

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
 Data File : VY021481.D
 Acq On : 11 Mar 2025 13:11
 Operator : SY/MD
 Sample : Q1514-03
 Misc : 7.48g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-105-SB02

Quant Time: Mar 12 01:24:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

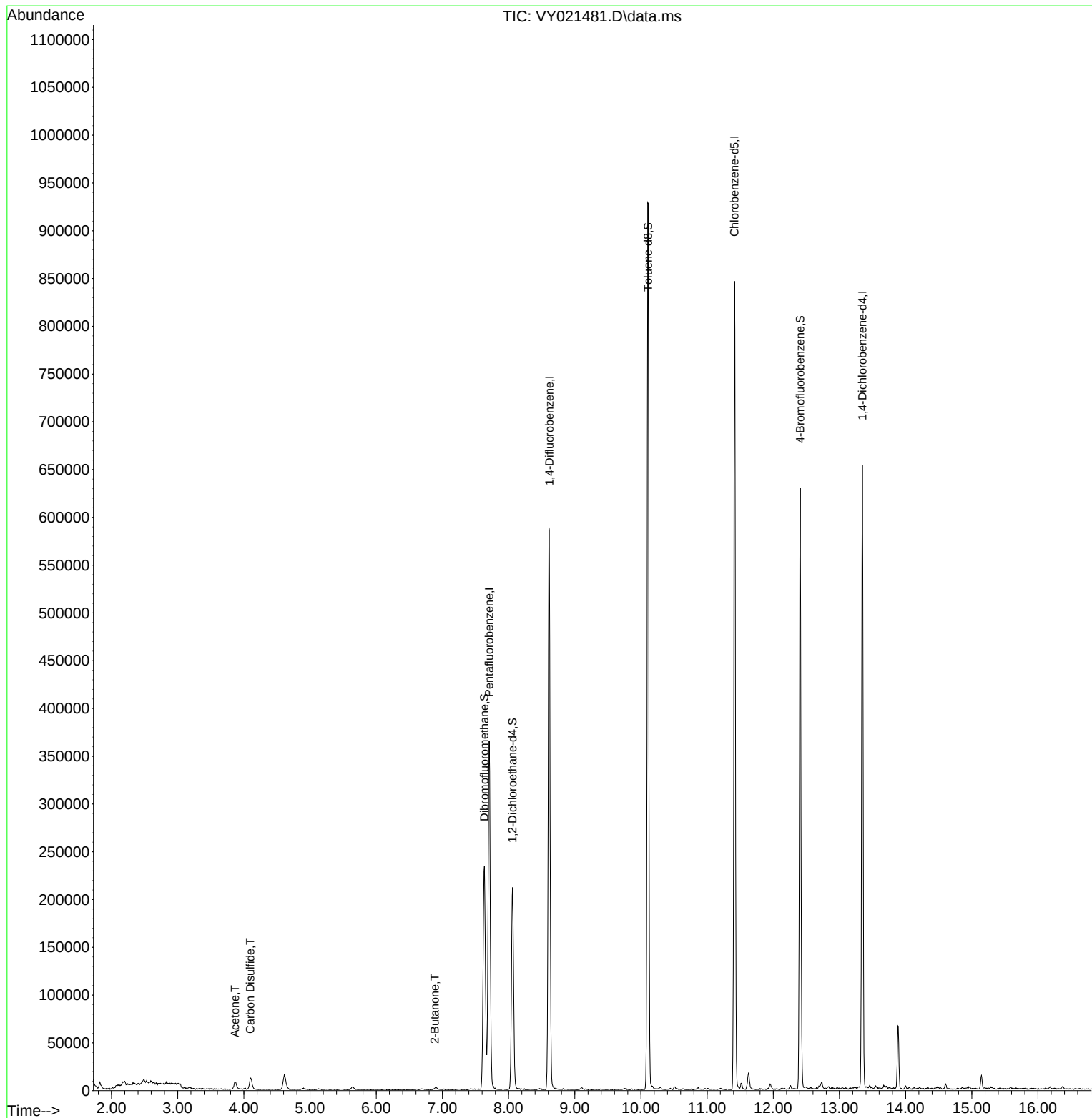
Internal Standards						
1) Pentafluorobenzene	7.707	168	269495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	487605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	426245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	159684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	170368	59.812	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.620%
35) Dibromofluoromethane	7.634	113	165963	51.781	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.560%
50) Toluene-d8	10.109	98	591303	48.725	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.440%
62) 4-Bromofluorobenzene	12.407	95	175823	42.593	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.180%
Target Compounds						
16) Acetone	3.866	43	14141	22.762	ug/l	99
17) Carbon Disulfide	4.098	76	23452	2.703	ug/l #	94
25) 2-Butanone	6.884	43	3893	4.530	ug/l #	87

