

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022223\
 Data File : VY012690.D
 Acq On : 22 Feb 2023 14:57
 Operator : KP/MD
 Sample : 01640-02
 Misc : 4.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

Quant Time: Feb 22 21:43:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

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

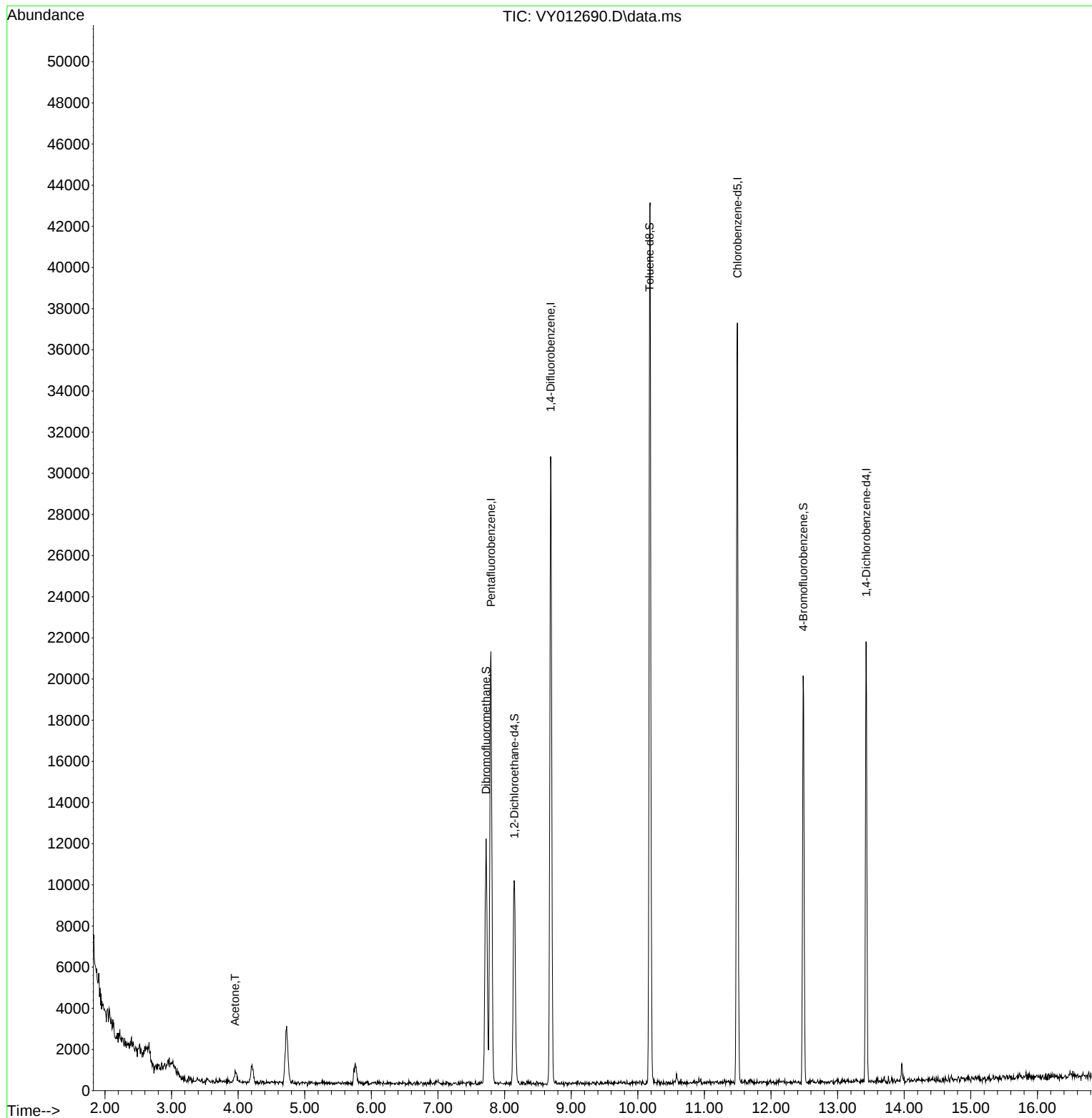
Internal Standards						
1) Pentafluorobenzene	7.795	168	16303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	24615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	19285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	8115	42.146	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.300%
35) Dibromofluoromethane	7.722	113	8311	49.989	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.980%
50) Toluene-d8	10.179	98	28279	45.401	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.800%
62) 4-Bromofluorobenzene	12.483	95	5660	28.396	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	56.800%
Target Compounds						
16) Acetone	3.954	43	1146	18.240	ug/l	Qvalue 96

