

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022360.D
 Acq On : 21 May 2025 12:24
 Operator : SY/MD
 Sample : Q2097-01
 Misc : 5.17g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-357

Quant Time: May 22 00:08:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

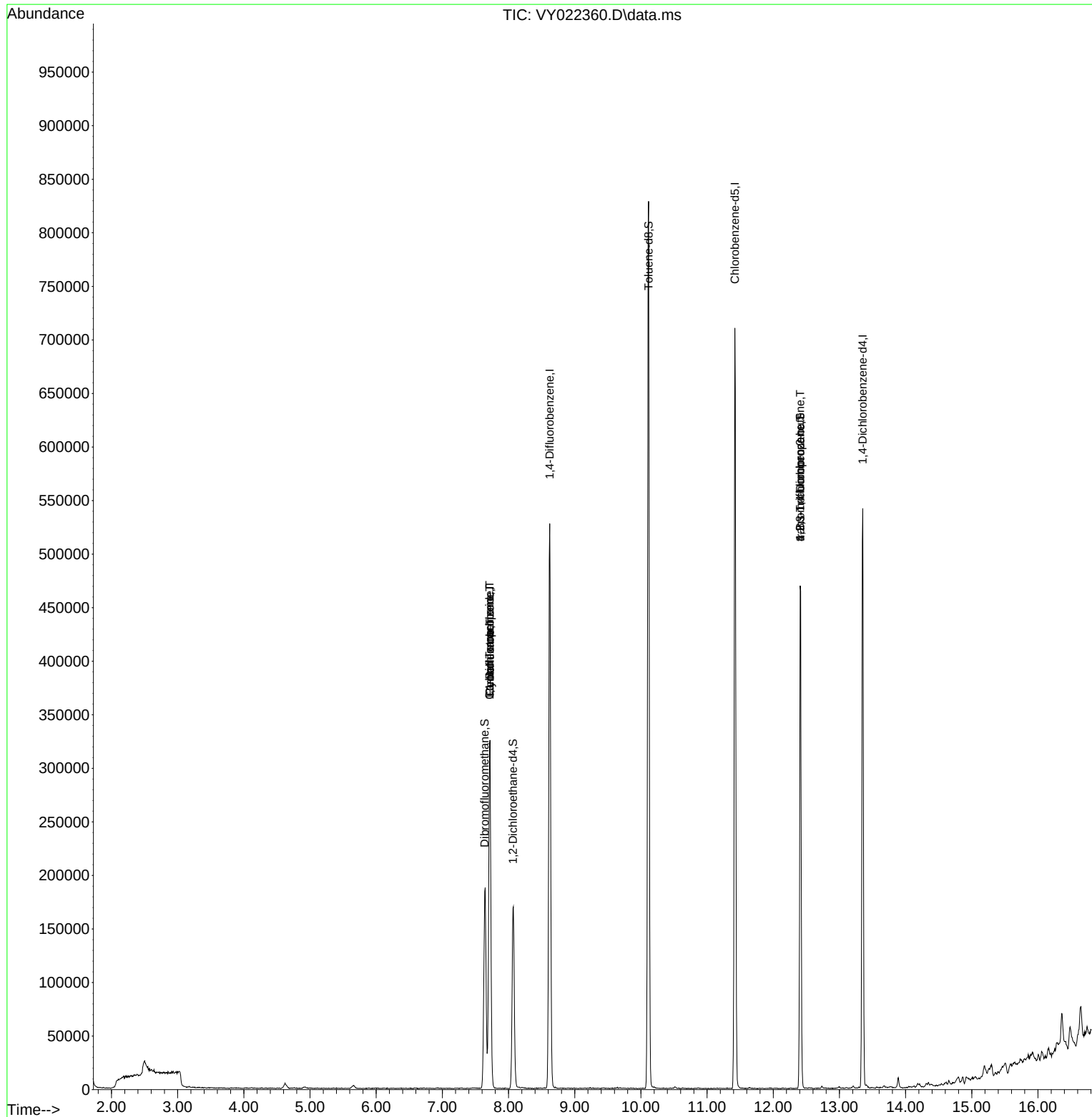
Internal Standards						
1) Pentafluorobenzene	7.719	168	245712	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	442388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	351160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	125264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	130097	48.446	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.900%
35) Dibromofluoromethane	7.640	113	129265	48.956	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.920%
50) Toluene-d8	10.115	98	526807	48.715	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.420%
62) 4-Bromofluorobenzene	12.408	95	133728	39.014	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.020%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.719	56	6684	1.230	ug/l #	26
36) 1,1-Dichloropropene	7.713	75	21247	4.885	ug/l #	51
38) Carbon Tetrachloride	7.713	117	24752	5.498	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	76478	60.264	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	76478	122.079	ug/l #	12