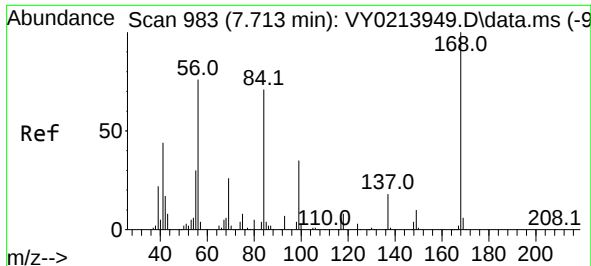
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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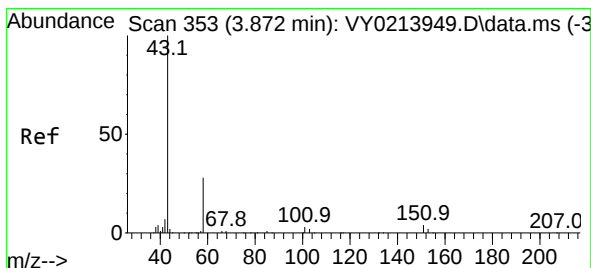
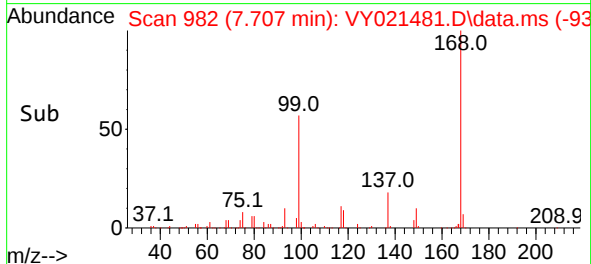
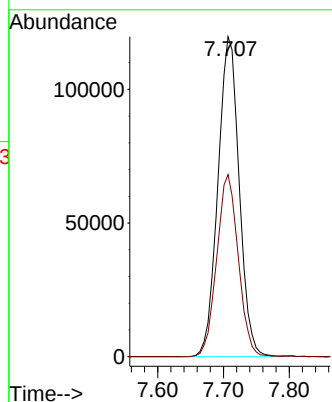
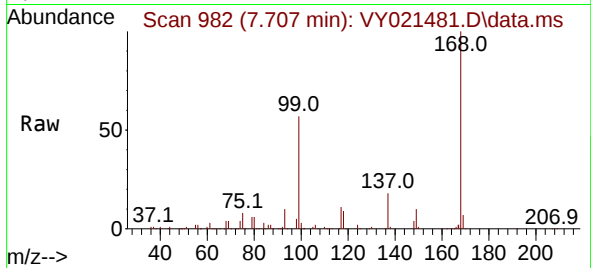




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

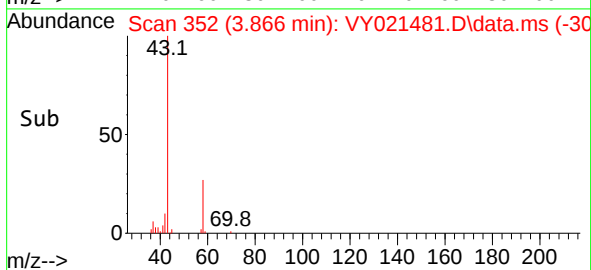
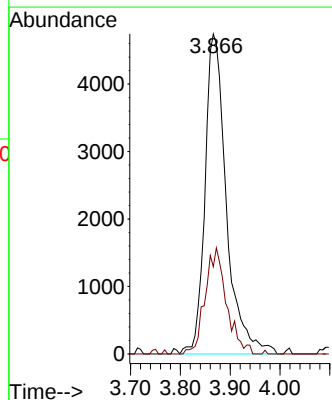
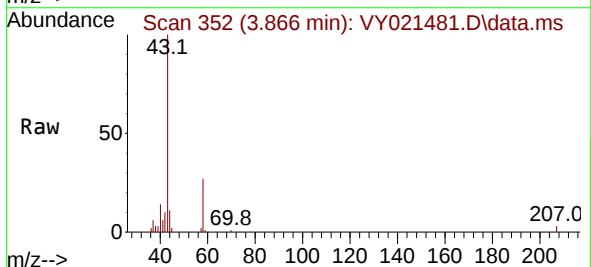
Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

