

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016743.D
 Acq On : 21 Dec 2023 06:21
 Operator : SY/MD
 Sample : 05876-12
 Misc : 1.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COLX6

Quant Time: Dec 21 07:12:30 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)

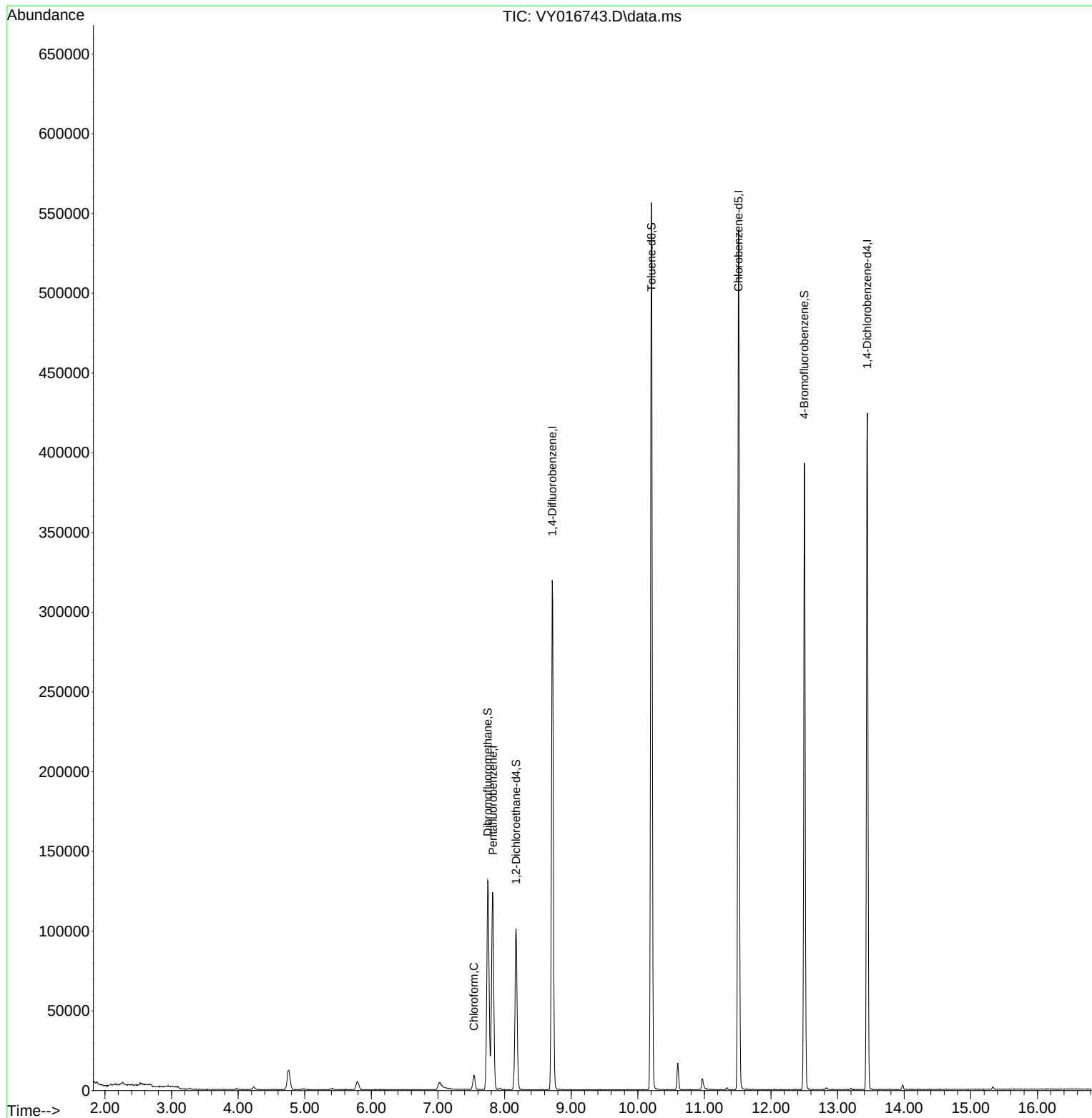
Internal Standards						
1) Pentafluorobenzene	7.826	168	94357	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	272212	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	292372	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	108712	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	76161	88.418	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 176.840%#	
35) Dibromofluoromethane	7.746	113	95825	61.454	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.900%	
50) Toluene-d8	10.203	98	356266	63.380	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 126.760%	
62) 4-Bromofluorobenzene	12.502	95	117949	64.677	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 129.360%	
Target Compounds						
					Qvalue	
30) Chloroform	7.539	83	8642	4.553	ug/l	94

