

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013783.D
 Acq On : 17 May 2023 18:00
 Operator : KP/MD
 Sample : 02812-05
 Misc : 5.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WG-0516-B3-0-2

Quant Time: May 18 07:17:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

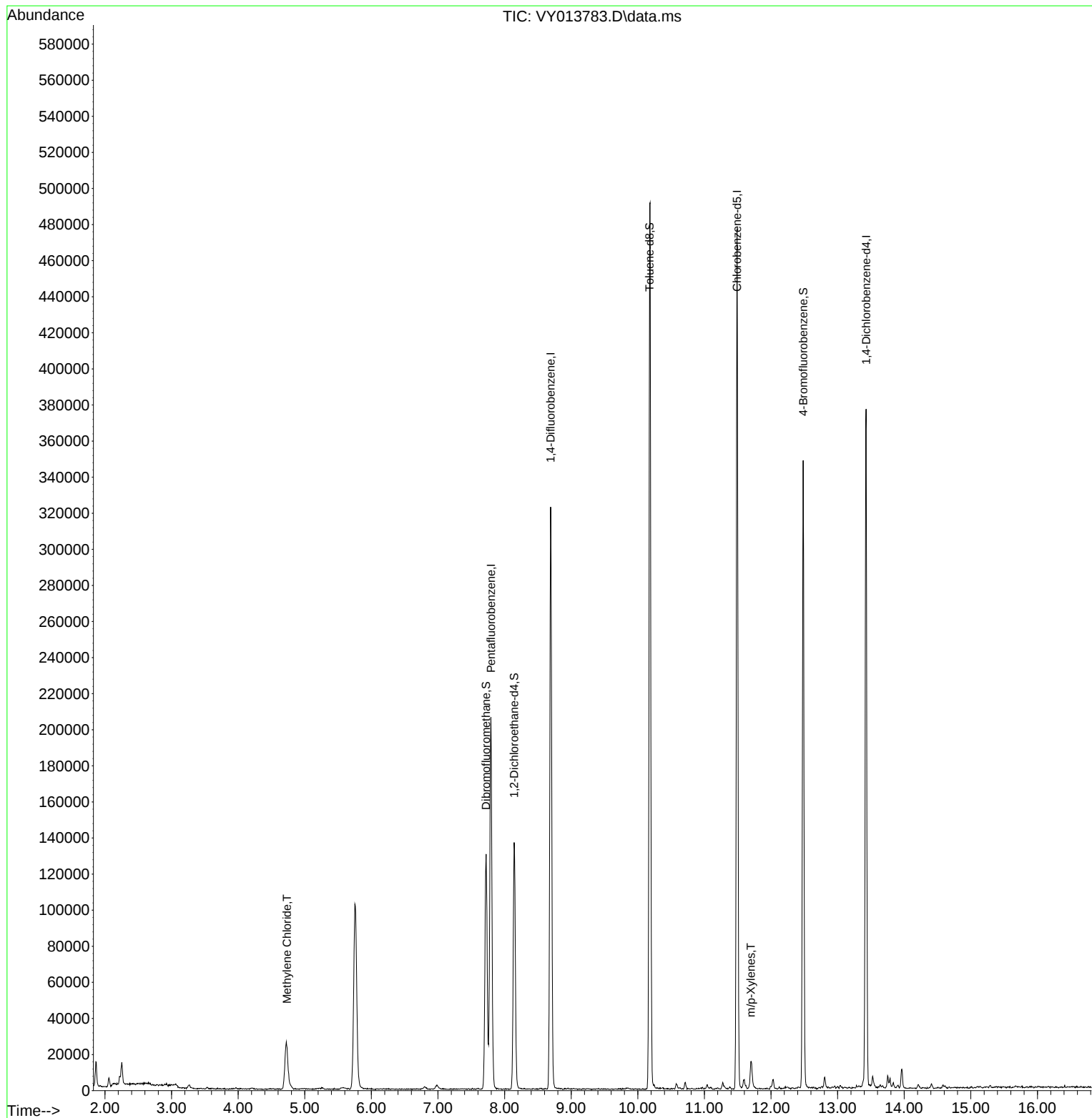
Internal Standards						
1) Pentafluorobenzene	7.795	168	155413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	263411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	242222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	106812	59.163	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.320%	
35) Dibromofluoromethane	7.722	113	90189	53.393	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.780%	
50) Toluene-d8	10.179	98	323045	50.446	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.900%	
62) 4-Bromofluorobenzene	12.483	95	96160	45.208	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.420%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.735	84	18397	5.775	ug/l #	82
68) m/p-Xylenes	11.697	106	4320	1.416	ug/l	87

