

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022268.D
 Acq On : 15 May 2025 16:46
 Operator : SY/MD
 Sample : Q1984-09
 Misc : 2.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-25-050725

Quant Time: May 16 01:57:44 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)

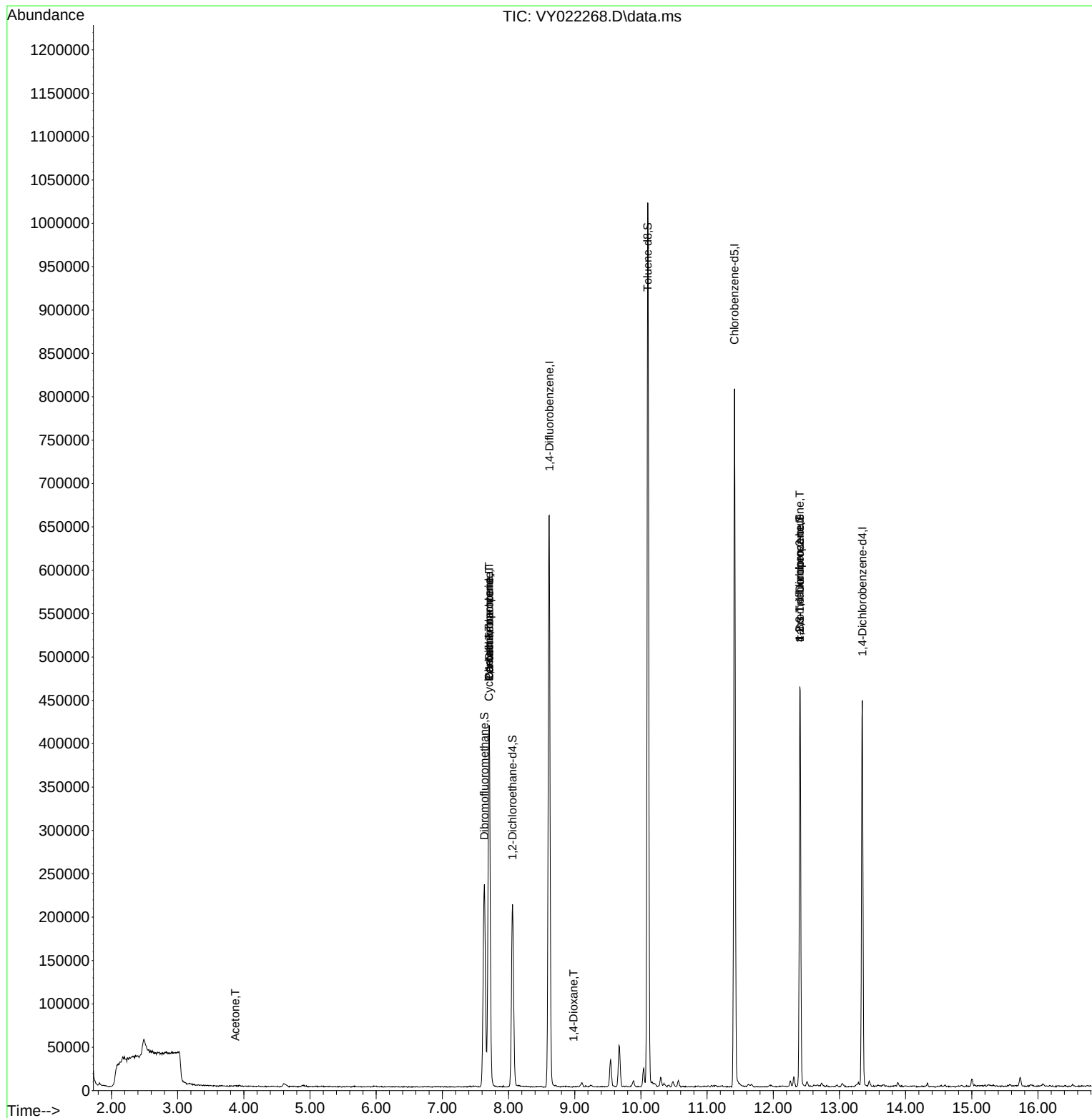
Internal Standards						
1) Pentafluorobenzene	7.707	168	318227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	548916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	389058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	103883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	160138	46.044	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.080%		
35) Dibromofluoromethane	7.634	113	164082	50.082	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.160%		
50) Toluene-d8	10.103	98	642684	47.897	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.800%		
62) 4-Bromofluorobenzene	12.401	95	134320	31.582	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	63.160%		
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	718	1.101	ug/l #	84
31) Cyclohexane	7.701	56	9068	1.289	ug/l #	38
36) 1,1-Dichloropropene	7.707	75	26732	4.954	ug/l #	51
38) Carbon Tetrachloride	7.707	117	32350	5.791	ug/l #	16
49) 1,4-Dioxane	8.981	88	27	1.149	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	77355	73.500	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	77355	148.893	ug/l #	12

