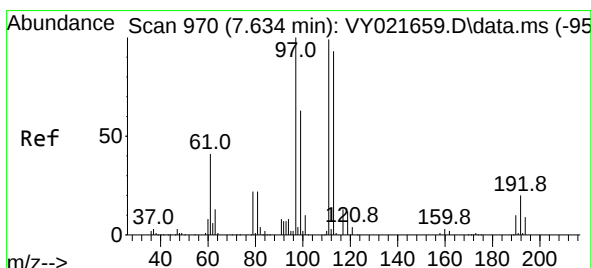
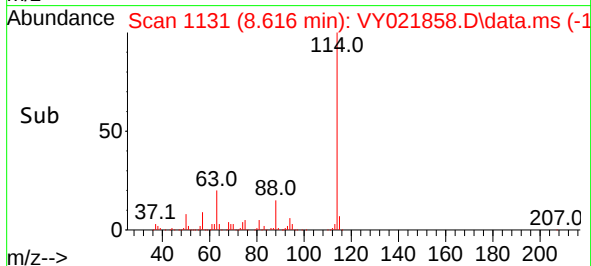
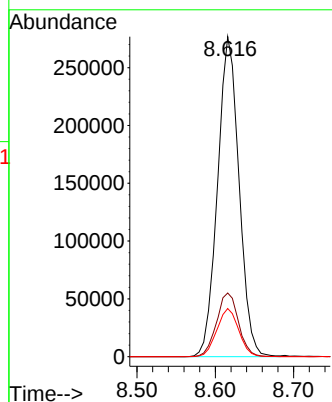
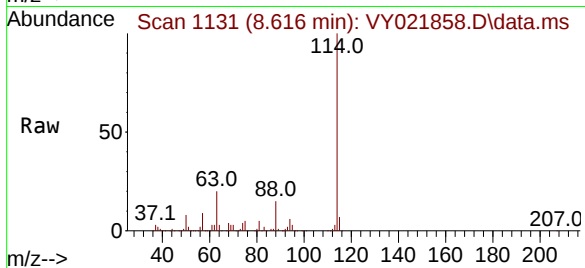
Tgt Ion:114 Resp: 528425

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.2

88 15.1 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.013 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021858.D

Acq: 11 Apr 2025 14:44

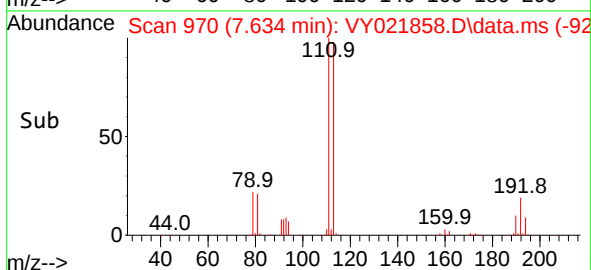
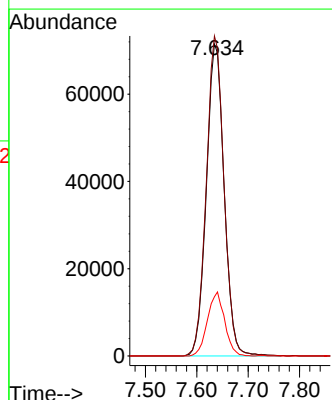
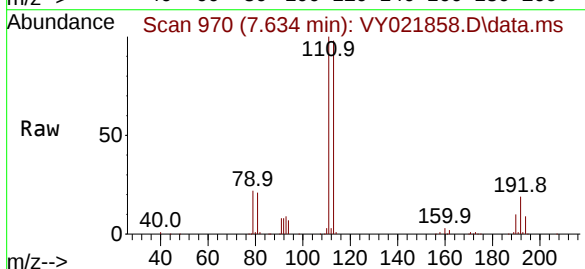
Tgt Ion:113 Resp: 171436

