

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022284.D
 Acq On : 16 May 2025 12:29
 Operator : SY/MD
 Sample : Q1984-13
 Misc : 3.42g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-27-050725

Quant Time: May 17 01:31:42 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)

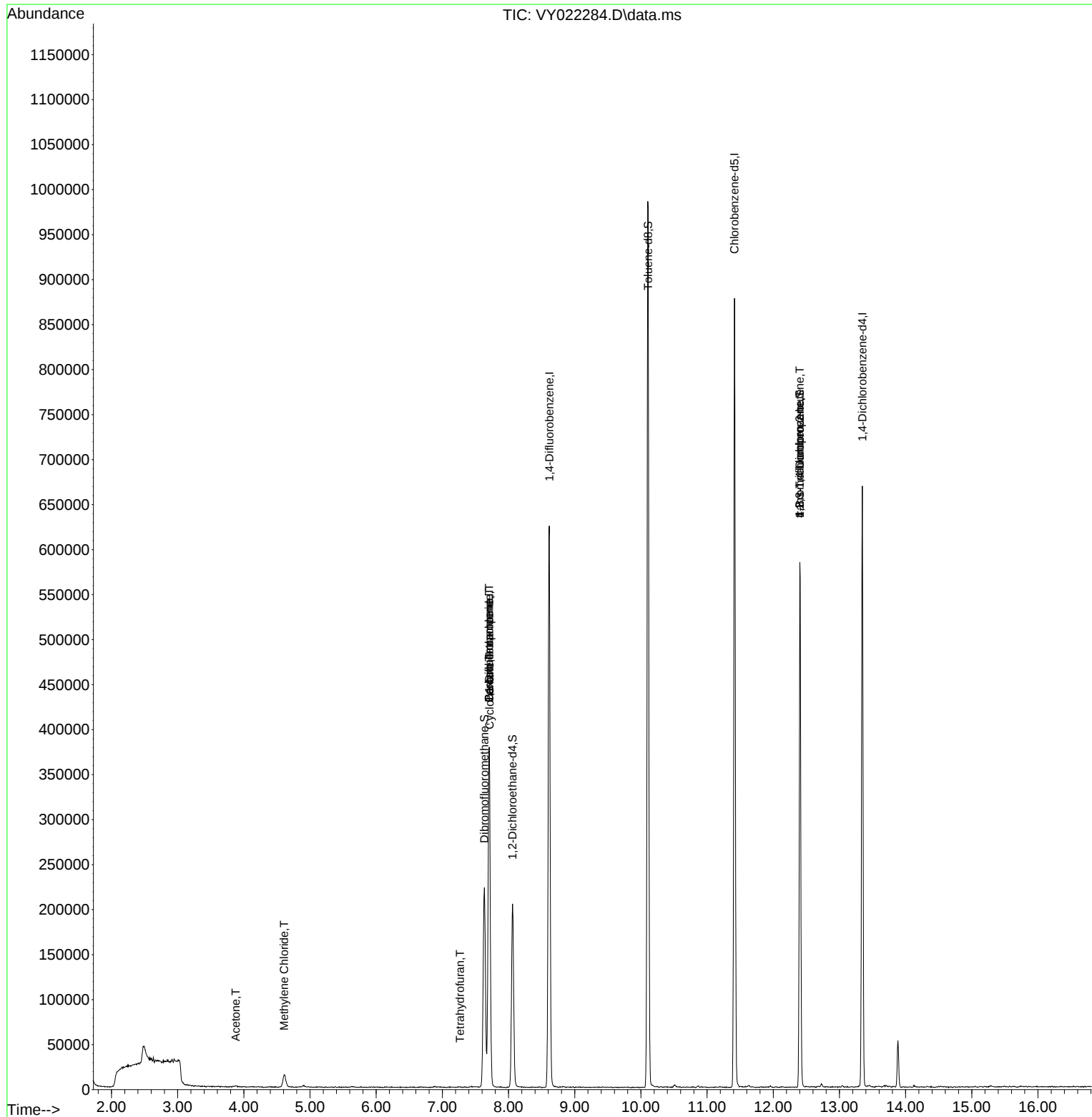
Internal Standards						
1) Pentafluorobenzene	7.707	168	290740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	521620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	417665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	152557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156001	49.095	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.200%
35) Dibromofluoromethane	7.634	113	154975	49.778	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.560%
50) Toluene-d8	10.109	98	624035	48.941	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.880%
62) 4-Bromofluorobenzene	12.402	95	162278	40.152	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.300%
Target Compounds						
16) Acetone	3.879	43	1946	3.266	ug/l	93
20) Methylene Chloride	4.610	84	9836	2.555	ug/l	89
29) Tetrahydrofuran	7.268	42	992	1.547	ug/l #	40
31) Cyclohexane	7.713	56	7413	1.153	ug/l #	24
36) 1,1-Dichloropropene	7.707	75	24827	4.841	ug/l #	51
38) Carbon Tetrachloride	7.707	117	29892	5.631	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	94004	60.822	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	94004	123.210	ug/l #	12