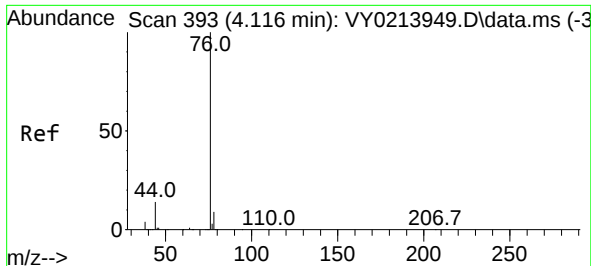
Tgt Ion:168 Resp: 269495
Ion Ratio Lower Upper
168 100
99 56.9 46.0 69.0



#16
Acetone
Concen: 22.762 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Tgt Ion: 43 Resp: 14141
Ion Ratio Lower Upper
43 100
58 27.3 22.1 33.1

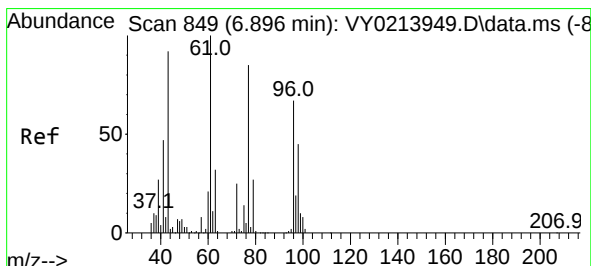
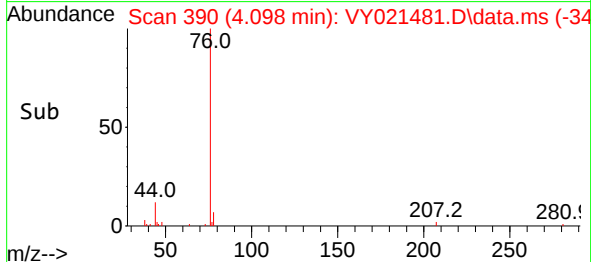
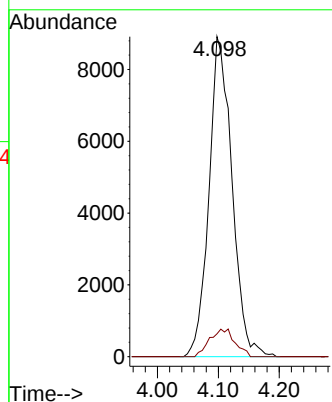
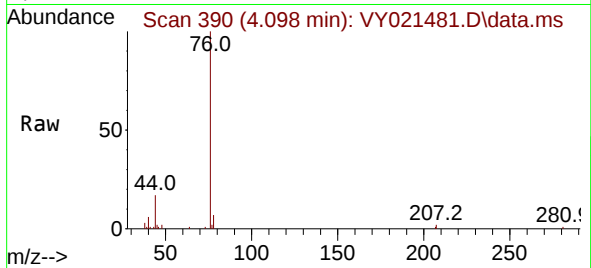




#17
Carbon Disulfide
Concen: 2.703 ug/l
RT: 4.098 min Scan# 390
Delta R.T. -0.018 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