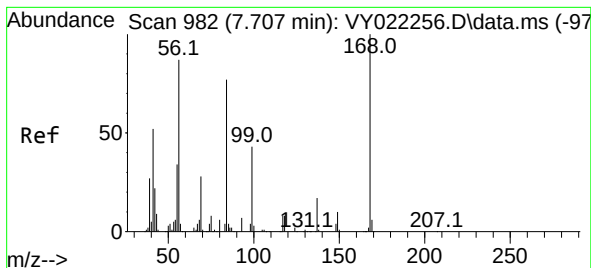
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.000 min

Lab File: VY022268.D

Acq: 15 May 2025 16:46

Instrument :

MSVOA_Y

ClientSampleId :

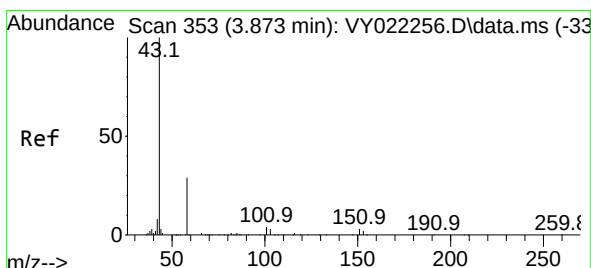
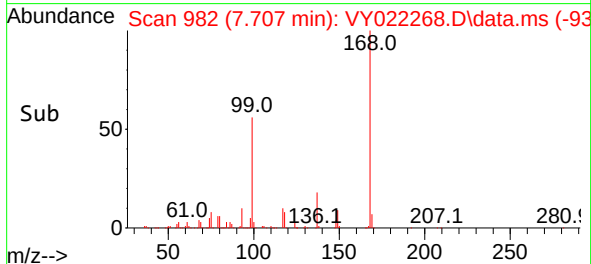
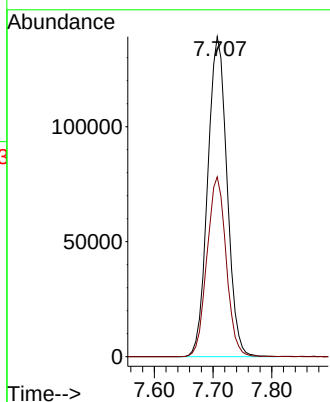
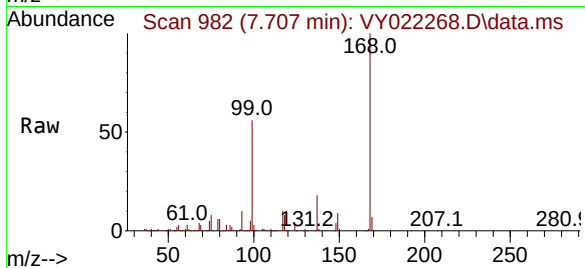
OU4-TS-25-050725

Tgt Ion:168 Resp: 318227

Ion Ratio Lower Upper

168 100

99 56.2 44.2 66.4



#16

Acetone

Concen: 1.101 ug/l

RT: 3.873 min Scan# 353

Delta R.T. -0.000 min

Lab File: VY022268.D

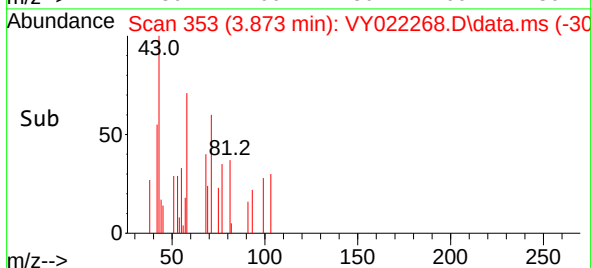
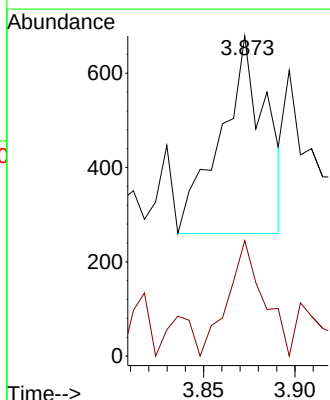
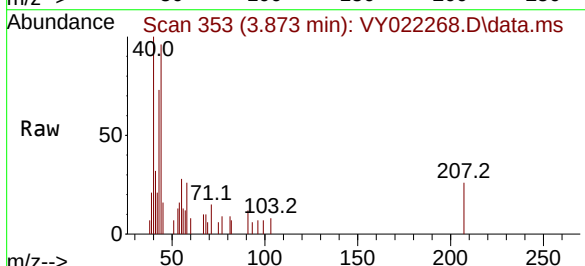
Acq: 15 May 2025 16:46

