

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111623\
 Data File : VY016401.D
 Acq On : 16 Nov 2023 19:35
 Operator : SY/MD
 Sample : 05449-05
 Misc : 2.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-SED-02-G

Quant Time: Nov 17 05:20:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

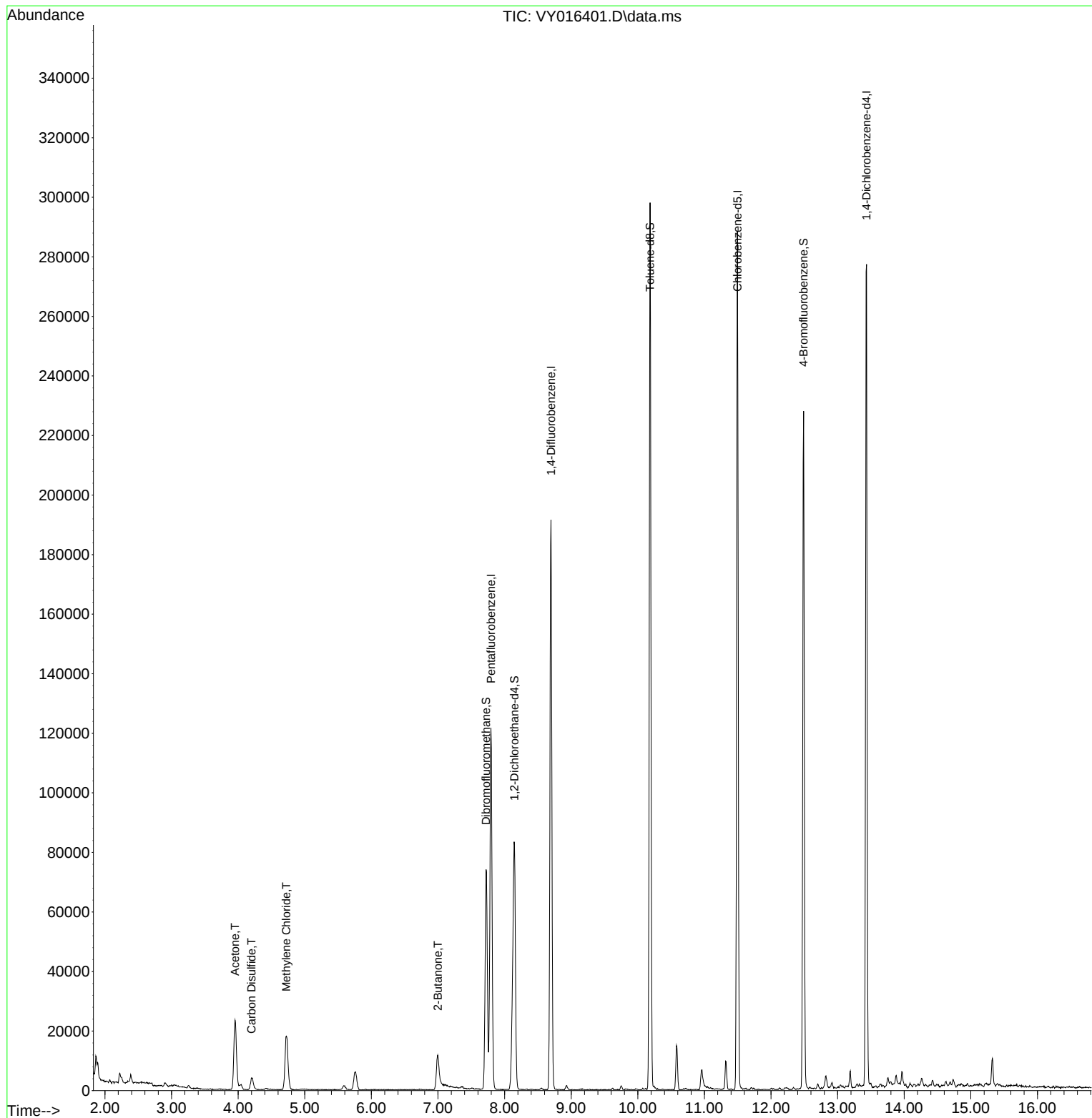
Internal Standards						
1) Pentafluorobenzene	7.795	168	95503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	168401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	161378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	73911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	57692	66.095	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.200%
35) Dibromofluoromethane	7.722	113	52776	55.169	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.340%
50) Toluene-d8	10.185	98	197788	50.985	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.980%
62) 4-Bromofluorobenzene	12.489	95	68413	54.299	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.600%
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	42046	291.214	ug/l #	87
17) Carbon Disulfide	4.198	76	6158	2.115	ug/l	98
20) Methylene Chloride	4.722	84	14821	11.877	ug/l #	81
25) 2-Butanone	6.996	43	19395	76.693	ug/l	97

