

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022271.D
 Acq On : 15 May 2025 17:56
 Operator : SY/MD
 Sample : Q1984-15
 Misc : 4.42g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-28-050725

Quant Time: May 16 01:58:57 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)

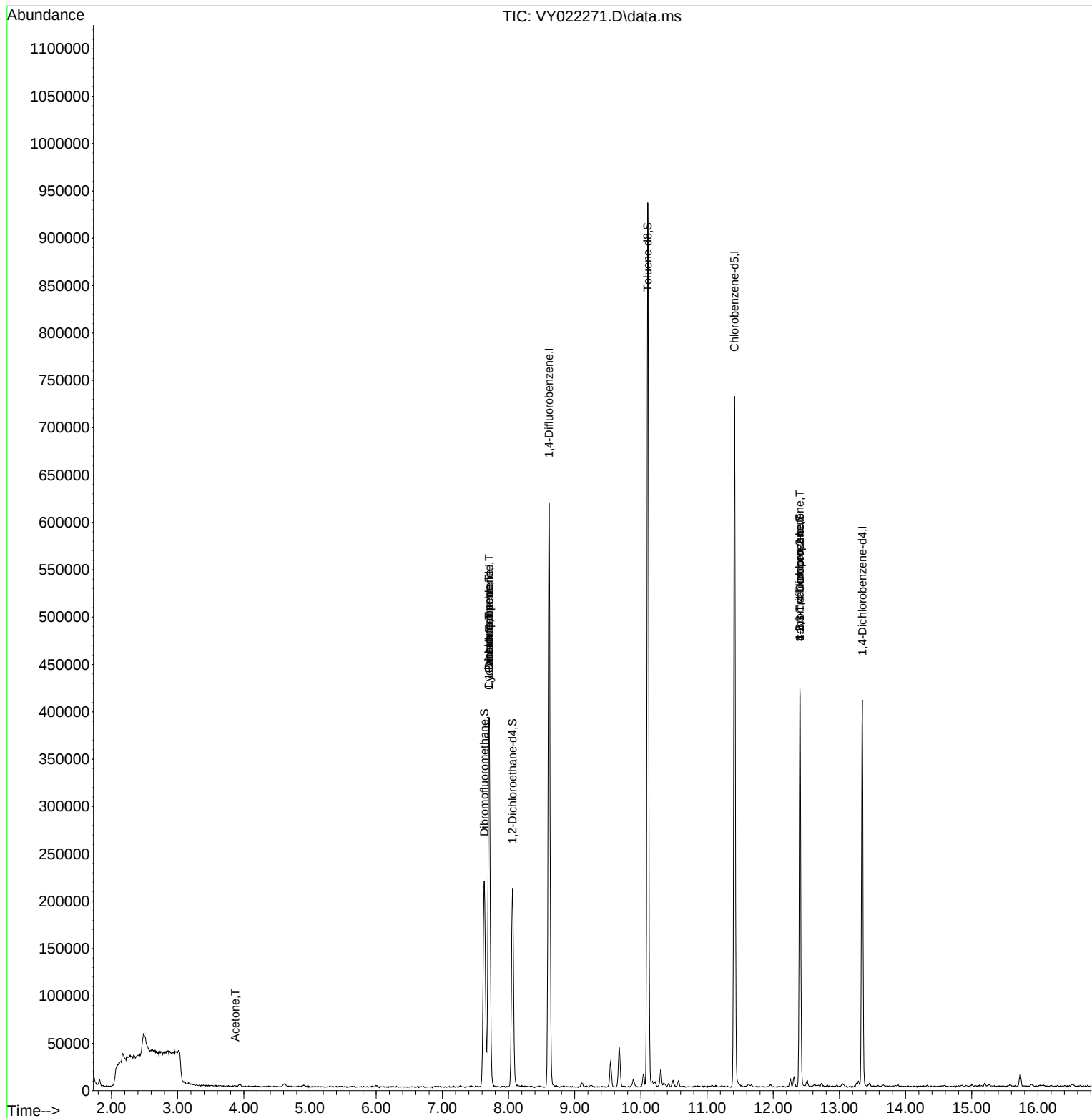
Internal Standards						
1) Pentafluorobenzene	7.707	168	295768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	512727	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	353419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	96887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156709	48.480	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.960%
35) Dibromofluoromethane	7.634	113	152579	49.858	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.720%
50) Toluene-d8	10.103	98	590210	47.091	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.180%
62) 4-Bromofluorobenzene	12.402	95	122043	30.721	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	61.440%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	1691	2.790	ug/l	91
31) Cyclohexane	7.701	56	7556	1.156	ug/l #	11
36) 1,1-Dichloropropene	7.701	75	25201	5.000	ug/l #	52
38) Carbon Tetrachloride	7.707	117	30436	5.833	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	70415	71.737	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	70415	145.322	ug/l #	12