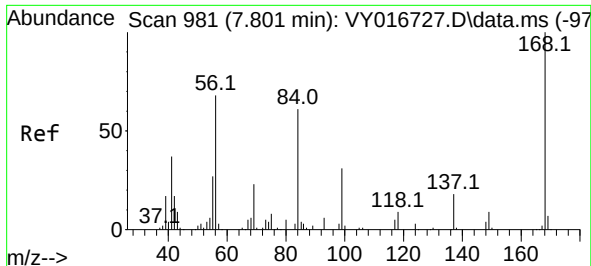
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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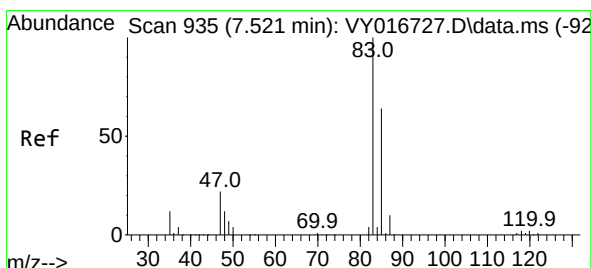
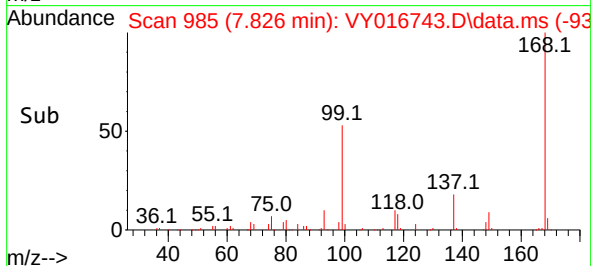
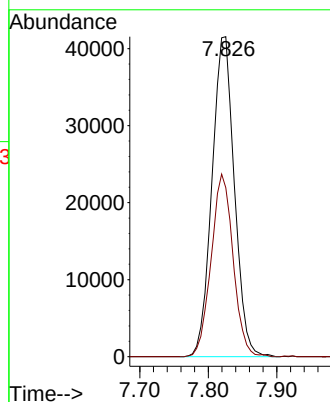
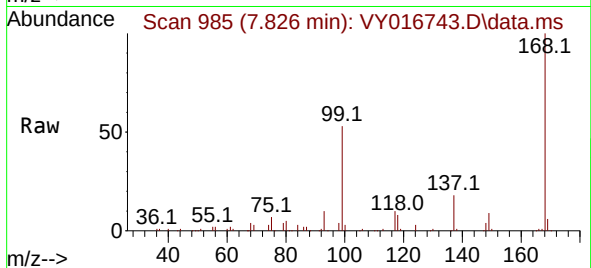




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.826 min Scan# 91
Delta R.T. 0.025 min
Lab File: VY016743.D
Acq: 21 Dec 2023 06:21

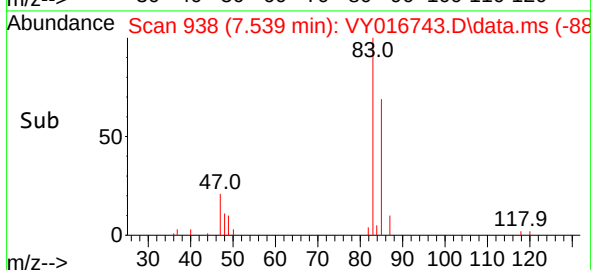
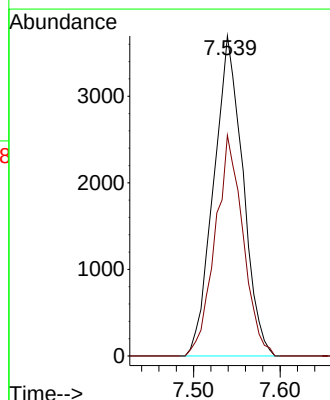
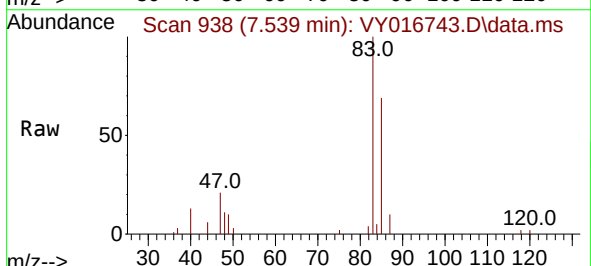
Instrument :
MSVOA_Y
ClientSampleId :
COLX6