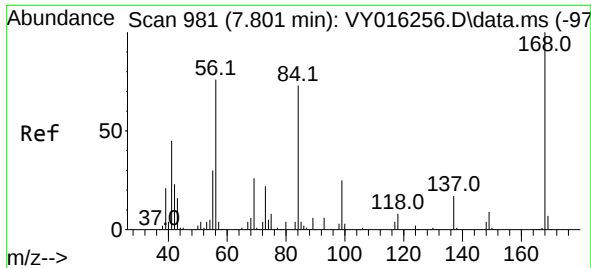
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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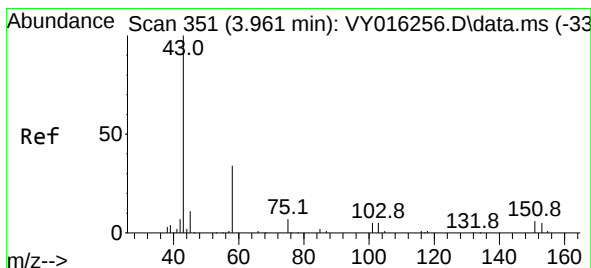
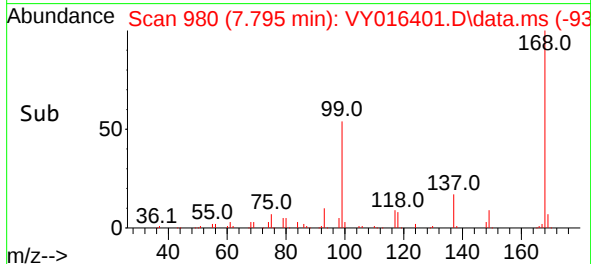
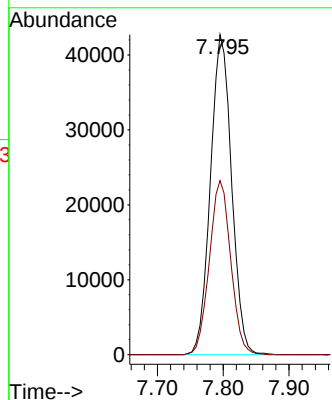
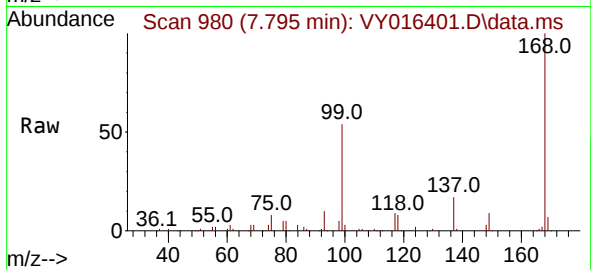




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016401.D
Acq: 16 Nov 2023 19:35