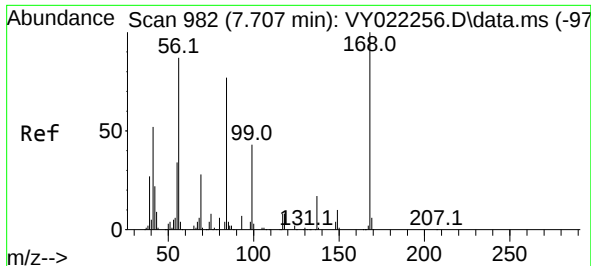
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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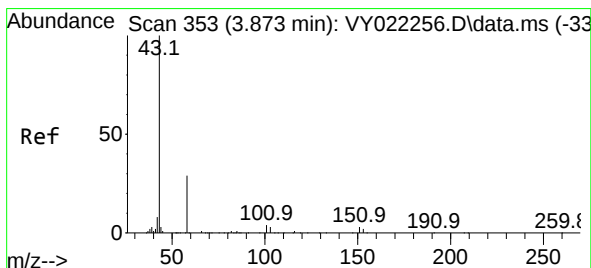
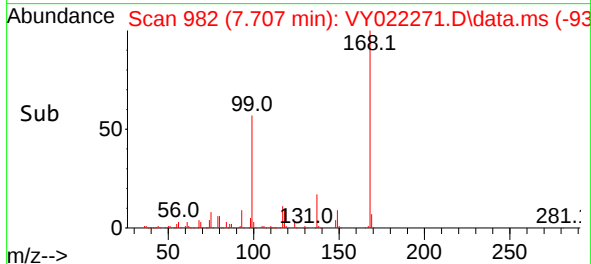
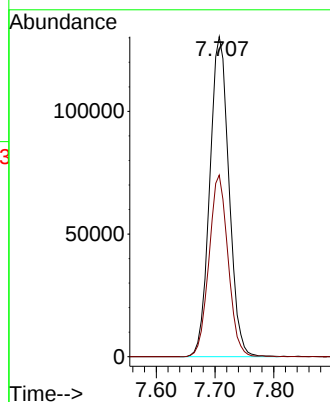
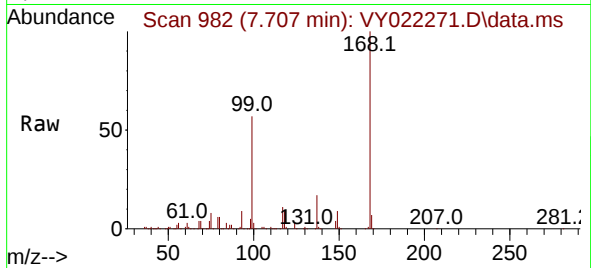




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

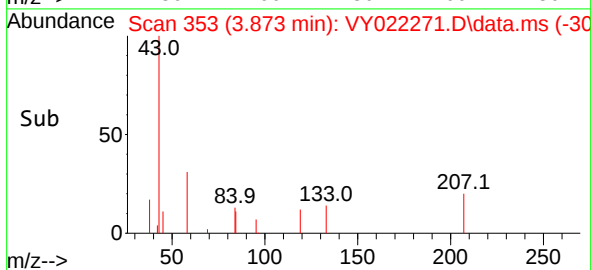
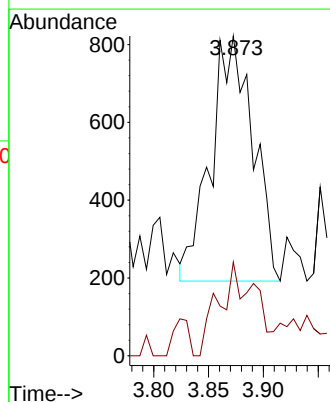
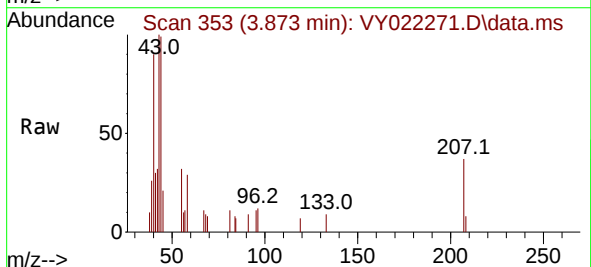
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725

