

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032723\
 Data File : VY013091.D
 Acq On : 27 Mar 2023 14:57
 Operator : KP/MD
 Sample : 02082-02
 Misc : 5.10g/5.1mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-224

Quant Time: Mar 28 01:43:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

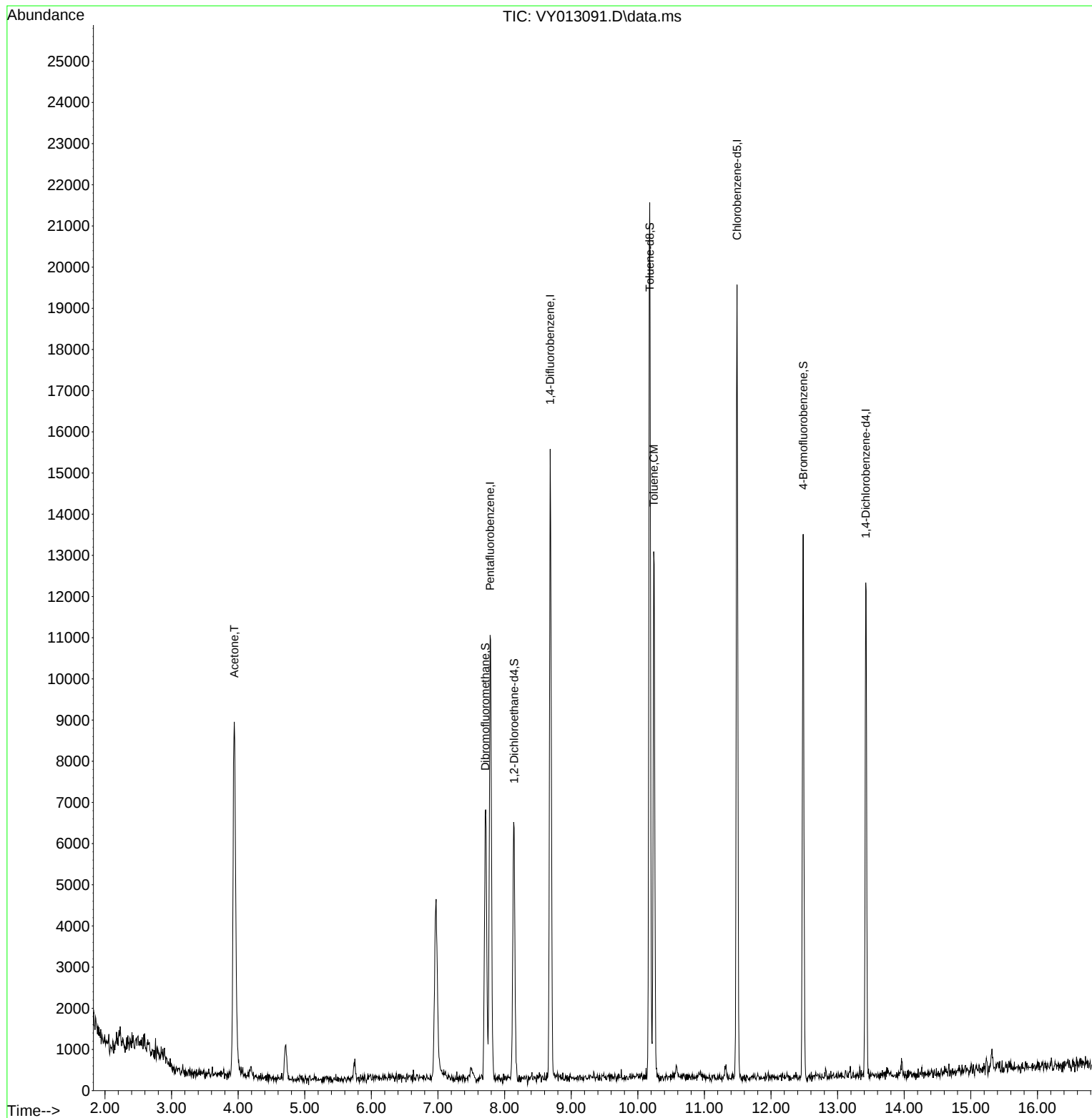
Internal Standards						
1) Pentafluorobenzene	7.783	168	8787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	12477	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	10471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	3657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	5085	58.285	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.580%
35) Dibromofluoromethane	7.710	113	4780	63.481	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	126.960%
50) Toluene-d8	10.179	98	14922	54.207	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.420%
62) 4-Bromofluorobenzene	12.483	95	3576	38.488	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.980%
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	16137	471.240	ug/l	99
52) Toluene	10.240	92	5363	24.914	ug/l	98