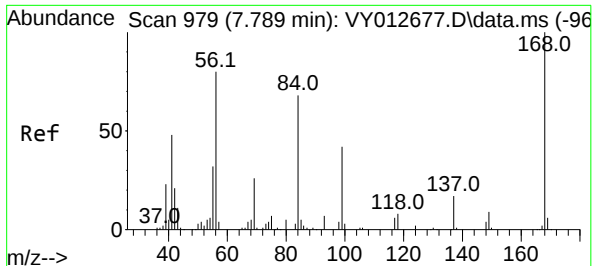
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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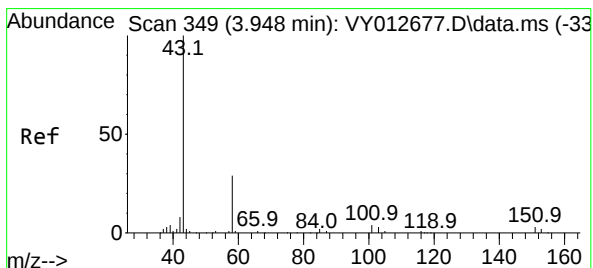
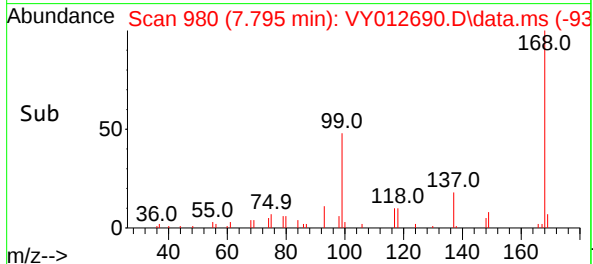
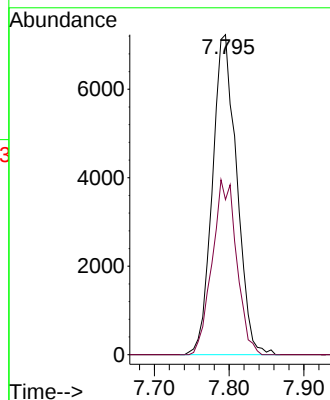
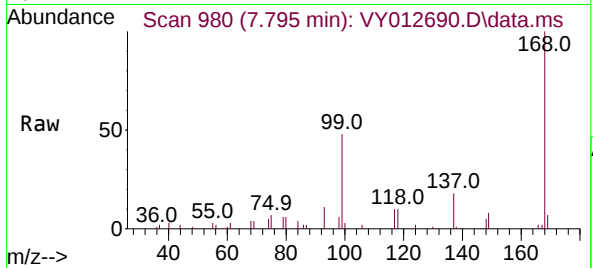




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012690.D
Acq: 22 Feb 2023 14:57

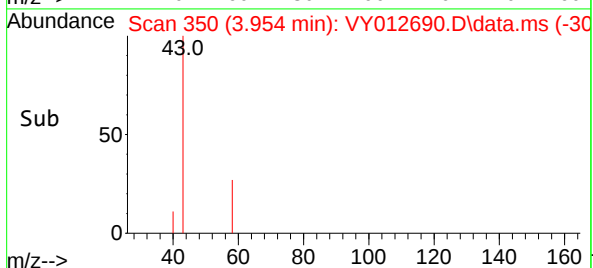
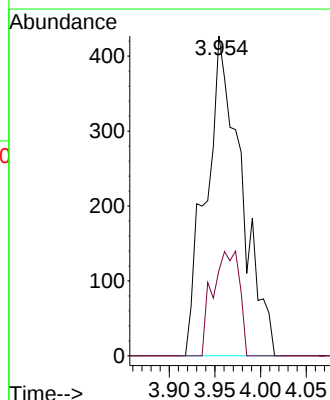
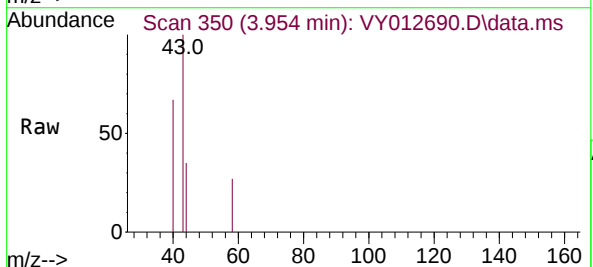
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

