

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
 Data File : VY017972.D
 Acq On : 18 Apr 2024 13:39
 Operator : SY/MD
 Sample : P2147-07
 Misc : 6.19g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAB-3

Quant Time: Apr 19 02:00:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:24:42 2024
 Response via : Initial Calibration

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

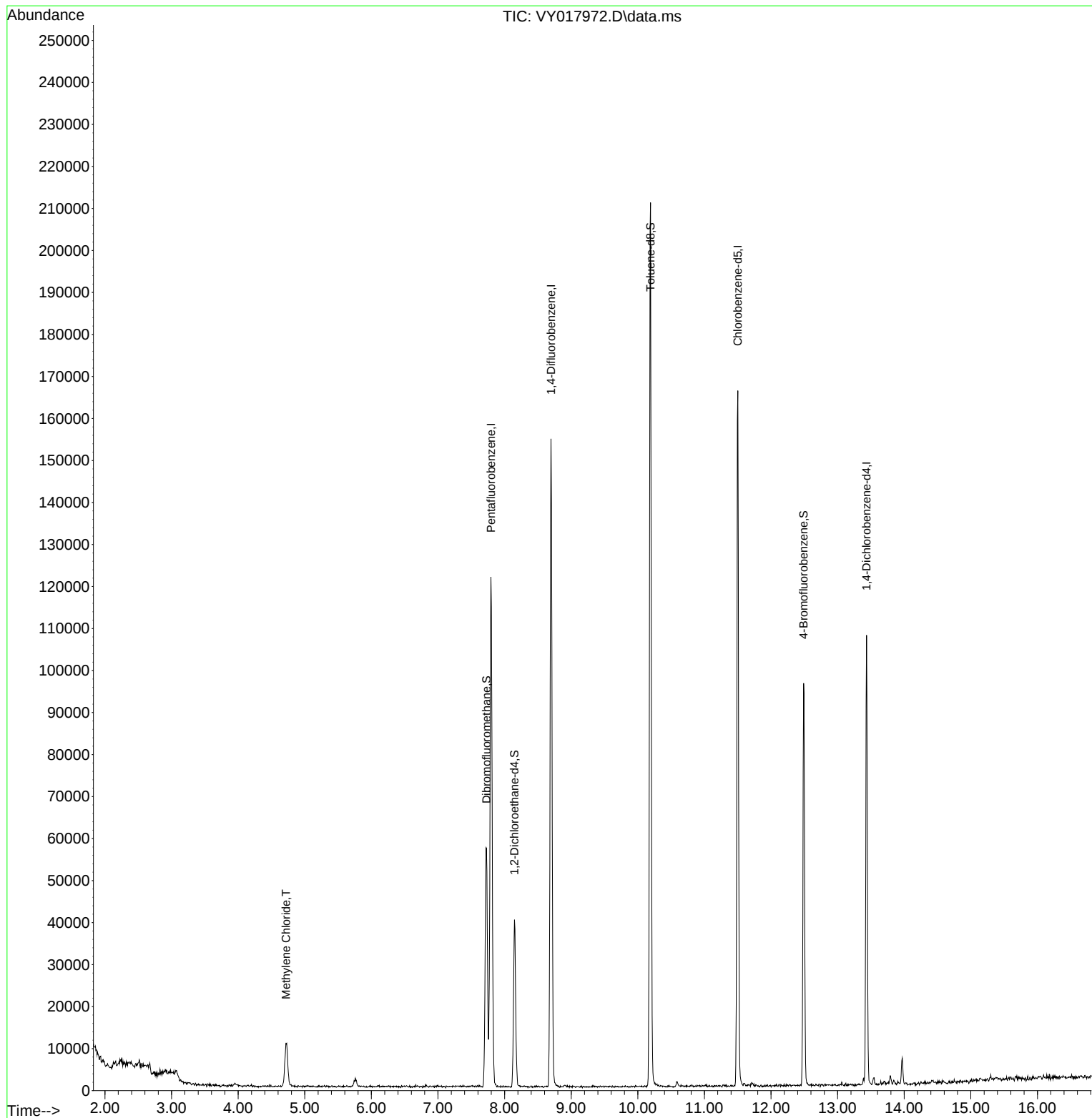
Internal Standards						
1) Pentafluorobenzene	7.795	168	103929	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	141843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	100922	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	30403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	30095	33.462	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	66.920%
35) Dibromofluoromethane	7.728	113	43325	49.509	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.020%
50) Toluene-d8	10.191	98	149648	45.068	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.140%
62) 4-Bromofluorobenzene	12.489	95	29529	28.714	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	57.420%
Target Compounds						
20) Methylene Chloride	4.716	84	8743	7.262	ug/l	Qvalue 91