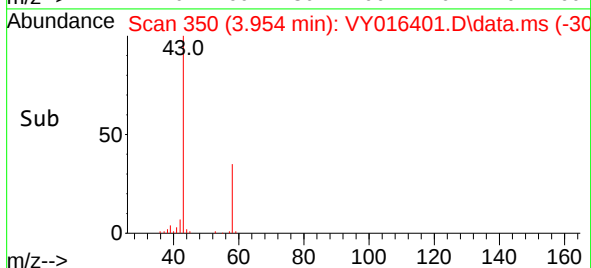
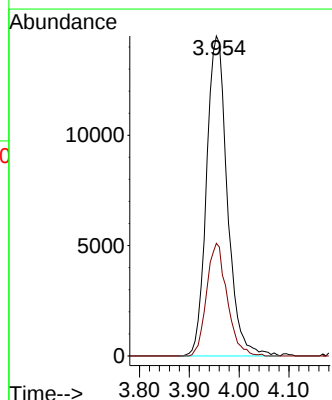
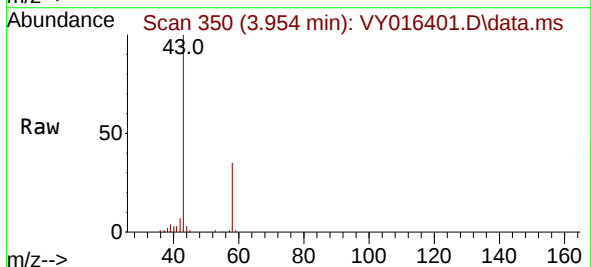
Instrument :
MSVOA_Y
ClientSampleId :
WC-SED-02-G

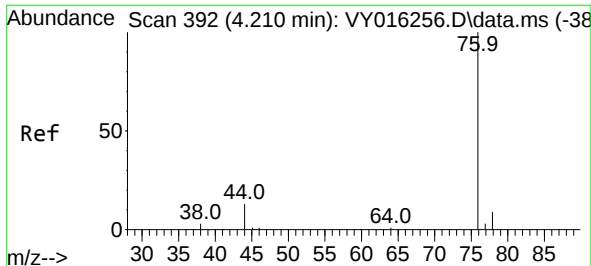
Tgt Ion:168 Resp: 95503
Ion Ratio Lower Upper
168 100
99 54.4 43.4 65.0



#16
Acetone
Concen: 291.214 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY016401.D
Acq: 16 Nov 2023 19:35

Tgt Ion: 43 Resp: 42046
Ion Ratio Lower Upper
43 100
58 35.2 22.7 34.1#





#17

Carbon Disulfide

Concen: 2.115 ug/l

RT: 4.198 min Scan# 390

Delta R.T. -0.012 min

Lab File: VY016401.D

Acq: 16 Nov 2023 19:35

Instrument :

MSVOA_Y

ClientSampleId :

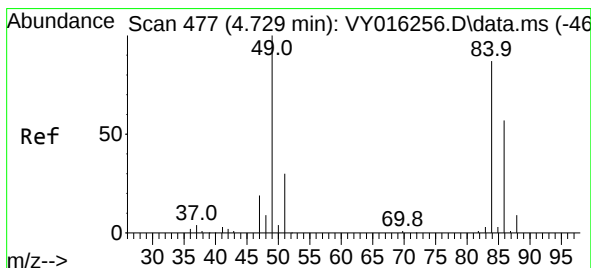
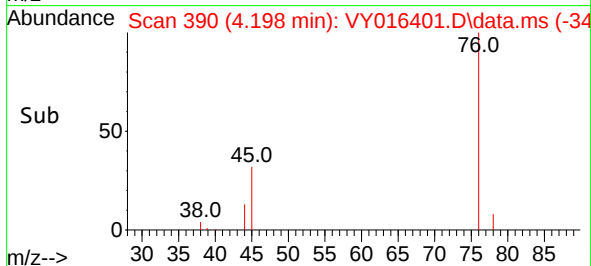
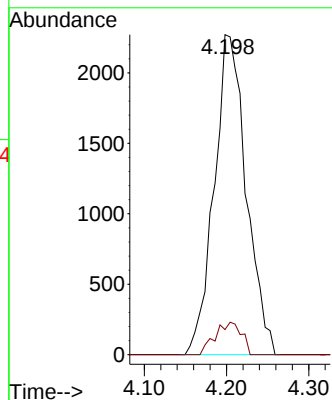
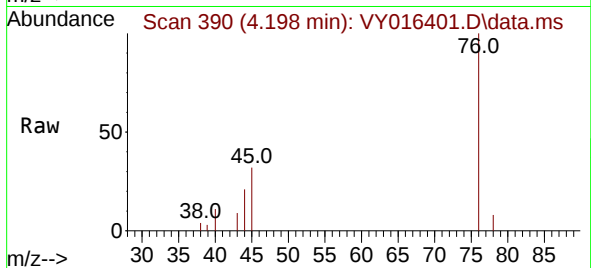
WC-SED-02-G

