

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060823\
 Data File : VY014077.D
 Acq On : 08 Jun 2023 16:52
 Operator : KP/MD
 Sample : 03092-01
 Misc : 8.53g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1

Quant Time: Jun 09 04:22:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

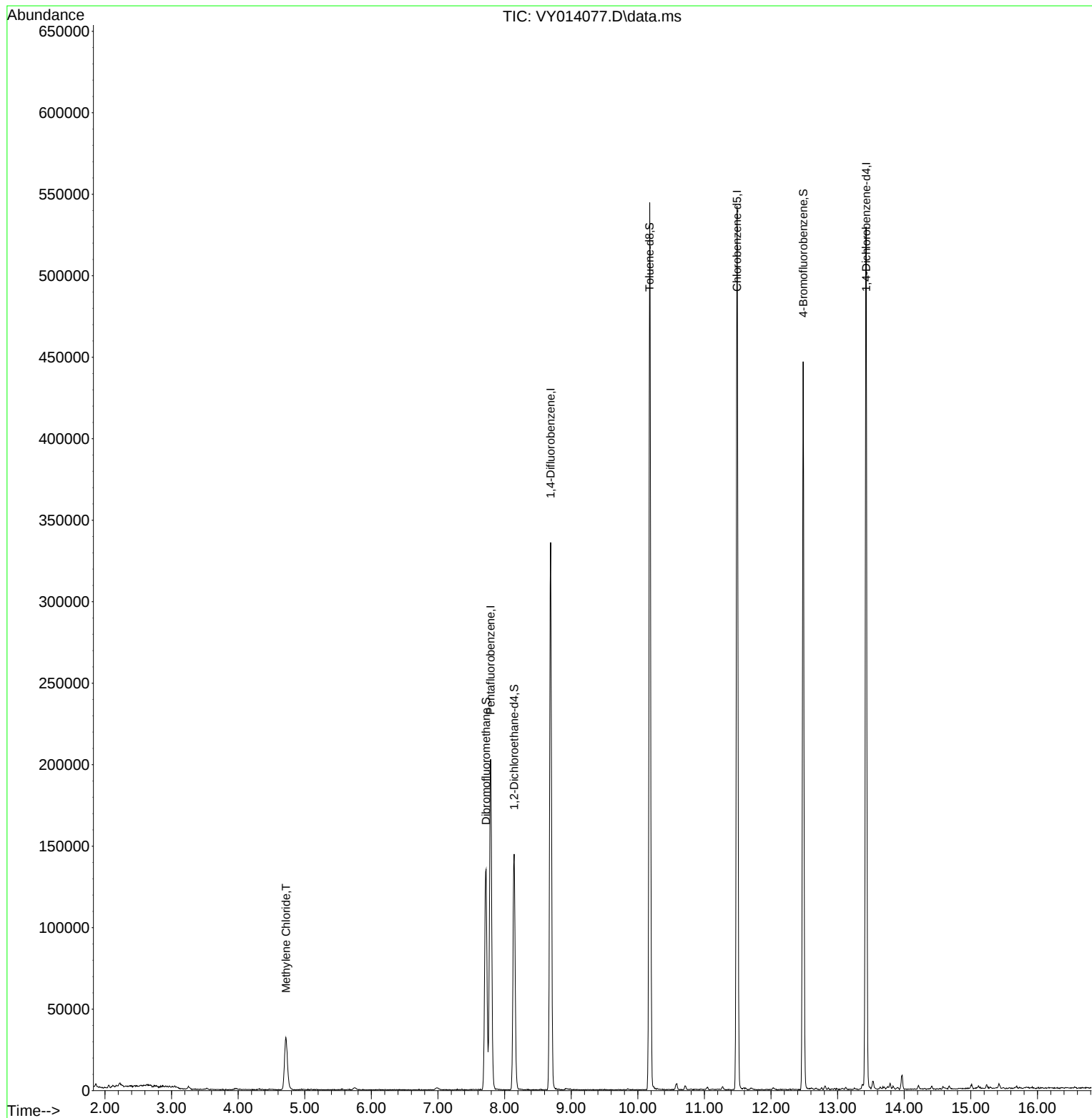
Internal Standards						
1) Pentafluorobenzene	7.789	168	160648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	277661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	290610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	122317	57.518	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.040%	
35) Dibromofluoromethane	7.722	113	94517	53.564	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.120%	
50) Toluene-d8	10.179	98	343901	51.094	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.180%	
62) 4-Bromofluorobenzene	12.483	95	119619	52.129	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.260%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.716	84	23491	8.632	ug/l	88