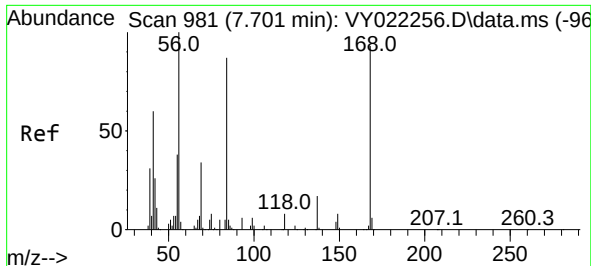
Tgt Ion: 43 Resp: 718

Ion Ratio Lower Upper

43 100

58 38.2 23.6 35.4#

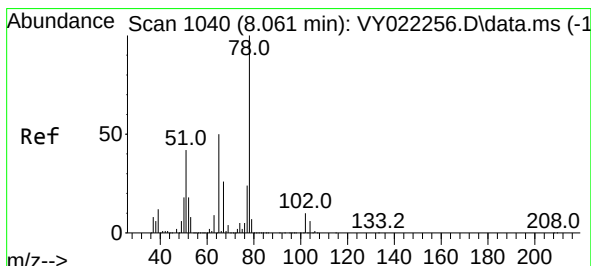
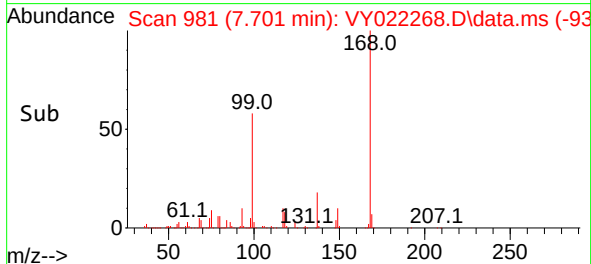
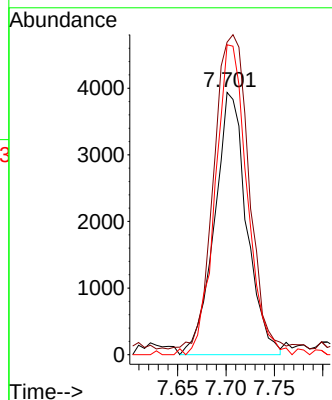
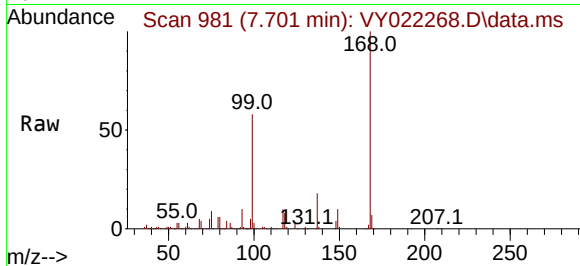




#31
Cyclohexane
Concen: 1.289 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022268.D
Acq: 15 May 2025 16:46

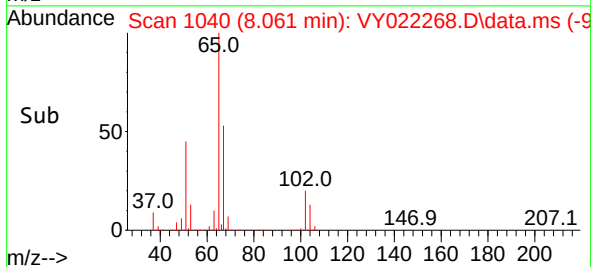
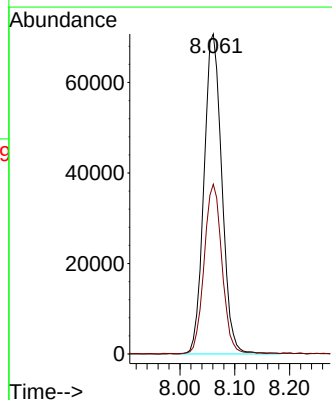
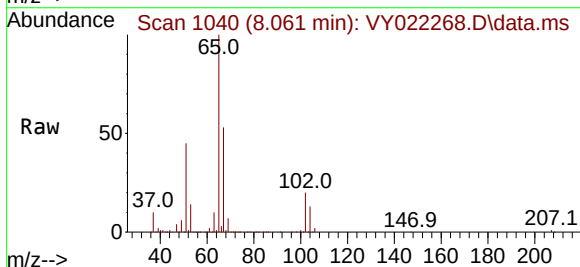
Instrument :
MSVOA_Y
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OU4-TS-25-050725

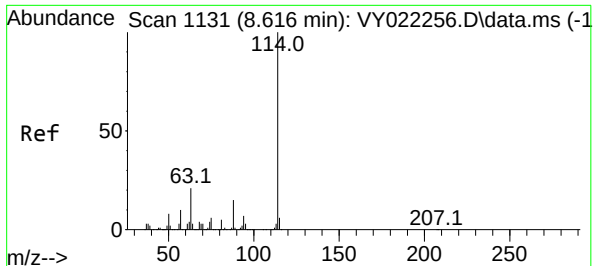
Tgt Ion: 56 Resp: 9068
Ion Ratio Lower Upper
56 100
69 116.3 27.4 41.2#
84 116.2 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 46.044 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022268.D
Acq: 15 May 2025 16:46