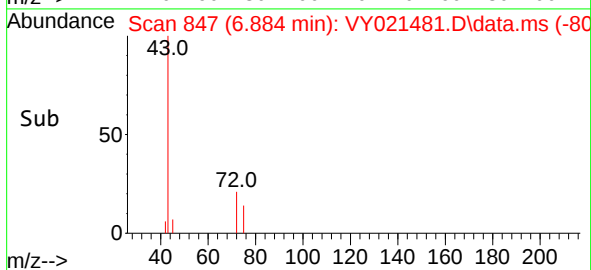
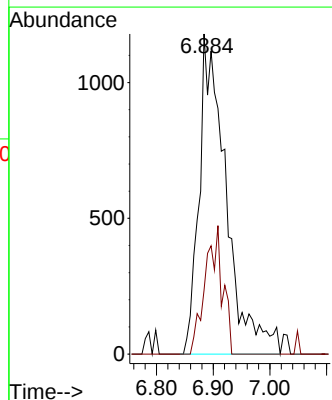
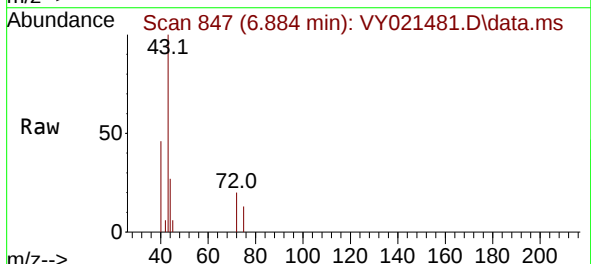
Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

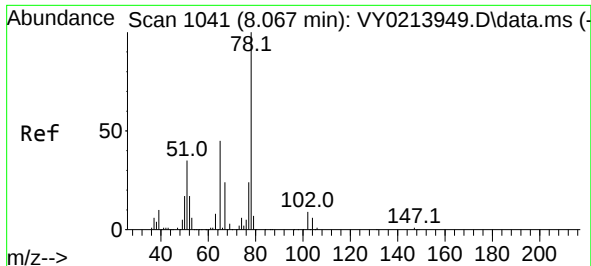
Tgt Ion: 76 Resp: 23452
Ion Ratio Lower Upper
76 100
78 7.2 7.4 11.0#



#25
2-Butanone
Concen: 4.530 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Tgt Ion: 43 Resp: 3893
Ion Ratio Lower Upper
43 100
72 19.9 21.4 32.0#





#33

1,2-Dichloroethane-d4

Concen: 59.812 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021481.D

Acq: 11 Mar 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

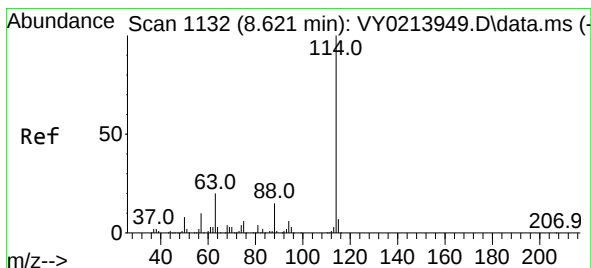
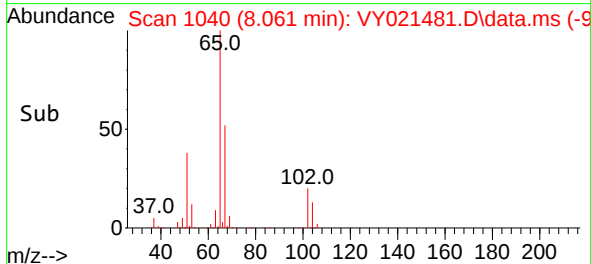
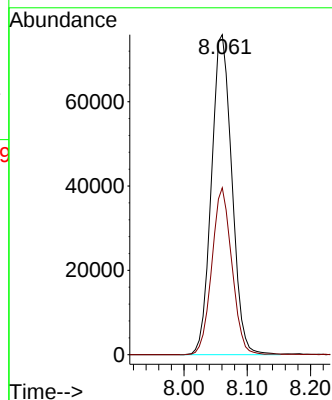
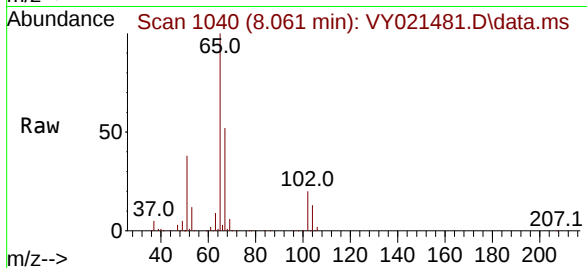
ENV-105-SB02