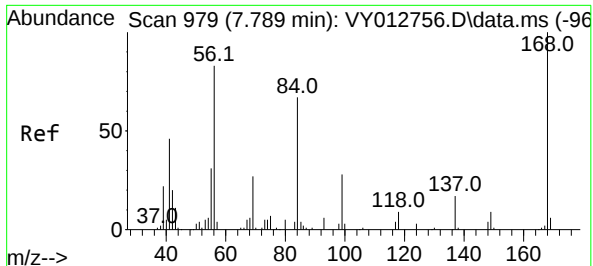
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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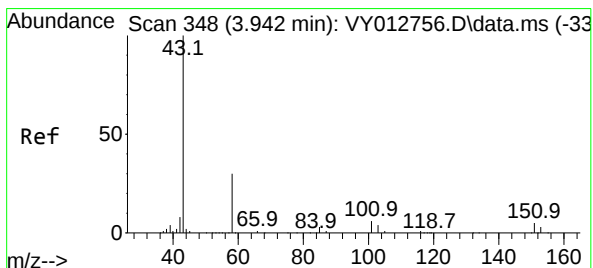
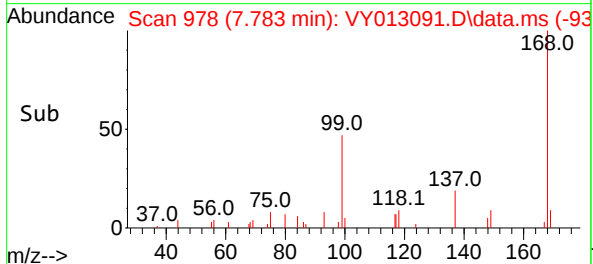
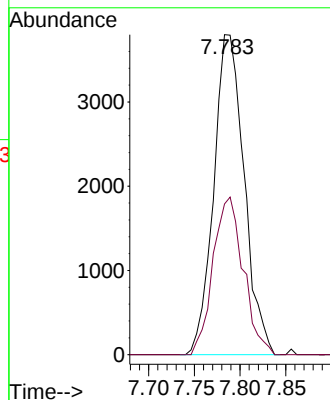
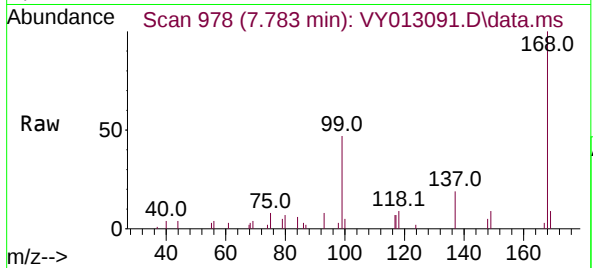




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013091.D
Acq: 27 Mar 2023 14:57

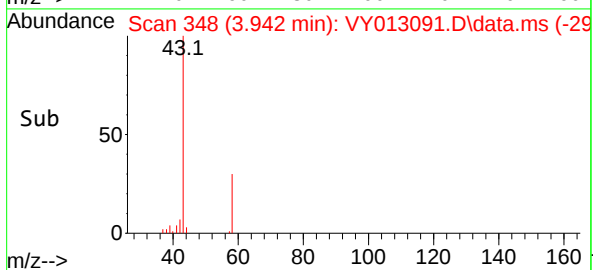
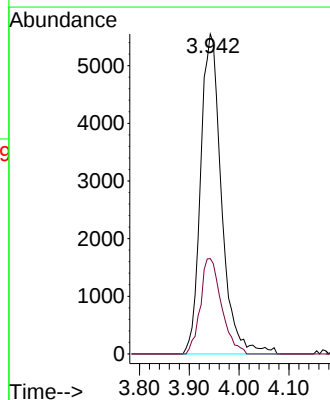
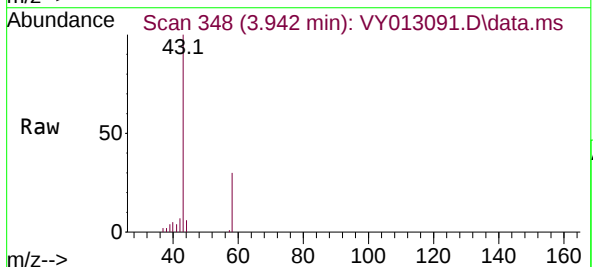
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-224