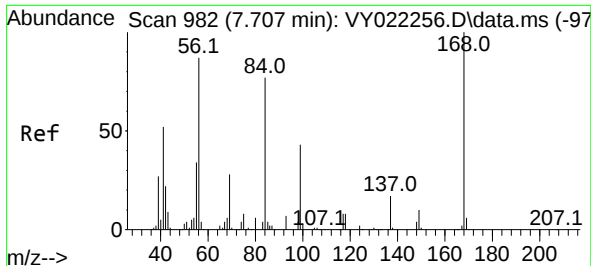
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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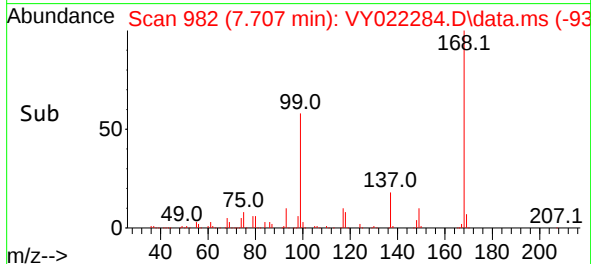
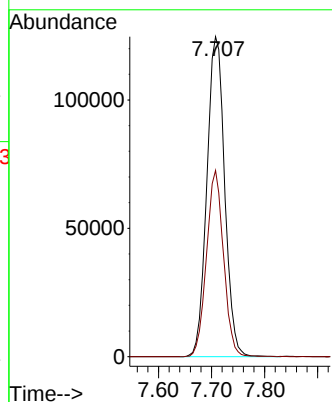
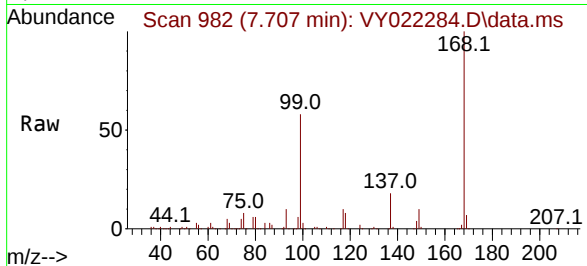




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

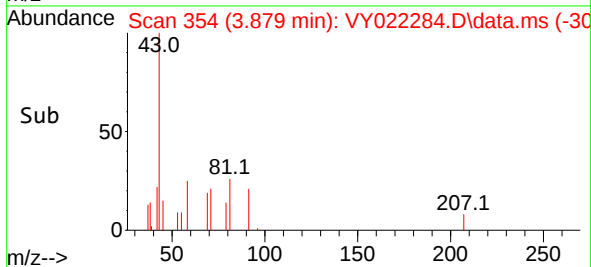
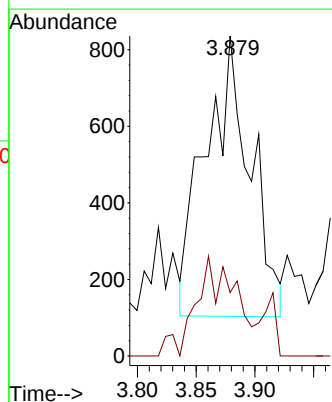
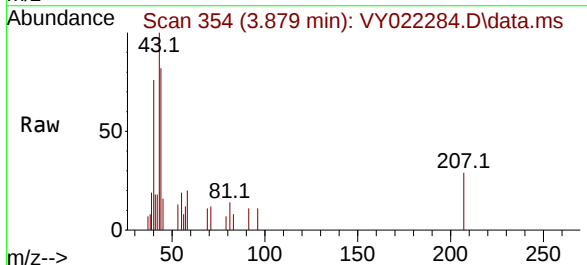
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-27-050725

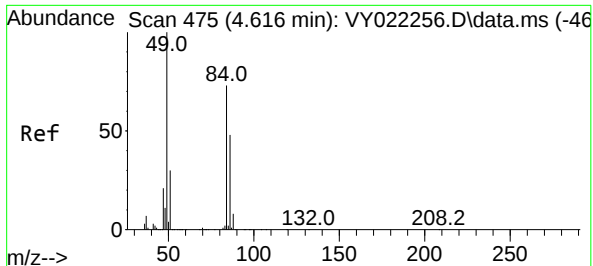
Tgt Ion:168 Resp: 290740
Ion Ratio Lower Upper
168 100
99 58.2 44.2 66.4



