

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016750.D
 Acq On : 21 Dec 2023 09:04
 Operator : SY/MD
 Sample : 05876-19
 Misc : 5.40g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COLY4

Quant Time: Dec 21 14:20:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

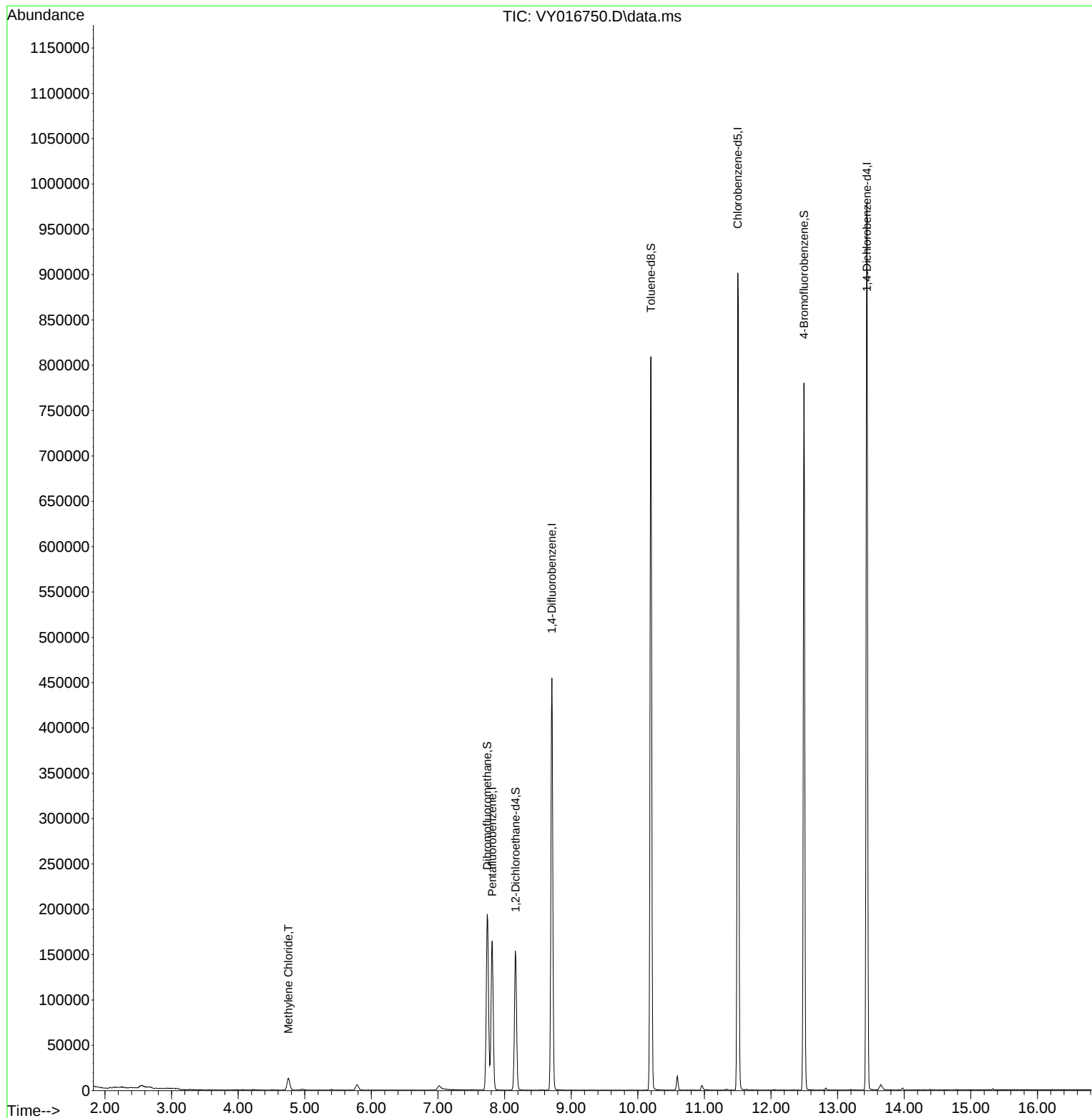
Internal Standards						
1) Pentafluorobenzene	7.813	168	124091	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.709	114	386708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	481218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	243606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	117582	103.796	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 207.600%#	
35) Dibromofluoromethane	7.740	113	142002	64.105	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 128.200%	
50) Toluene-d8	10.197	98	521299	65.281	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 130.560%	
62) 4-Bromofluorobenzene	12.495	95	237460	91.658	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 183.320%#	
Target Compounds						
20) Methylene Chloride	4.753	84	9610	3.343	ug/l	Qvalue 92