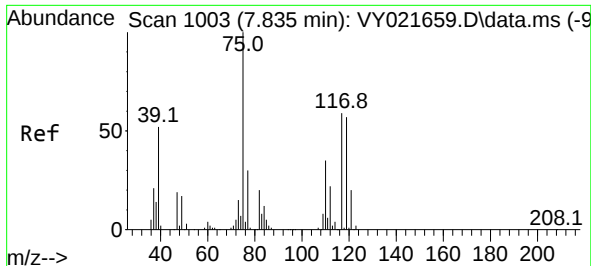
Ion Ratio Lower Upper

113 100

111 102.4 82.6 123.8

192 19.9 16.2 24.4

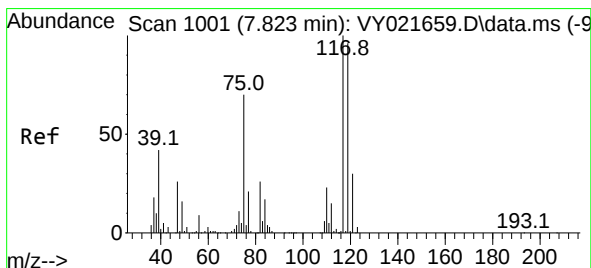
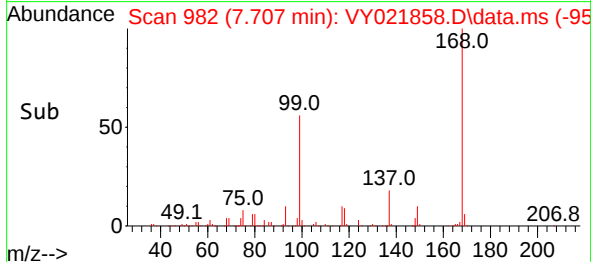
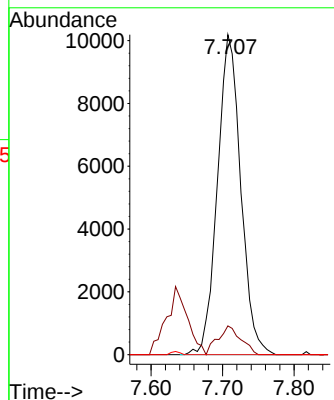
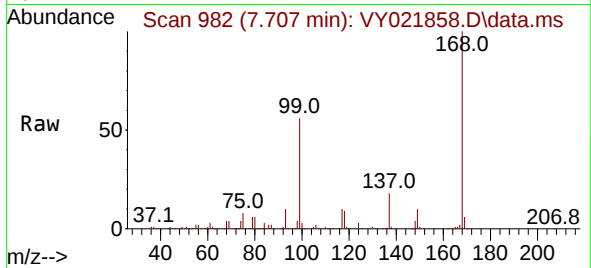




#36
1,1-Dichloropropene
Concen: 4.416 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY021858.D
Acq: 11 Apr 2025 14:44

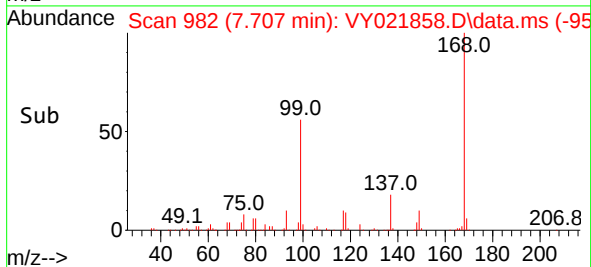
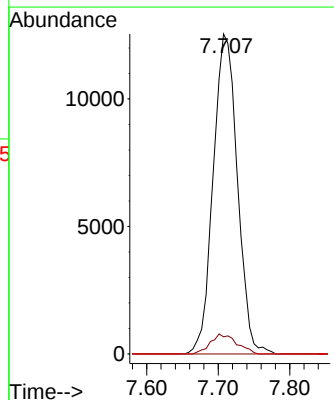
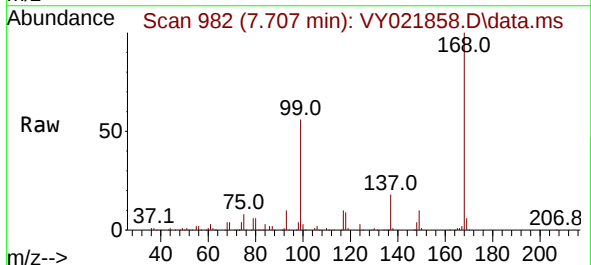
Instrument :
MSVOA_Y
ClientSampleId :
WC-11-VOC