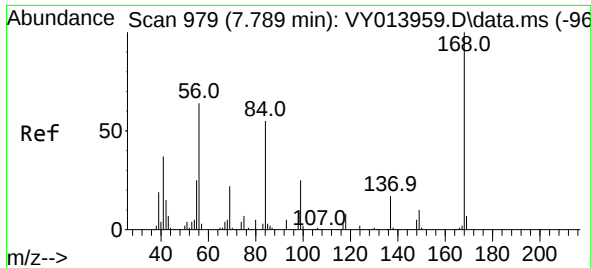
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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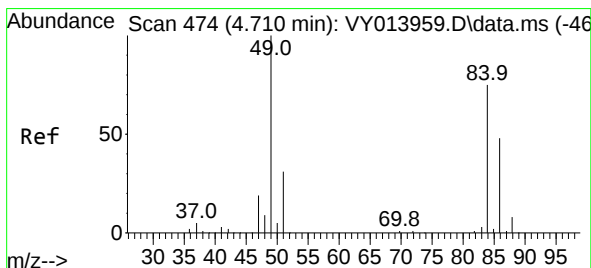
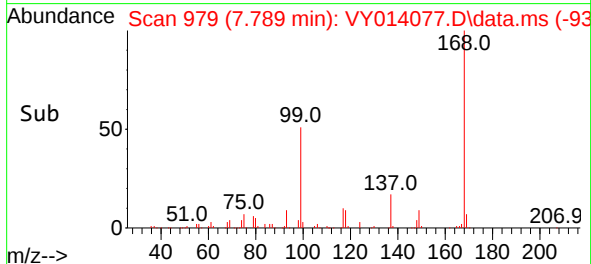
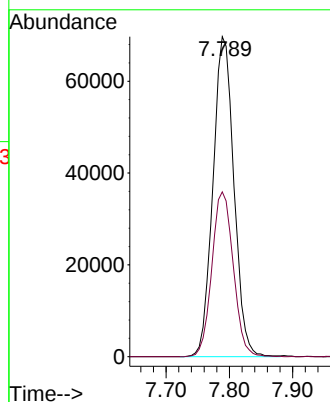
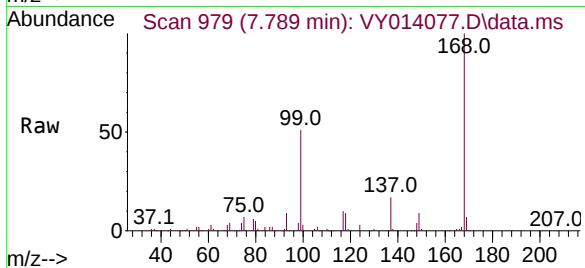




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014077.D
Acq: 08 Jun 2023 16:52