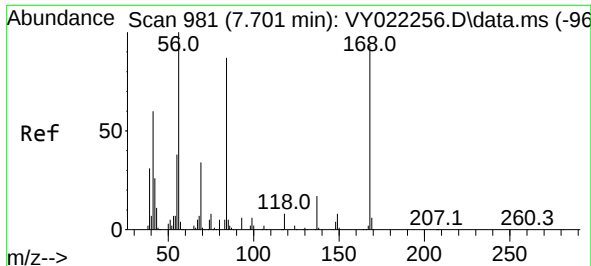
Tgt Ion:168 Resp: 295768
Ion Ratio Lower Upper
168 100
99 56.8 44.2 66.4



#16
Acetone
Concen: 2.790 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

Tgt Ion: 43 Resp: 1691
Ion Ratio Lower Upper
43 100
58 24.9 23.6 35.4

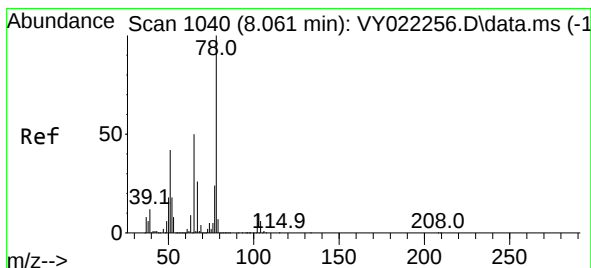
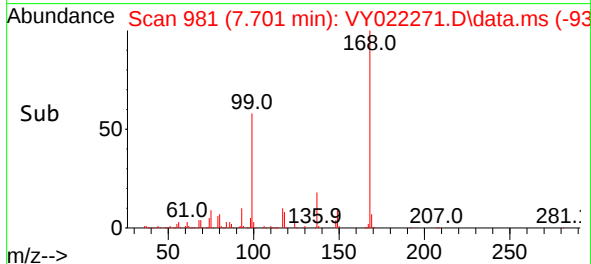
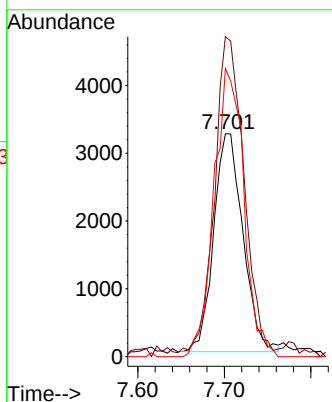
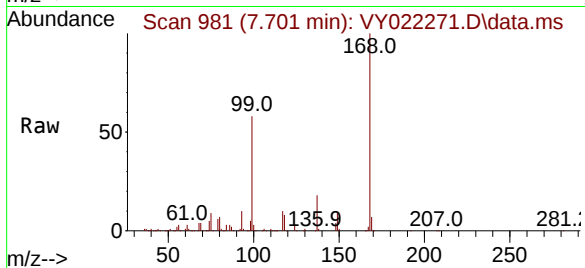




#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

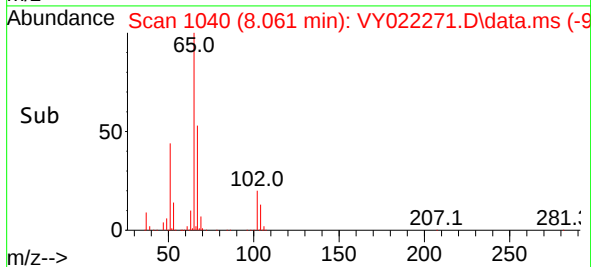
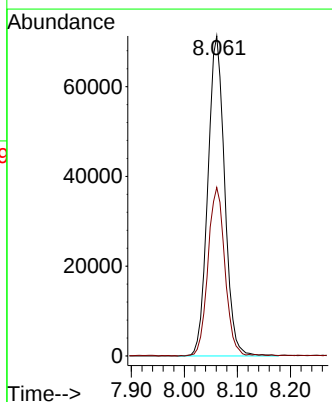
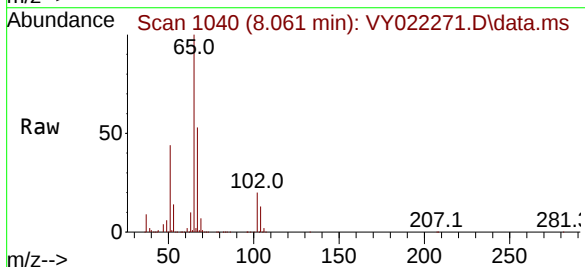
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725