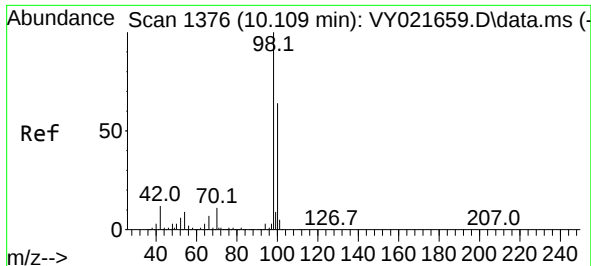
Tgt Ion: 75 Resp: 23054
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 4.938 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021858.D
Acq: 11 Apr 2025 14:44

Tgt Ion: 117 Resp: 29529
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.4#
121 0.0 24.2 36.4#

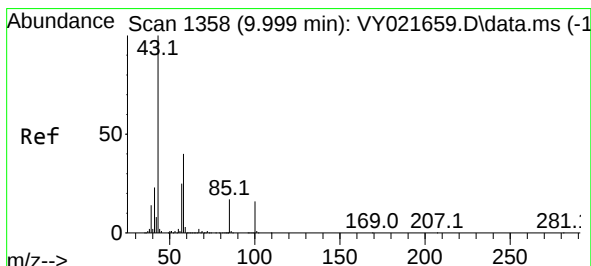
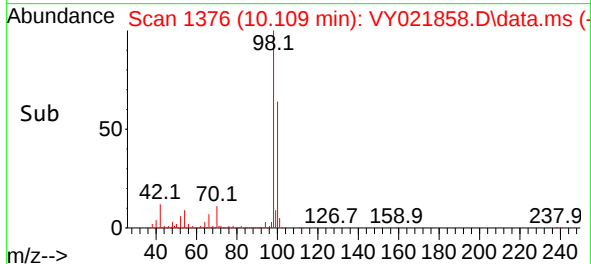
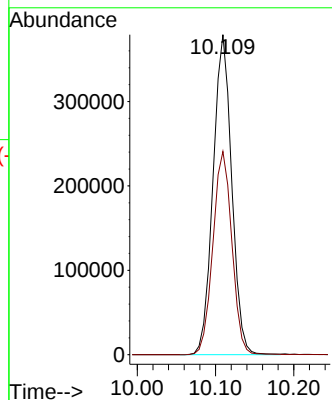
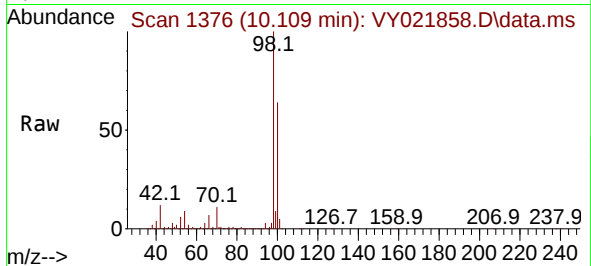




#50
Toluene-d8
Concen: 48.145 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021858.D
Acq: 11 Apr 2025 14:44