Tgt Ion: 65 Resp: 160138
Ion Ratio Lower Upper
65 100
67 52.6 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: VY022268.D

Acq: 15 May 2025 16:46

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-25-050725

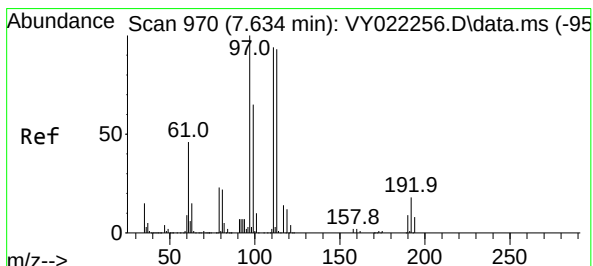
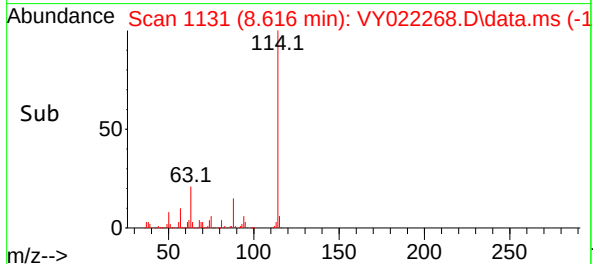
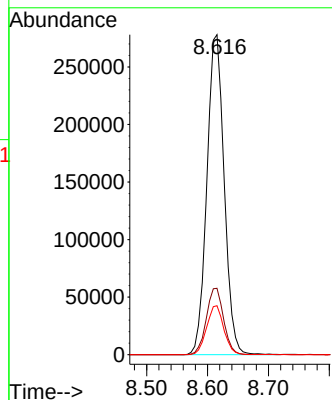
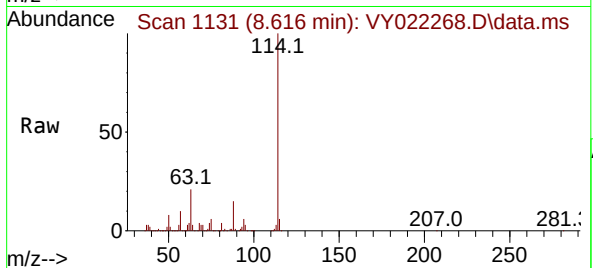
Tgt Ion:114 Resp: 548916

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.0

88 15.3 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.082 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022268.D

Acq: 15 May 2025 16:46

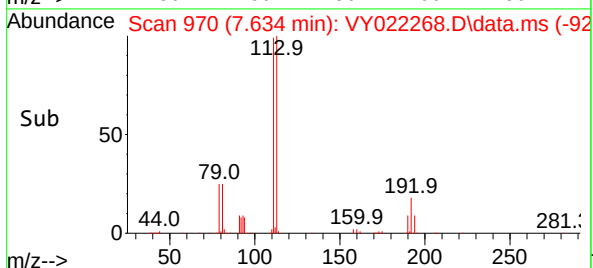
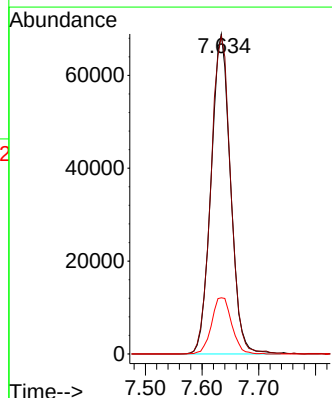
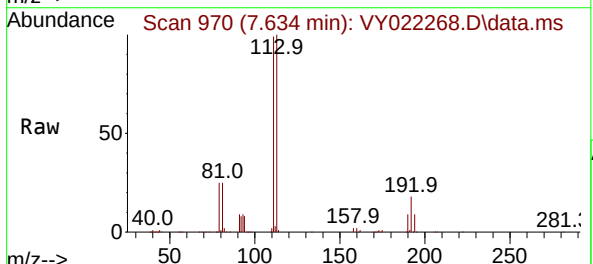
Tgt Ion:113 Resp: 164082

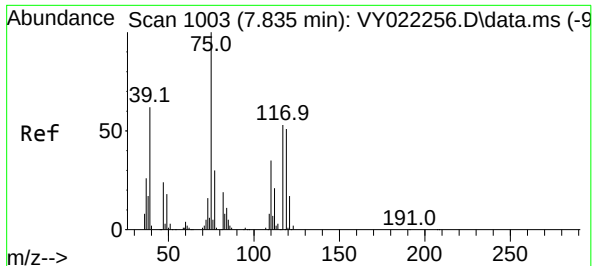
Ion Ratio Lower Upper

113 100

111 101.2 82.6 123.8

192 18.2 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.954 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY022268.D