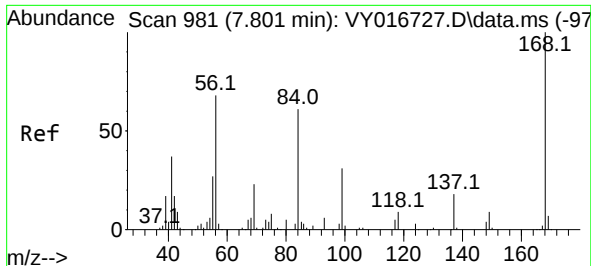
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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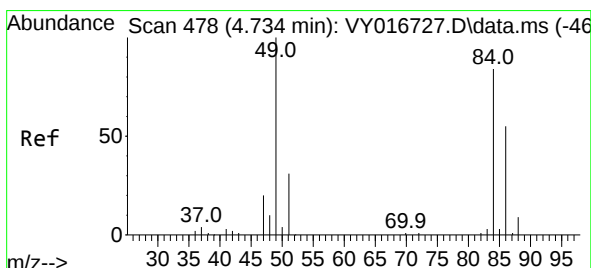
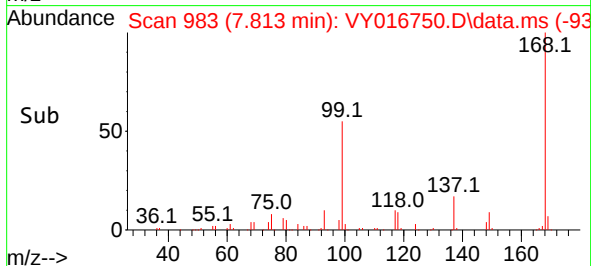
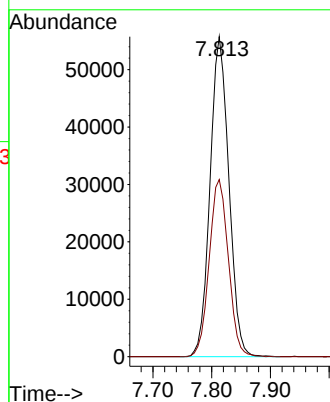
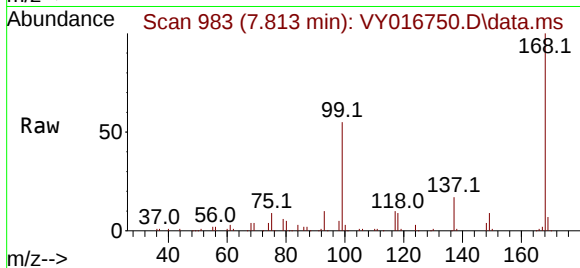




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016750.D
Acq: 21 Dec 2023 09:04

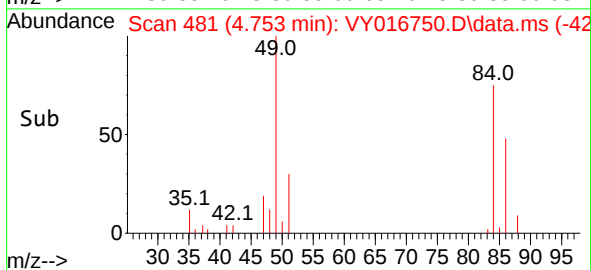
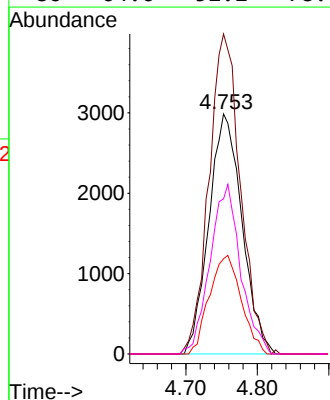
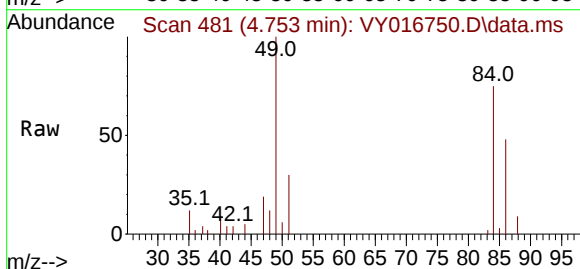
Instrument :
MSVOA_Y
ClientSampleId :
COLY4