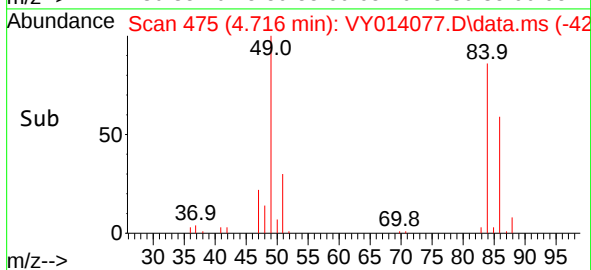
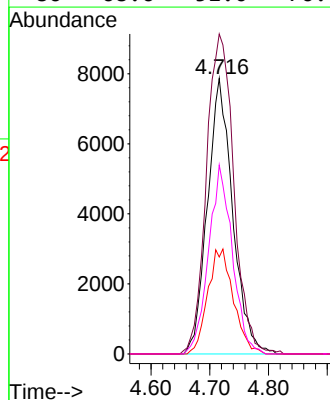
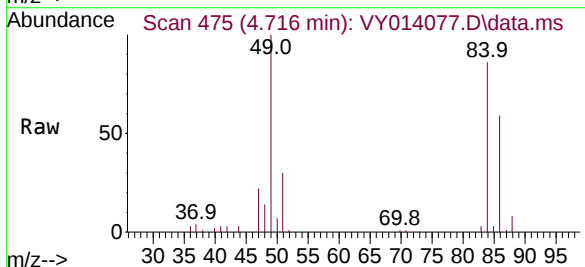
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

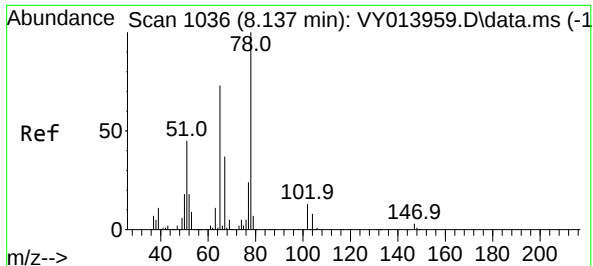
Tgt Ion:168 Resp: 160648
Ion Ratio Lower Upper
168 100
99 51.5 43.4 65.0



#20
Methylene Chloride
Concen: 8.632 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY014077.D
Acq: 08 Jun 2023 16:52

Tgt Ion: 84 Resp: 23491
Ion Ratio Lower Upper
84 100
49 116.2 106.9 160.3
51 35.2 33.2 49.8
86 68.6 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 57.518 ug/l

RT: 8.142 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014077.D

Acq: 08 Jun 2023 16:52

Instrument :

MSVOA_Y

ClientSampleId :

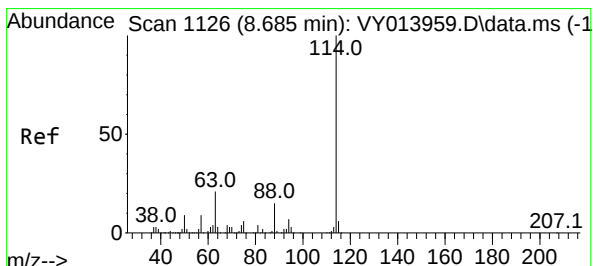
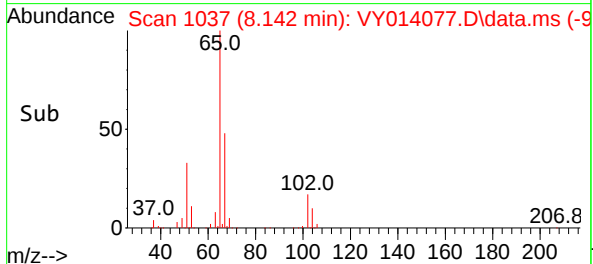
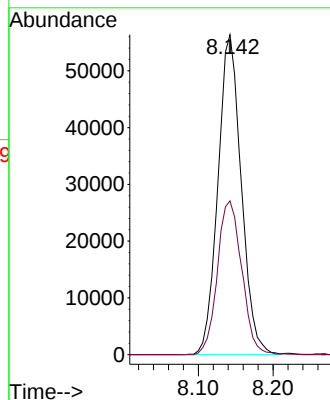
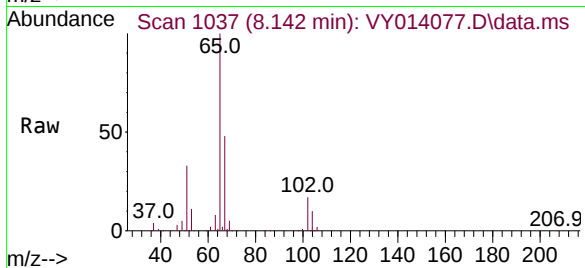
TP-1