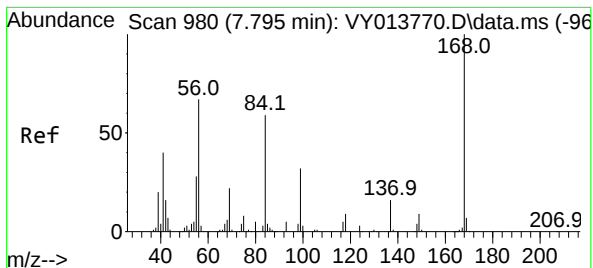
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.795 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY013783.D

Acq: 17 May 2023 18:00

Instrument :

MSVOA_Y

ClientSampleId :

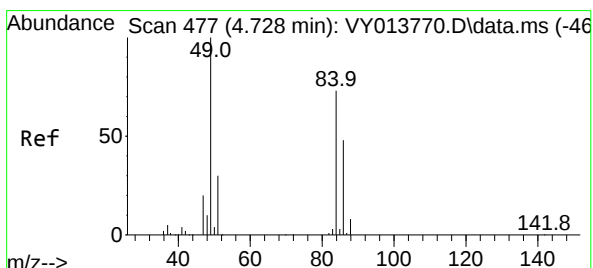
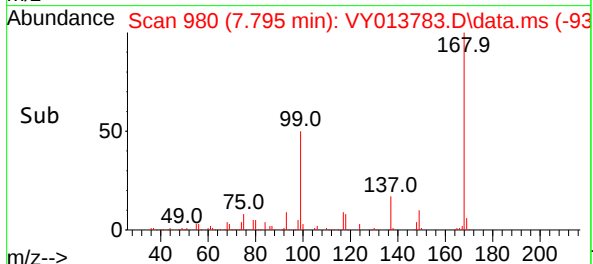
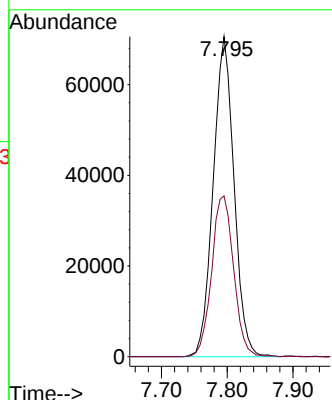
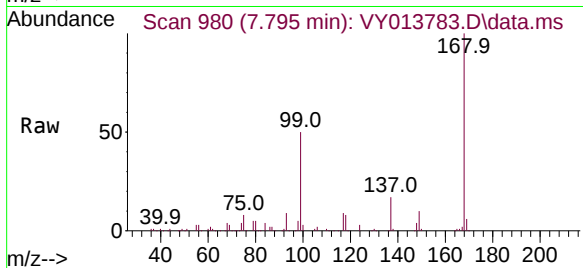
WG-0516-B3-0-2