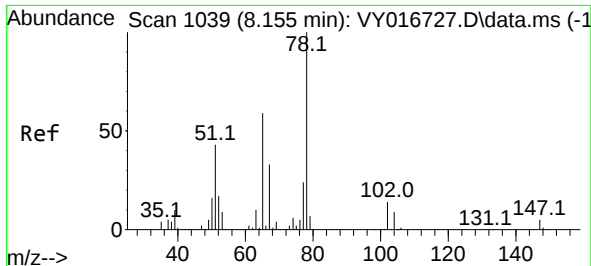
Tgt Ion:168 Resp: 124091
Ion Ratio Lower Upper
168 100
99 55.3 44.2 66.4



#20
Methylene Chloride
Concen: 3.343 ug/l
RT: 4.753 min Scan# 481
Delta R.T. 0.019 min
Lab File: VY016750.D
Acq: 21 Dec 2023 09:04

Tgt Ion: 84 Resp: 9610
Ion Ratio Lower Upper
84 100
49 133.3 95.2 142.8
51 39.7 29.9 44.9
86 64.6 52.2 78.4





#33

1,2-Dichloroethane-d4

Concen: 103.796 ug/l

RT: 8.167 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY016750.D

Acq: 21 Dec 2023 09:04

Instrument :

MSVOA_Y

ClientSampleId :

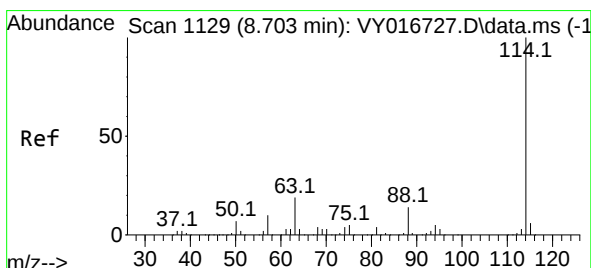
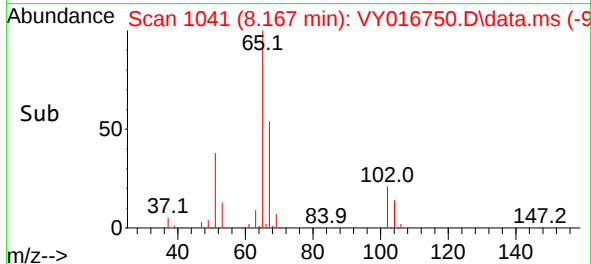
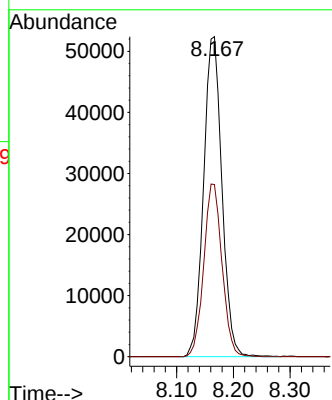
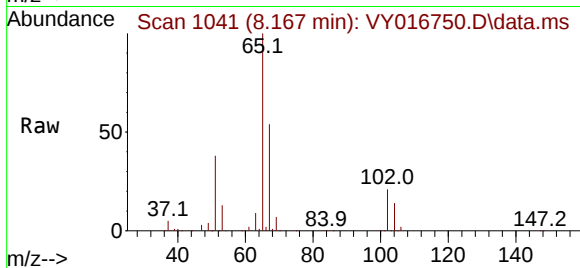
C0LY4