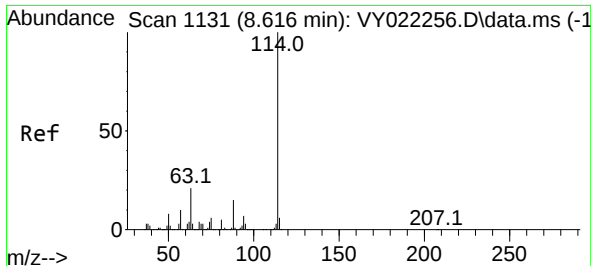
Tgt Ion: 56 Resp: 7556
Ion Ratio Lower Upper
56 100
69 145.0 27.4 41.2#
84 132.3 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 48.480 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

Tgt Ion: 65 Resp: 156709
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022271.D

Acq: 15 May 2025 17:56

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-28-050725

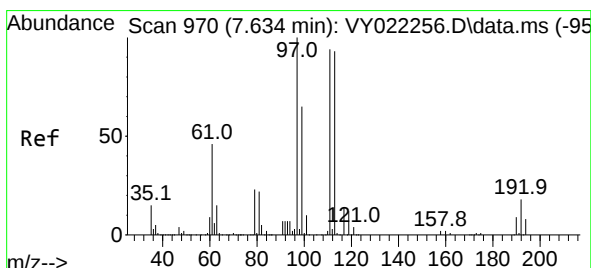
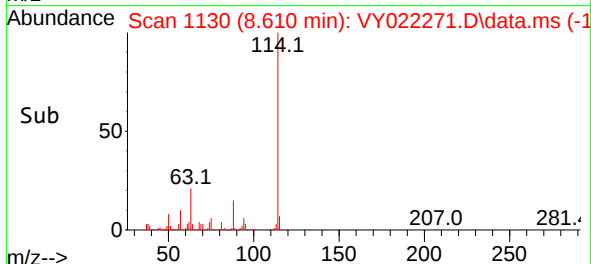
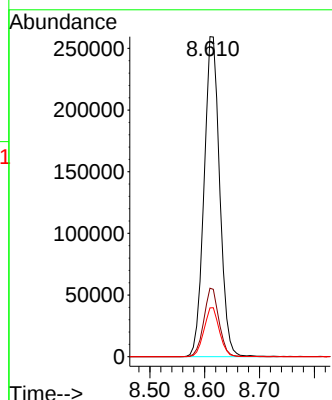
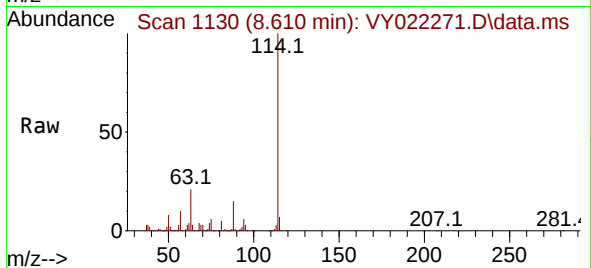
Tgt Ion:114 Resp: 512727