Tgt Ion: 76 Resp: 6158

Ion Ratio Lower Upper

76 100

78 7.8 7.0 10.4



#20

Methylene Chloride

Concen: 11.877 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.007 min

Lab File: VY016401.D

Acq: 16 Nov 2023 19:35

Tgt Ion: 84 Resp: 14821

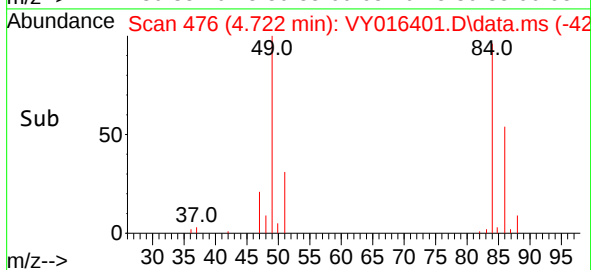
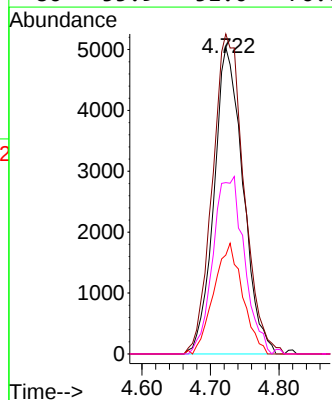
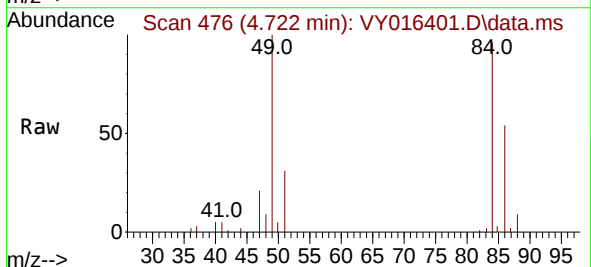
Ion Ratio Lower Upper