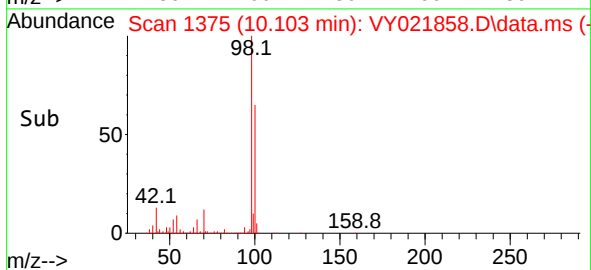
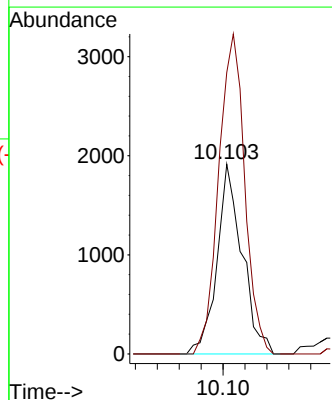
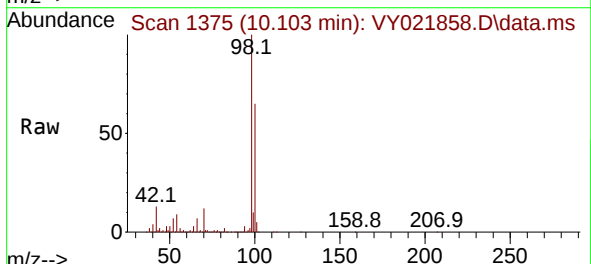
Instrument :
MSVOA_Y
ClientSampleId :
WC-11-VOC

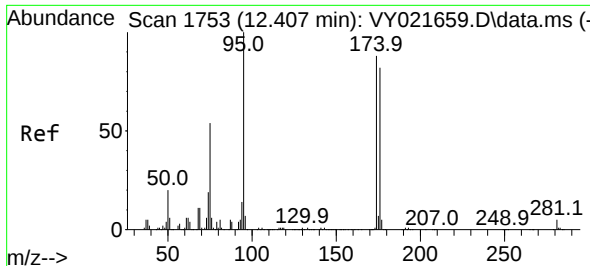
Tgt Ion: 98 Resp: 627828
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.256 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY021858.D
Acq: 11 Apr 2025 14:44

Tgt Ion: 43 Resp: 3053
Ion Ratio Lower Upper
43 100
58 174.5 31.5 47.3#

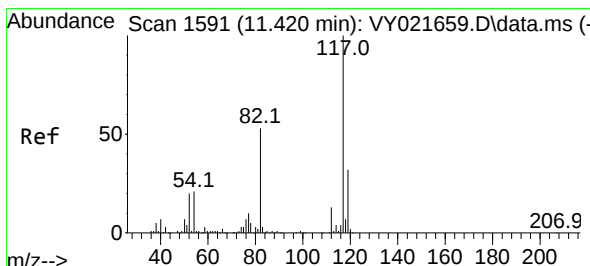
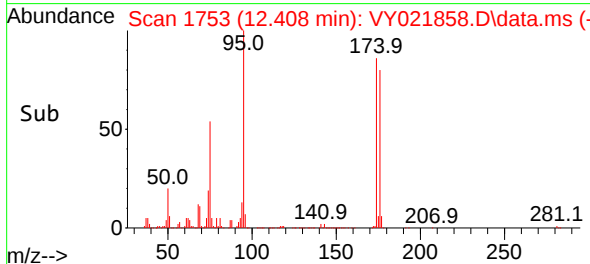
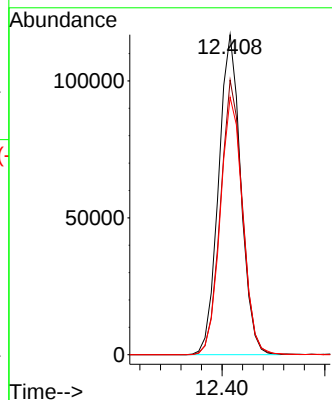
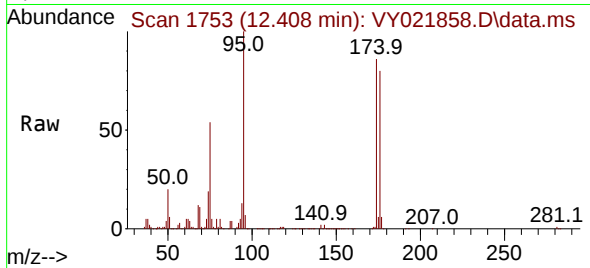