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.0

88 15.3 0.0 29.4



#35

Dibromofluoromethane

Concen: 49.858 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022271.D

Acq: 15 May 2025 17:56

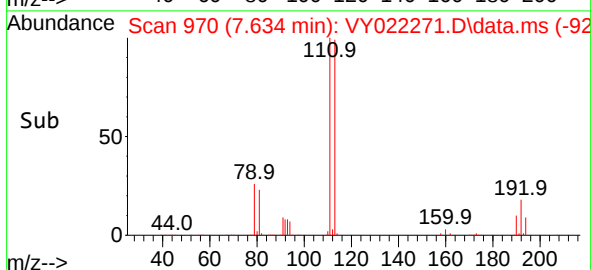
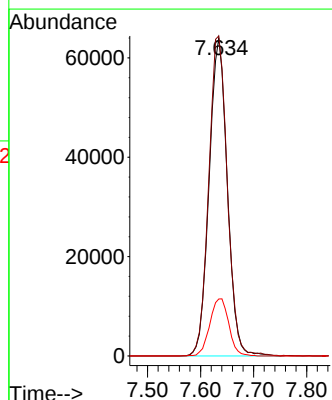
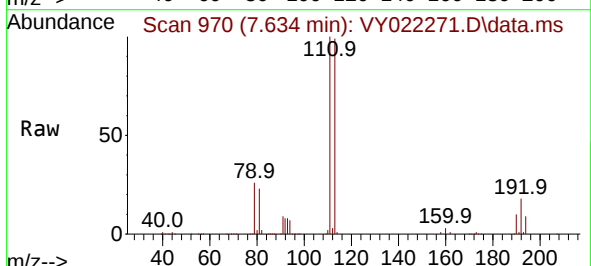
Tgt Ion:113 Resp: 152579

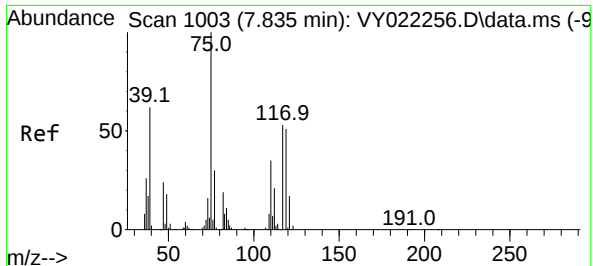
Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 18.8 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.000 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY022271.D

Acq: 15 May 2025 17:56

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-28-050725

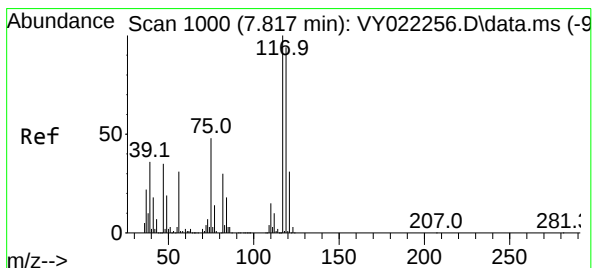
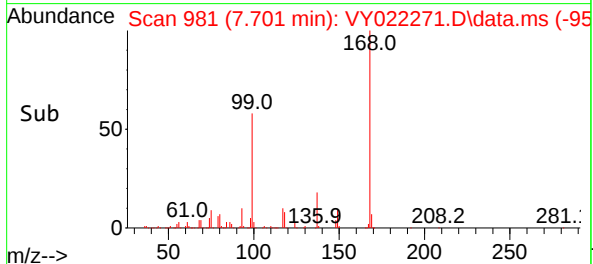
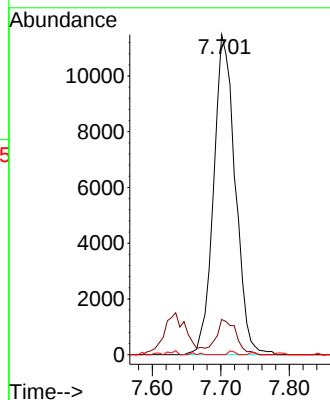
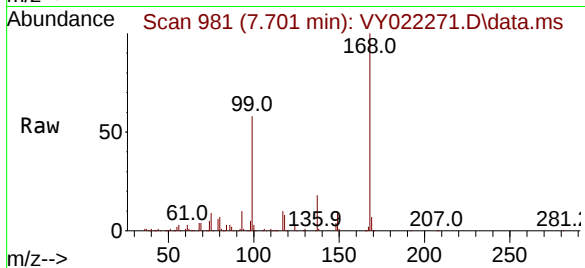
Tgt Ion: 75 Resp: 25201

Ion Ratio Lower Upper

75 100

110 10.2 16.6 49.8#

77 0.3 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.833 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022271.D