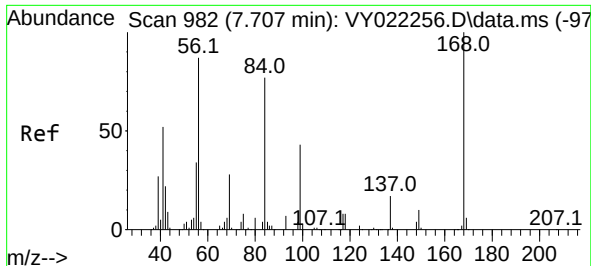
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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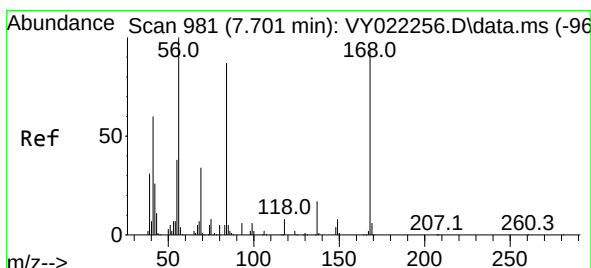
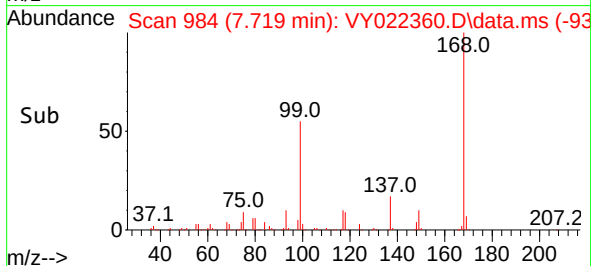
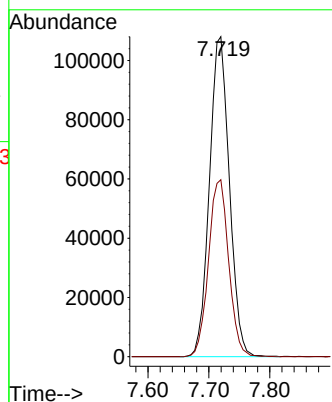
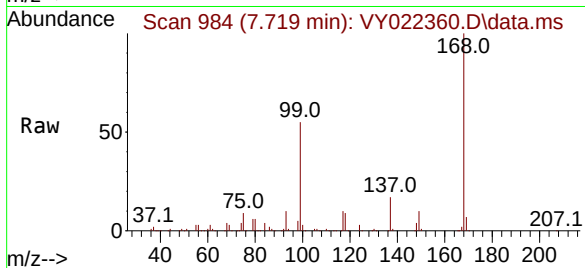




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY022360.D
Acq: 21 May 2025 12:24

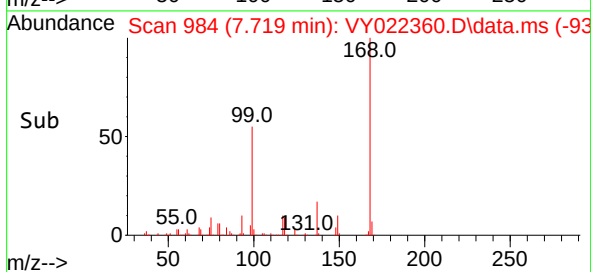
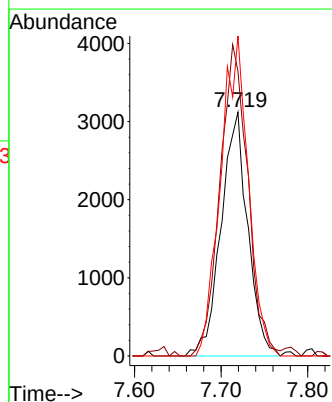
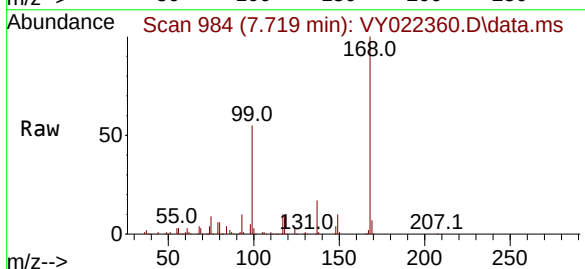
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-357