Tgt Ion: 65 Resp: 117582

Ion Ratio Lower Upper

65 100

67 53.8 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY016750.D

Acq: 21 Dec 2023 09:04

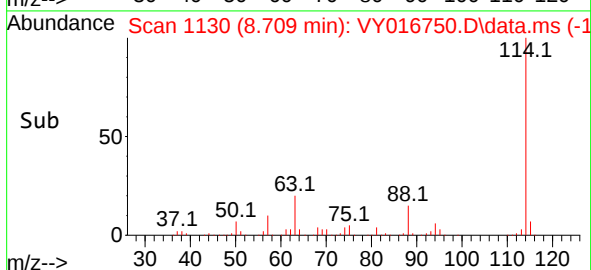
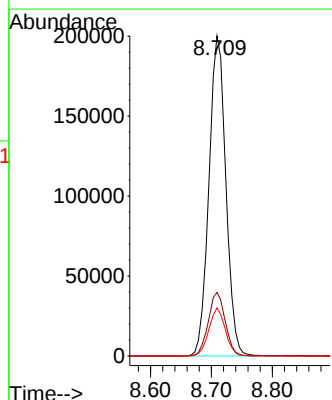
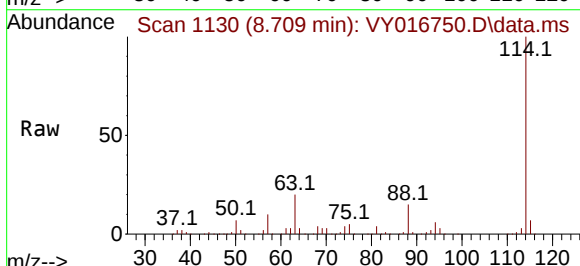
Tgt Ion: 114 Resp: 386708

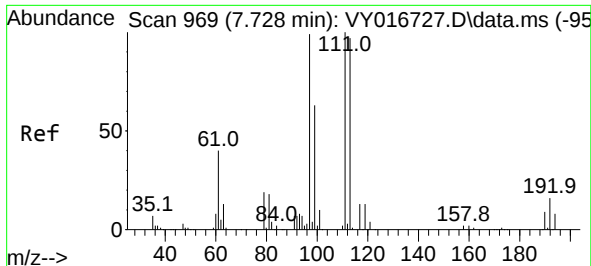
Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.4

88 15.0 0.0 29.0

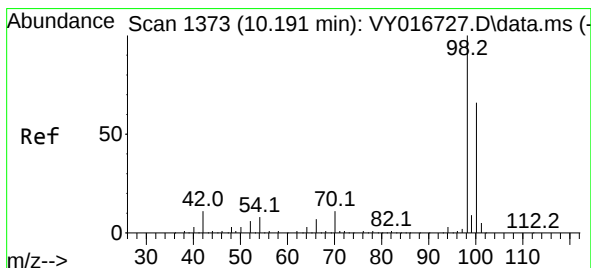
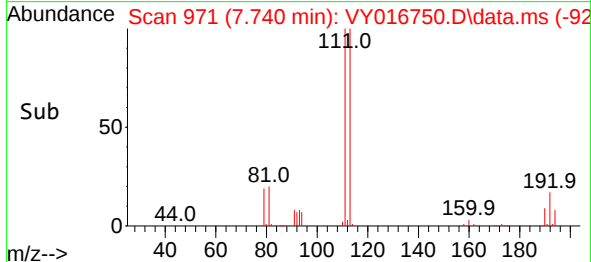
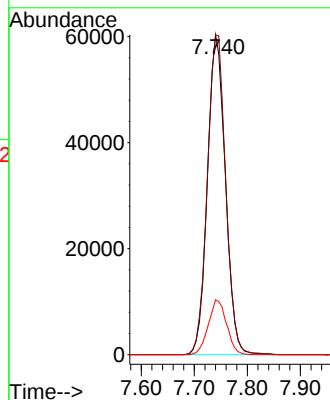
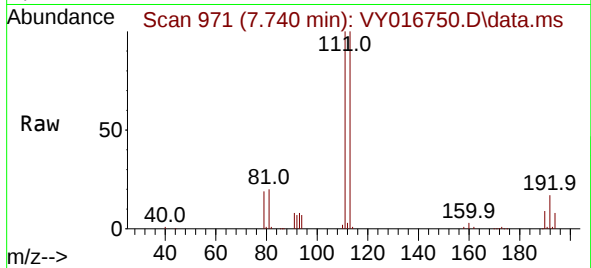