Acq: 15 May 2025 17:56

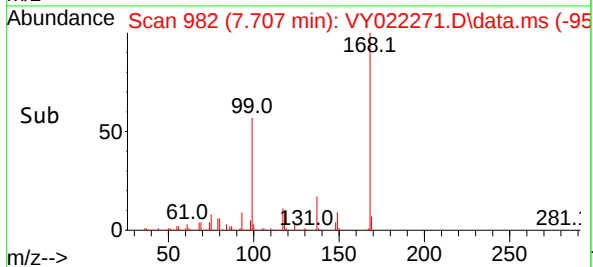
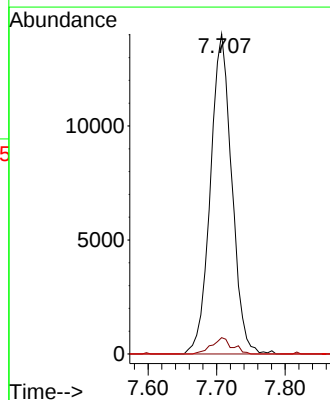
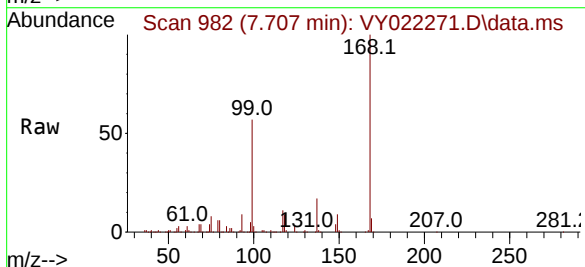
Tgt Ion: 117 Resp: 30436

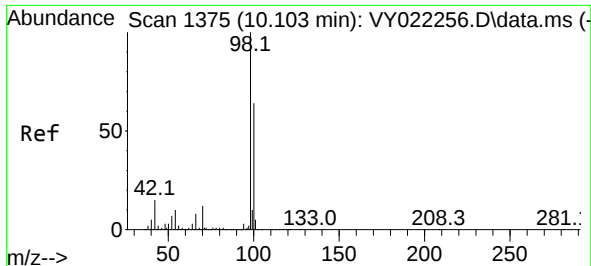
Ion Ratio Lower Upper

117 100

119 5.1 75.3 112.9#

121 0.0 24.7 37.1#

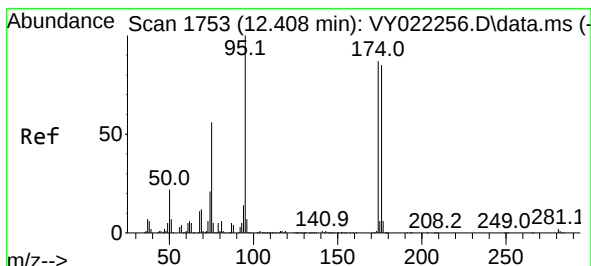
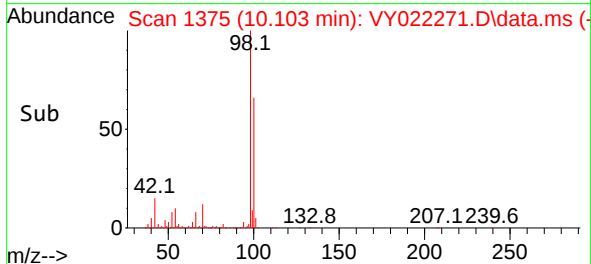
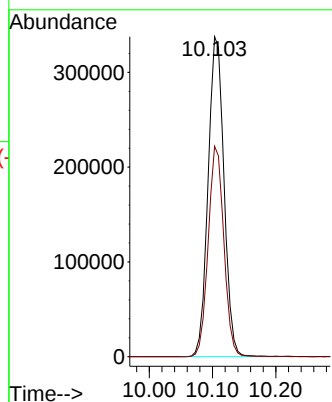
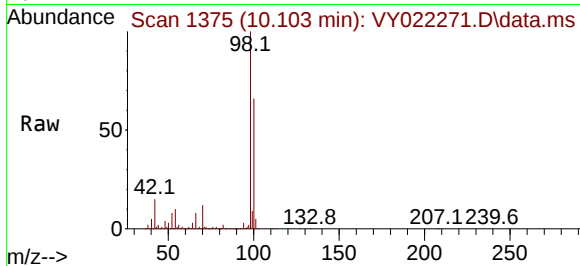




#50
Toluene-d8
Concen: 47.091 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