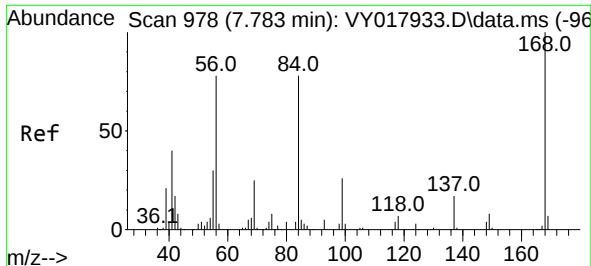
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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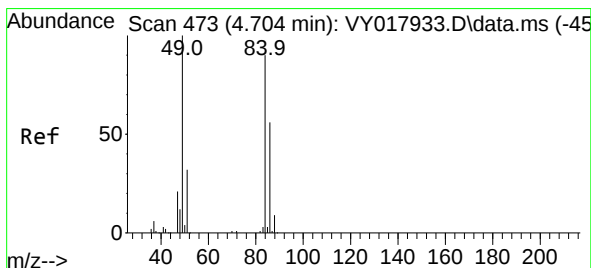
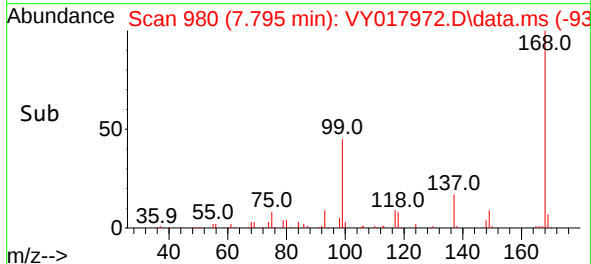
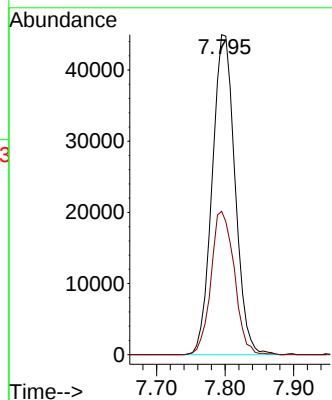
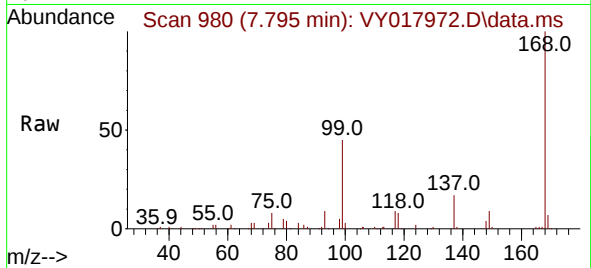




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017972.D
Acq: 18 Apr 2024 13:39

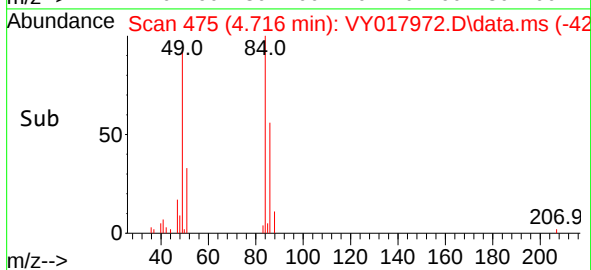
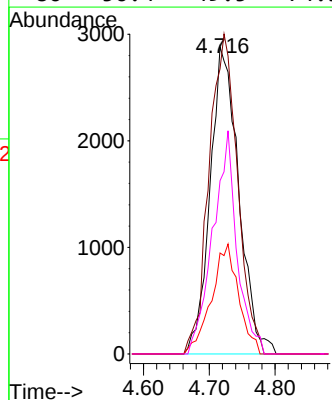
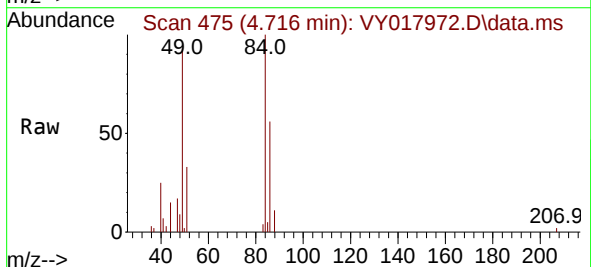
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-3