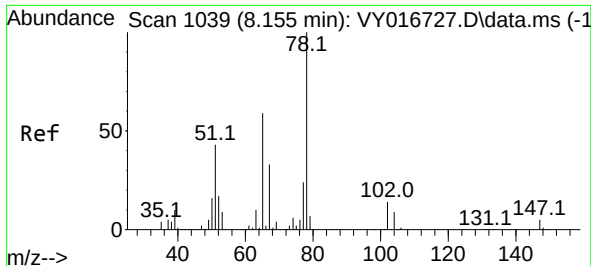
Tgt Ion:168 Resp: 94357
Ion Ratio Lower Upper
168 100
99 52.8 44.2 66.4



#30
Chloroform
Concen: 4.553 ug/l
RT: 7.539 min Scan# 938
Delta R.T. 0.019 min
Lab File: VY016743.D
Acq: 21 Dec 2023 06:21

Tgt Ion: 83 Resp: 8642
Ion Ratio Lower Upper
83 100
85 69.0 51.2 76.8





#33

1,2-Dichloroethane-d4

Concen: 88.418 ug/l

RT: 8.173 min Scan# 110

Delta R.T. 0.019 min

Lab File: VY016743.D

Acq: 21 Dec 2023 06:21

Instrument :

MSVOA_Y

ClientSampleId :

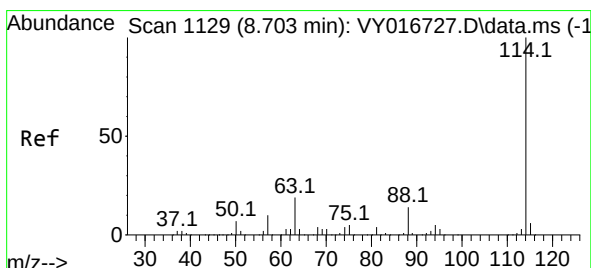
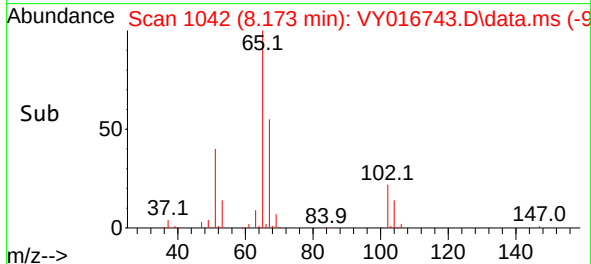
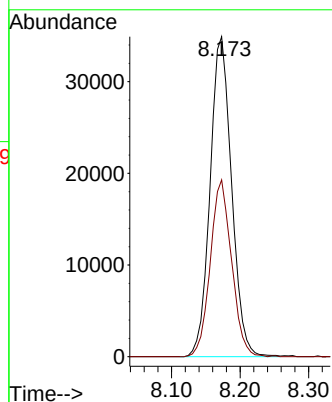
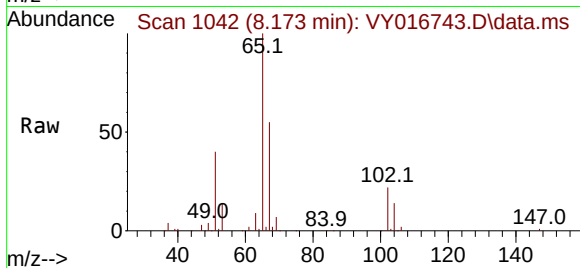
COLX6

Tgt Ion: 65 Resp: 76161

Ion Ratio Lower Upper

65 100

67 54.6 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1131

Delta R.T. 0.013 min

Lab File: VY016743.D

Acq: 21 Dec 2023 06:21

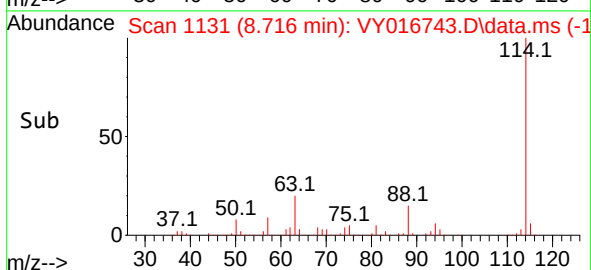
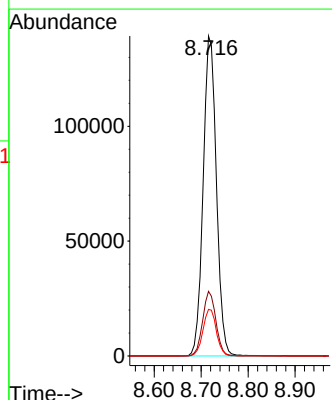
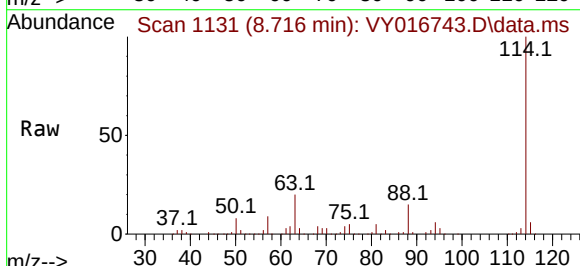
Tgt Ion: 114 Resp: 272212