#35
Dibromofluoromethane
Concen: 64.105 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016750.D
Acq: 21 Dec 2023 09:04

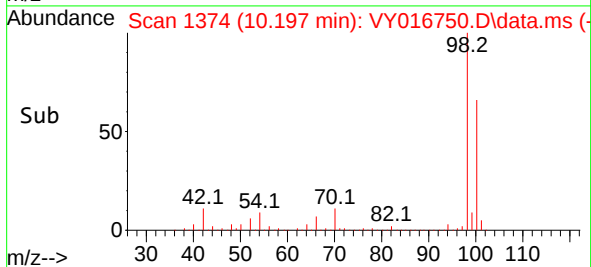
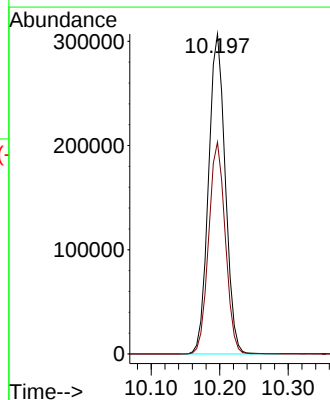
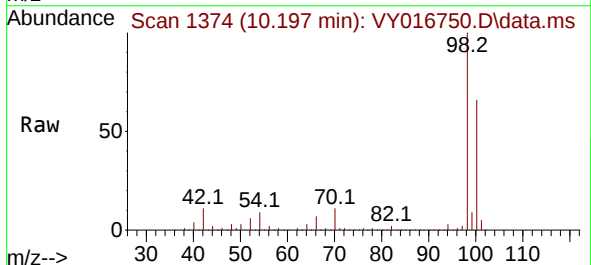
Instrument :
MSVOA_Y
ClientSampleId :
COLY4

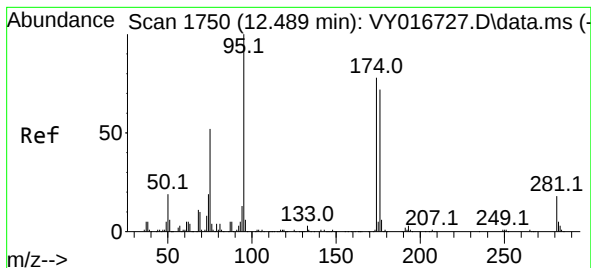
Tgt Ion:113 Resp: 142002
Ion Ratio Lower Upper
113 100
111 102.3 83.8 125.6
192 17.5 14.5 21.7



#50
Toluene-d8
Concen: 65.281 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.006 min
Lab File: VY016750.D
Acq: 21 Dec 2023 09:04

Tgt Ion: 98 Resp: 521299
Ion Ratio Lower Upper
98 100
100 65.8 52.3 78.5

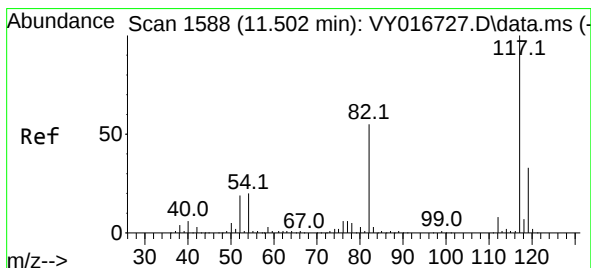
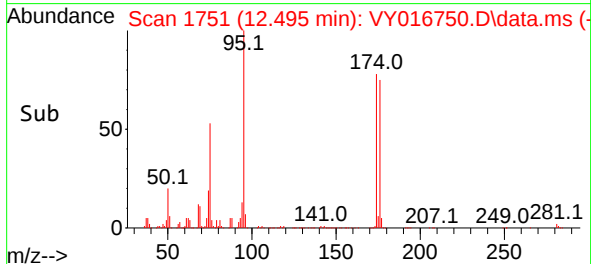
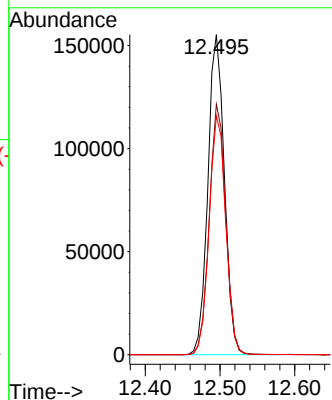
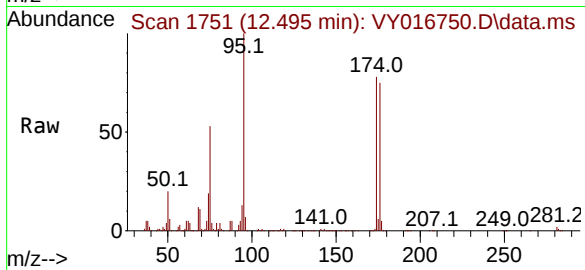




