

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
 Data File : VY017978.D
 Acq On : 18 Apr 2024 16:02
 Operator : SY/MD
 Sample : P2147-13
 Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAB-9

Quant Time: Apr 19 02:02:25 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)

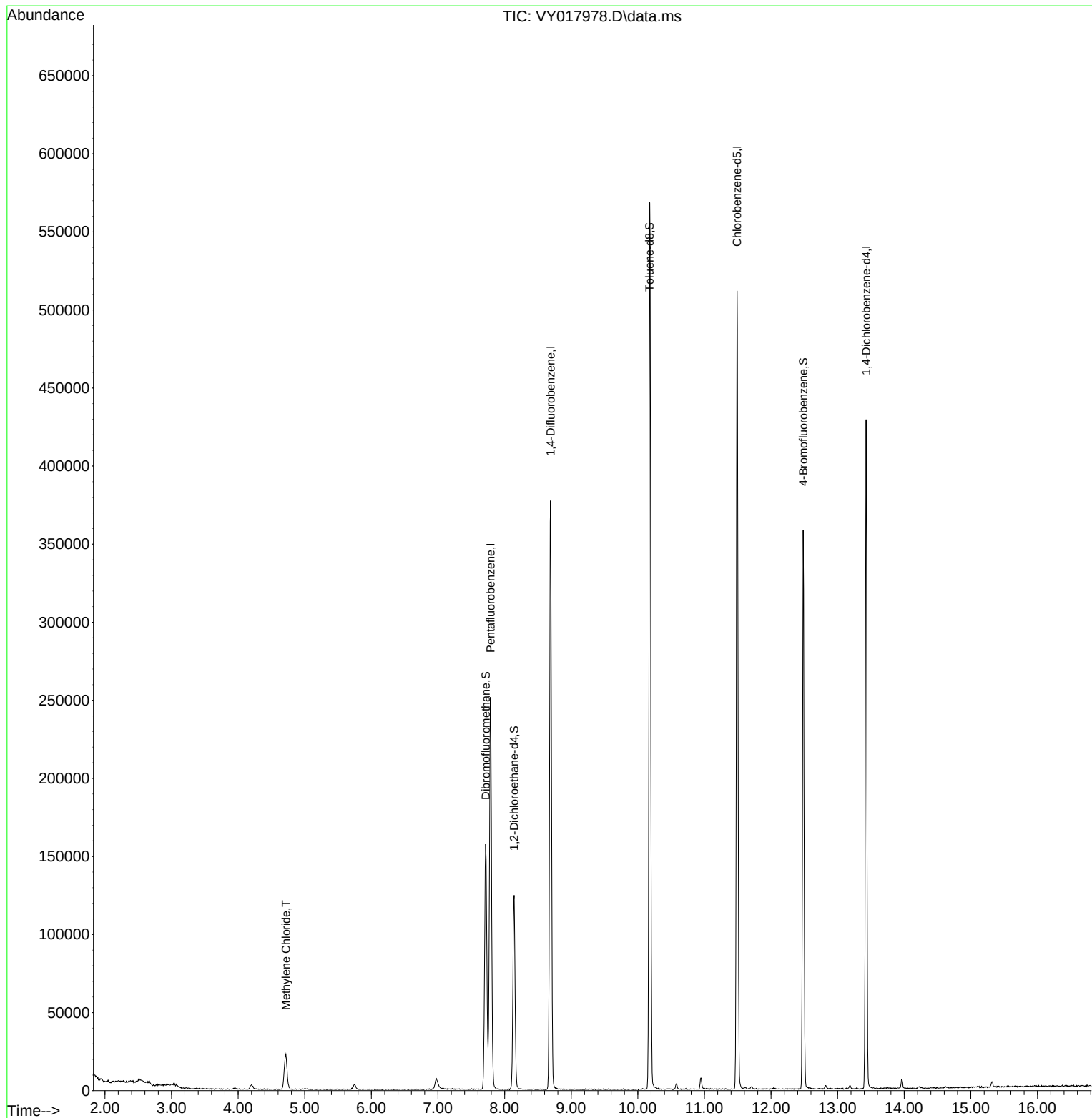
Internal Standards						
1) Pentafluorobenzene	7.789	168	211863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	349933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	311299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	119017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	96021	52.373	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.740%	
35) Dibromofluoromethane	7.716	113	113843	52.733	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.460%	
50) Toluene-d8	10.179	98	397384	48.510	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.020%	
62) 4-Bromofluorobenzene	12.483	95	107018	42.182	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.360%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.716	84	18668	7.606	ug/l	96

