

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102023\
 Data File : VY016058.D
 Acq On : 20 Oct 2023 11:54
 Operator : SY/MD
 Sample : 04945-01RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAT-2-101823RE

Quant Time: Oct 20 23:05:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

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

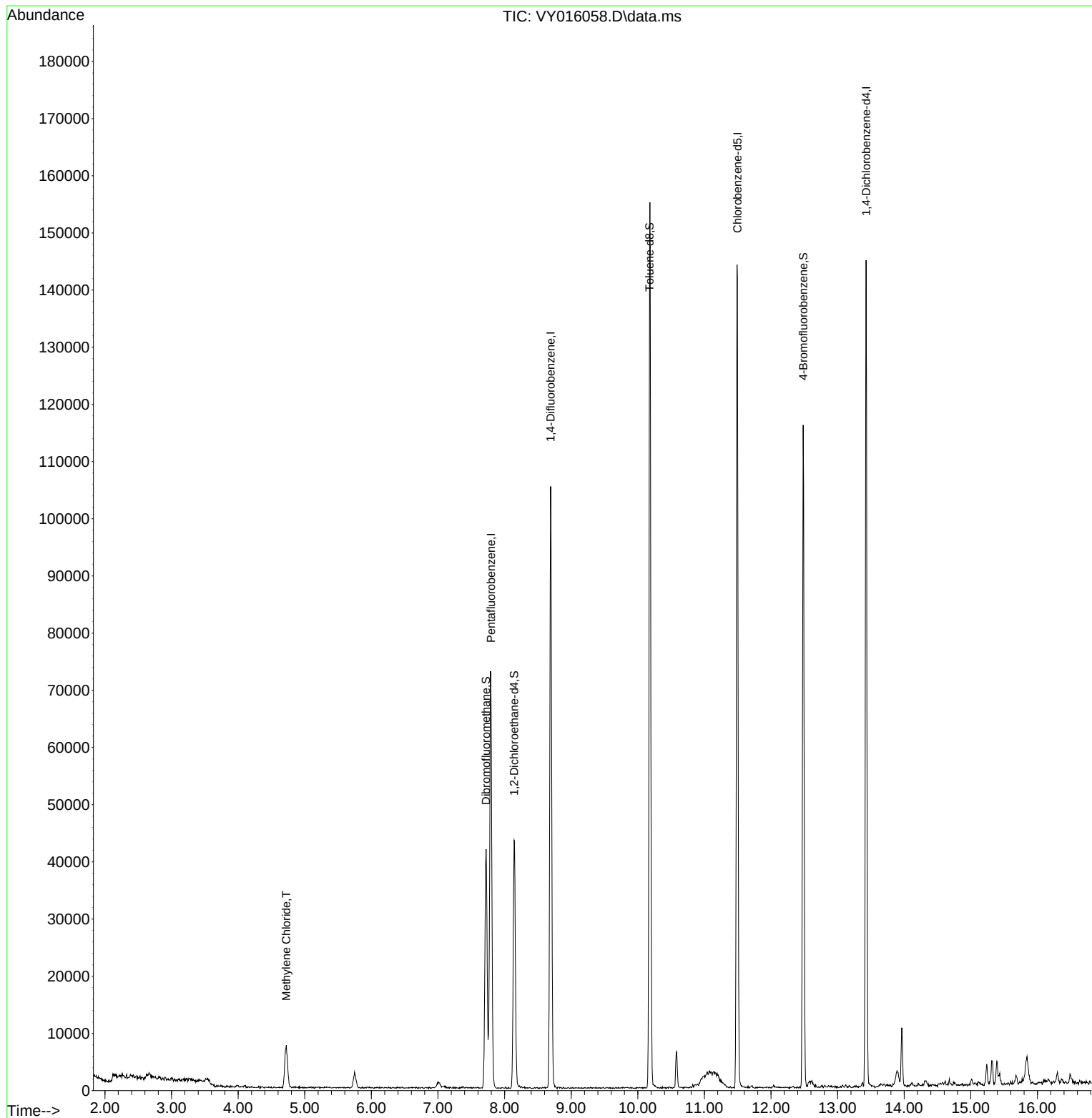
Internal Standards						
1) Pentafluorobenzene	7.795	168	56569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	91173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	83151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	37537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	35058	54.527	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.060%	
35) Dibromofluoromethane	7.721	113	30579	50.955	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.920%	
50) Toluene-d8	10.178	98	105284	48.306	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.620%	
62) 4-Bromofluorobenzene	12.483	95	34034	43.763	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.520%	
Target Compounds						Qvalue
20) Methylene Chloride	4.722	84	5594	7.901	ug/l	97