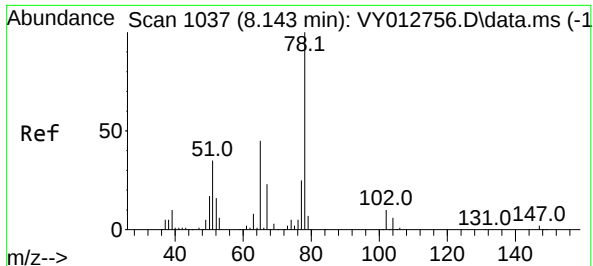
Tgt Ion:168 Resp: 8787
Ion Ratio Lower Upper
168 100
99 47.1 41.7 62.5



#16
Acetone
Concen: 471.240 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY013091.D
Acq: 27 Mar 2023 14:57

Tgt Ion: 43 Resp: 16137
Ion Ratio Lower Upper
43 100
58 29.8 24.2 36.2





#33

1,2-Dichloroethane-d4

Concen: 58.285 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY013091.D

Acq: 27 Mar 2023 14:57

Instrument :

MSVOA_Y

ClientSampleId :

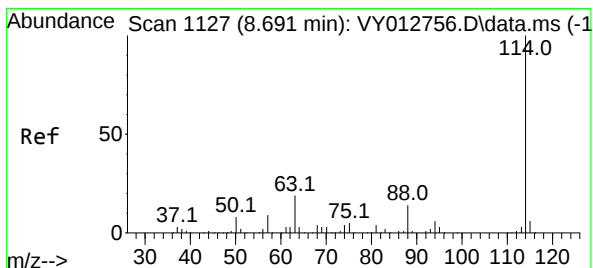
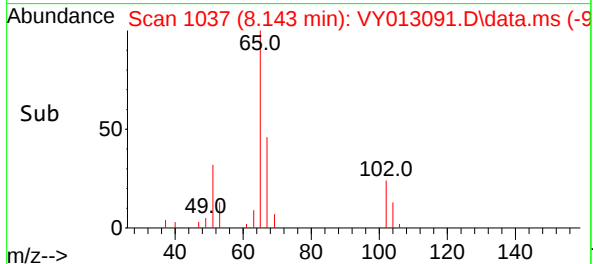
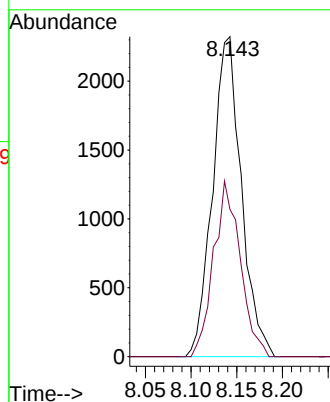
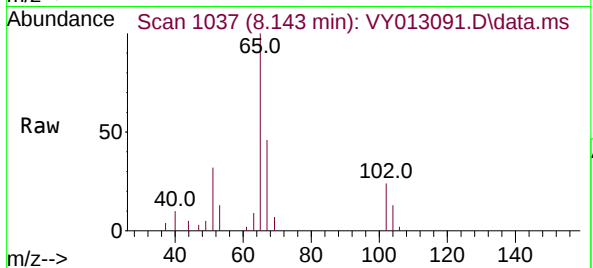
VNJ-224

Tgt Ion: 65 Resp: 5085

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013091.D

Acq: 27 Mar 2023 14:57

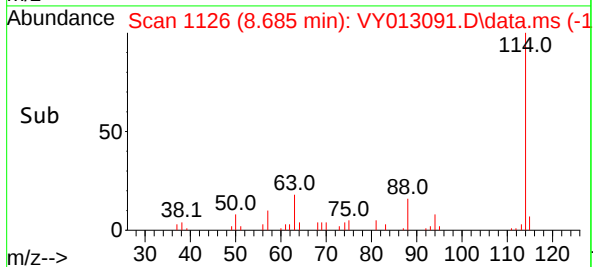
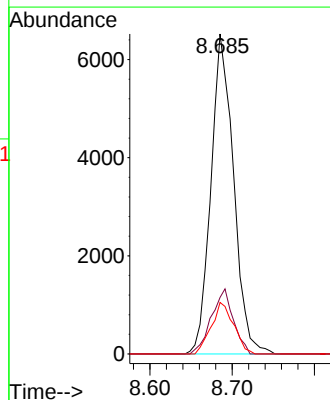
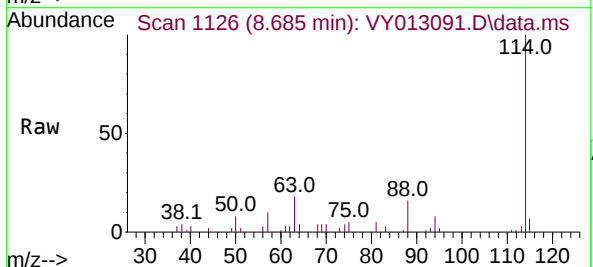
Tgt Ion: 114 Resp: 12477