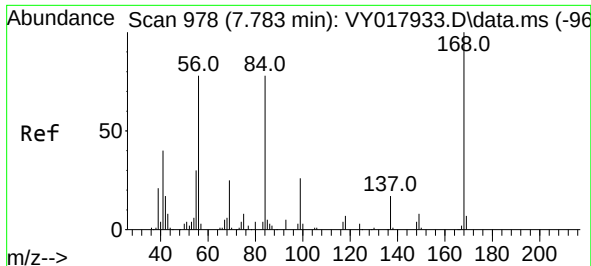
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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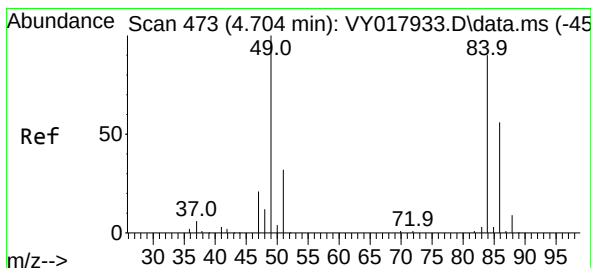
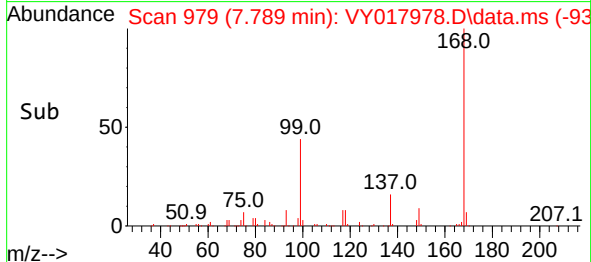
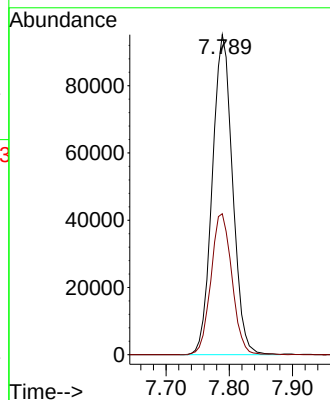
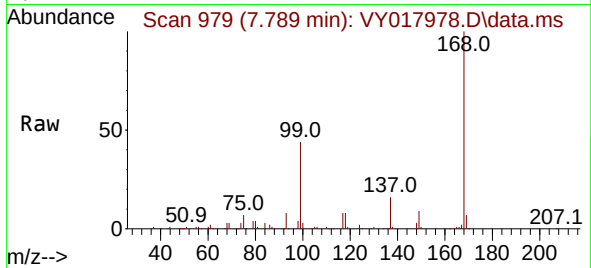




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017978.D
Acq: 18 Apr 2024 16:02

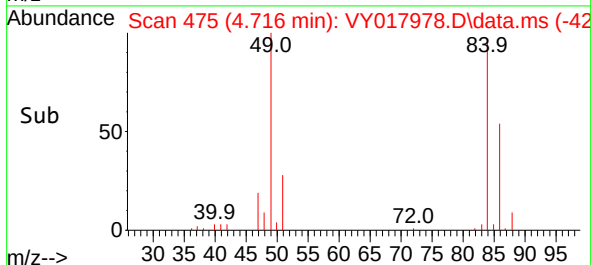
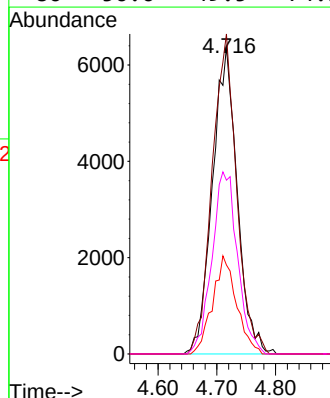
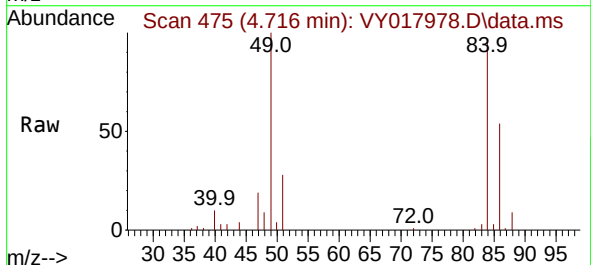
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-9