#16
Acetone
Concen: 3.266 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

Tgt Ion: 43 Resp: 1946
Ion Ratio Lower Upper
43 100
58 25.6 23.6 35.4

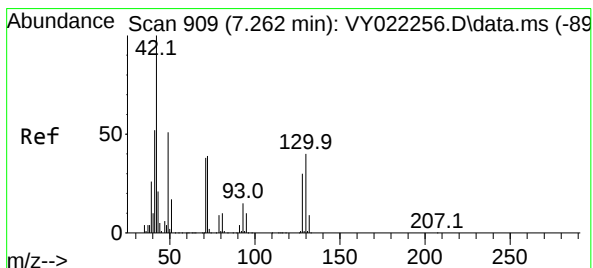
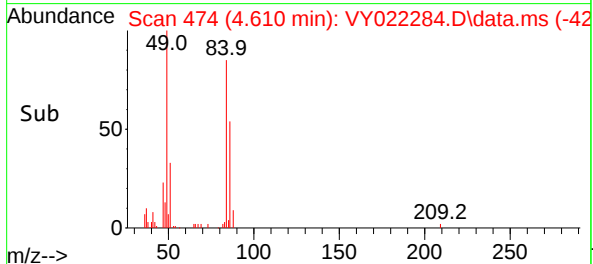
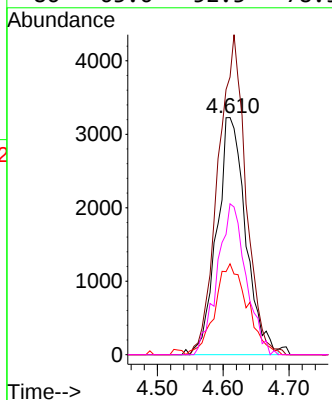
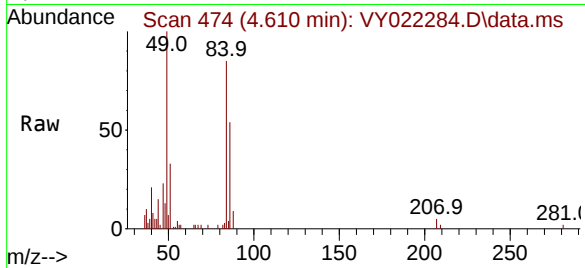




#20
Methylene Chloride
Concen: 2.555 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

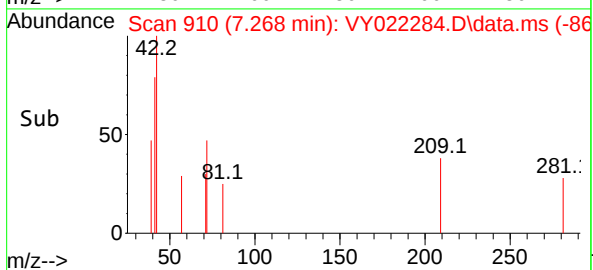
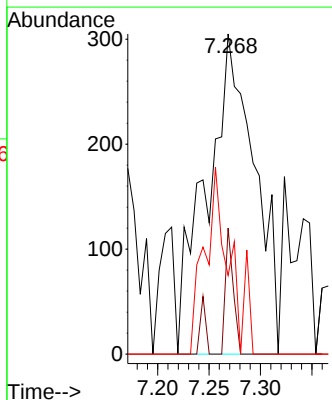
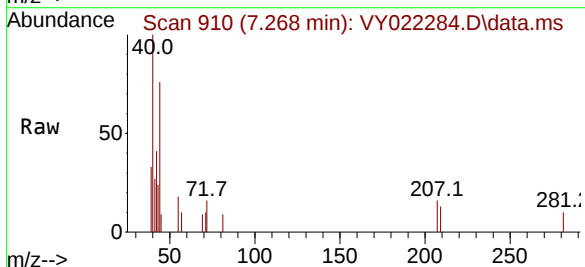
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-27-050725

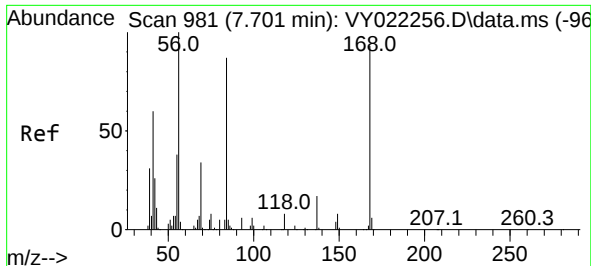
Tgt Ion: 84	Resp: 9836
Ion Ratio	Lower Upper
84 100	
49 117.1	109.6 164.4
51 36.8	32.4 48.6
86 63.6	52.3 78.5



#29
Tetrahydrofuran
Concen: 1.547 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

Tgt Ion: 42	Resp: 992
Ion Ratio	Lower Upper
42 100	
72 6.4	33.8 50.6#
71 0.0	31.5 47.3#