Tgt Ion:168 Resp: 155413

Ion Ratio Lower Upper

168 100

99 50.3 44.0 66.0



#20

Methylene Chloride

Concen: 5.775 ug/l

RT: 4.735 min Scan# 478

Delta R.T. 0.007 min

Lab File: VY013783.D

Acq: 17 May 2023 18:00

Tgt Ion: 84 Resp: 18397

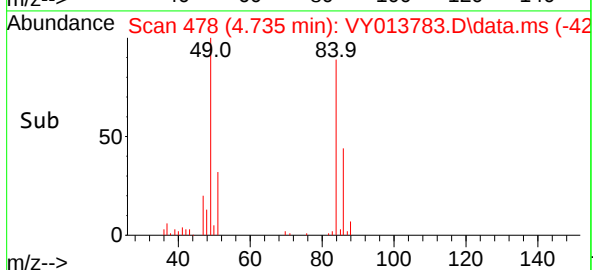
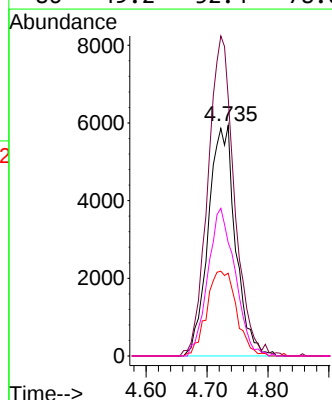
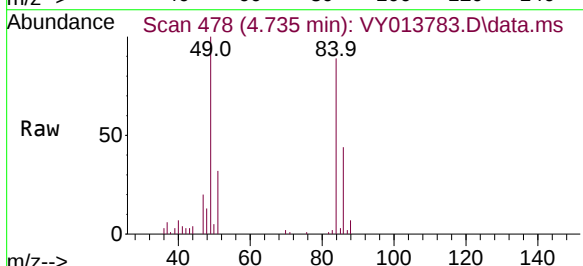
Ion Ratio Lower Upper

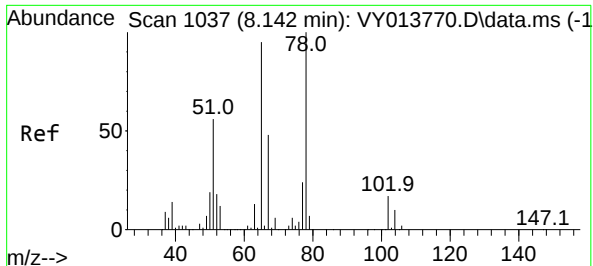
84 100

49 112.2 109.4 164.0

51 35.9 32.8 49.2

86 49.2 52.4 78.6#





#33

1,2-Dichloroethane-d4

Concen: 59.163 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY013783.D

Acq: 17 May 2023 18:00

Instrument :

MSVOA_Y

ClientSampleId :

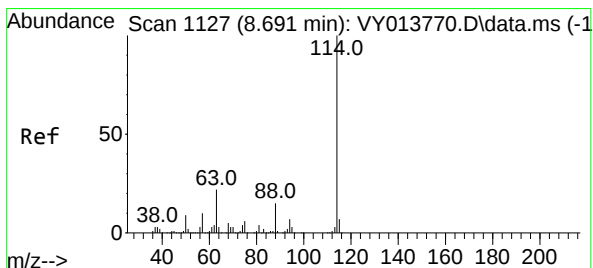
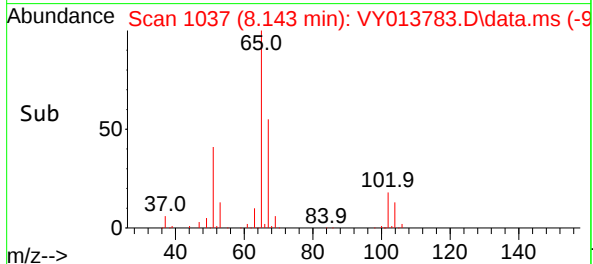
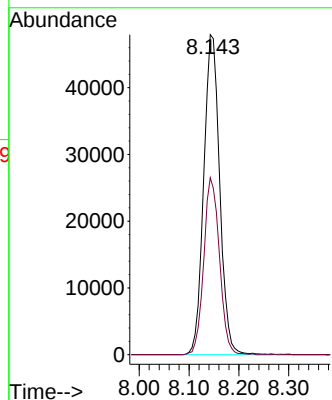
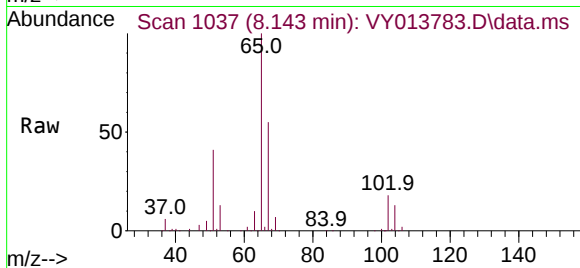
WG-0516-B3-0-2