Tgt Ion: 65 Resp: 122317

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014077.D

Acq: 08 Jun 2023 16:52

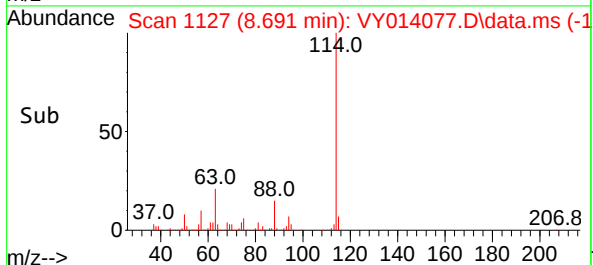
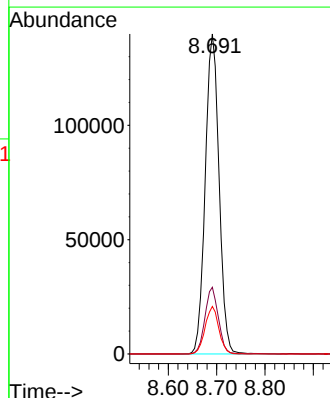
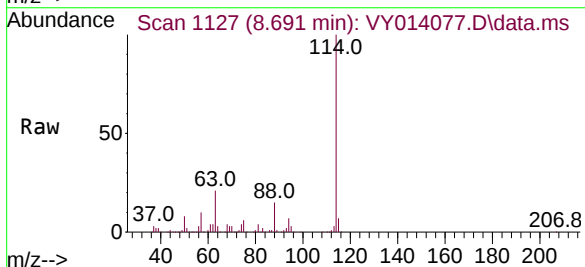
Tgt Ion: 114 Resp: 277661

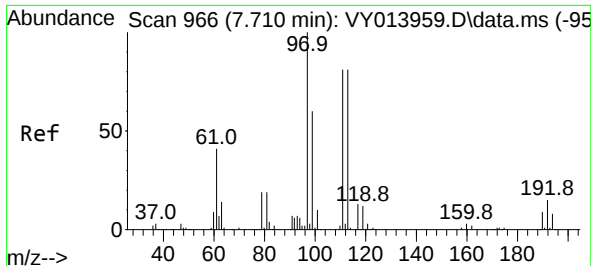
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.4

88 14.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.564 ug/l

RT: 7.722 min Scan# 9

Delta R.T. 0.012 min

Lab File: VY014077.D

Acq: 08 Jun 2023 16:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-1

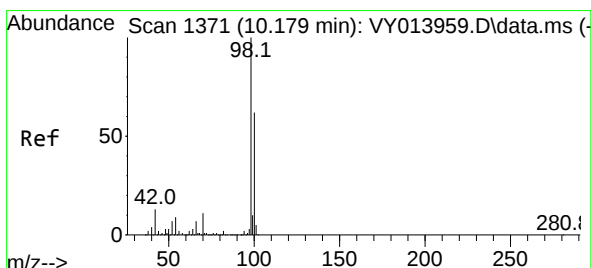
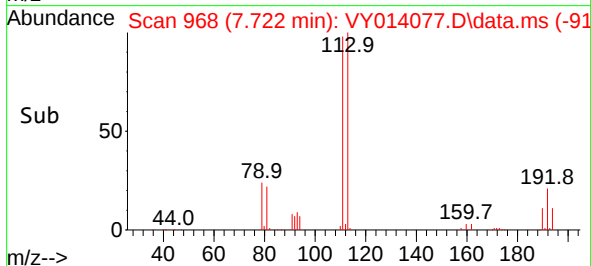
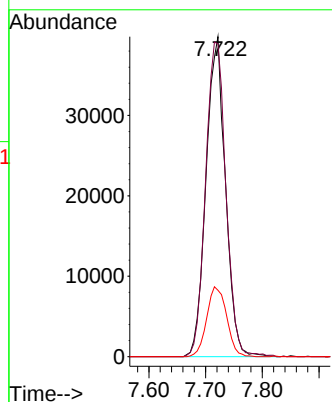
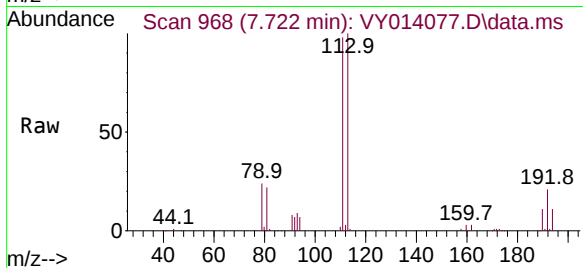
Tgt Ion:113 Resp: 94517

Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 22.5 16.9 25.3



#50

Toluene-d8

Concen: 51.094 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY014077.D

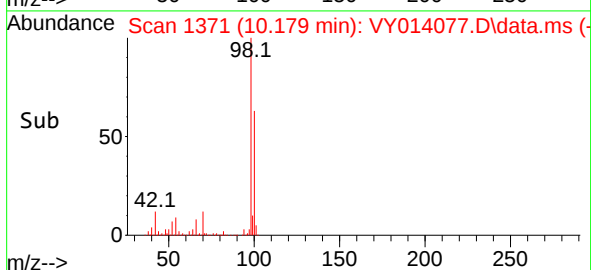
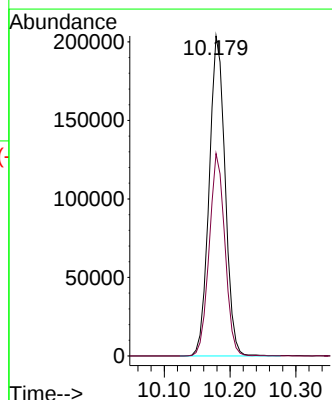
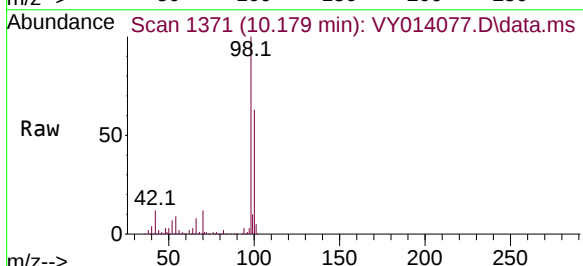
Acq: 08 Jun 2023 16:52