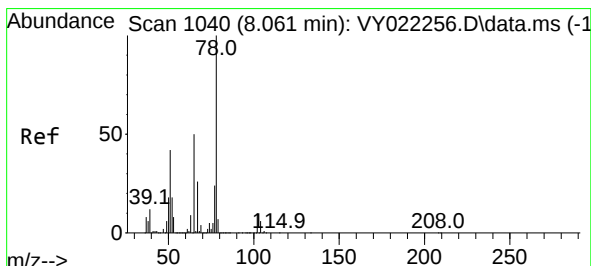
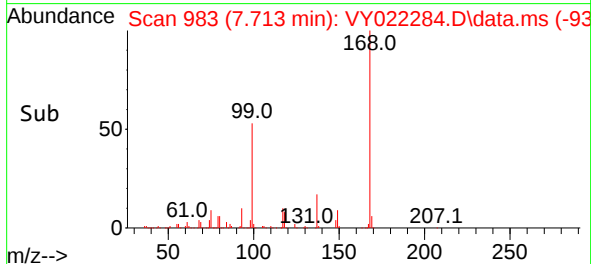
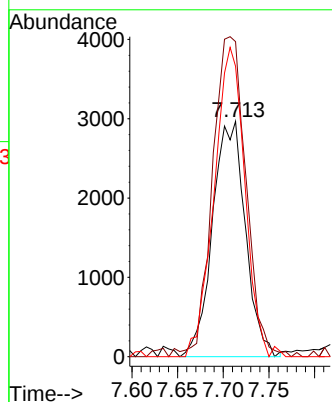
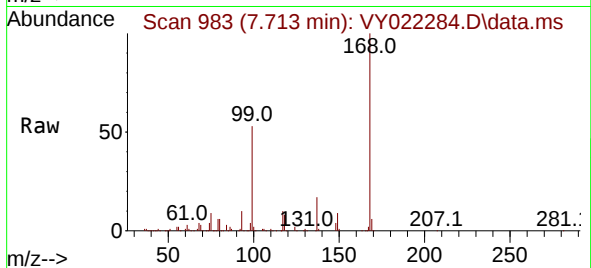




#31
Cyclohexane
Concen: 1.153 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

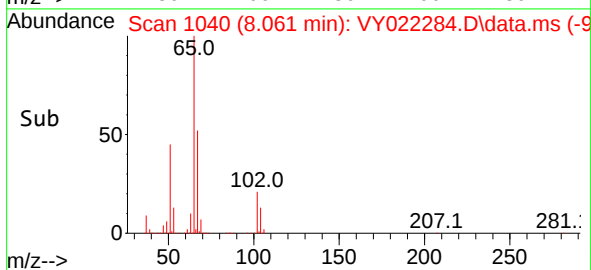
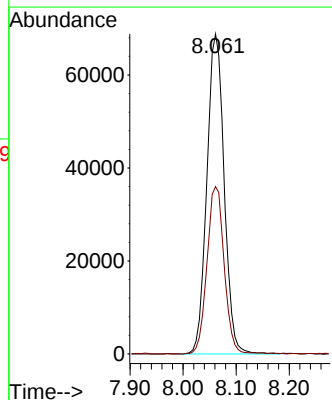
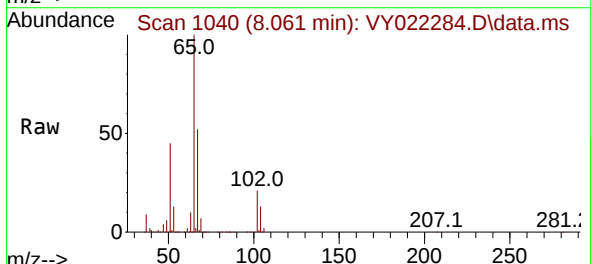
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-27-050725

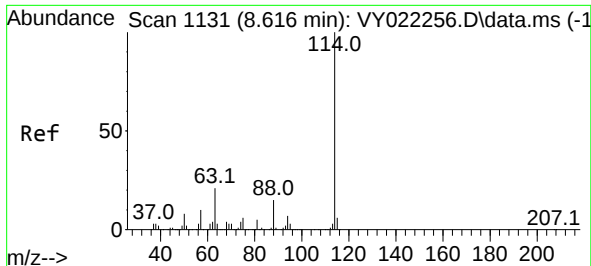
Tgt Ion: 56 Resp: 7413
Ion Ratio Lower Upper
56 100
69 132.1 27.4 41.2#
84 123.4 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 49.095 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

Tgt Ion: 65 Resp: 156001
Ion Ratio Lower Upper
65 100
67 52.0 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: VY022284.D