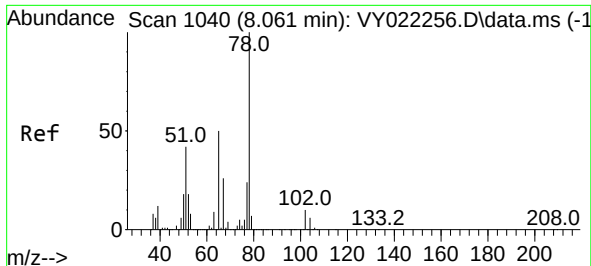
Tgt Ion:168 Resp: 245712
Ion Ratio Lower Upper
168 100
99 55.3 44.2 66.4



#31
Cyclohexane
Concen: 1.230 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.018 min
Lab File: VY022360.D
Acq: 21 May 2025 12:24

Tgt Ion: 56 Resp: 6684
Ion Ratio Lower Upper
56 100
69 116.8 27.4 41.2#
84 131.3 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 48.446 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY022360.D

Acq: 21 May 2025 12:24

Instrument :

MSVOA_Y

ClientSampleId :

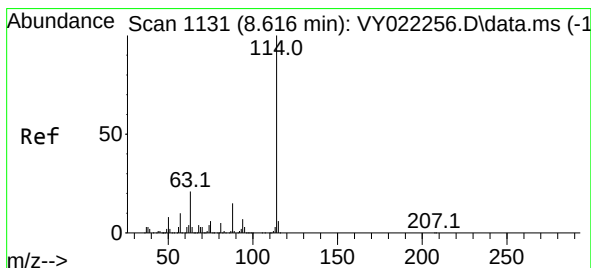
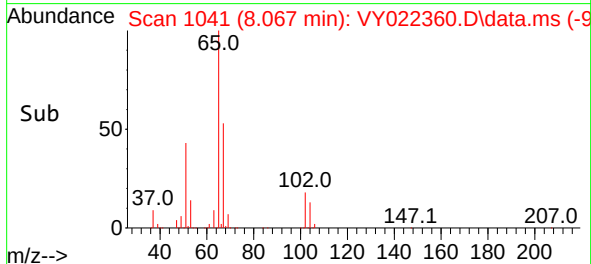
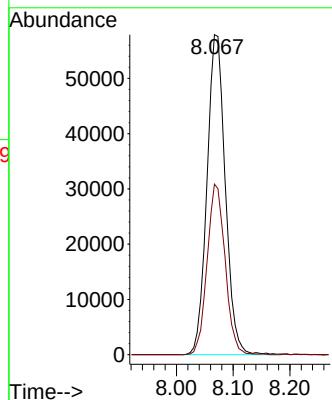
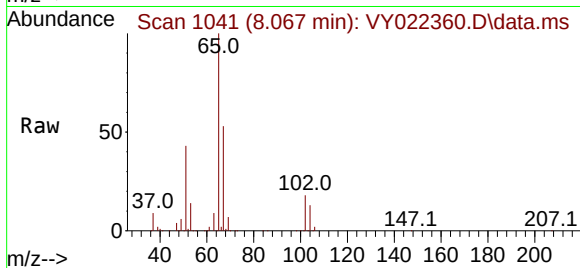
ETGI-357