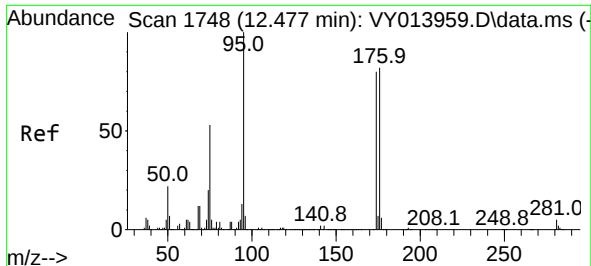
Tgt Ion: 98 Resp: 343901

Ion Ratio Lower Upper

98 100

100 62.3 50.1 75.1

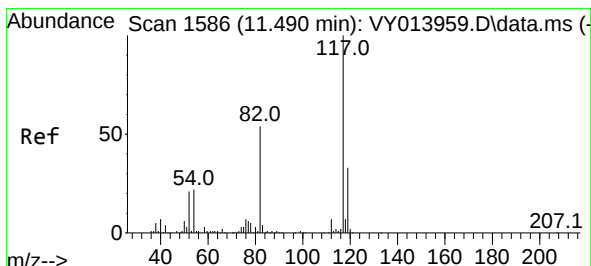
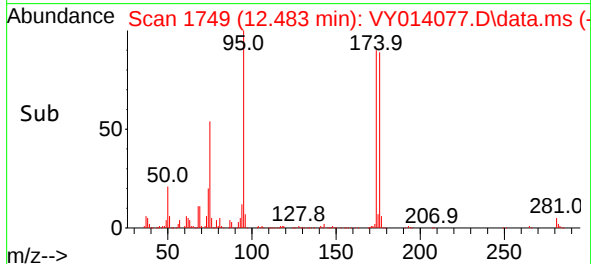
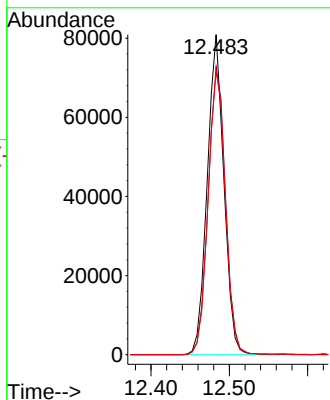
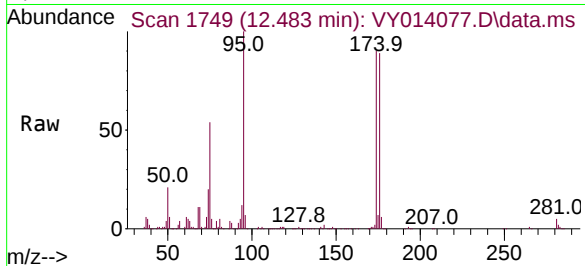




#62
4-Bromofluorobenzene
Concen: 52.129 ug/l
RT: 12.483 min Scan# 119619
Delta R.T. 0.006 min
Lab File: VY014077.D
Acq: 08 Jun 2023 16:52

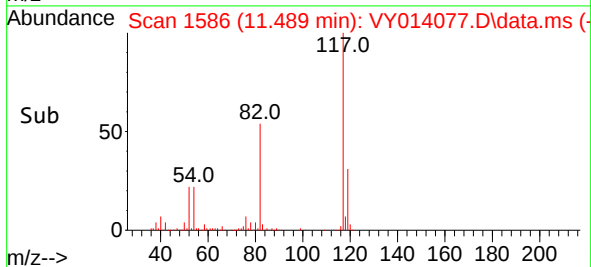
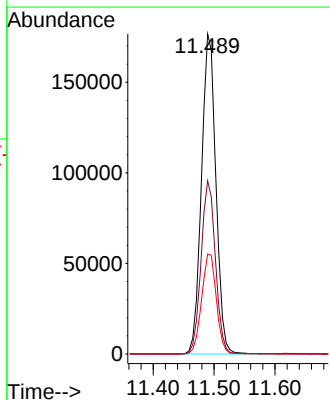
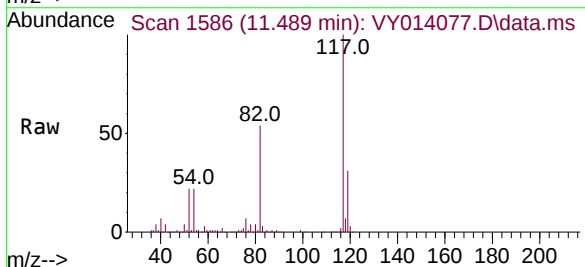
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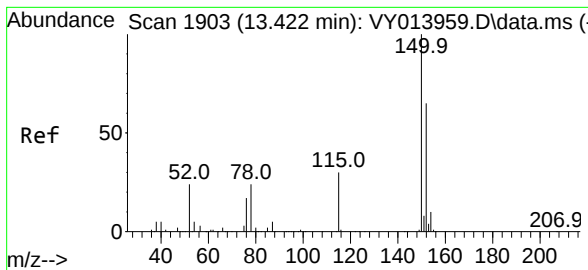
Tgt Ion: 95 Resp: 119619
Ion Ratio Lower Upper
95 100
174 93.5 0.0 178.2
176 92.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY014077.D
Acq: 08 Jun 2023 16:52

Tgt Ion: 117 Resp: 290610
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 31.2 26.3 39.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.006 min
 Lab File: VY014077.D
 Acq: 08 Jun 2023 16:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1

Tgt Ion:152 Resp: 136341
 Ion Ratio Lower Upper
 152 100
 115 56.7 28.8 86.5
 150 158.5 0.0 348.8