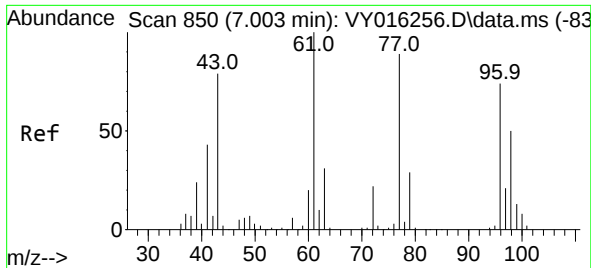
84 100

49 104.4 106.9 160.3#

51 32.3 33.2 49.8#

86 55.9 51.0 76.6

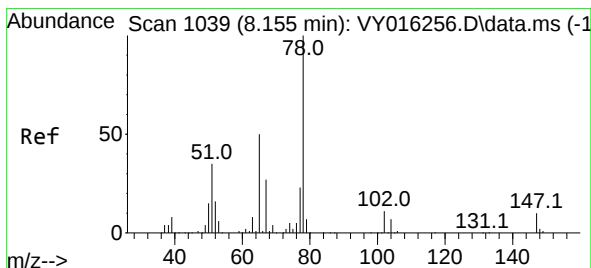
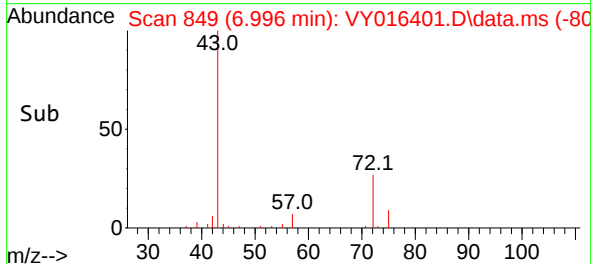
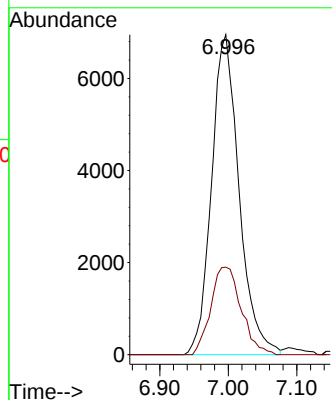
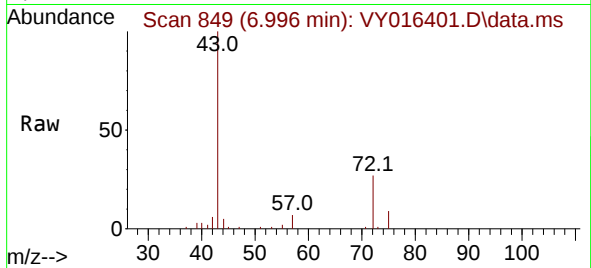




#25
2-Butanone
Concen: 76.693 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY016401.D
Acq: 16 Nov 2023 19:35

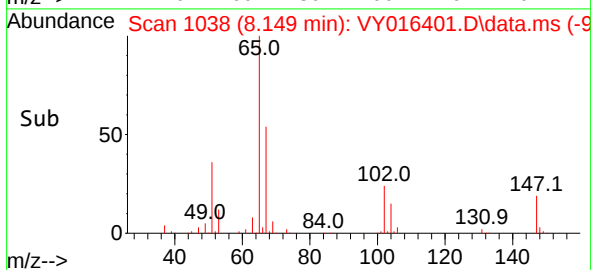
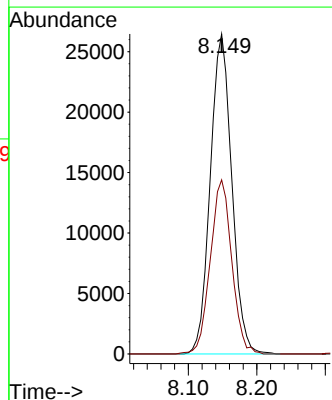
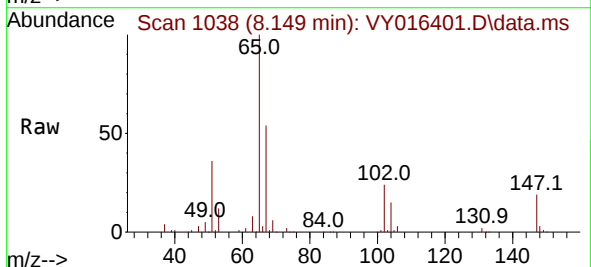
Instrument :
MSVOA_Y
ClientSampleId :
WC-SED-02-G

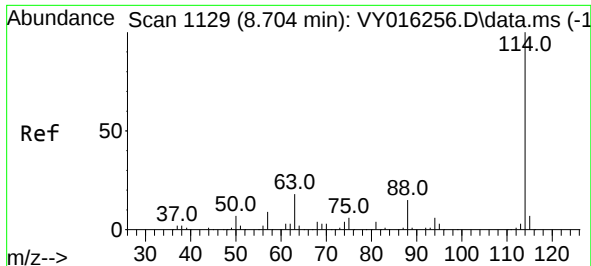
Tgt Ion: 43 Resp: 19395
Ion Ratio Lower Upper
43 100
72 27.3 20.5 30.7



#33
1,2-Dichloroethane-d4
Concen: 66.095 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY016401.D
Acq: 16 Nov 2023 19:35

Tgt Ion: 65 Resp: 57692
Ion Ratio Lower Upper
65 100
67 54.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016401.D