Tgt Ion: 65 Resp: 106812

Ion Ratio Lower Upper

65 100

67 54.2 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013783.D

Acq: 17 May 2023 18:00

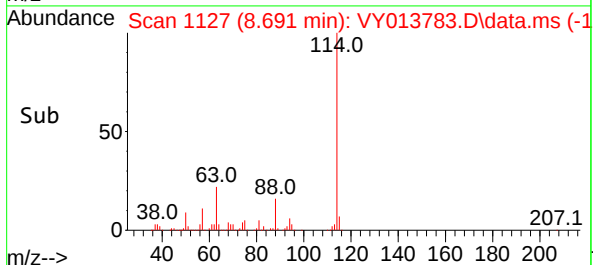
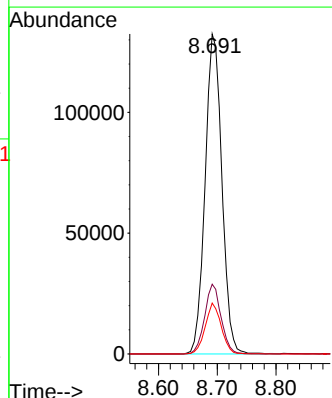
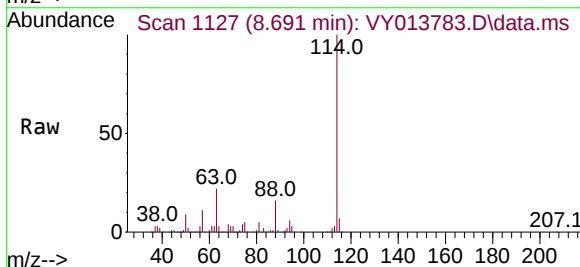
Tgt Ion: 114 Resp: 263411

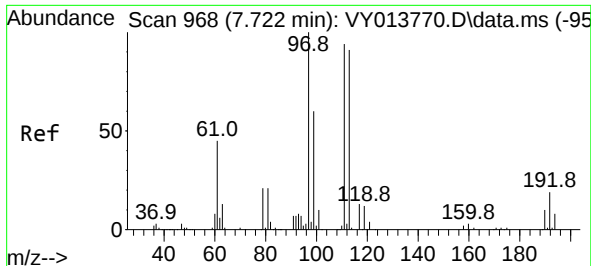
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.8

88 15.9 0.0 30.8





#35

Dibromofluoromethane

Concen: 53.393 ug/l

RT: 7.722 min Scan# 90

Delta R.T. 0.000 min

Lab File: VY013783.D

Acq: 17 May 2023 18:00

Instrument :

MSVOA_Y

ClientSampleId :