Acq: 16 May 2025 12:29

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-27-050725

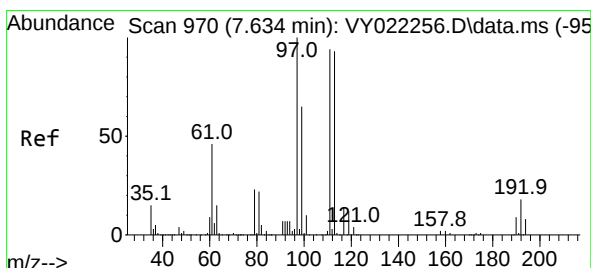
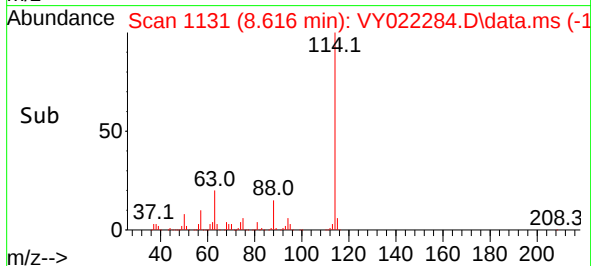
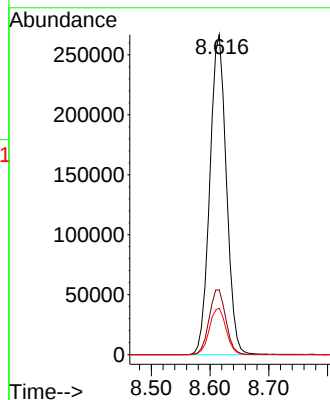
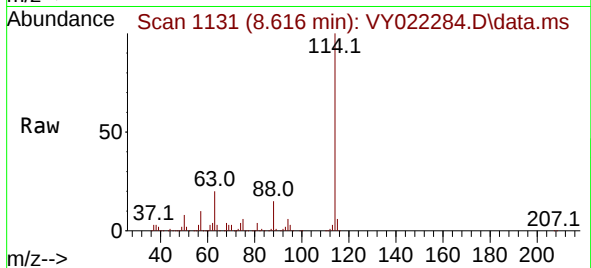
Tgt Ion:114 Resp: 521620

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.0

88 14.6 0.0 29.4



#35

Dibromofluoromethane

Concen: 49.778 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022284.D

Acq: 16 May 2025 12:29

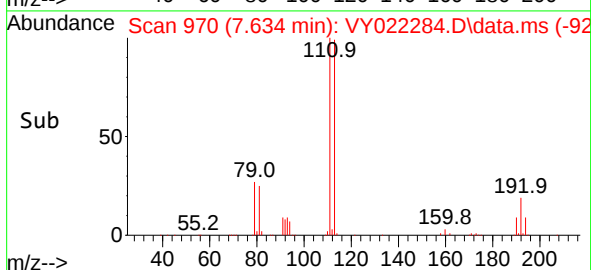
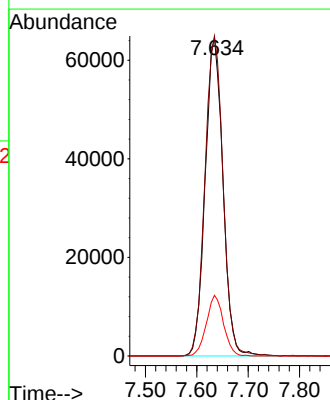
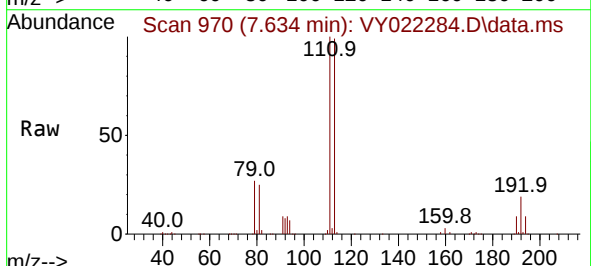
Tgt Ion:113 Resp: 154975

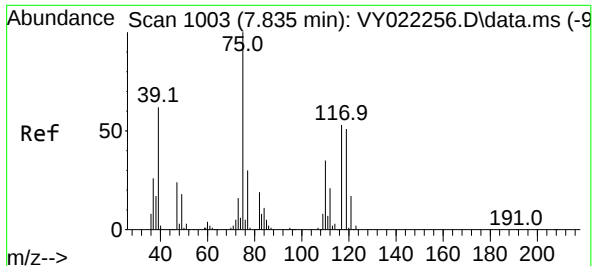
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 18.4 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.841 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022284.D

Acq: 16 May 2025 12:29

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-27-050725

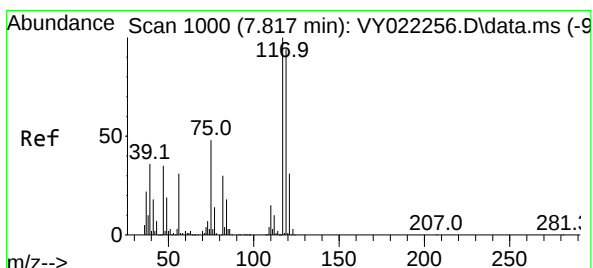
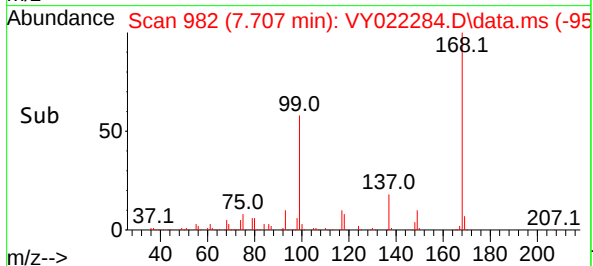
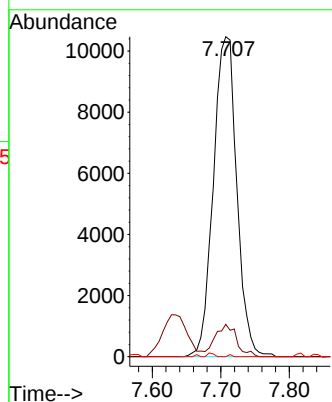
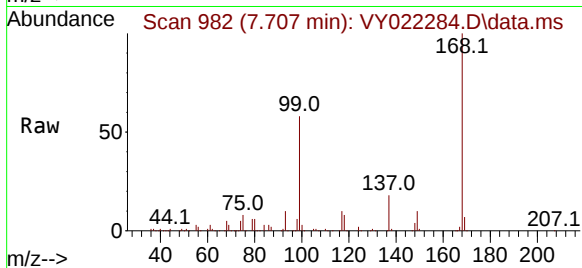
Tgt Ion: 75 Resp: 24827