Acq: 16 Nov 2023 19:35

Instrument :

MSVOA_Y

ClientSampleId :

WC-SED-02-G

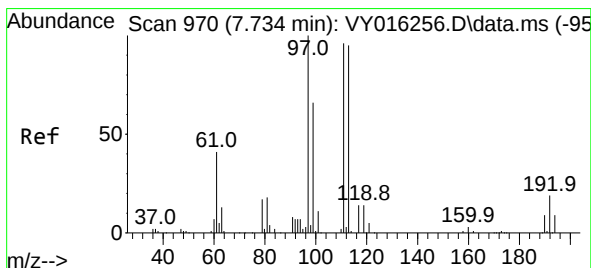
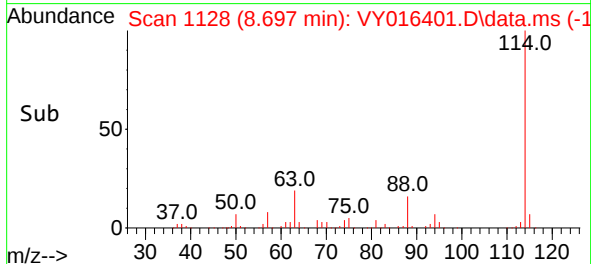
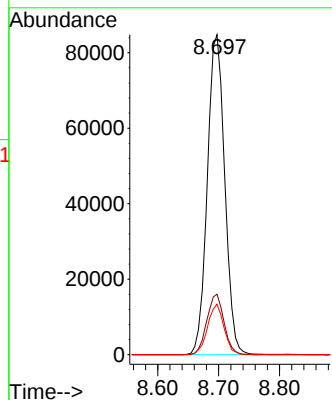
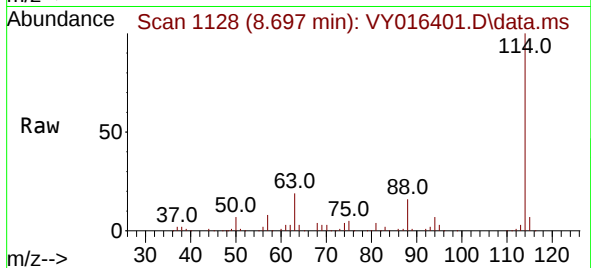
Tgt Ion:114 Resp: 168401

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.169 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.012 min

Lab File: VY016401.D

Acq: 16 Nov 2023 19:35

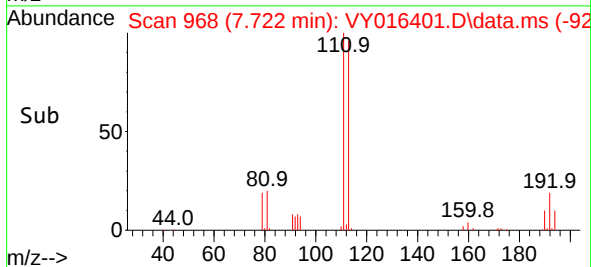
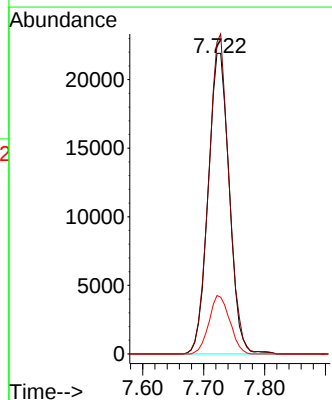
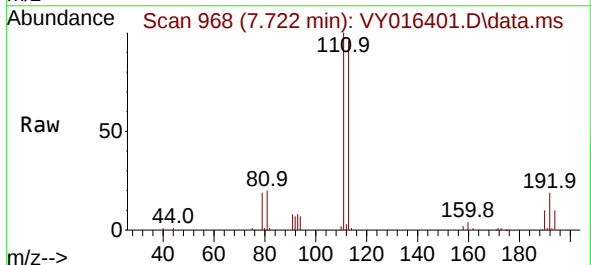
Tgt Ion:113 Resp: 52776