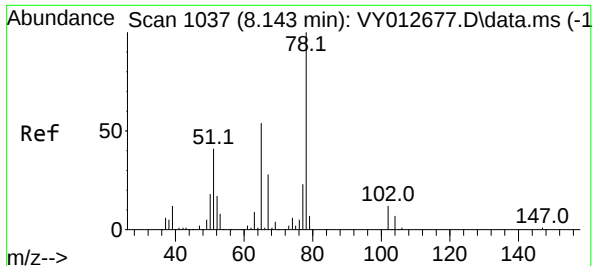
Tgt Ion:168 Resp: 16303
Ion Ratio Lower Upper
168 100
99 48.5 45.4 68.2



#16
Acetone
Concen: 18.240 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY012690.D
Acq: 22 Feb 2023 14:57

Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
58 26.7 23.3 34.9





#33

1,2-Dichloroethane-d4

Concen: 42.146 ug/l

RT: 8.149 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY012690.D

Acq: 22 Feb 2023 14:57

Instrument :

MSVOA_Y

ClientSampleId :

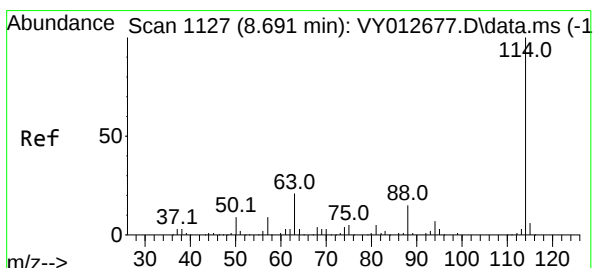
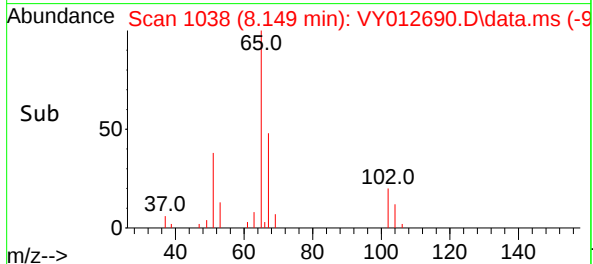
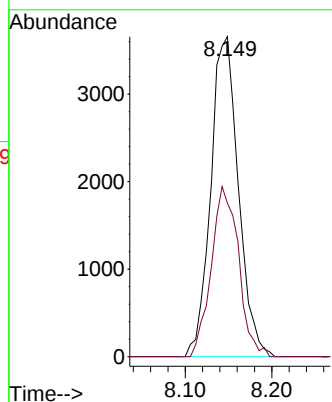
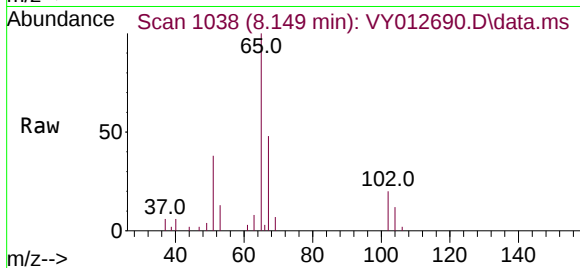
TP-2