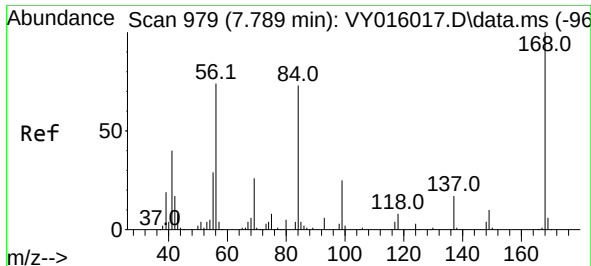
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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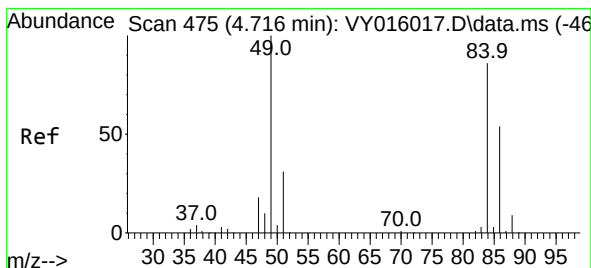
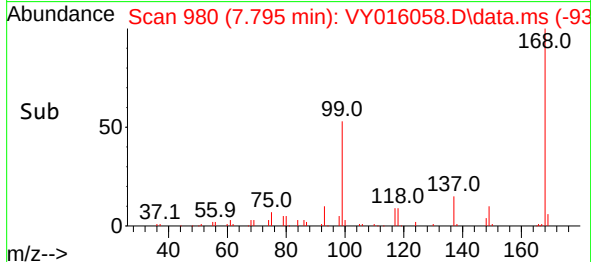
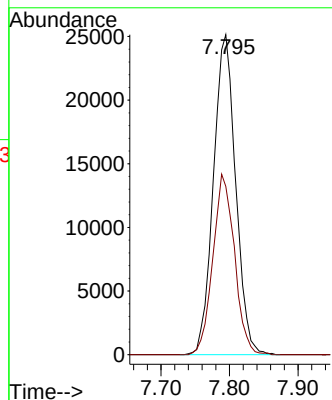
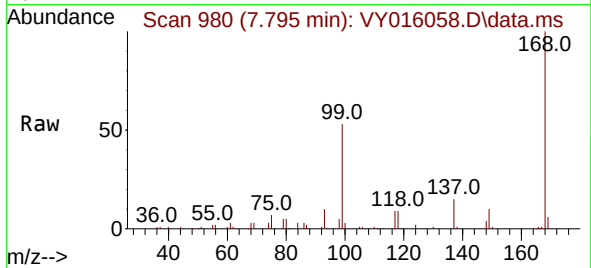




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016058.D
Acq: 20 Oct 2023 11:54

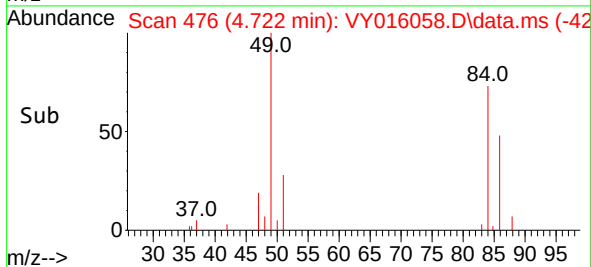
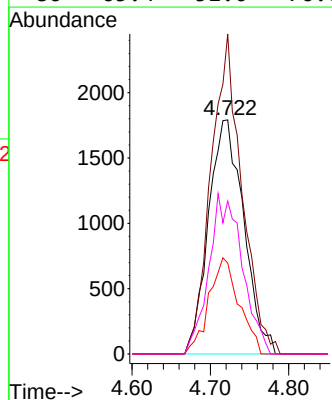
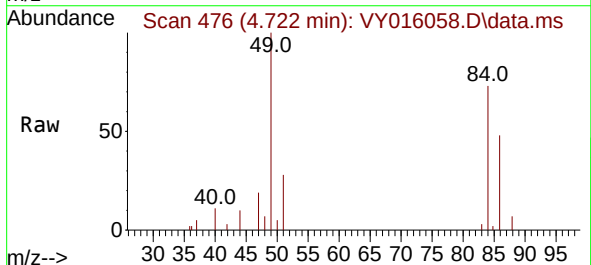
Instrument :
MSVOA_Y
ClientSampleId :
PAT-2-101823RE