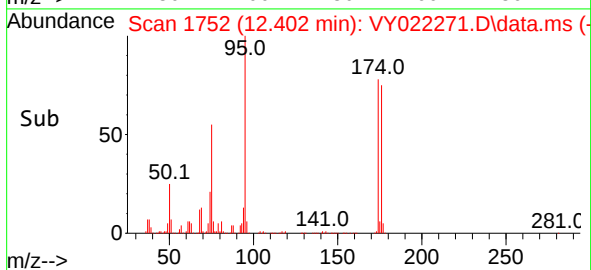
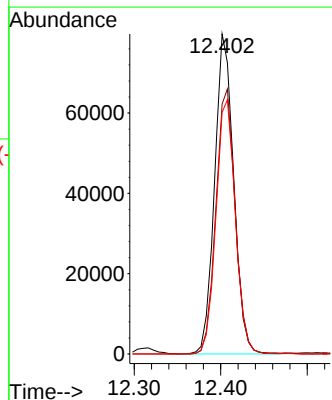
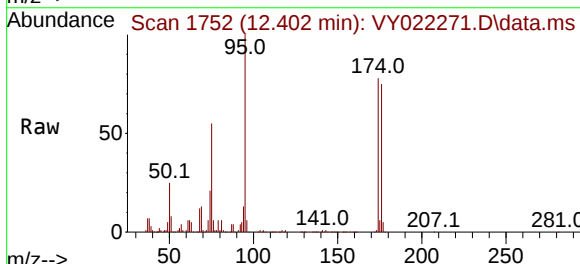
Instrument :
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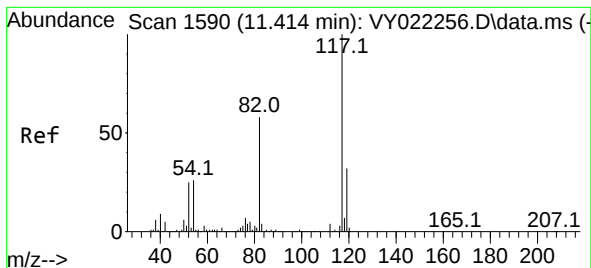
Tgt Ion: 98 Resp: 590210
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 30.721 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

Tgt Ion: 95 Resp: 122043
Ion Ratio Lower Upper
95 100
174 83.9 0.0 166.8
176 80.4 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022271.D

Acq: 15 May 2025 17:56

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-28-050725

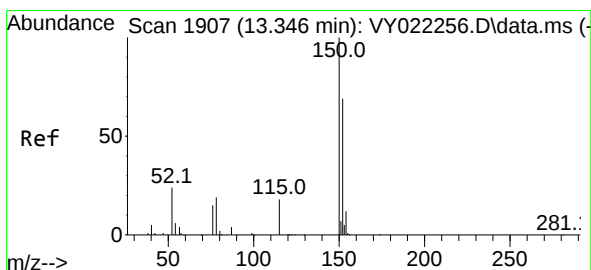
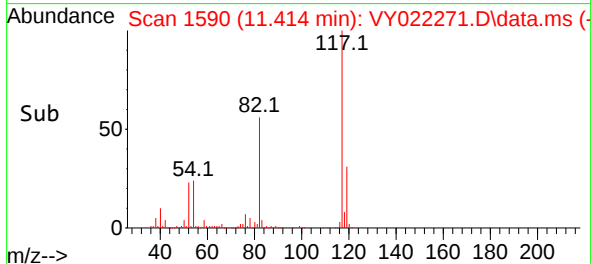
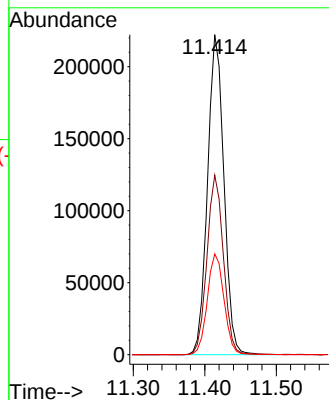
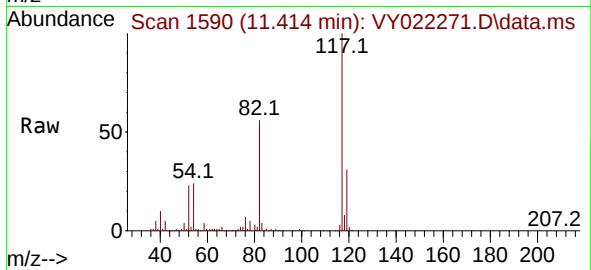
Tgt Ion:117 Resp: 353419