Tgt Ion: 65 Resp: 170368

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021481.D

Acq: 11 Mar 2025 13:11

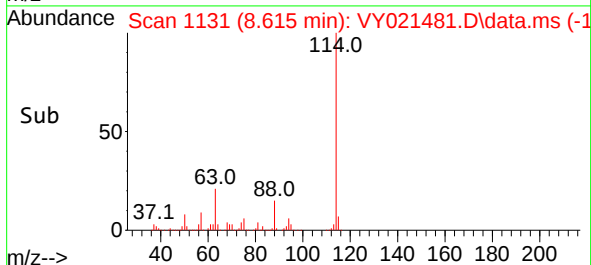
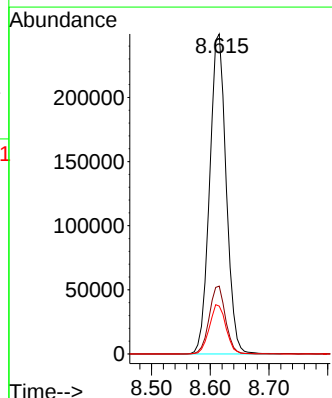
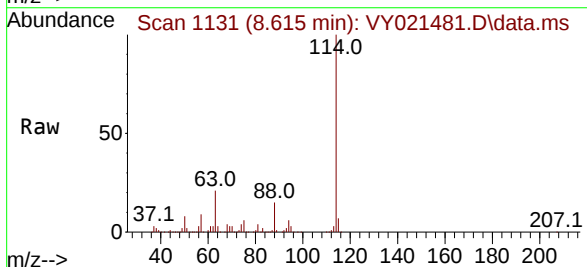
Tgt Ion: 114 Resp: 487605

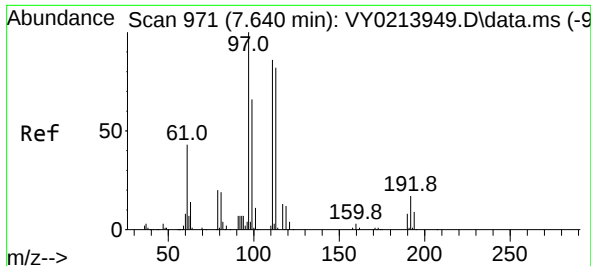
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

88 15.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 51.781 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021481.D

Acq: 11 Mar 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

ENV-105-SB02

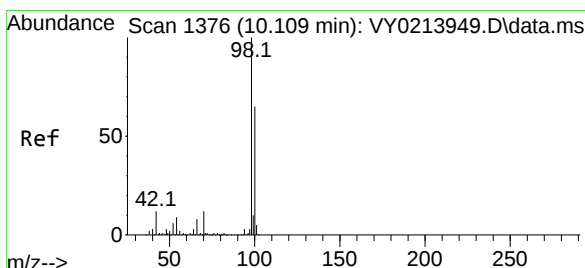
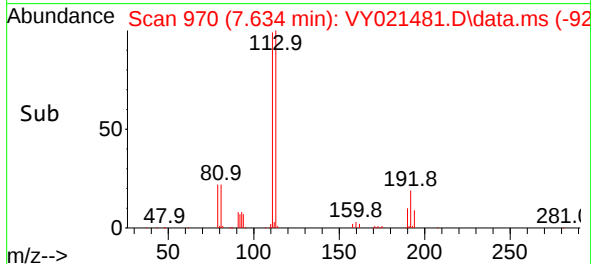
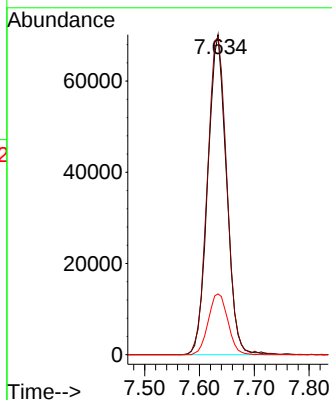
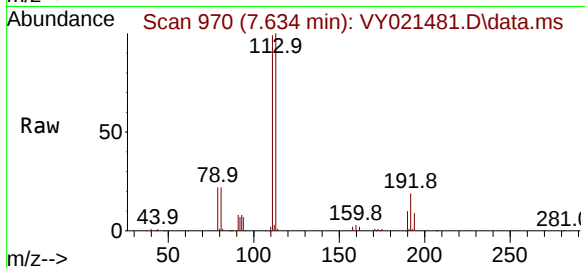
Tgt Ion:113 Resp: 165963