#62
4-Bromofluorobenzene
Concen: 39.609 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021858.D
Acq: 11 Apr 2025 14:44

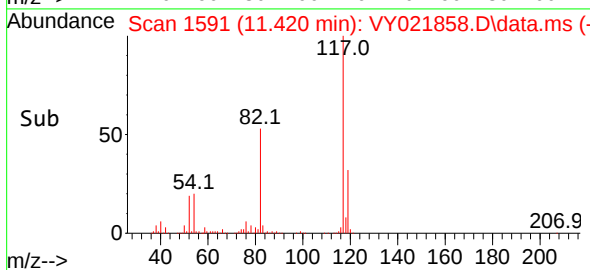
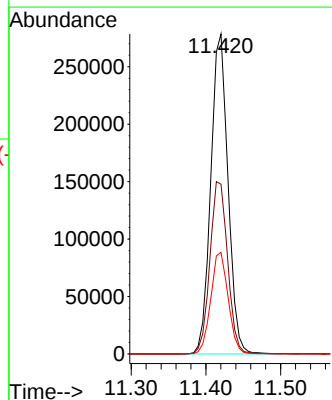
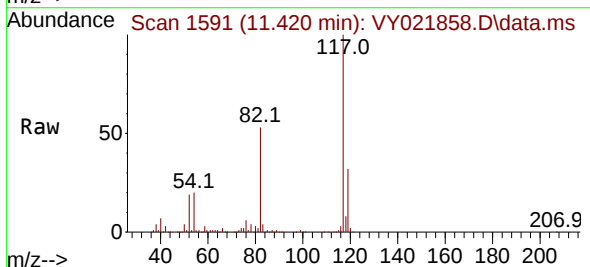
Instrument :
MSVOA_Y
ClientSampleId :
WC-11-VOC

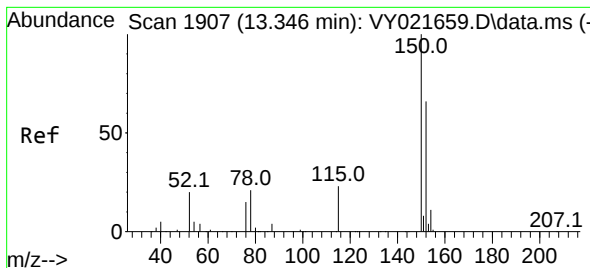
Tgt Ion: 95 Resp: 174711
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.8
176 81.8 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021858.D
Acq: 11 Apr 2025 14:44

Tgt Ion: 117 Resp: 445279
Ion Ratio Lower Upper
117 100
82 53.1 42.8 64.2
119 31.7 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021858.D