Tgt Ion: 65 Resp: 130097

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022360.D

Acq: 21 May 2025 12:24

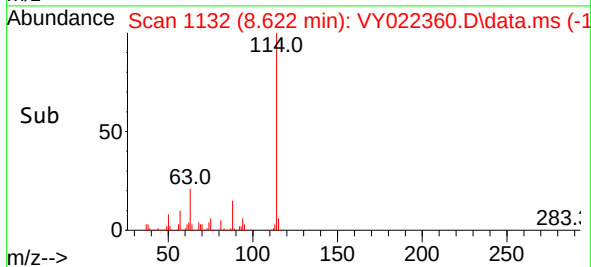
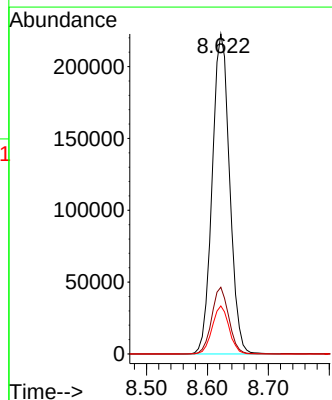
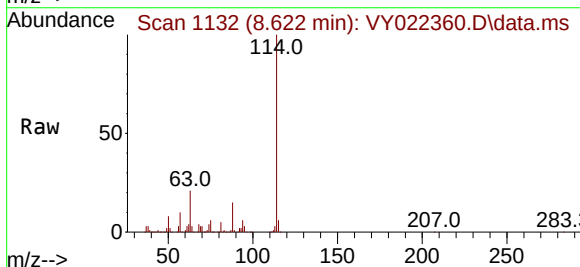
Tgt Ion:114 Resp: 442388

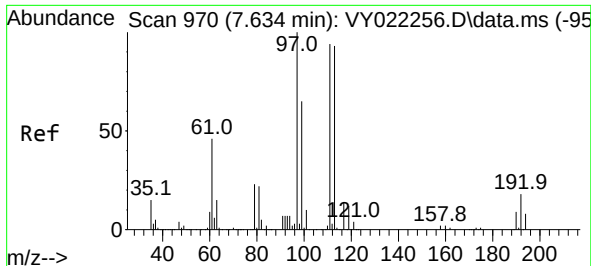
Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.0

88 15.0 0.0 29.4

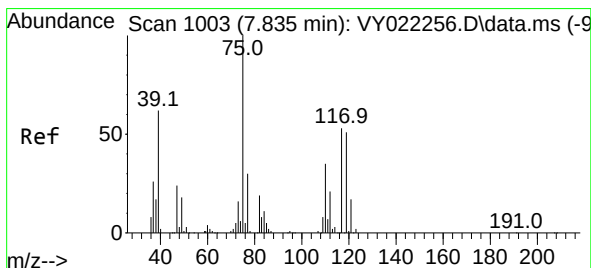
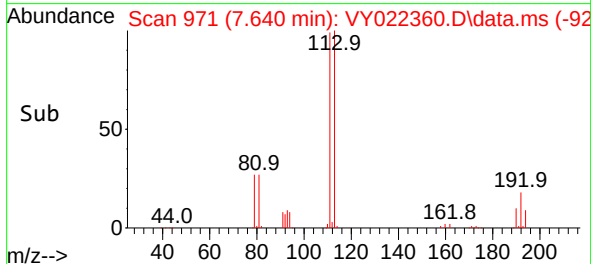
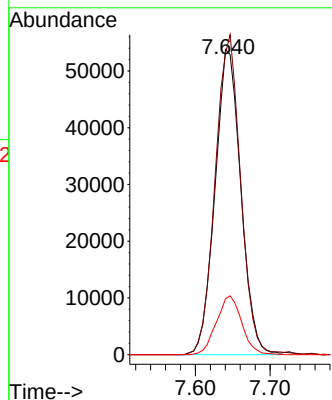
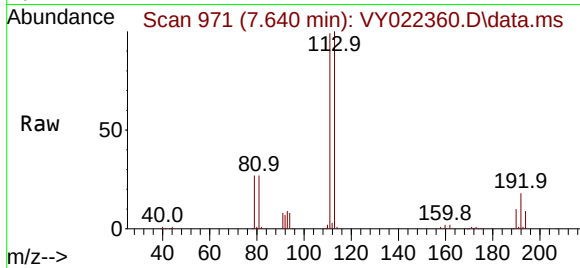




#35
Dibromofluoromethane
Concen: 48.956 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY022360.D
Acq: 21 May 2025 12:24