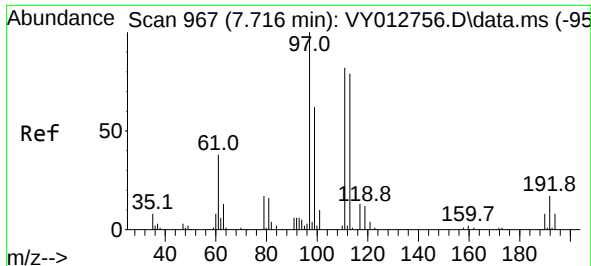
Ion Ratio Lower Upper

114 100

63 17.6 0.0 37.4

88 16.1 0.0 28.6





#35

Dibromofluoromethane

Concen: 63.481 ug/l

RT: 7.710 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY013091.D

Acq: 27 Mar 2023 14:57

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-224

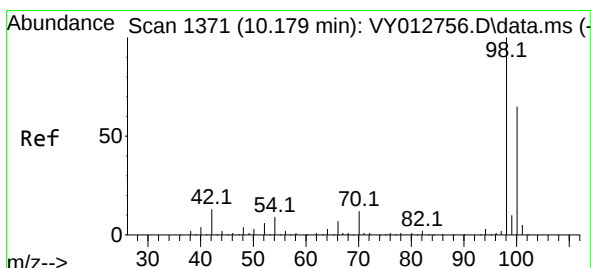
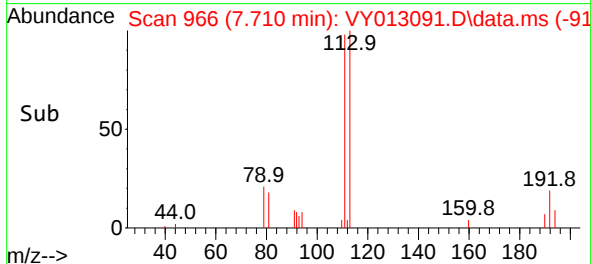
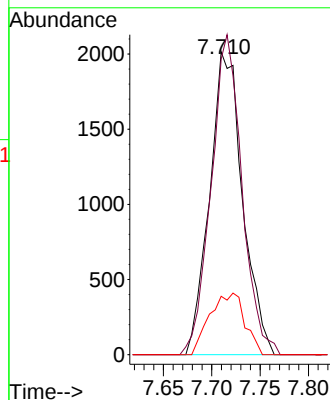
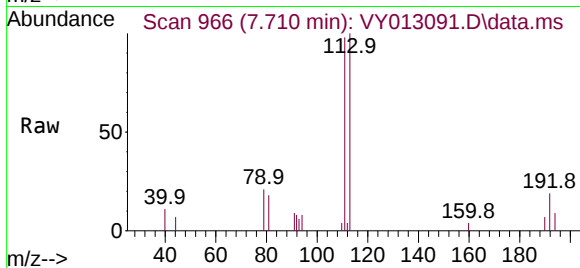
Tgt Ion:113 Resp: 4780