WG-0516-B3-0-2

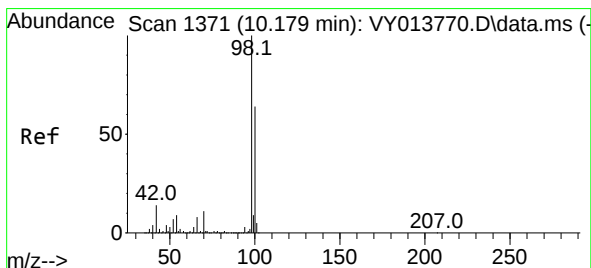
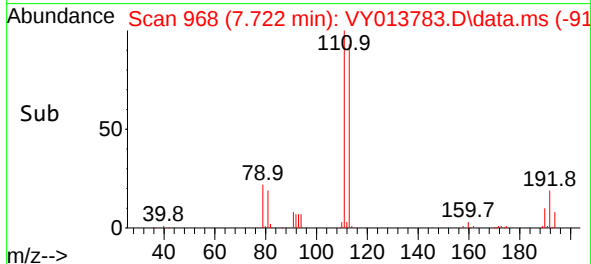
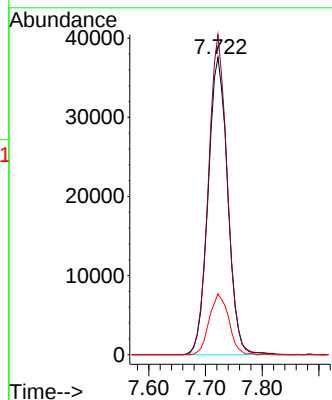
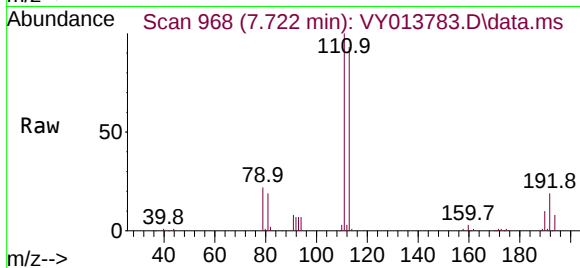
Tgt Ion:113 Resp: 90189

Ion Ratio Lower Upper

113 100

111 103.2 82.3 123.5

192 20.3 16.0 24.0



#50

Toluene-d8

Concen: 50.446 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY013783.D

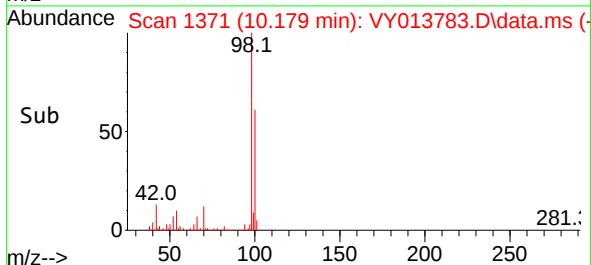
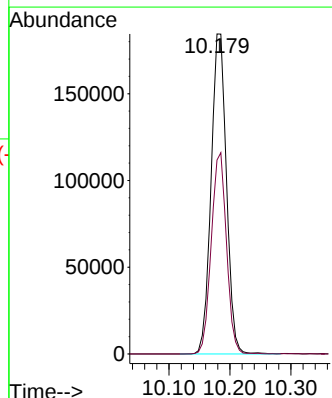
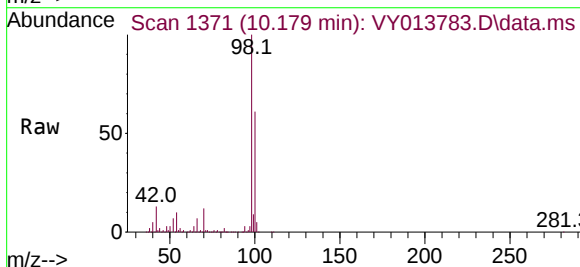
Acq: 17 May 2023 18:00