Ion Ratio Lower Upper

75 100

110 9.1 16.6 49.8#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.631 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022284.D

Acq: 16 May 2025 12:29

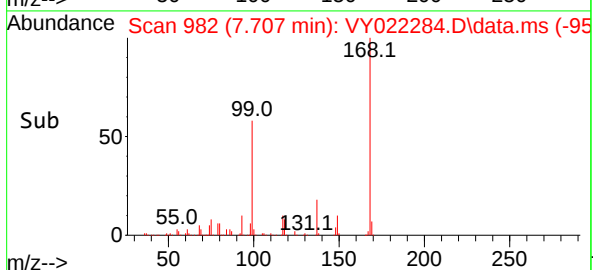
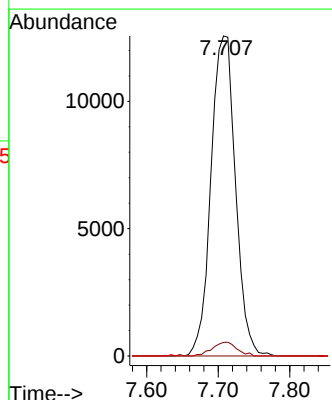
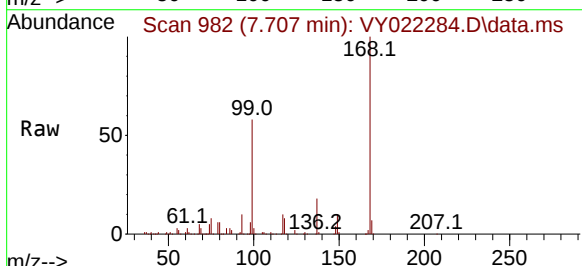
Tgt Ion: 117 Resp: 29892

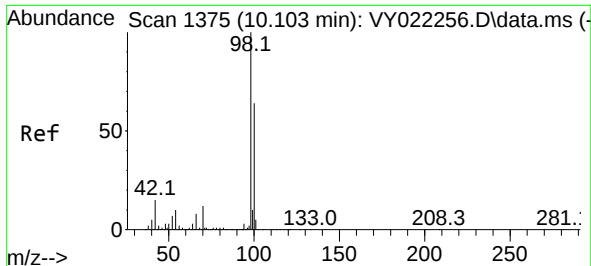
Ion Ratio Lower Upper

117 100

119 4.3 75.3 112.9#

121 0.0 24.7 37.1#

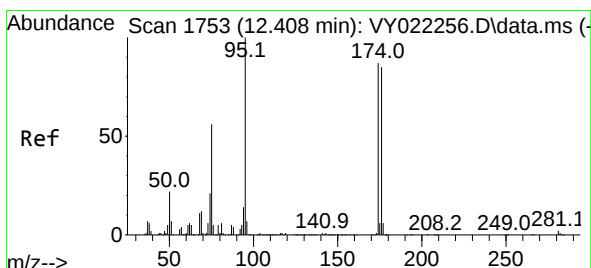
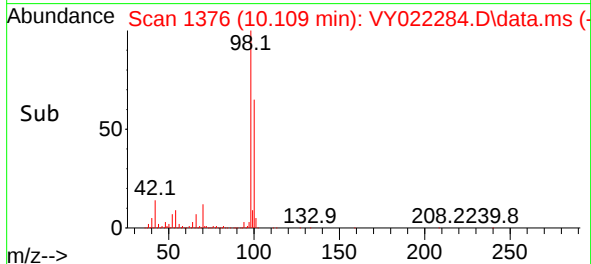
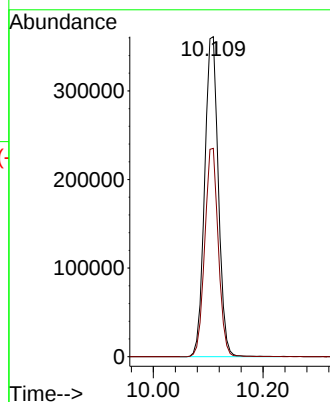
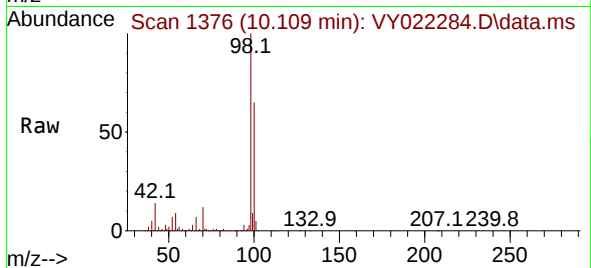