Ion Ratio Lower Upper

113 100

111 98.7 82.2 123.2

192 21.5 16.8 25.2



#50

Toluene-d8

Concen: 54.207 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY013091.D

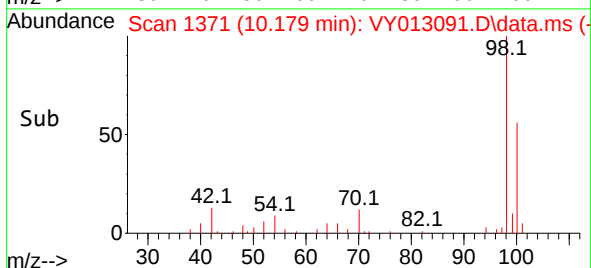
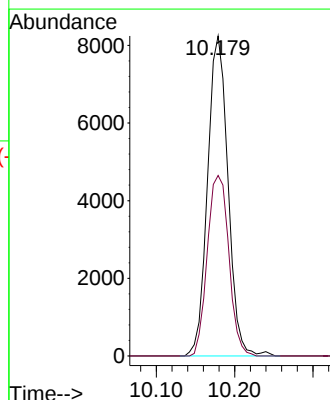
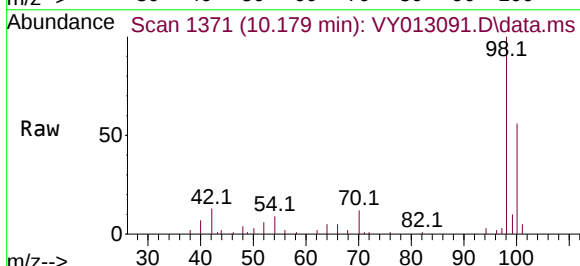
Acq: 27 Mar 2023 14:57

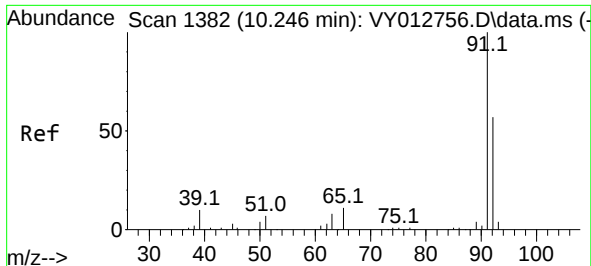
Tgt Ion: 98 Resp: 14922

Ion Ratio Lower Upper

98 100

100 59.4 50.9 76.3





#52

Toluene

Concen: 24.914 ug/l

RT: 10.240 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY013091.D

Acq: 27 Mar 2023 14:57

Instrument :

MSVOA_Y

ClientSampleId :

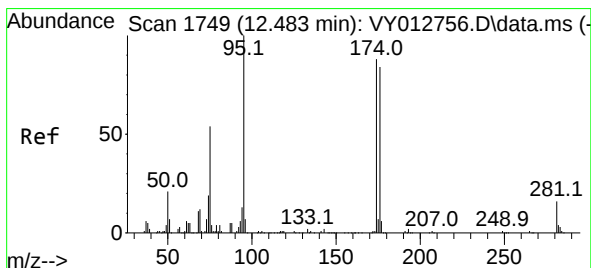
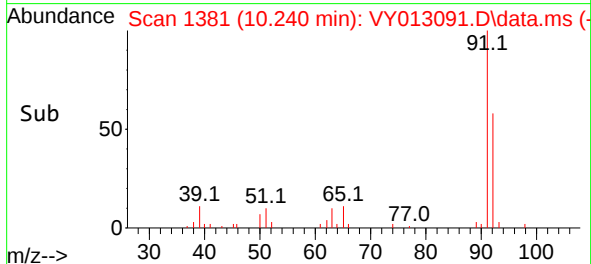
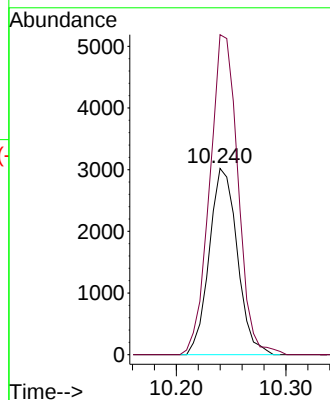
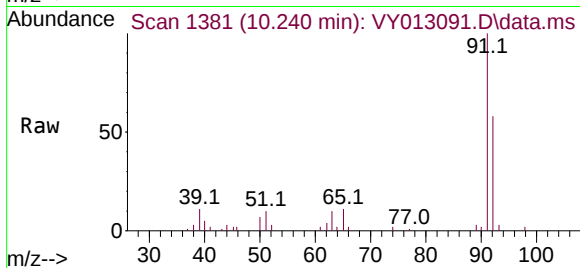
VNJ-224