Acq: 11 Apr 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

WC-11-VOC

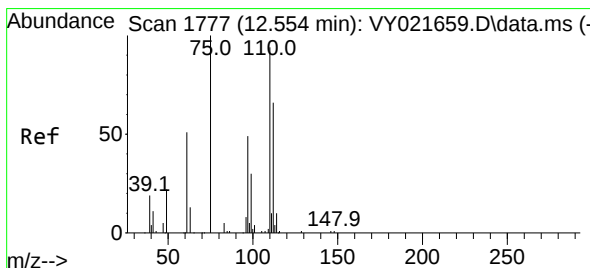
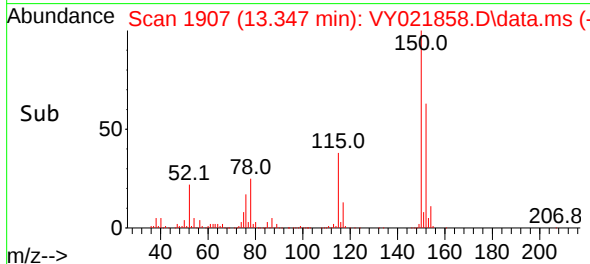
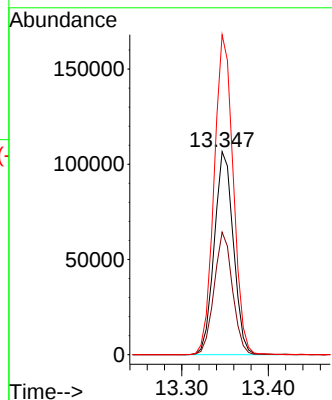
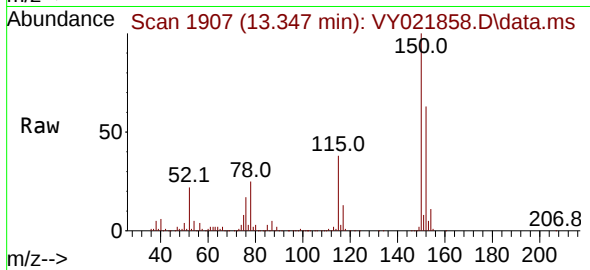
Tgt Ion:152 Resp: 163227

Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 157.7 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 57.212 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021858.D

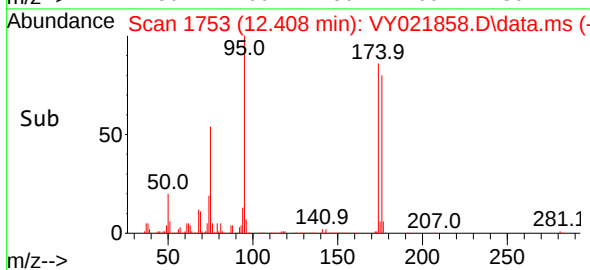
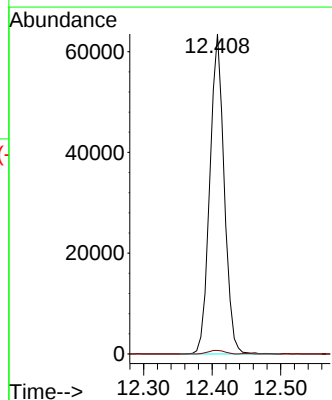
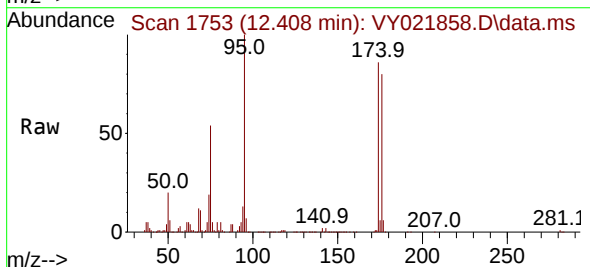
Acq: 11 Apr 2025 14:44

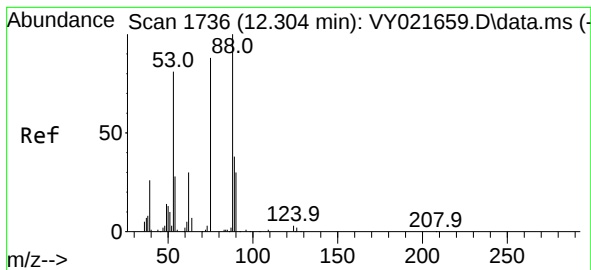
Tgt Ion: 75 Resp: 92569

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.826 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021858.D
 Acq: 11 Apr 2025 14:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-11-VOC

Tgt Ion: 75 Resp: 92569
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.0 36.2 54.4#