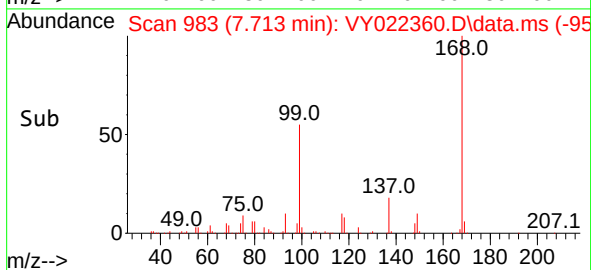
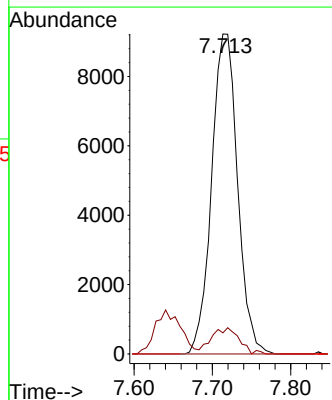
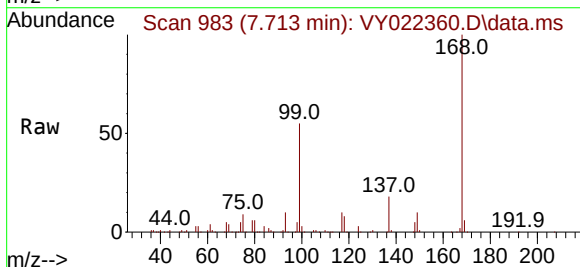
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-357

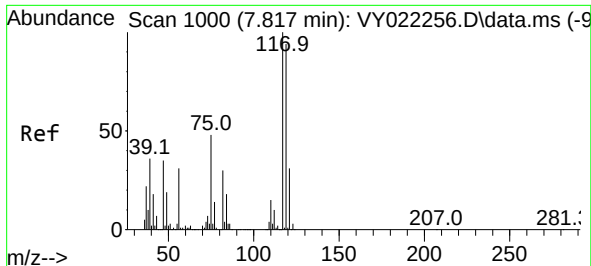
Tgt Ion:113 Resp: 129265
Ion Ratio Lower Upper
113 100
111 103.3 82.6 123.8
192 18.9 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.885 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY022360.D
Acq: 21 May 2025 12:24

Tgt Ion: 75 Resp: 21247
Ion Ratio Lower Upper
75 100
110 8.7 16.6 49.8#
77 0.0 24.6 37.0#

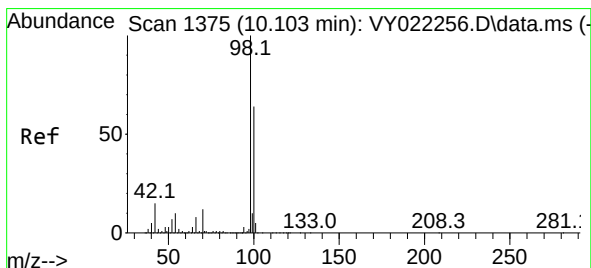
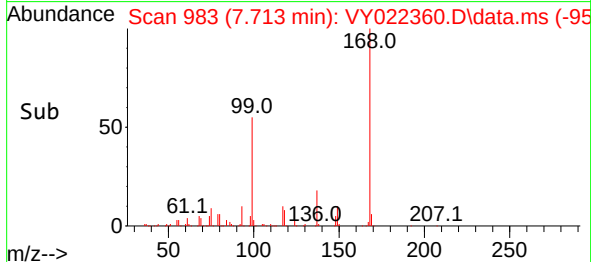
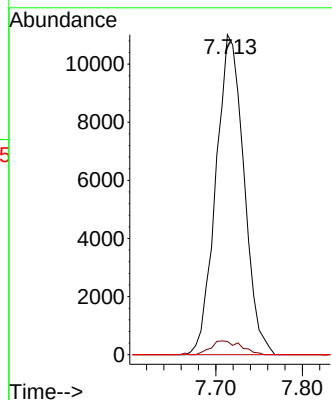
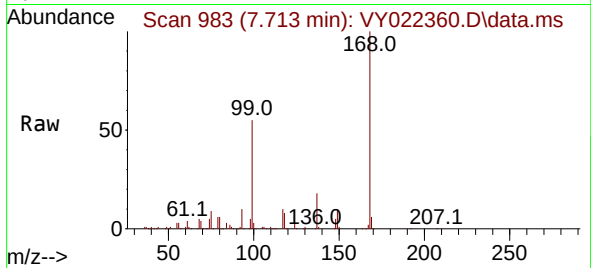