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

192 19.8 15.9 23.9



#50

Toluene-d8

Concen: 48.725 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021481.D

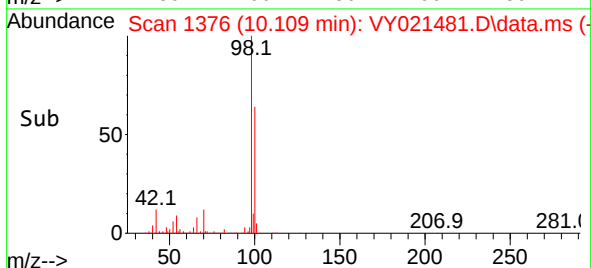
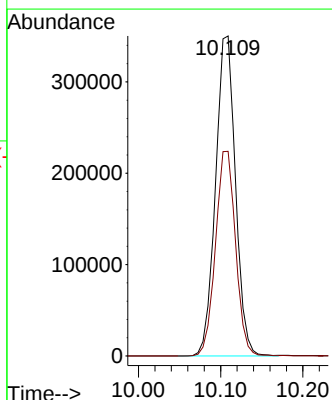
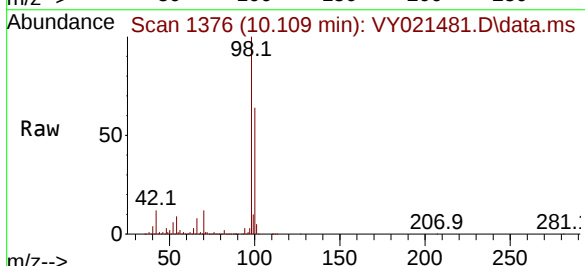
Acq: 11 Mar 2025 13:11

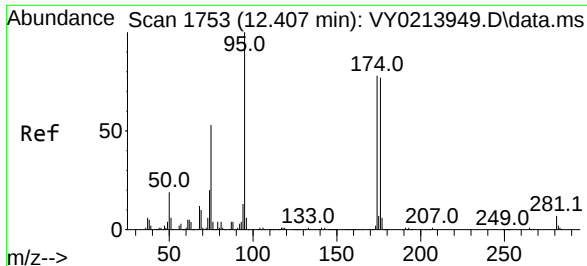
Tgt Ion: 98 Resp: 591303

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 42.593 ug/l

RT: 12.407 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021481.D

Acq: 11 Mar 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

ENV-105-SB02

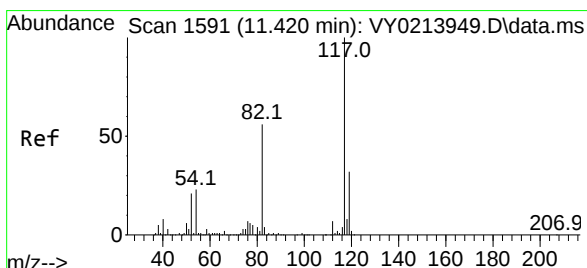
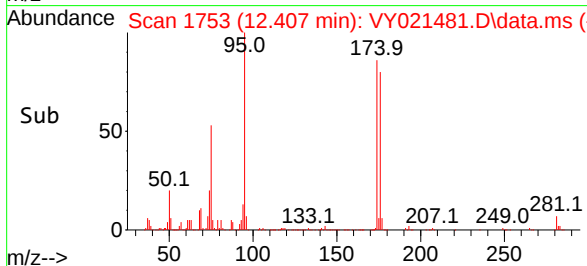
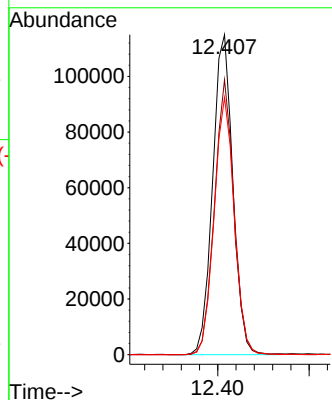
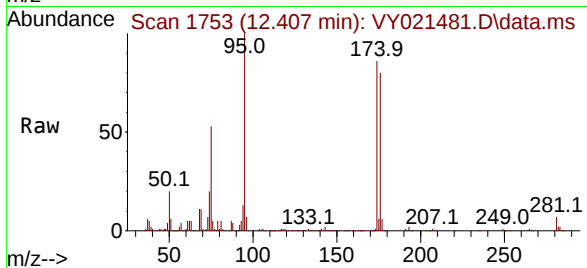
Tgt Ion: 95 Resp: 175823