#62
4-Bromofluorobenzene
Concen: 91.658 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016750.D
Acq: 21 Dec 2023 09:04

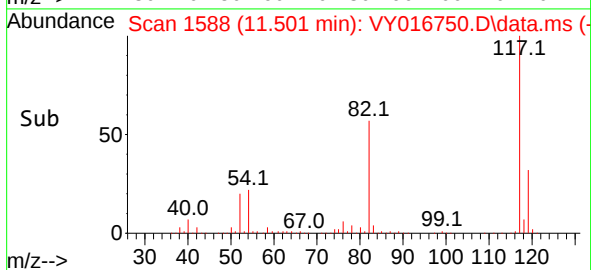
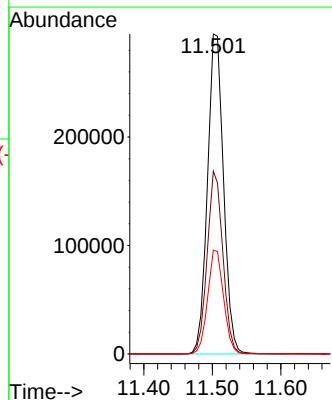
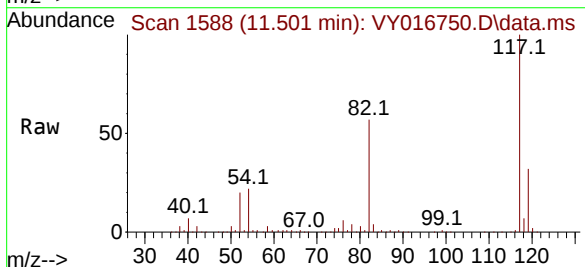
Instrument :
MSVOA_Y
ClientSampleId :
COLY4

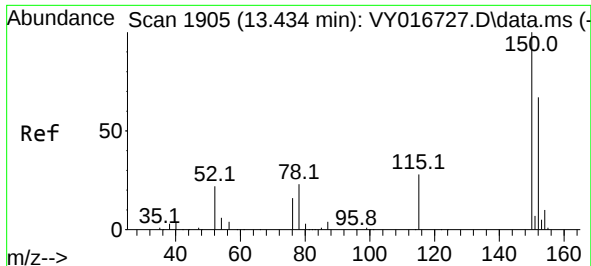
Tgt Ion: 95 Resp: 237460
Ion Ratio Lower Upper
95 100
174 78.2 0.0 160.0
176 75.4 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.501 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016750.D
Acq: 21 Dec 2023 09:04

Tgt Ion: 117 Resp: 481218
Ion Ratio Lower Upper
117 100
82 57.1 43.8 65.8
119 32.4 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY016750.D

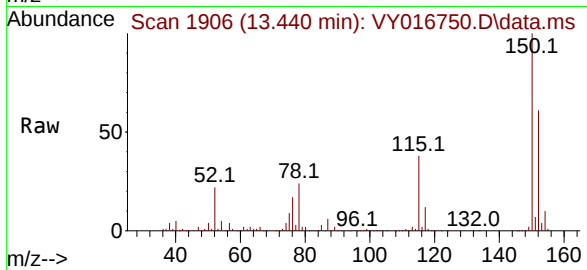
Acq: 21 Dec 2023 09:04

Instrument :

MSVOA_Y

ClientSampleId :

C0LY4



Tgt Ion:152 Resp: 243606

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.0

150 157.8 0.0 344.6