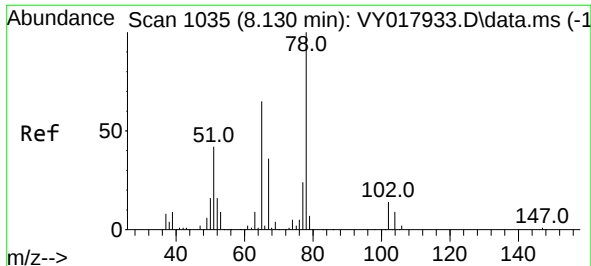
Tgt Ion:168 Resp: 103929
Ion Ratio Lower Upper
168 100
99 44.8 39.1 58.7



#20
Methylene Chloride
Concen: 7.262 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY017972.D
Acq: 18 Apr 2024 13:39

Tgt Ion: 84 Resp: 8743
Ion Ratio Lower Upper
84 100
49 92.9 84.4 126.6
51 32.9 26.0 39.0
86 56.4 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 33.462 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY017972.D

Acq: 18 Apr 2024 13:39

Instrument :

MSVOA_Y

ClientSampleId :

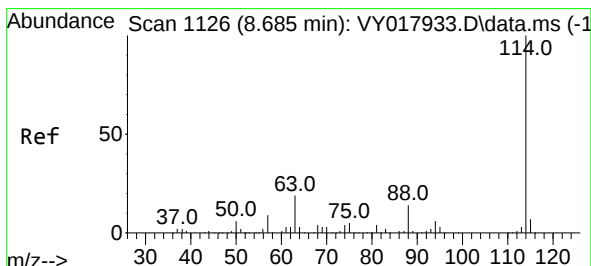
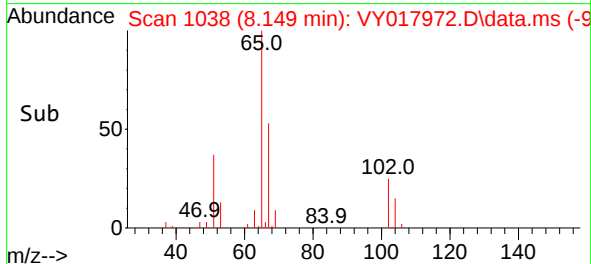
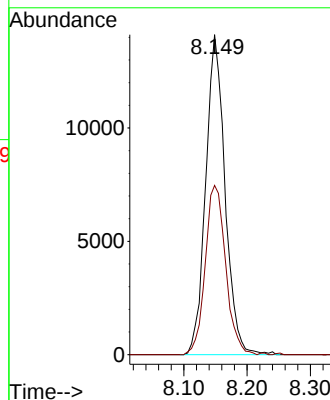
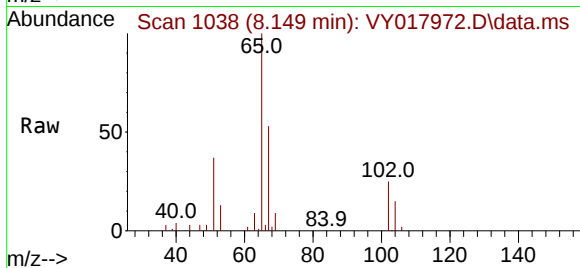
GRAB-3