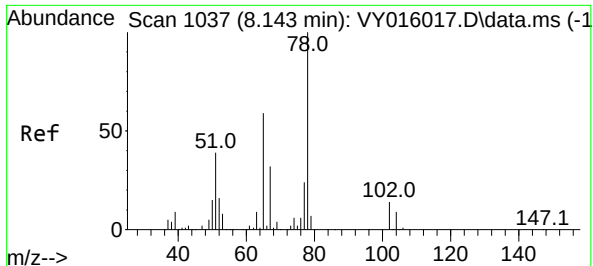
Tgt Ion:168 Resp: 56569
Ion Ratio Lower Upper
168 100
99 52.6 43.4 65.0



#20
Methylene Chloride
Concen: 7.901 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY016058.D
Acq: 20 Oct 2023 11:54

Tgt Ion: 84 Resp: 5594
Ion Ratio Lower Upper
84 100
49 136.7 106.9 160.3
51 38.9 33.2 49.8
86 65.4 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 54.527 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY016058.D

Acq: 20 Oct 2023 11:54

Instrument :

MSVOA_Y

ClientSampleId :

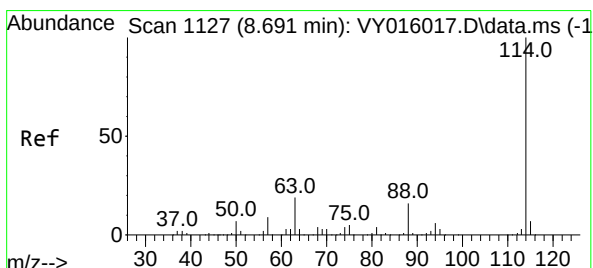
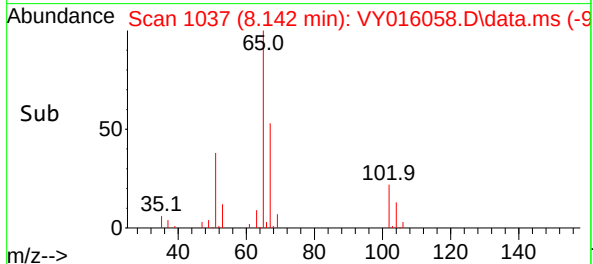
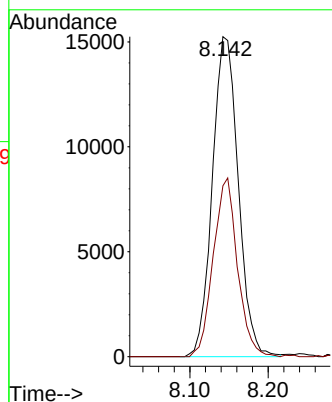
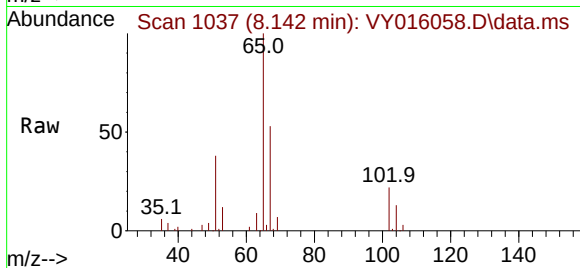
PAT-2-101823RE