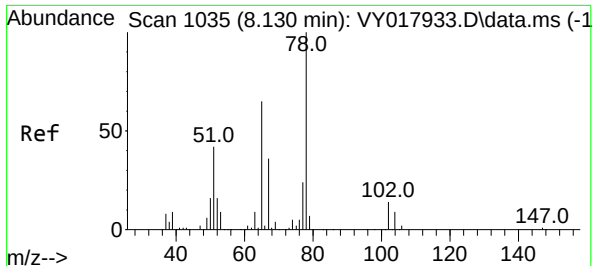
Tgt Ion:168 Resp: 211863
Ion Ratio Lower Upper
168 100
99 44.0 39.1 58.7



#20
Methylene Chloride
Concen: 7.606 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY017978.D
Acq: 18 Apr 2024 16:02

Tgt Ion: 84 Resp: 18668
Ion Ratio Lower Upper
84 100
49 104.3 84.4 126.6
51 29.0 26.0 39.0
86 56.6 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 52.373 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY017978.D

Acq: 18 Apr 2024 16:02

Instrument :

MSVOA_Y

ClientSampleId :

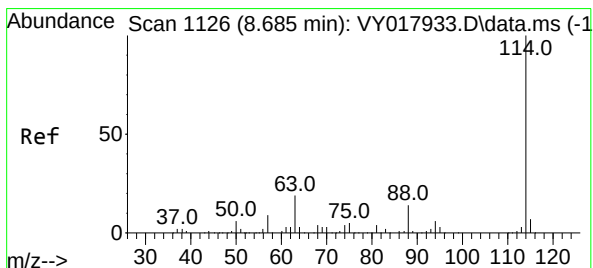
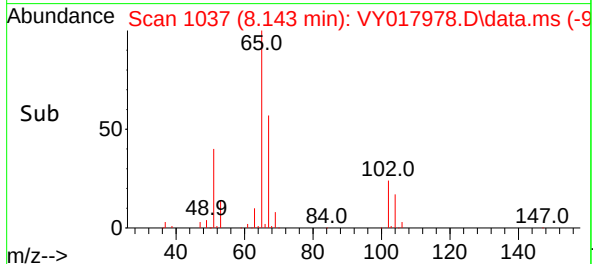
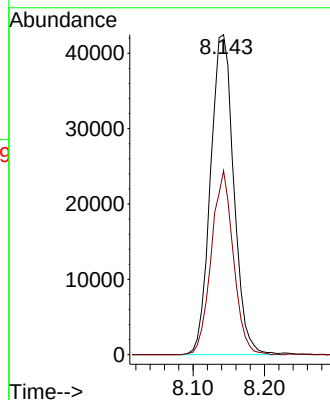
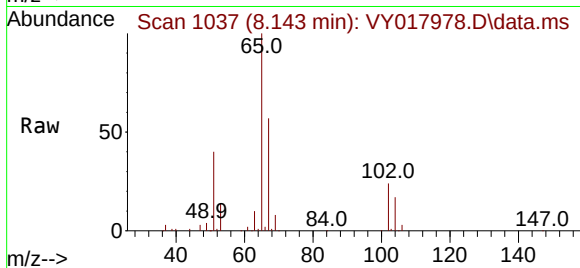
GRAB-9