Acq: 15 May 2025 16:46

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-25-050725

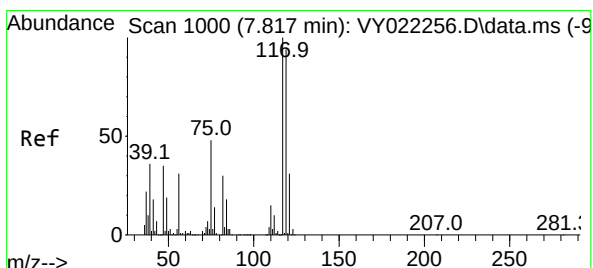
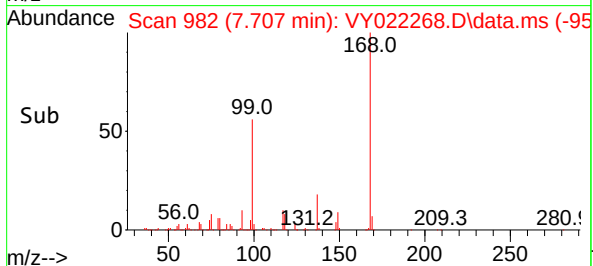
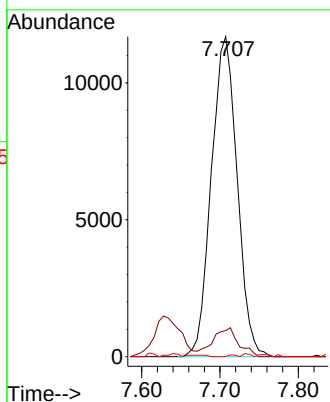
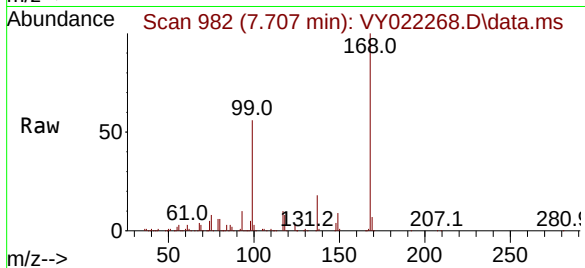
Tgt Ion: 75 Resp: 26732

Ion Ratio Lower Upper

75 100

110 9.0 16.6 49.8#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.791 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022268.D

Acq: 15 May 2025 16:46

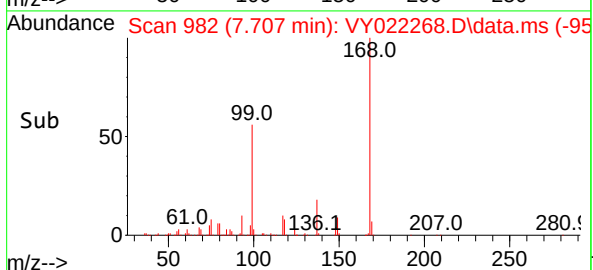
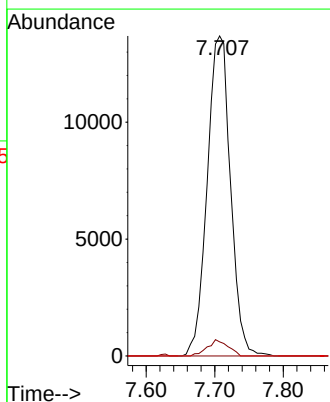
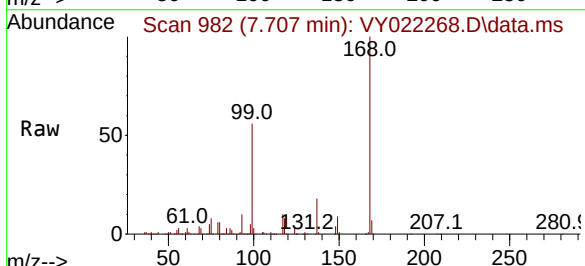
Tgt Ion: 117 Resp: 32350