#38
Carbon Tetrachloride
Concen: 5.498 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY022360.D
Acq: 21 May 2025 12:24

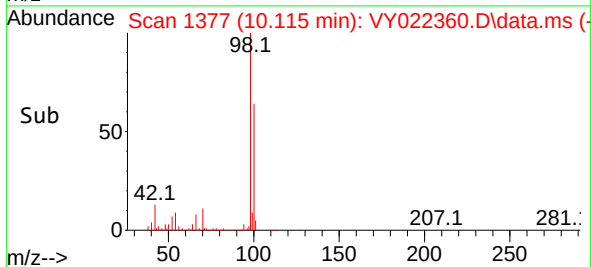
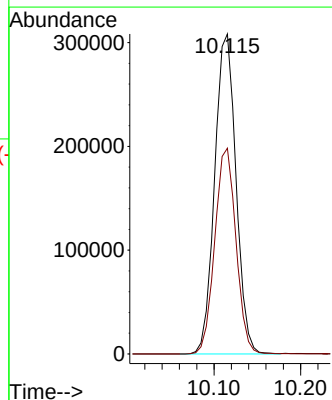
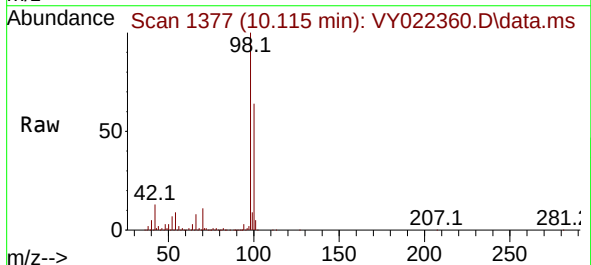
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-357

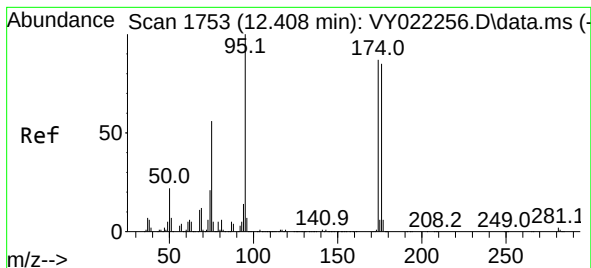
Tgt Ion:117 Resp: 24752
Ion Ratio Lower Upper
117 100
119 4.2 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.715 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022360.D
Acq: 21 May 2025 12:24

Tgt Ion: 98 Resp: 526807
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.8





#62

4-Bromofluorobenzene

Concen: 39.014 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022360.D

Acq: 21 May 2025 12:24

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-357

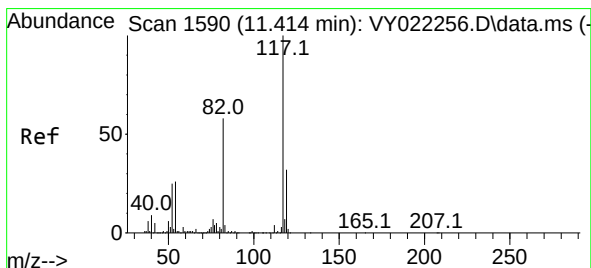
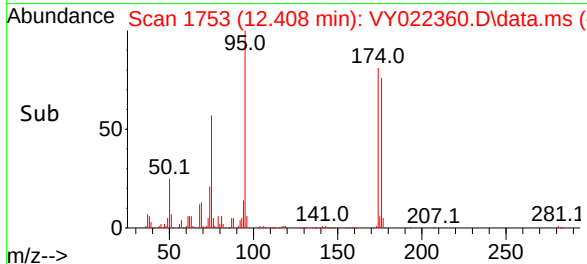
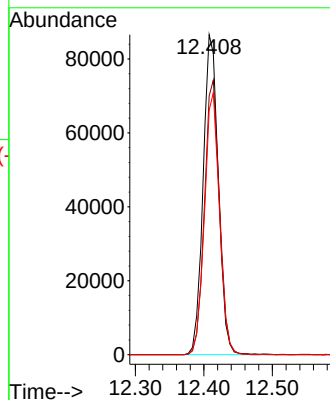
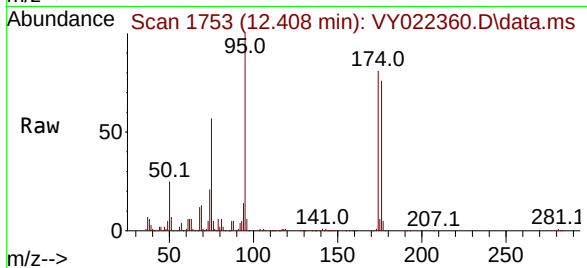
Tgt Ion: 95 Resp: 133728