Tgt Ion: 65 Resp: 96021

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY017978.D

Acq: 18 Apr 2024 16:02

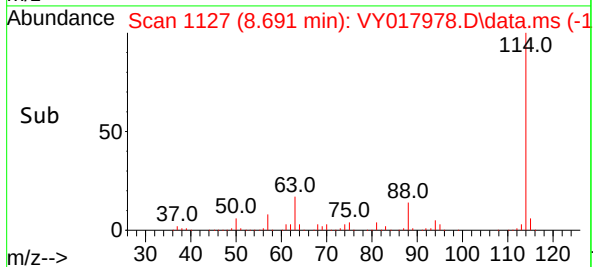
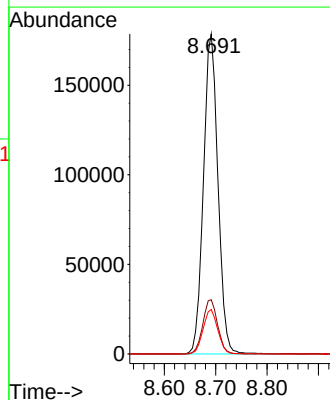
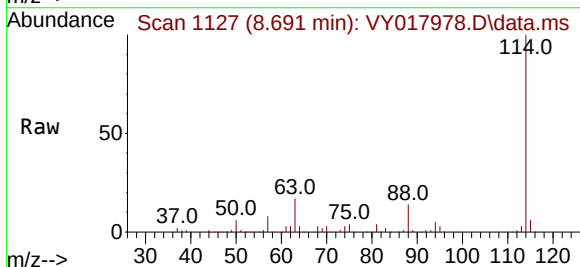
Tgt Ion: 114 Resp: 349933

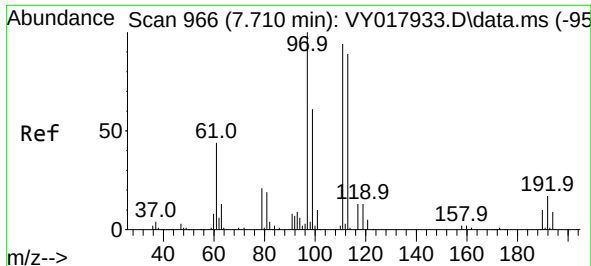
Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.0

88 13.9 0.0 27.2

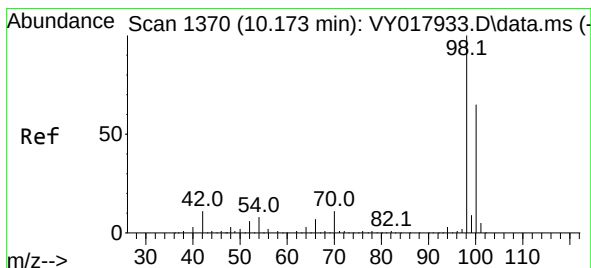
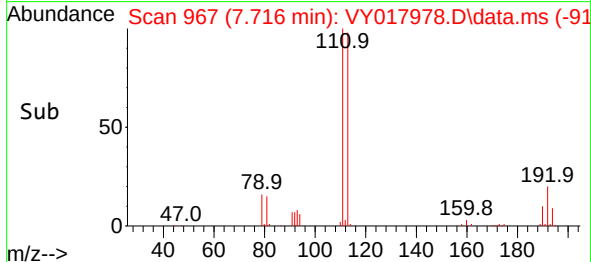
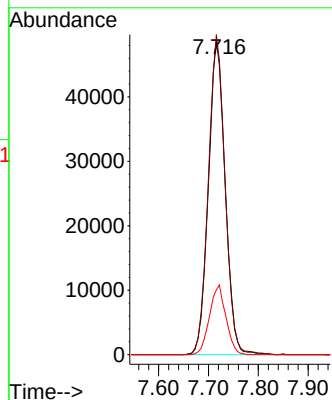
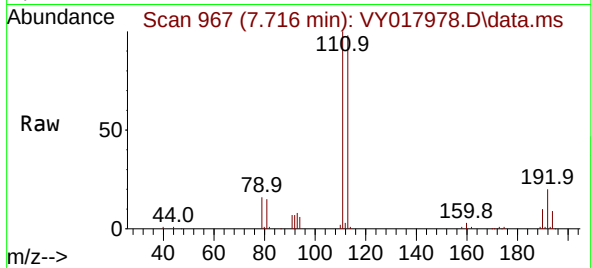