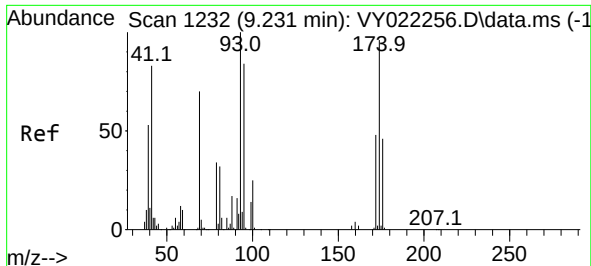
Ion Ratio Lower Upper

117 100

119 4.4 75.3 112.9#

121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 1.149 ug/l

RT: 8.981 min Scan# 1191

Delta R.T. -0.250 min

Lab File: VY022268.D

Acq: 15 May 2025 16:46

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-25-050725

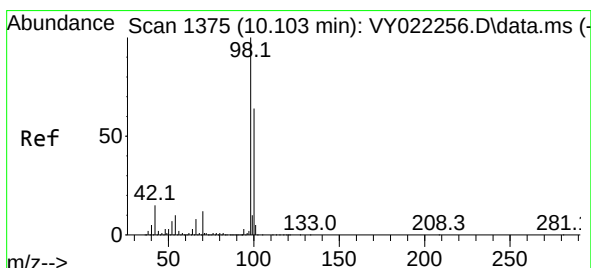
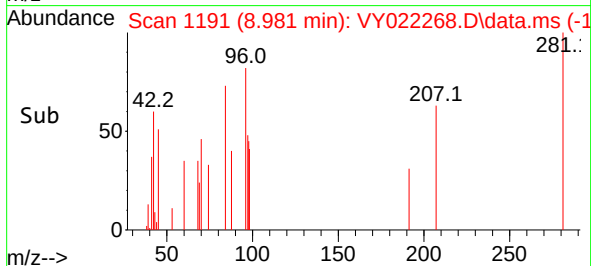
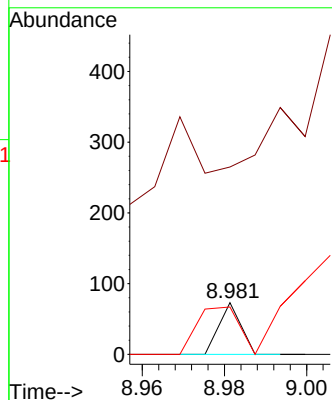
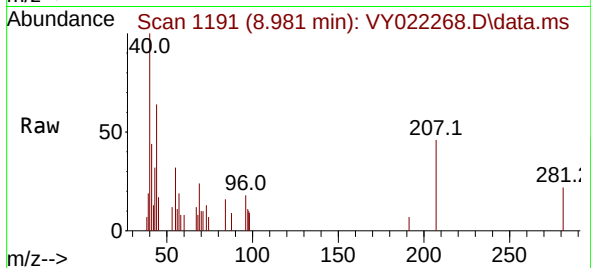
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 28.5 42.7#

58 177.8 61.4 92.2#



#50

Toluene-d8

Concen: 47.897 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022268.D

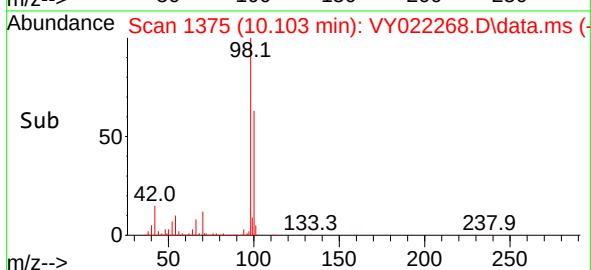
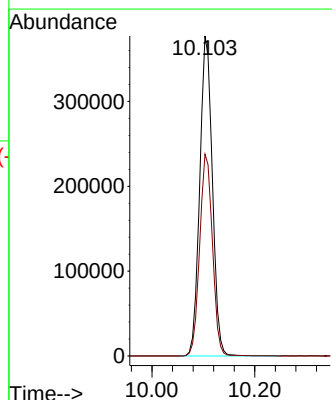
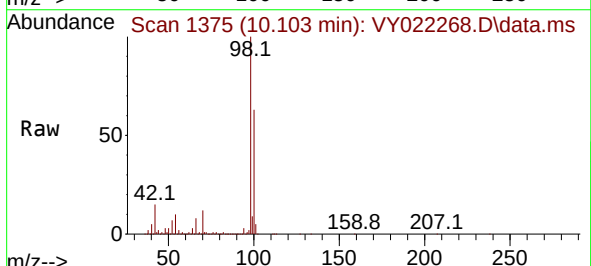
Acq: 15 May 2025 16:46