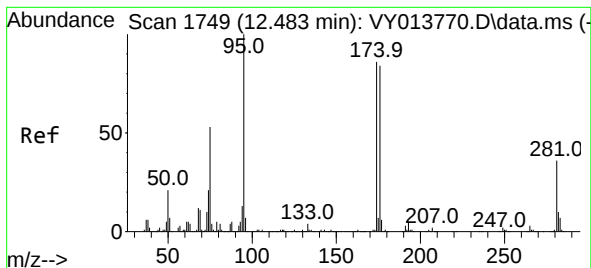
Tgt Ion: 98 Resp: 323045

Ion Ratio Lower Upper

98 100

100 62.3 51.0 76.6

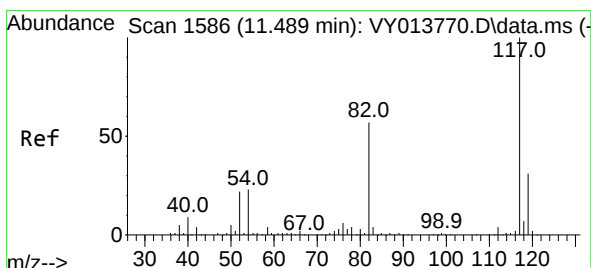
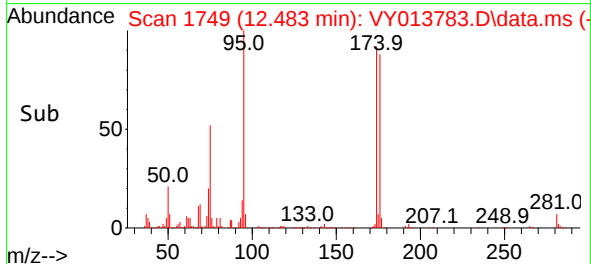
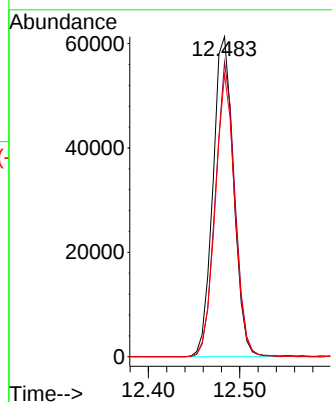
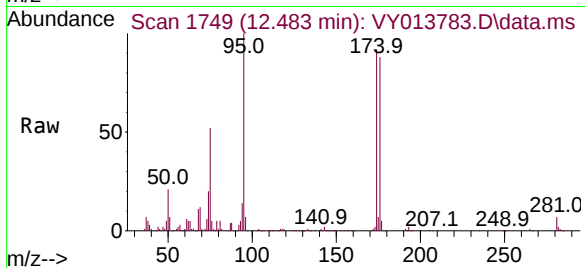




#62
4-Bromofluorobenzene
Concen: 45.208 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013783.D
Acq: 17 May 2023 18:00

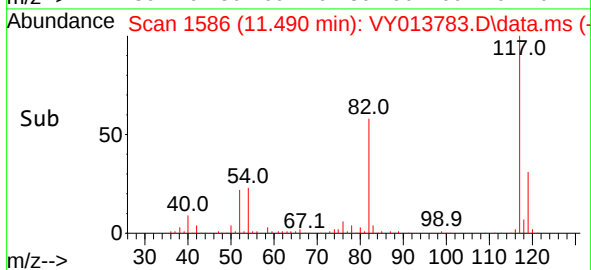
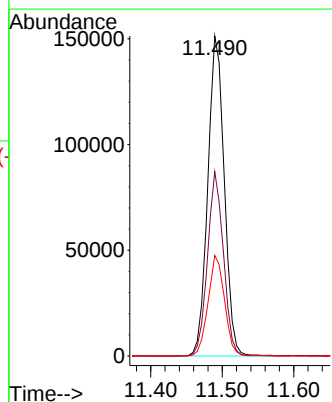
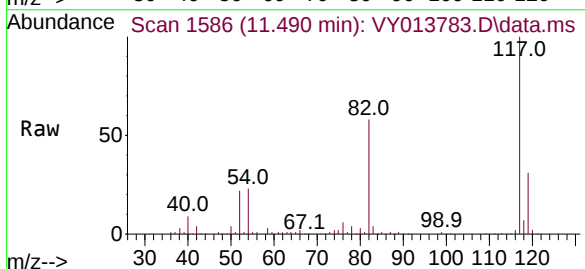
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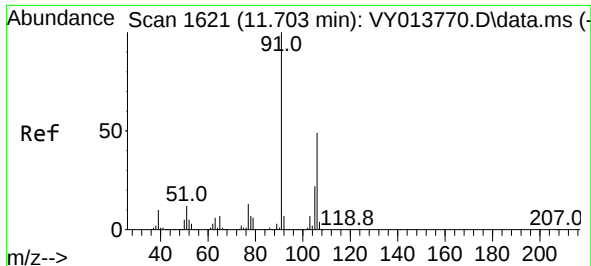
Tgt Ion: 95 Resp: 96160
Ion Ratio Lower Upper
95 100
174 87.6 0.0 168.8
176 84.2 0.0 165.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013783.D
Acq: 17 May 2023 18:00