#35
Dibromofluoromethane
Concen: 52.733 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017978.D
Acq: 18 Apr 2024 16:02

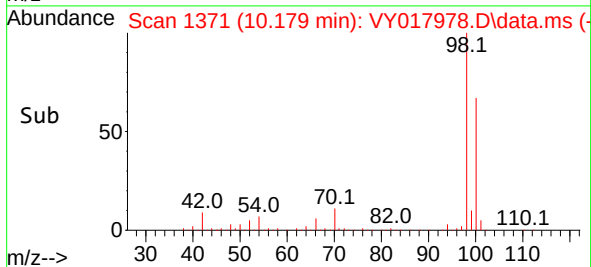
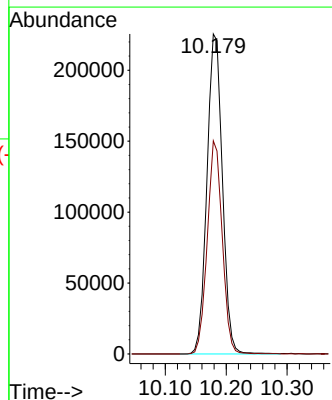
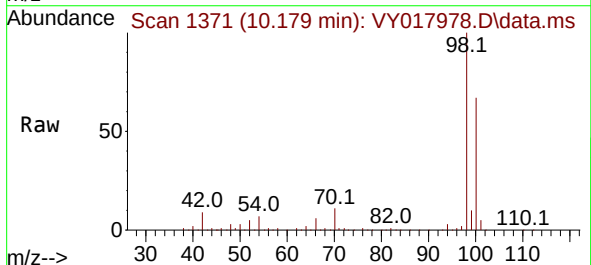
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-9

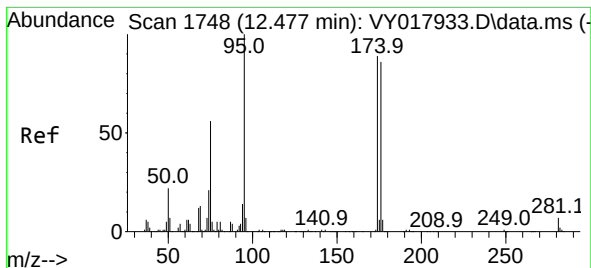
Tgt Ion:113 Resp: 113843
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.4
192 21.7 15.9 23.9



#50
Toluene-d8
Concen: 48.510 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY017978.D
Acq: 18 Apr 2024 16:02

Tgt Ion: 98 Resp: 397384
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

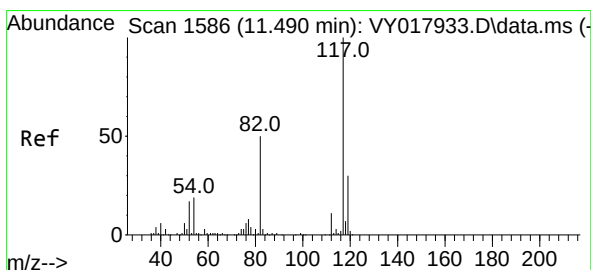
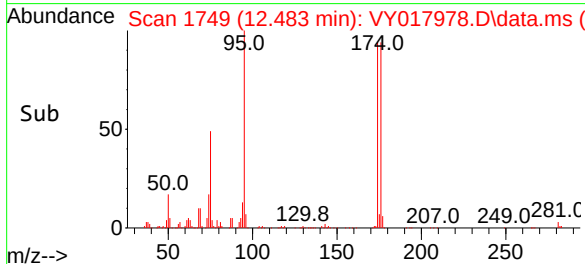
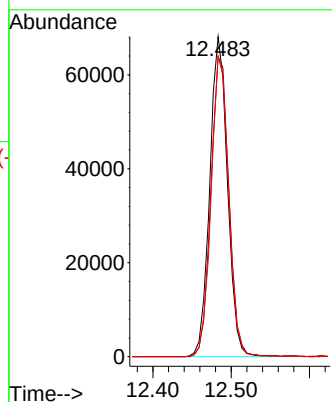
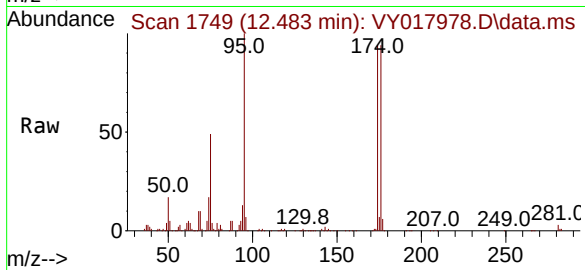