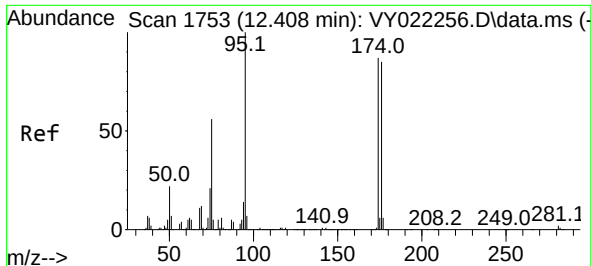
Tgt Ion: 98 Resp: 642684

Ion Ratio Lower Upper

98 100

100 63.8 51.8 77.8

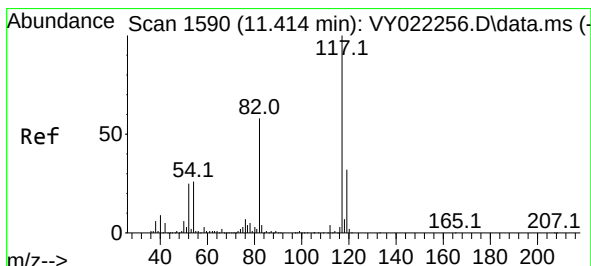
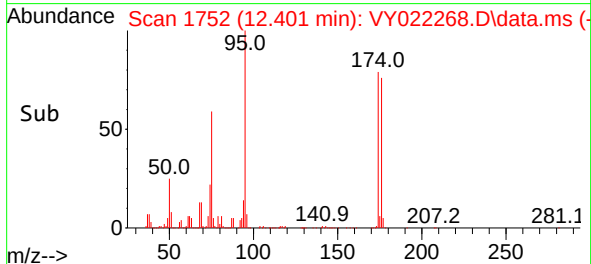
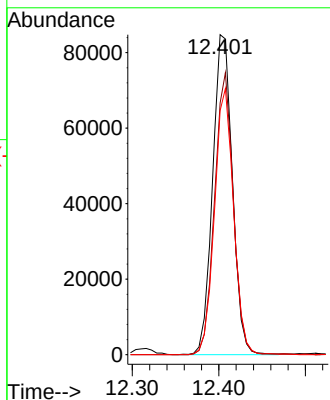
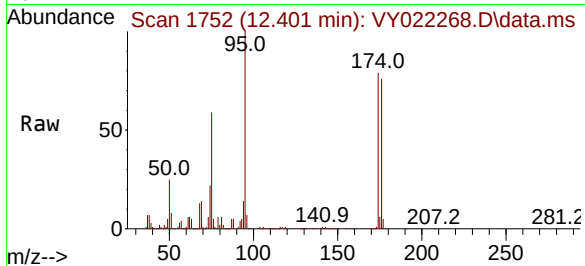




#62
4-Bromofluorobenzene
Concen: 31.582 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022268.D
Acq: 15 May 2025 16:46

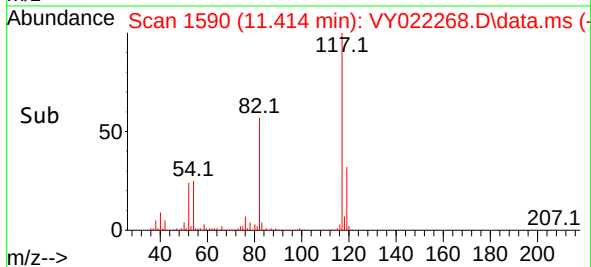
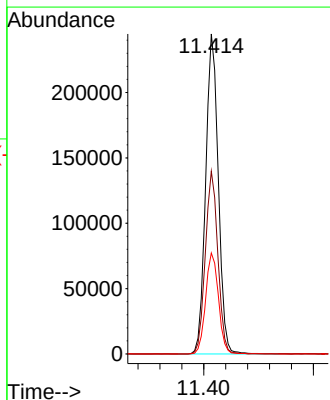
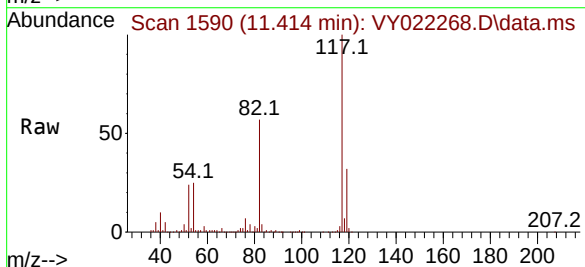
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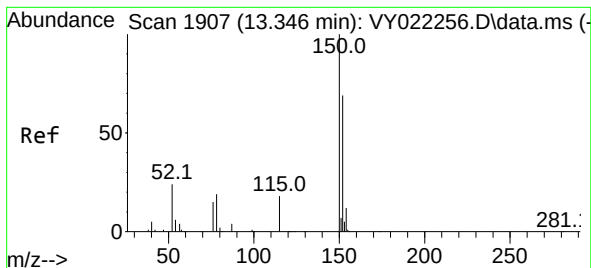
Tgt Ion: 95 Resp: 134320
Ion Ratio Lower Upper
95 100
174 84.0 0.0 166.8
176 80.5 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022268.D
Acq: 15 May 2025 16:46

Tgt Ion: 117 Resp: 389058
Ion Ratio Lower Upper
117 100
82 57.1 46.6 70.0
119 31.6 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022268.D