Ion Ratio Lower Upper

95 100

174 85.1 0.0 166.8

176 81.0 0.0 160.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY022360.D

Acq: 21 May 2025 12:24

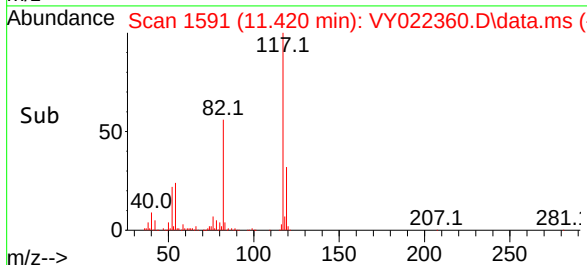
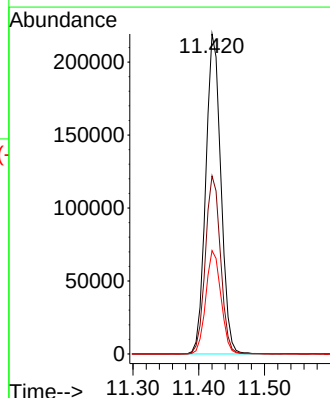
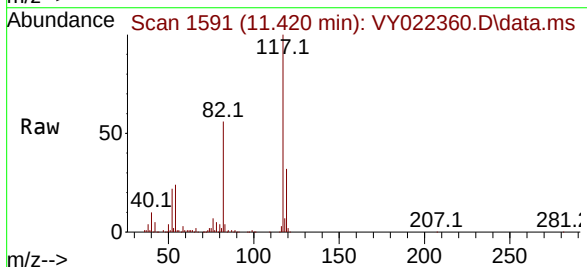
Tgt Ion: 117 Resp: 351160

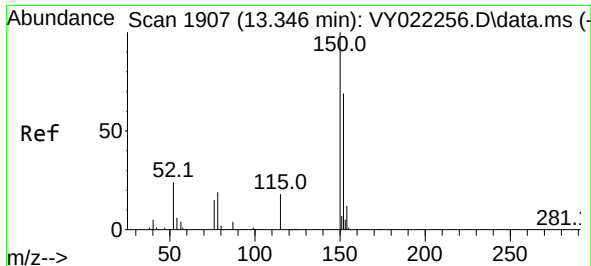
Ion Ratio Lower Upper

117 100

82 55.6 46.6 70.0

119 32.3 25.8 38.6

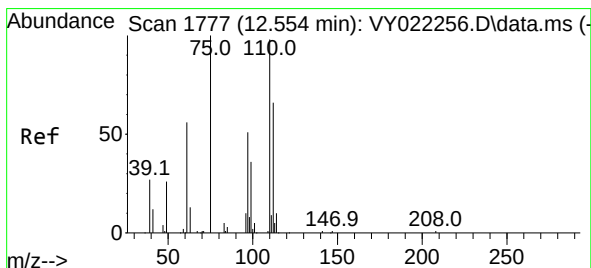
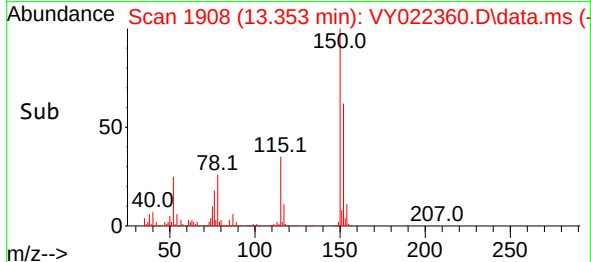
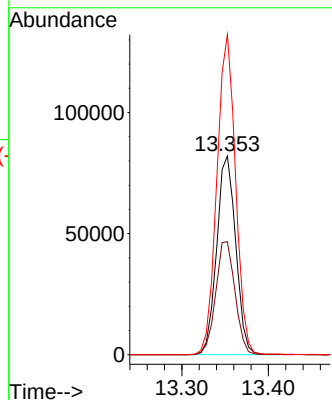
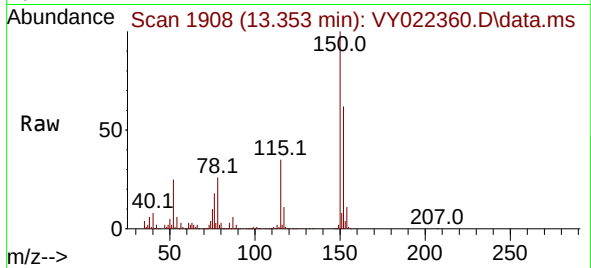