Tgt Ion: 92 Resp: 5363

Ion Ratio Lower Upper

92 100

91 173.3 141.3 211.9



#62

4-Bromofluorobenzene

Concen: 38.488 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY013091.D

Acq: 27 Mar 2023 14:57

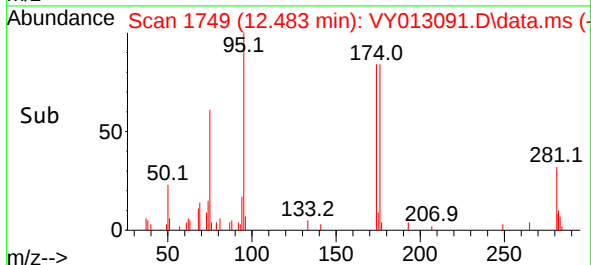
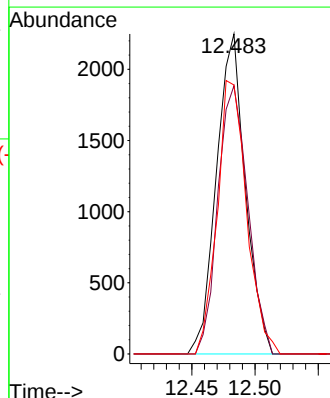
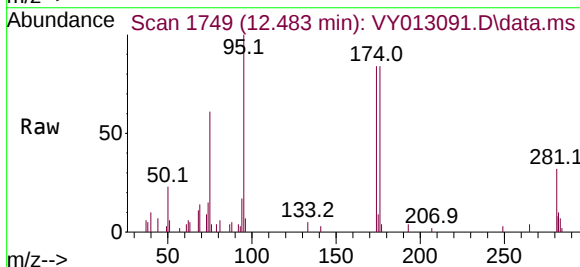
Tgt Ion: 95 Resp: 3576

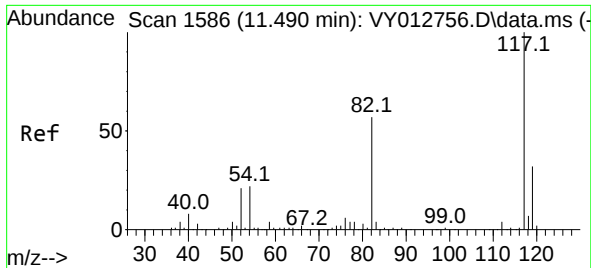
Ion Ratio Lower Upper

95 100

174 86.8 0.0 176.6

176 86.7 0.0 170.2

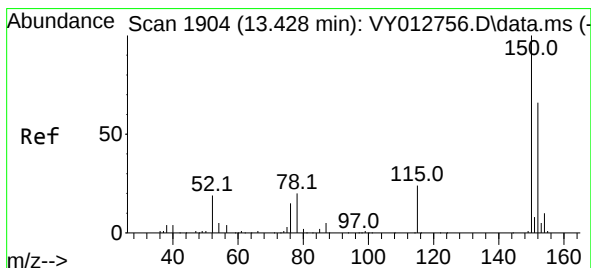
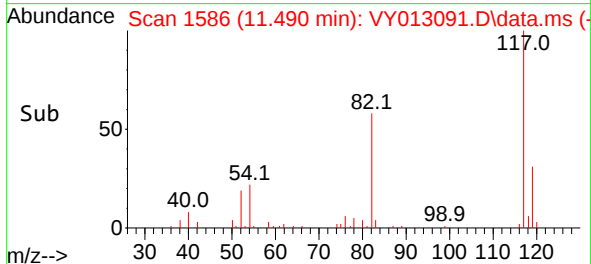
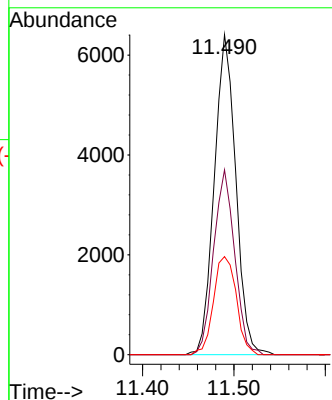
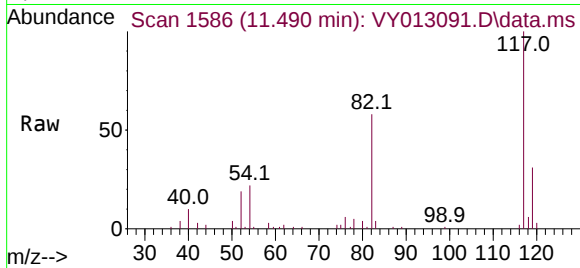




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013091.D
Acq: 27 Mar 2023 14:57

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-224

Tgt Ion:117	Resp:	10471
Ion	Ratio	Lower Upper
117	100	
82	57.8	45.4 68.0
119	30.7	25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013091.D
Acq: 27 Mar 2023 14:57

Tgt Ion:152	Resp:	3657
Ion	Ratio	Lower Upper
152	100	
115	53.0	27.1 81.3
150	148.1	0.0 347.8