Tgt Ion: 65 Resp: 30095

Ion Ratio Lower Upper

65 100

67 55.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY017972.D

Acq: 18 Apr 2024 13:39

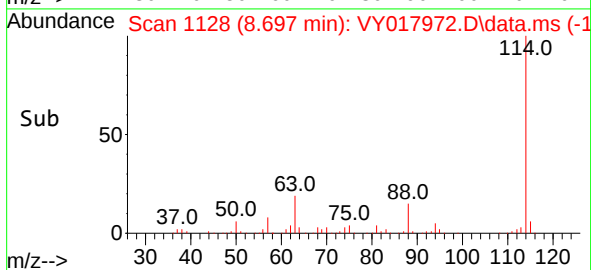
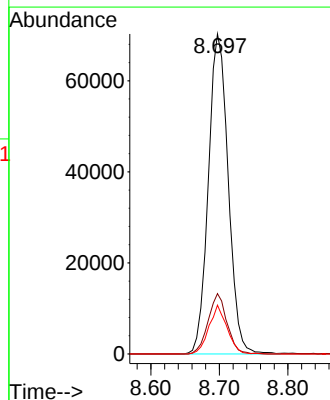
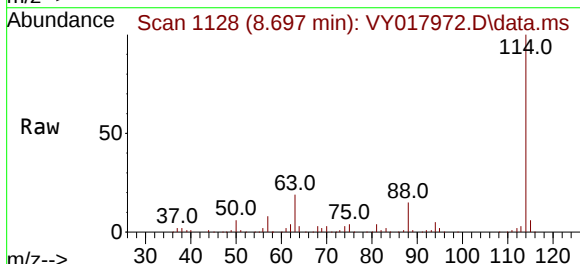
Tgt Ion:114 Resp: 141843

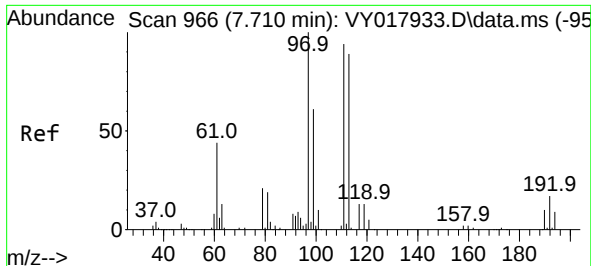
Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.0

88 15.3 0.0 27.2





#35

Dibromofluoromethane

Concen: 49.509 ug/l

RT: 7.728 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY017972.D

Acq: 18 Apr 2024 13:39

Instrument :

MSVOA_Y

ClientSampleId :

GRAB-3

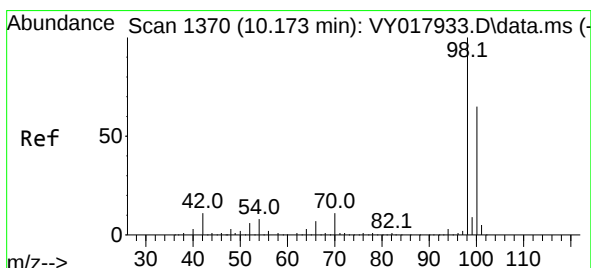
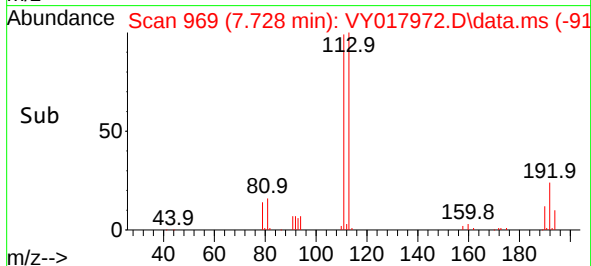
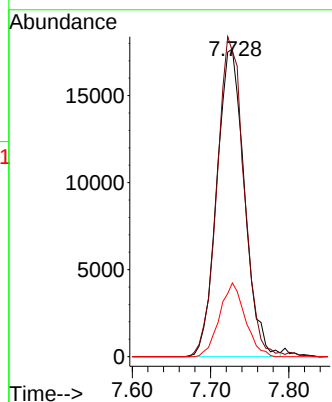
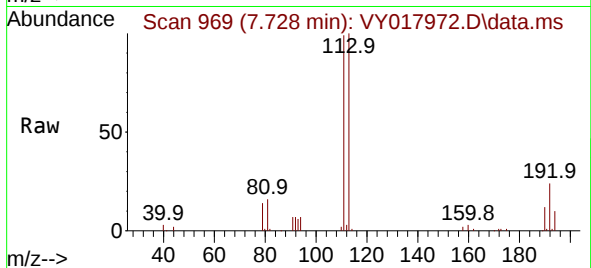
Tgt Ion:113 Resp: 43325