Tgt Ion: 65 Resp: 8115

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012690.D

Acq: 22 Feb 2023 14:57

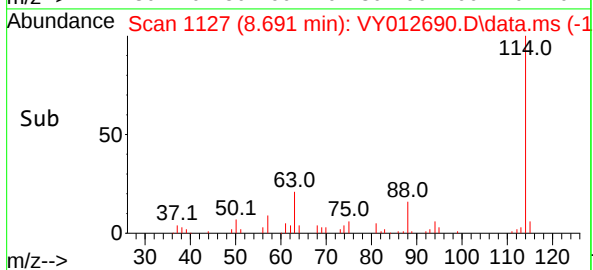
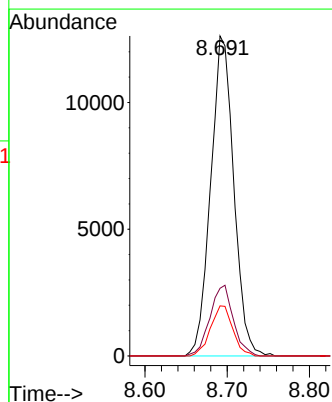
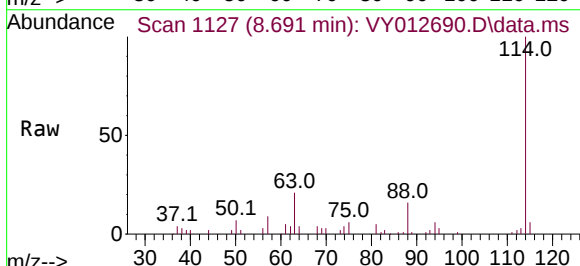
Tgt Ion: 114 Resp: 24615

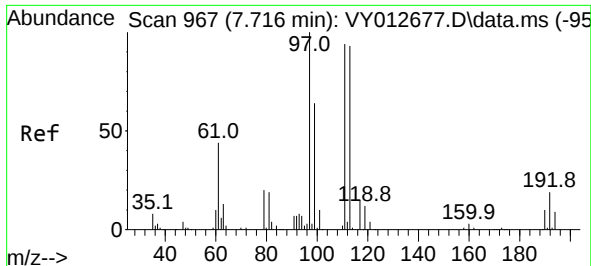
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.8

88 15.7 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.989 ug/l

RT: 7.722 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY012690.D

Acq: 22 Feb 2023 14:57

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

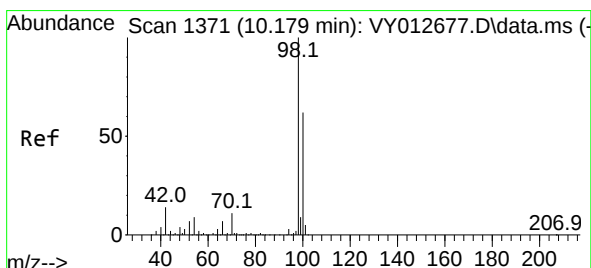
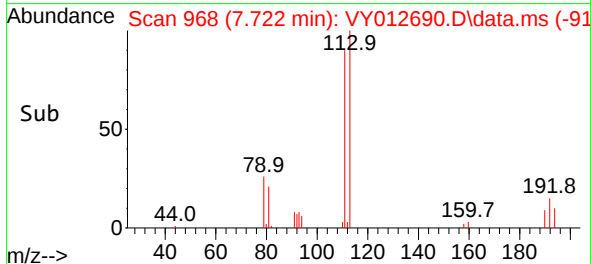
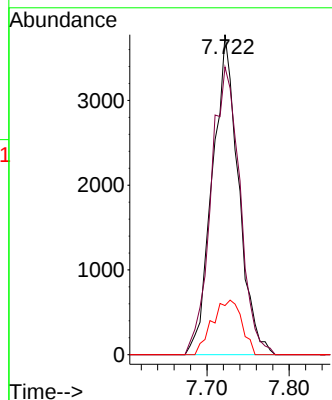
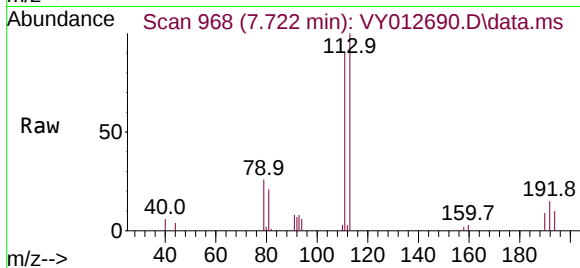
Tgt Ion:113 Resp: 8311