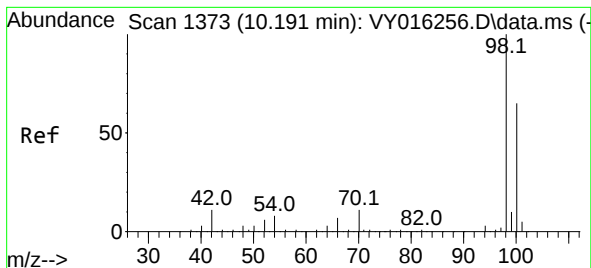
Ion Ratio Lower Upper

113 100

111 102.8 81.3 121.9

192 19.1 16.9 25.3





#50

Toluene-d8

Concen: 50.985 ug/l

RT: 10.185 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016401.D

Acq: 16 Nov 2023 19:35

Instrument :

MSVOA_Y

ClientSampleId :

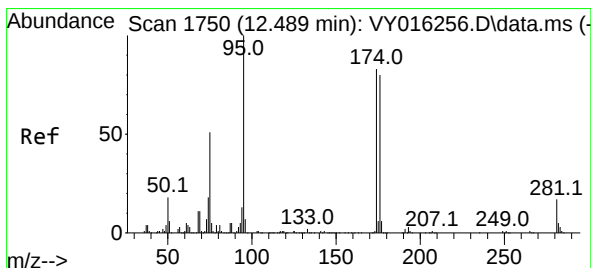
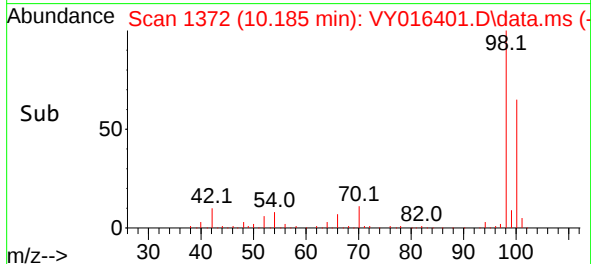
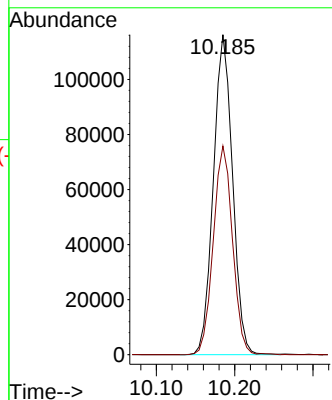
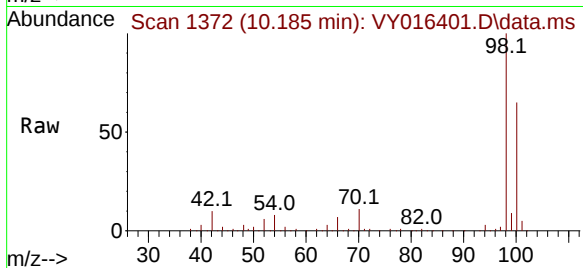
WC-SED-02-G

Tgt Ion: 98 Resp: 197788

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 54.299 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VY016401.D