Ion Ratio Lower Upper

95 100

174 83.5 0.0 165.0

176 80.0 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021481.D

Acq: 11 Mar 2025 13:11

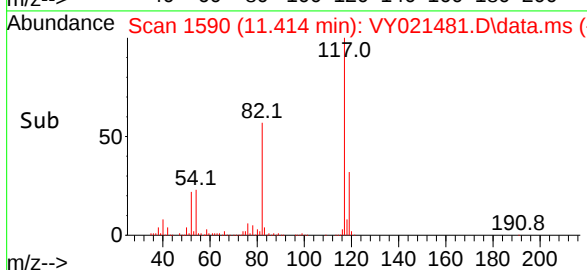
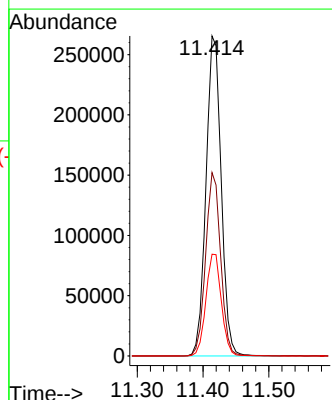
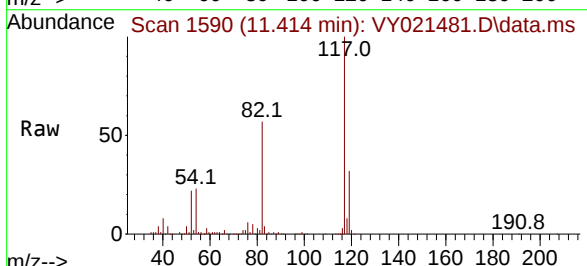
Tgt Ion: 117 Resp: 426245

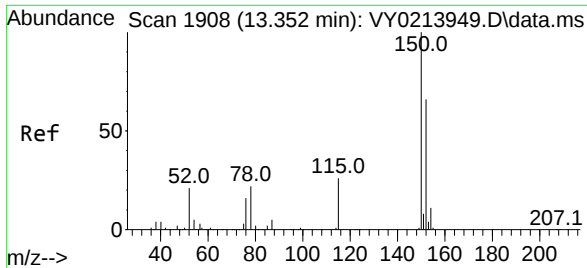
Ion Ratio Lower Upper

117 100

82 57.3 44.6 67.0

119 31.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021481.D

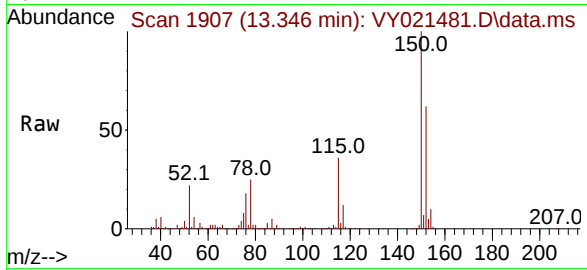
Acq: 11 Mar 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

ENV-105-SB02



Tgt Ion:152 Resp: 159684

Ion Ratio Lower Upper

152 100

115 57.4 29.0 87.0

150 156.1 0.0 347.2