Ion Ratio Lower Upper

113 100

111 100.0 82.0 123.0

192 19.3 16.2 24.2



#50

Toluene-d8

Concen: 45.401 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012690.D

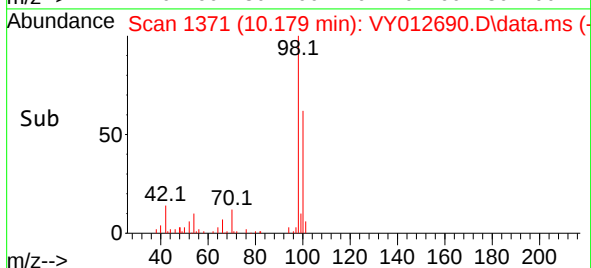
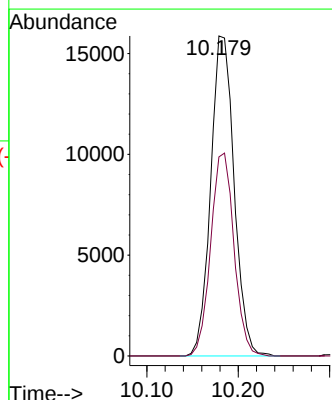
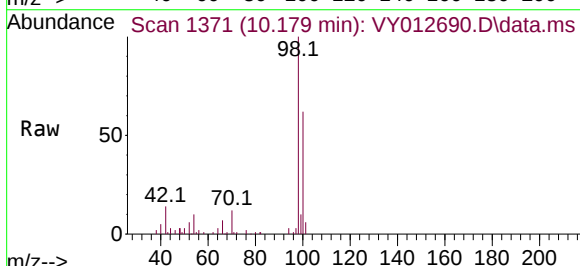
Acq: 22 Feb 2023 14:57

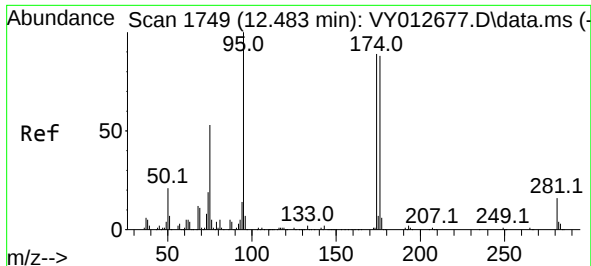
Tgt Ion: 98 Resp: 28279

Ion Ratio Lower Upper

98 100

100 62.9 51.2 76.8

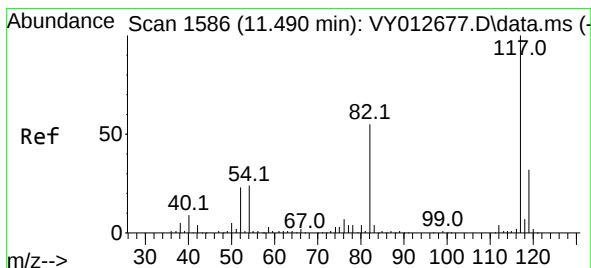
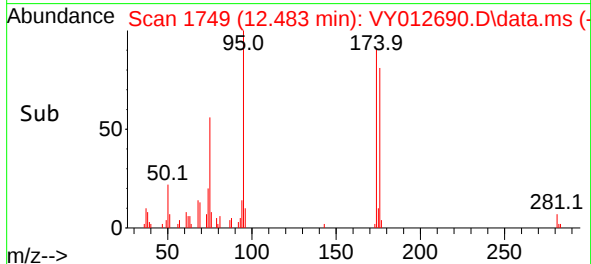
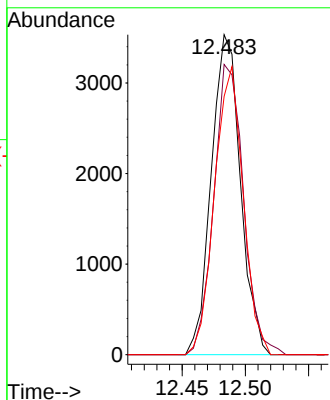
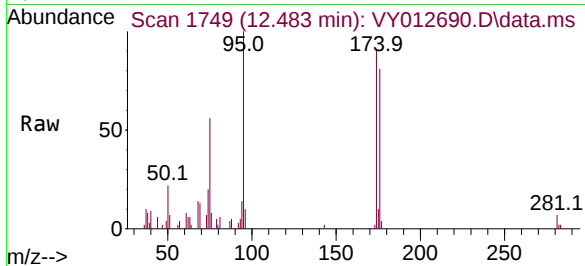