Tgt Ion: 117 Resp: 242222
Ion Ratio Lower Upper
117 100
82 57.6 45.5 68.3
119 31.4 24.8 37.2

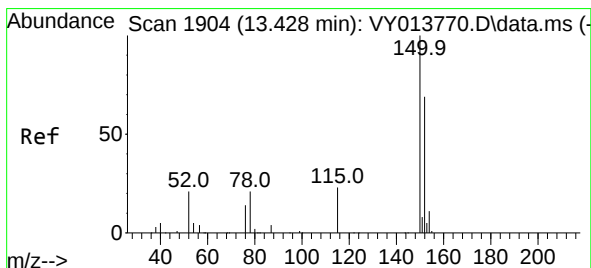
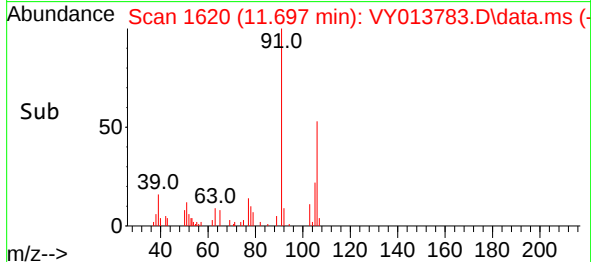
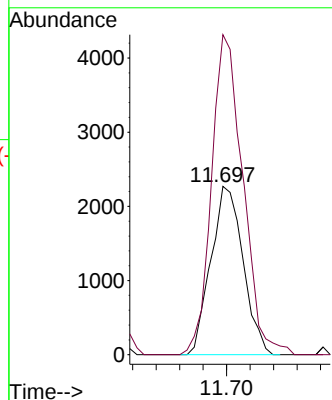
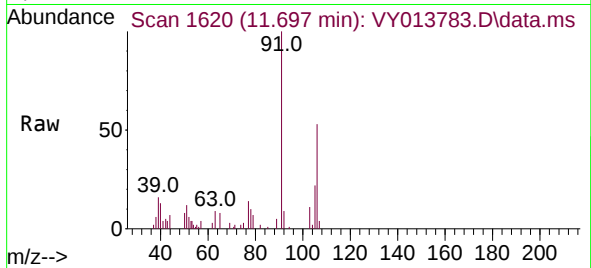




#68
m/p-Xylenes
Concen: 1.416 ug/l
RT: 11.697 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013783.D
Acq: 17 May 2023 18:00

Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B3-0-2

Tgt Ion:106 Resp: 4320
Ion Ratio Lower Upper
106 100
91 185.3 164.0 246.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY013783.D
Acq: 17 May 2023 18:00

Tgt Ion:152 Resp: 97114
Ion Ratio Lower Upper
152 100
115 55.9 28.5 85.5
150 156.4 0.0 347.0