Acq: 15 May 2025 16:46

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-25-050725

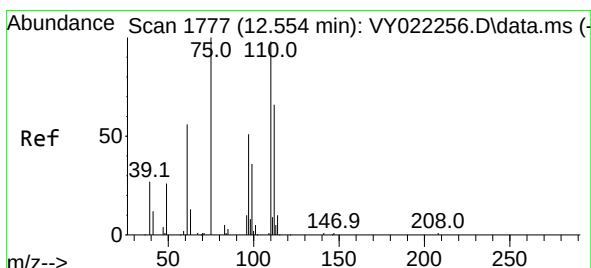
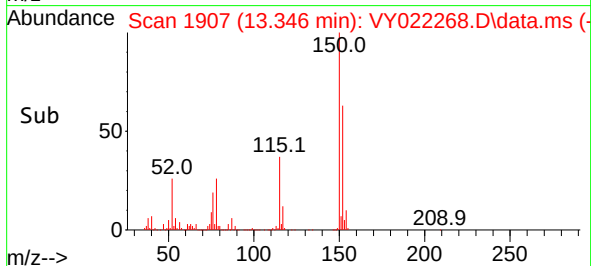
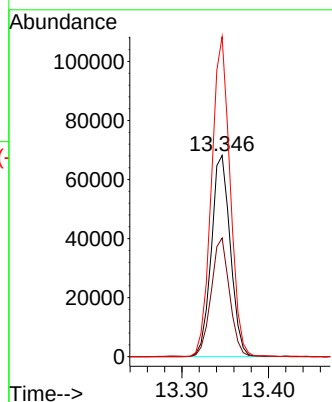
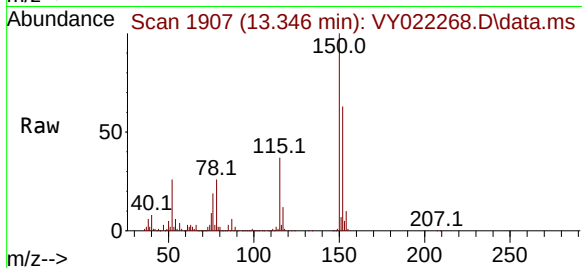
Tgt Ion:152 Resp: 103883

Ion Ratio Lower Upper

152 100

115 57.4 29.4 88.2

150 155.9 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 73.500 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022268.D

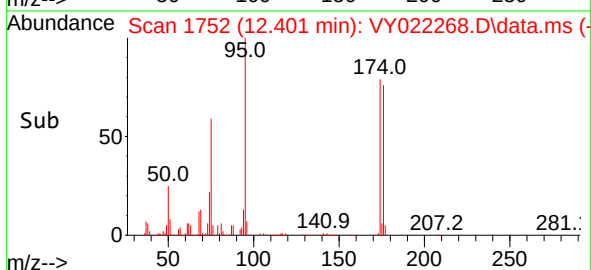
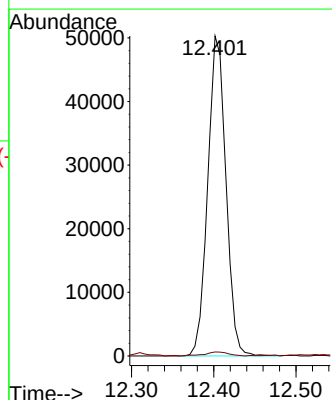
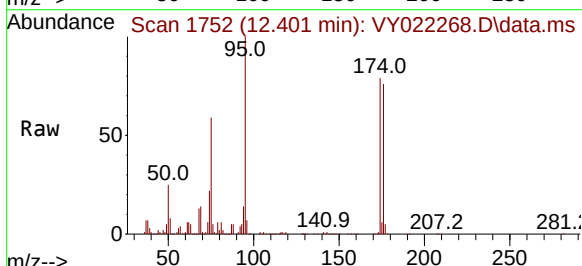
Acq: 15 May 2025 16:46

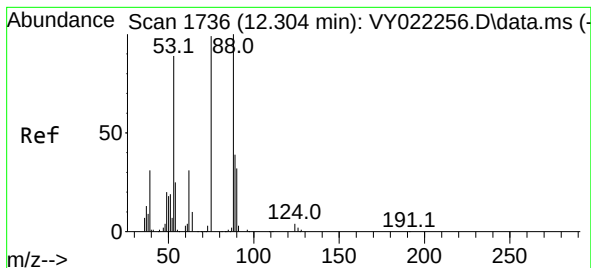
Tgt Ion: 75 Resp: 77355

Ion Ratio Lower Upper

75 100

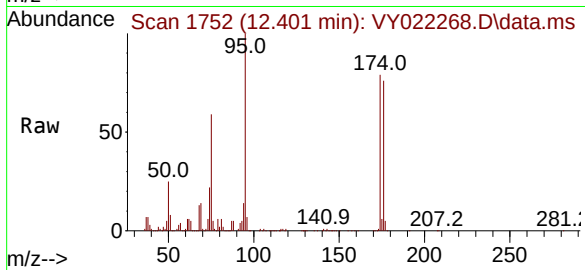
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.893 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022268.D
 Acq: 15 May 2025 16:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-25-050725



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	75.8	113.8#
89	0.0	36.2	54.2#