Tgt Ion: 65 Resp: 35058

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY016058.D

Acq: 20 Oct 2023 11:54

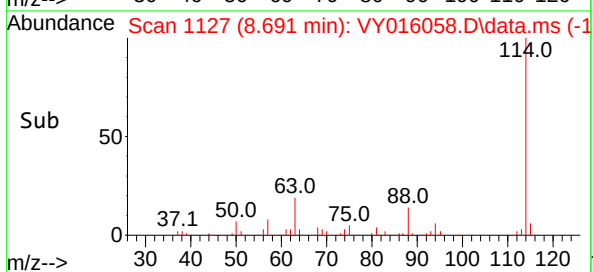
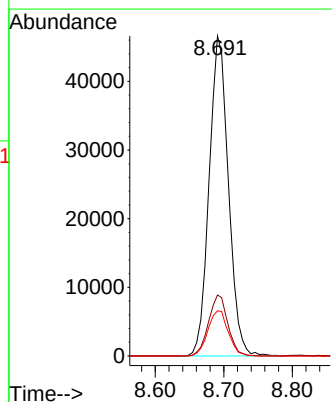
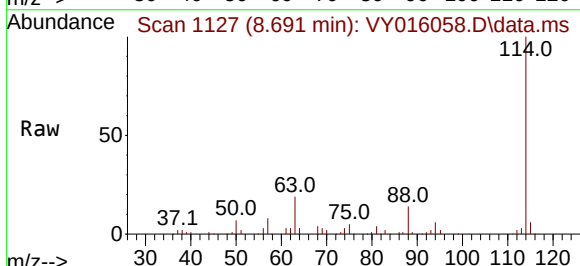
Tgt Ion: 114 Resp: 91173

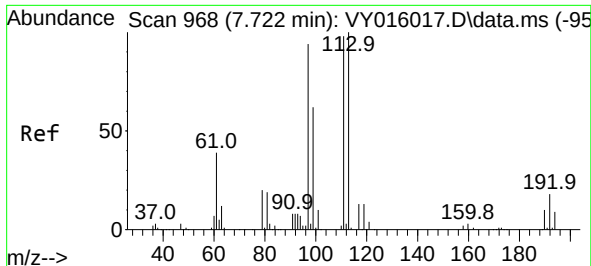
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

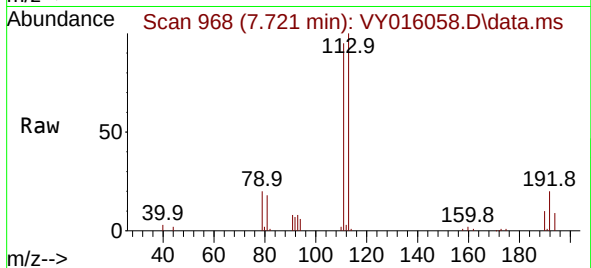
88 14.1 0.0 30.6





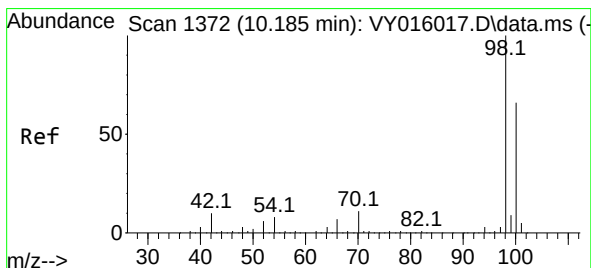
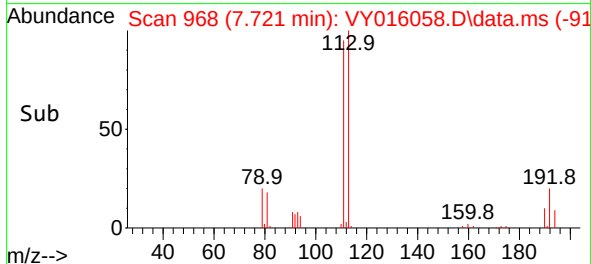
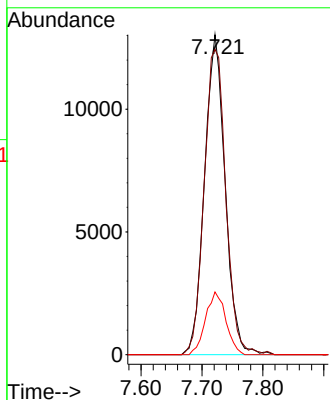
#35
Dibromofluoromethane
Concen: 50.955 ug/l
RT: 7.721 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016058.D
Acq: 20 Oct 2023 11:54