Acq: 16 Nov 2023 19:35

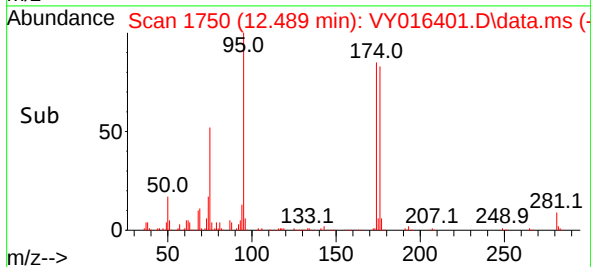
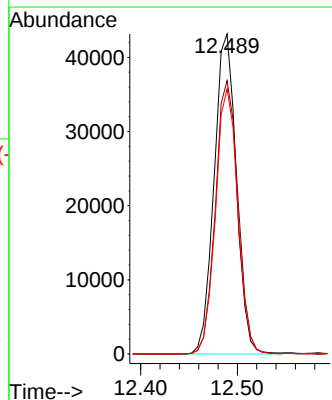
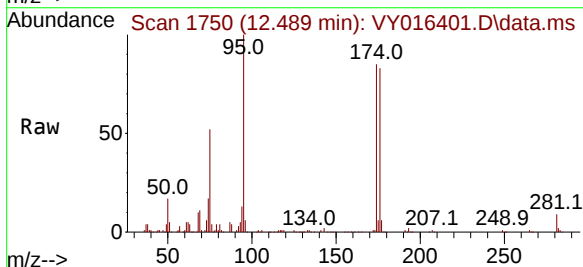
Tgt Ion: 95 Resp: 68413

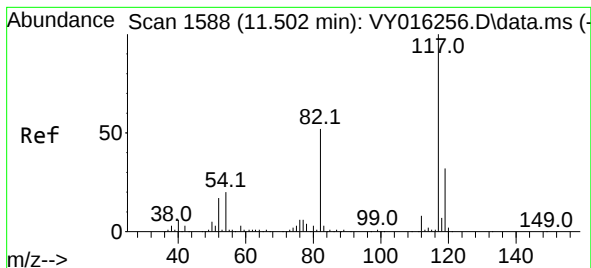
Ion Ratio Lower Upper

95 100

174 87.4 0.0 178.2

176 82.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016401.D

Acq: 16 Nov 2023 19:35

Instrument :

MSVOA_Y

ClientSampleId :

WC-SED-02-G

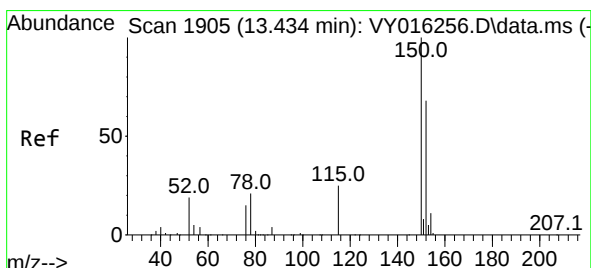
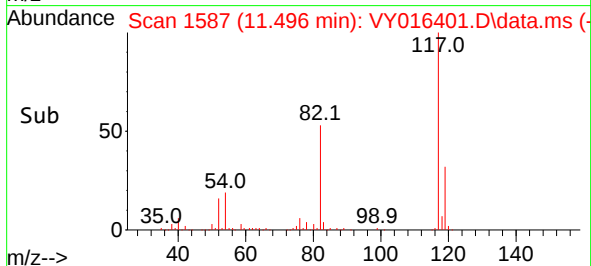
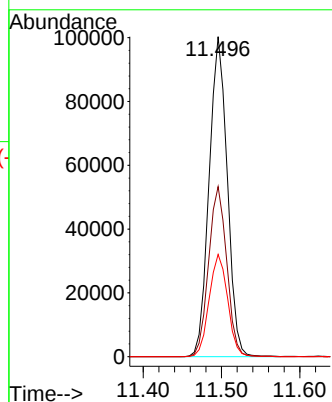
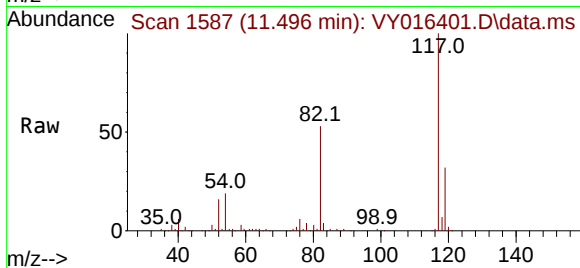
Tgt Ion:117 Resp: 161378

Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.0

119 31.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016401.D

Acq: 16 Nov 2023 19:35

Tgt Ion:152 Resp: 73911

Ion Ratio Lower Upper

152 100

115 58.8 28.8 86.5

150 158.7 0.0 348.8