#50
Toluene-d8
Concen: 48.941 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

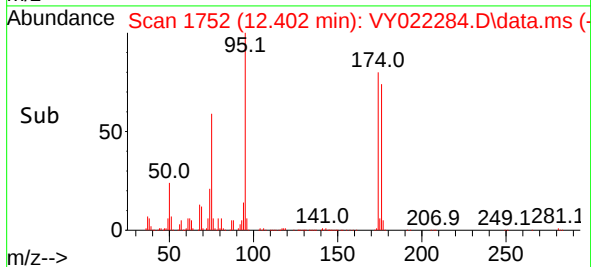
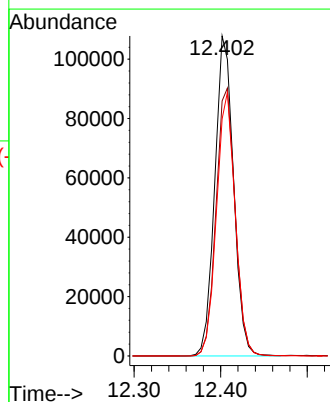
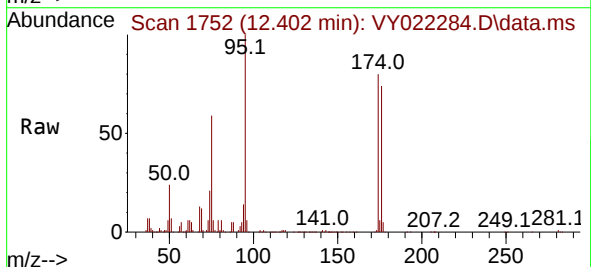
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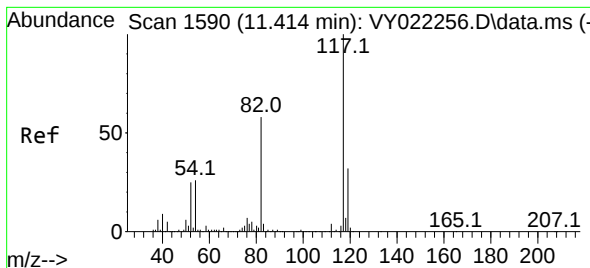
Tgt Ion: 98 Resp: 624035
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 40.152 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022284.D
Acq: 16 May 2025 12:29

Tgt Ion: 95 Resp: 162278
Ion Ratio Lower Upper
95 100
174 85.4 0.0 166.8
176 82.0 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: VY022284.D

Acq: 16 May 2025 12:29

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-27-050725

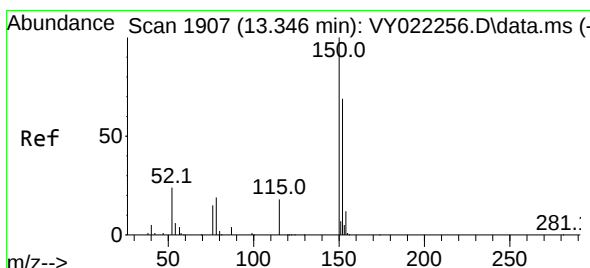
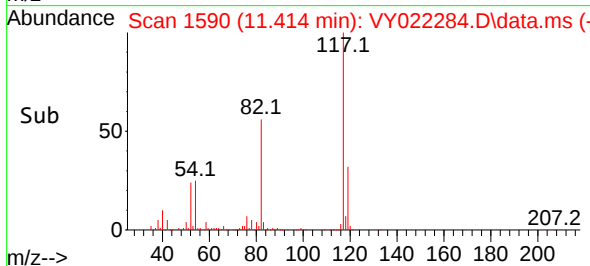
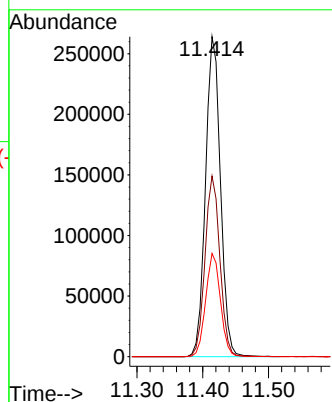
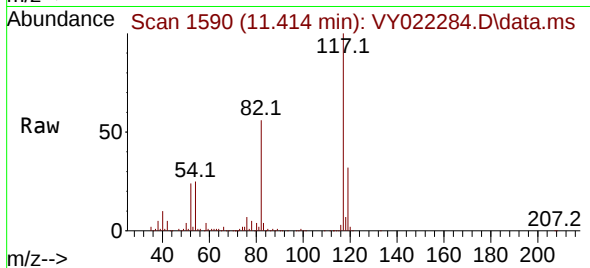
Tgt Ion:117 Resp: 417665