Instrument :
MSVOA_Y
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PAT-2-101823RE



Tgt Ion:113 Resp: 30579

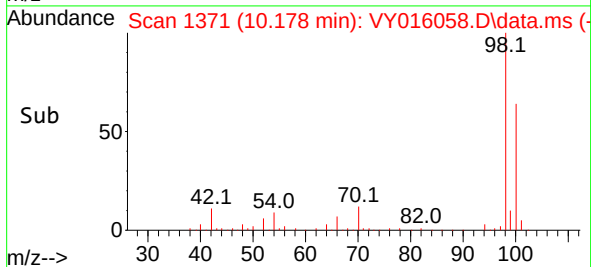
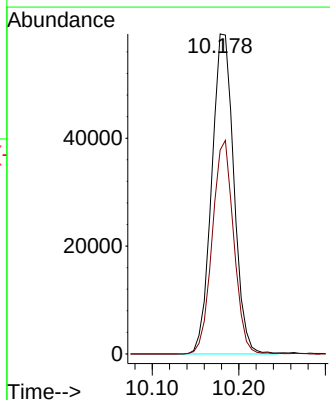
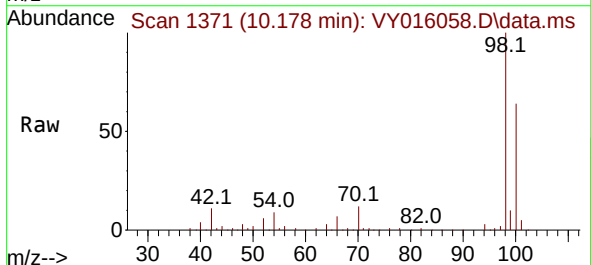
Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.3	121.9
192	19.4	16.9	25.3

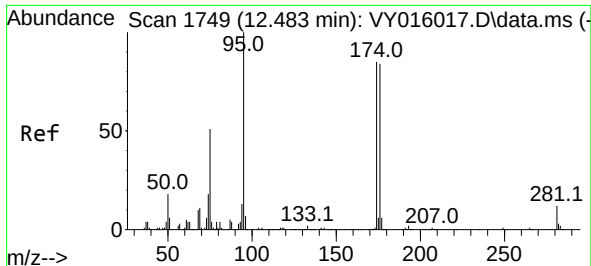


#50
Toluene-d8
Concen: 48.306 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.007 min
Lab File: VY016058.D
Acq: 20 Oct 2023 11:54

Tgt Ion: 98 Resp: 105284

Ion	Ratio	Lower	Upper
98	100		
100	64.8	50.1	75.1

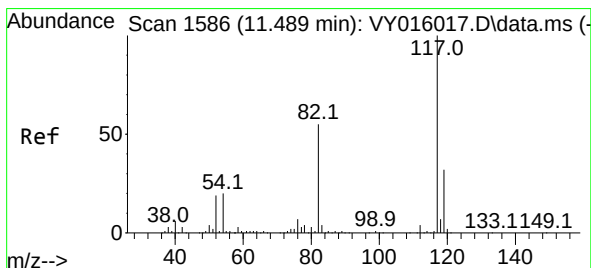
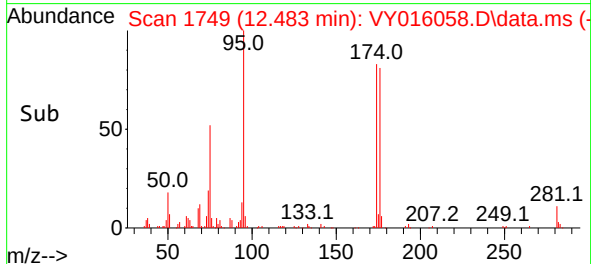
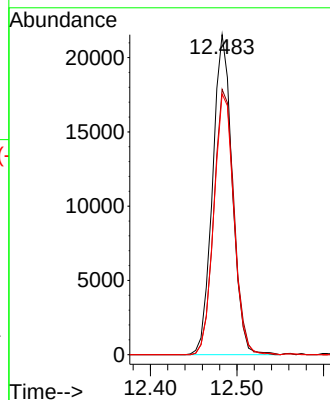
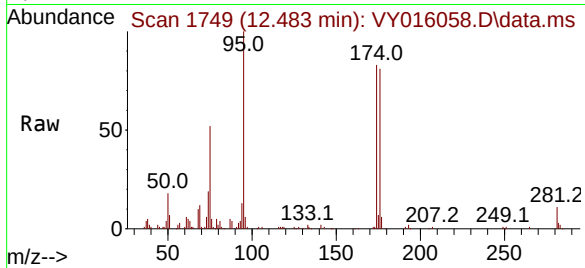