Ion Ratio Lower Upper

117 100

82 56.1 46.6 70.0

119 31.5 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022271.D

Acq: 15 May 2025 17:56

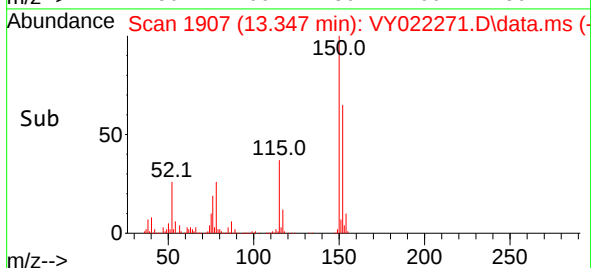
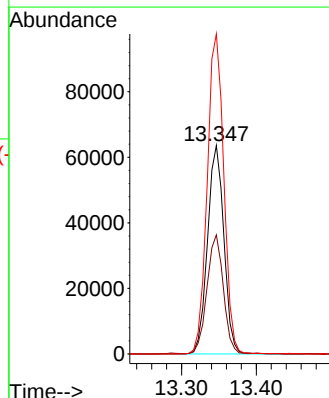
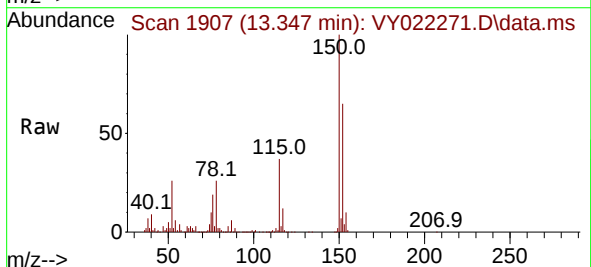
Tgt Ion:152 Resp: 96887

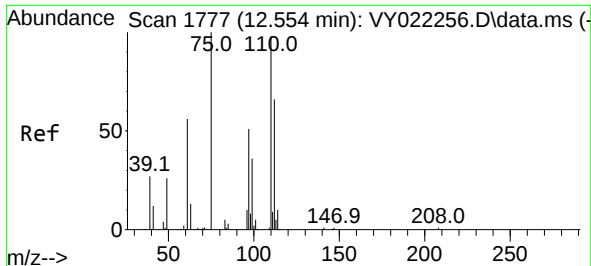
Ion Ratio Lower Upper

152 100

115 57.4 29.4 88.2

150 155.2 0.0 353.8

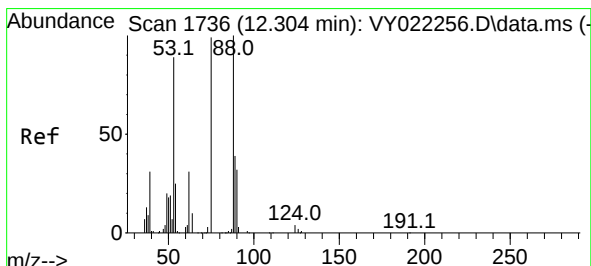
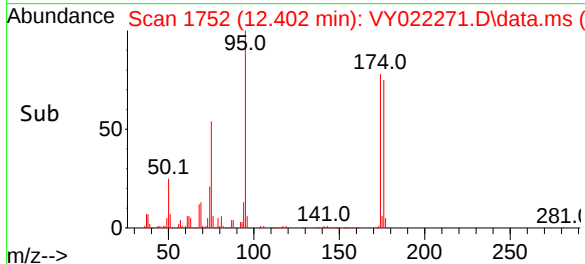
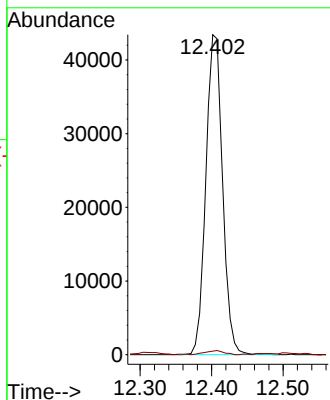
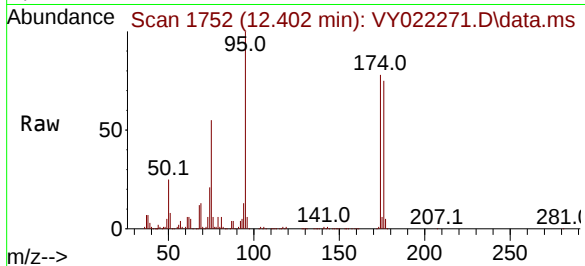




#76
1,2,3-Trichloropropane
Concen: 71.737 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725

Tgt Ion: 75 Resp: 70415
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 145.322 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

Tgt Ion: 75 Resp: 70415
Ion Ratio Lower Upper
75 100
53 0.3 75.8 113.8#
89 0.2 36.2 54.2#