#62
4-Bromofluorobenzene
Concen: 42.182 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY017978.D
Acq: 18 Apr 2024 16:02

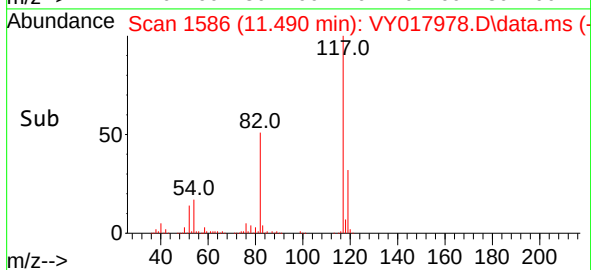
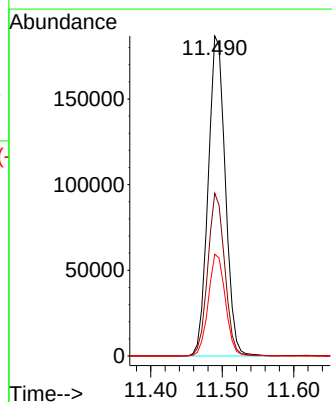
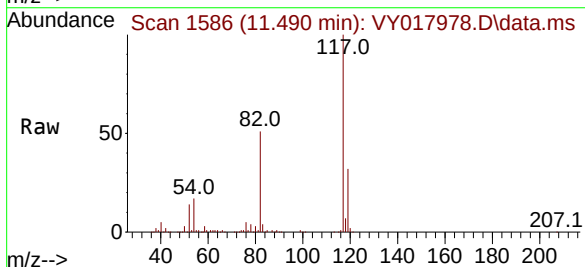
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-9

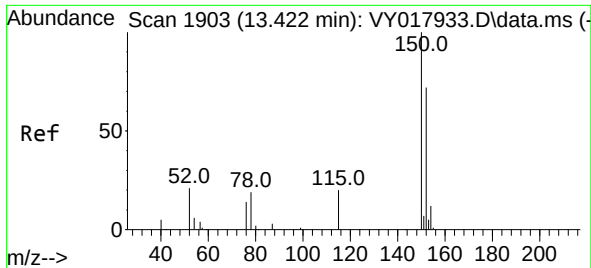
Tgt Ion: 95 Resp: 107018
Ion Ratio Lower Upper
95 100
174 95.3 0.0 175.6
176 93.4 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY017978.D
Acq: 18 Apr 2024 16:02

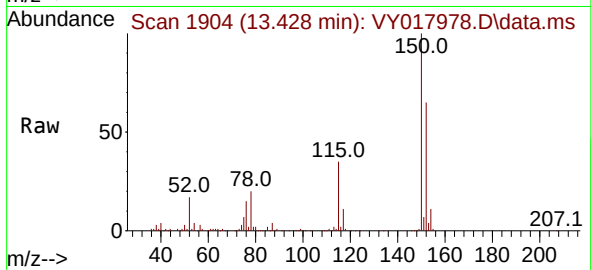
Tgt Ion: 117 Resp: 311299
Ion Ratio Lower Upper
117 100
82 50.8 42.4 63.6
119 31.8 25.9 38.9





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY017978.D
 Acq: 18 Apr 2024 16:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAB-9



Tgt Ion:152 Resp: 119017
 Ion Ratio Lower Upper
 152 100
 115 53.6 28.2 84.7
 150 157.4 0.0 345.6