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

192 22.2 15.9 23.9



#50

Toluene-d8

Concen: 45.068 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. 0.012 min

Lab File: VY017972.D

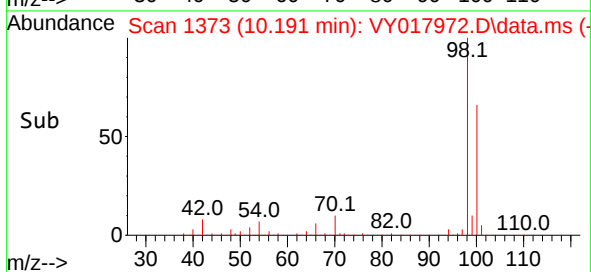
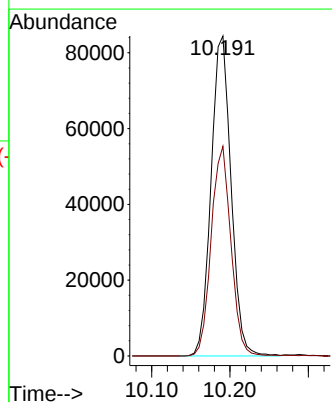
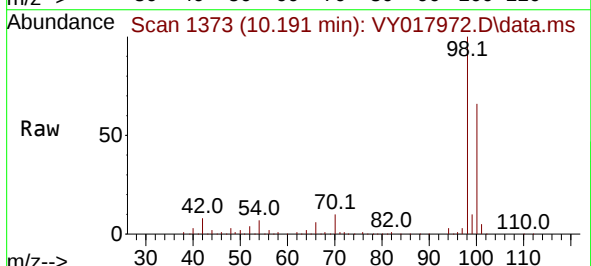
Acq: 18 Apr 2024 13:39

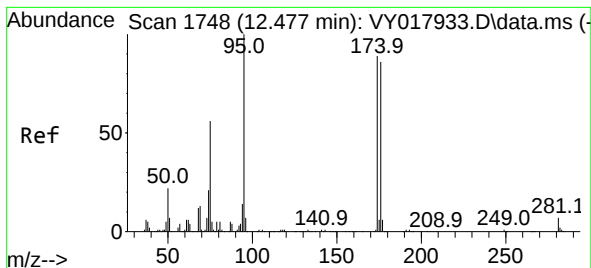
Tgt Ion: 98 Resp: 149648

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0

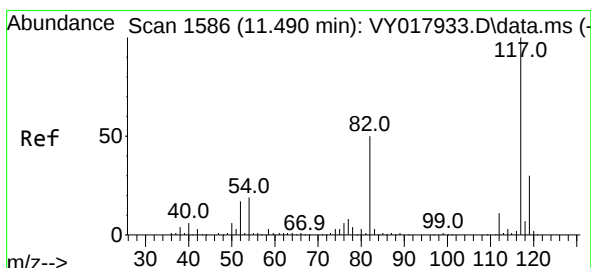
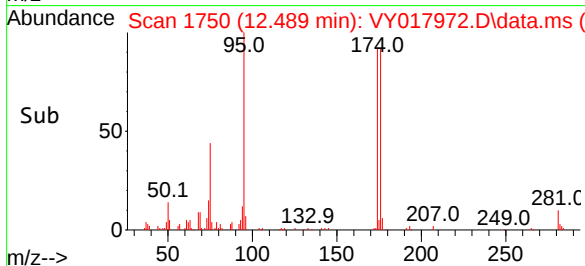
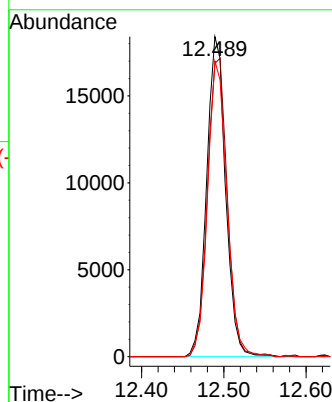
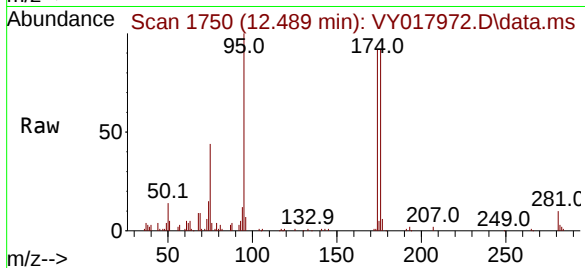