Ion Ratio Lower Upper

117 100

82 56.4 46.6 70.0

119 32.2 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: VY022284.D

Acq: 16 May 2025 12:29

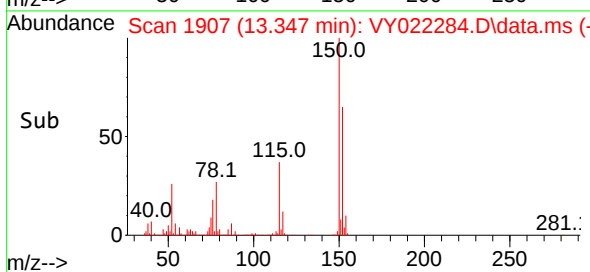
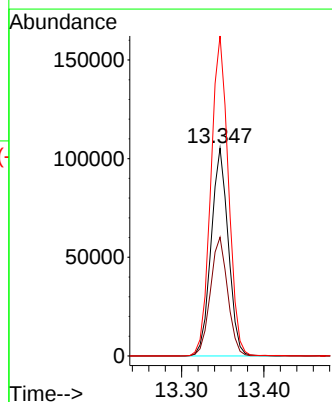
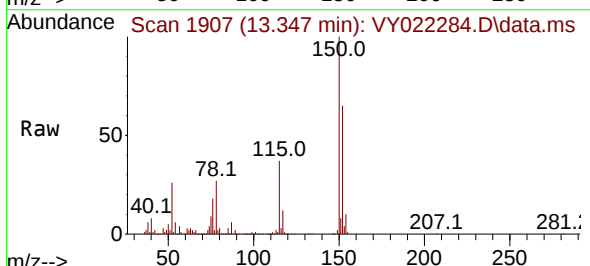
Tgt Ion:152 Resp: 152557

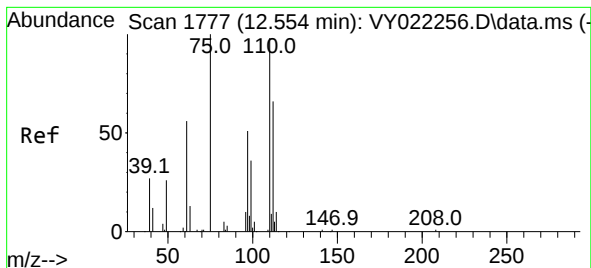
Ion Ratio Lower Upper

152 100

115 57.7 29.4 88.2

150 157.4 0.0 353.8





#76

1,2,3-Trichloropropane

Concen: 60.822 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022284.D

Acq: 16 May 2025 12:29

Instrument :

MSVOA_Y

ClientSampleId :

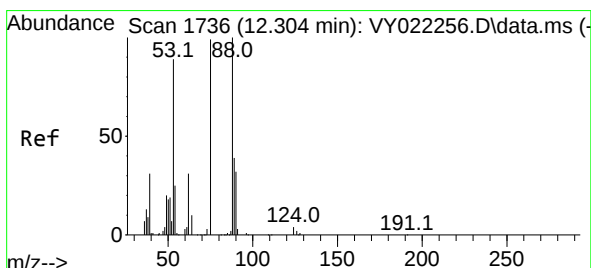
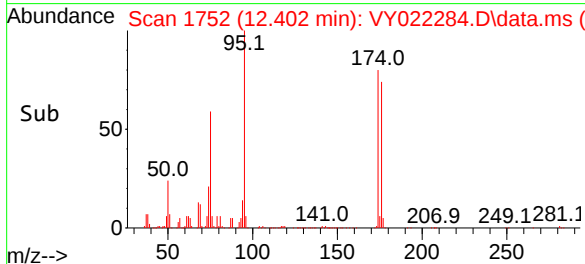
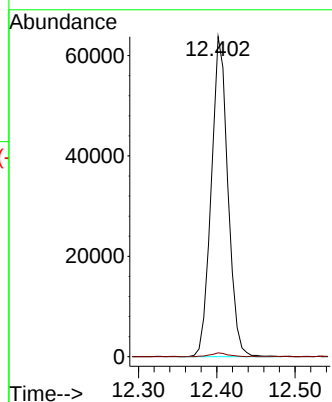
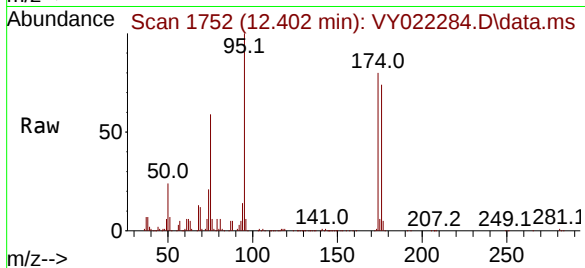
OU4-TS-27-050725

Tgt Ion: 75 Resp: 94004

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.210 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY022284.D

Acq: 16 May 2025 12:29

Tgt Ion: 75 Resp: 94004

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

89 0.0 36.2 54.2#