#62
4-Bromofluorobenzene
Concen: 43.763 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016058.D
Acq: 20 Oct 2023 11:54

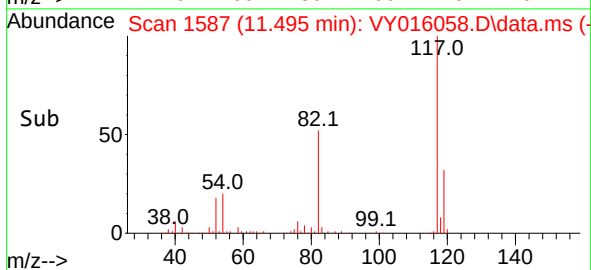
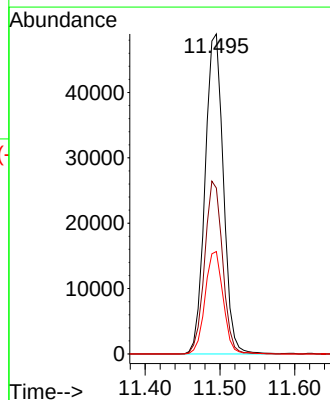
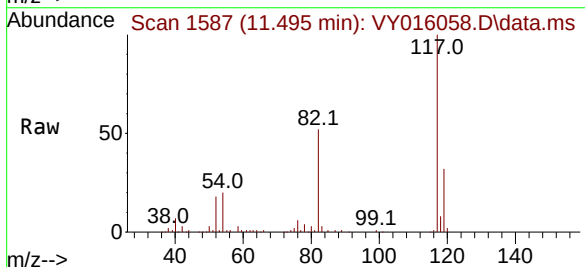
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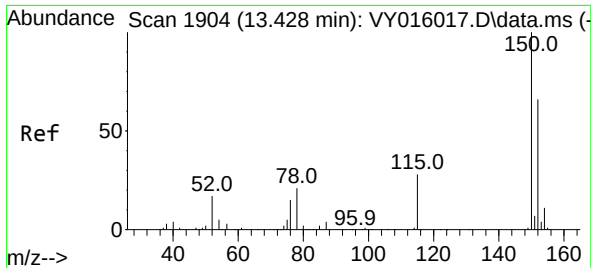
Tgt Ion: 95 Resp: 34034
Ion Ratio Lower Upper
95 100
174 85.1 0.0 178.2
176 82.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY016058.D
Acq: 20 Oct 2023 11:54

Tgt Ion: 117 Resp: 83151
Ion Ratio Lower Upper
117 100
82 51.9 43.4 65.0
119 32.0 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY016058.D

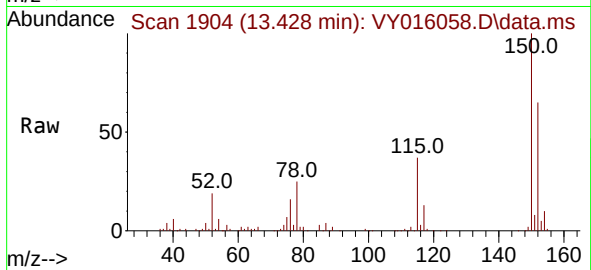
Acq: 20 Oct 2023 11:54

Instrument :

MSVOA_Y

ClientSampleId :

PAT-2-101823RE



Tgt Ion:152 Resp: 37537

Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 155.4 0.0 348.8