#62
4-Bromofluorobenzene
Concen: 28.714 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017972.D
Acq: 18 Apr 2024 13:39

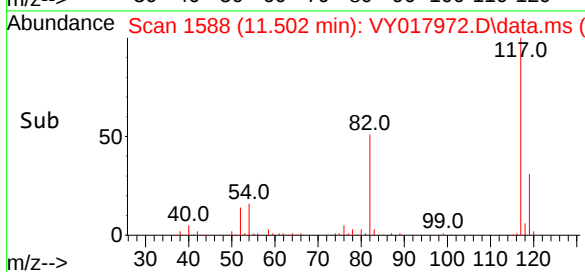
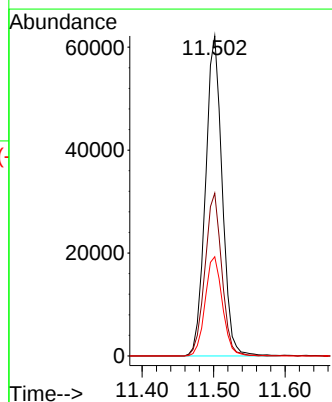
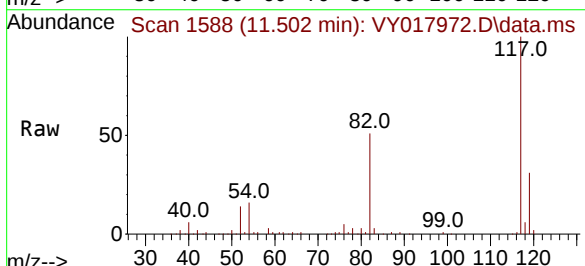
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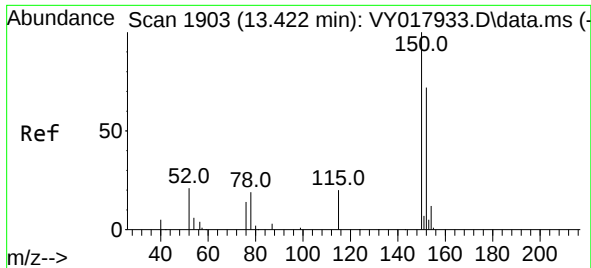
Tgt Ion: 95 Resp: 29529
Ion Ratio Lower Upper
95 100
174 97.8 0.0 175.6
176 94.4 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.012 min
Lab File: VY017972.D
Acq: 18 Apr 2024 13:39

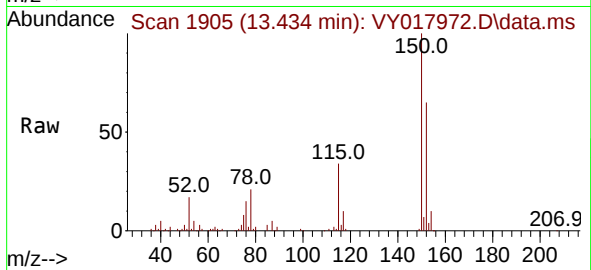
Tgt Ion: 117 Resp: 100922
Ion Ratio Lower Upper
117 100
82 50.9 42.4 63.6
119 31.0 25.9 38.9





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.006 min
 Lab File: VY017972.D
 Acq: 18 Apr 2024 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAB-3



Tgt Ion:152 Resp: 30403
 Ion Ratio Lower Upper
 152 100
 115 53.7 28.2 84.7
 150 155.8 0.0 345.6