#62
4-Bromofluorobenzene
Concen: 28.396 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012690.D
Acq: 22 Feb 2023 14:57

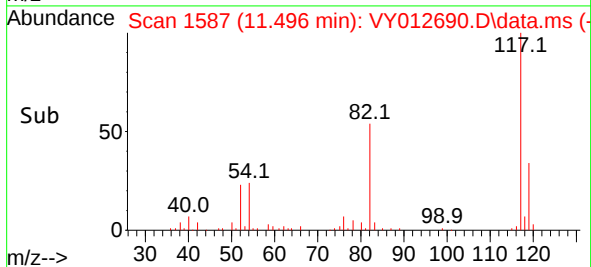
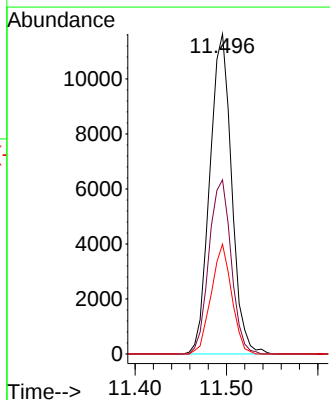
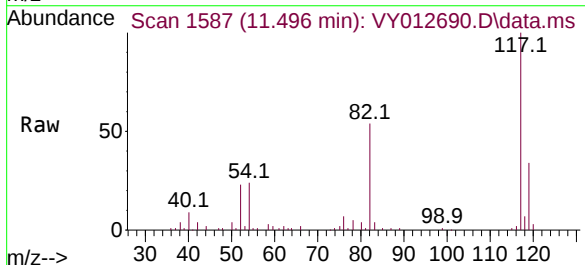
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

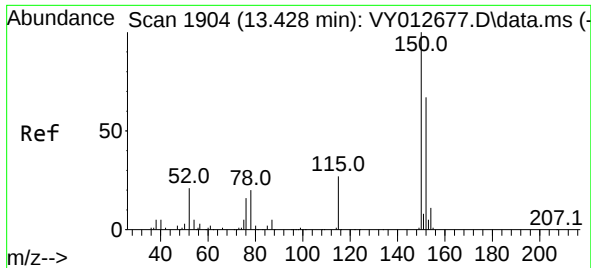
Tgt Ion:	95	Resp:	5660
Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	172.8
176	88.4	0.0	169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY012690.D
Acq: 22 Feb 2023 14:57

Tgt Ion:	117	Resp:	19285
Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.1	66.1
119	34.3	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012690.D

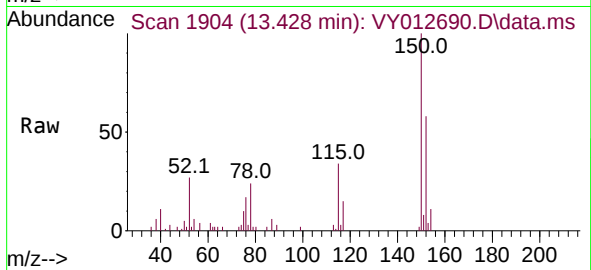
Acq: 22 Feb 2023 14:57

Instrument :

MSVOA_Y

ClientSampleId :

TP-2



Tgt Ion:152 Resp: 5311

Ion Ratio Lower Upper

152 100

115 53.5 28.7 86.3

150 159.6 0.0 347.6