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY022360.D
 Acq: 21 May 2025 12:24

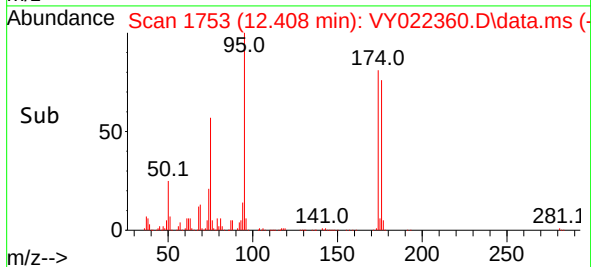
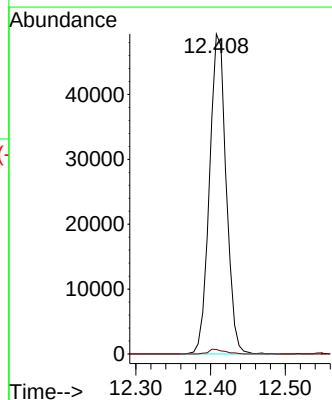
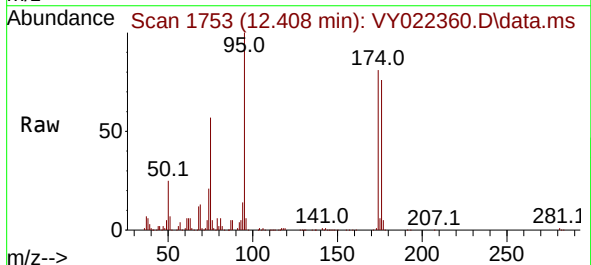
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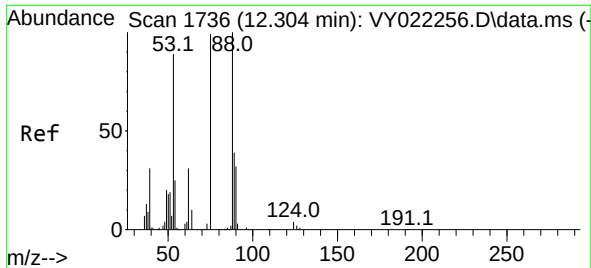
Tgt Ion:152 Resp: 125264
 Ion Ratio Lower Upper
 152 100
 115 58.0 29.4 88.2
 150 158.4 0.0 353.8



#76
 1,2,3-Trichloropropane
 Concen: 60.264 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022360.D
 Acq: 21 May 2025 12:24

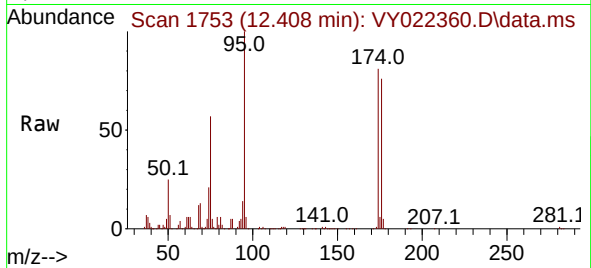
Tgt Ion: 75 Resp: 76478
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.079 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022360.D
 Acq: 21 May 2025 12:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-357



Tgt Ion: 75 Resp: 76478
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.0 36.2 54.2#