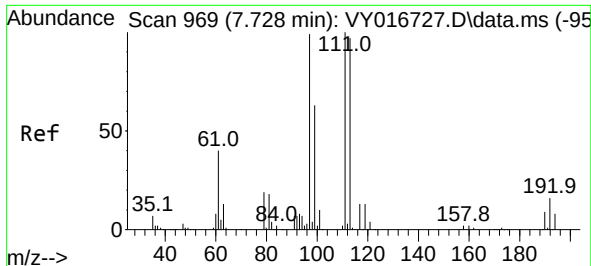
Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

88 14.6 0.0 29.0

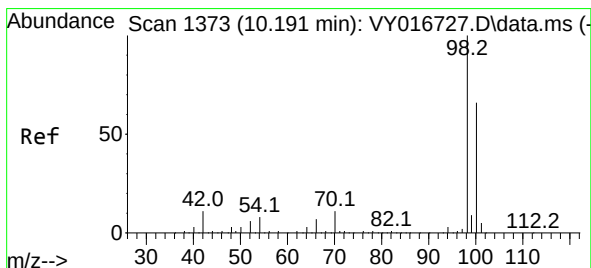
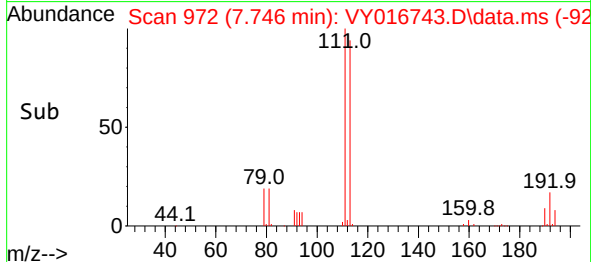
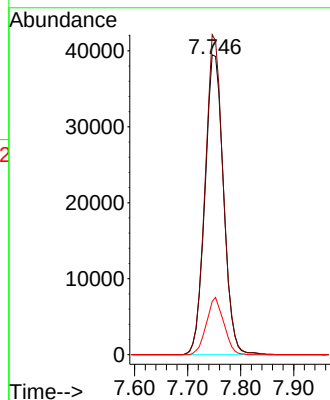
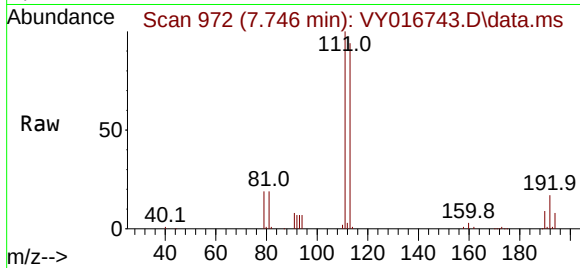




#35
Dibromofluoromethane
Concen: 61.454 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.019 min
Lab File: VY016743.D
Acq: 21 Dec 2023 06:21

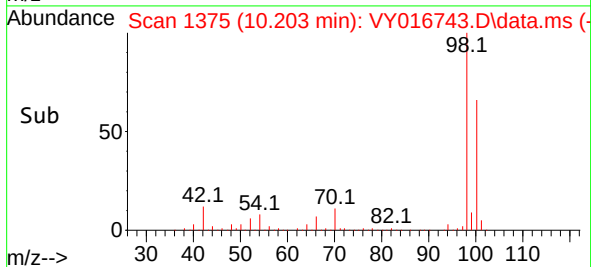
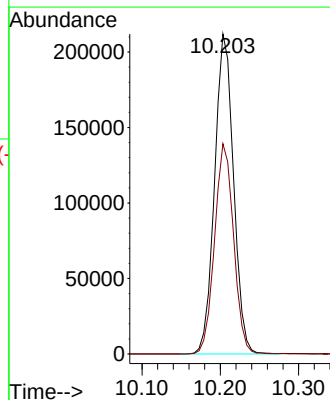
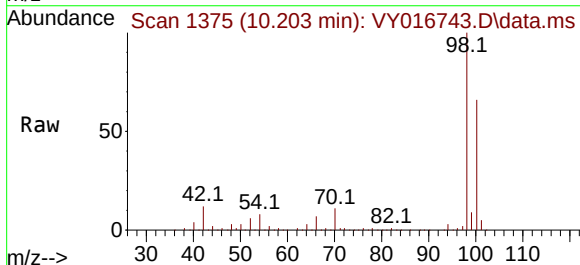
Instrument :
MSVOA_Y
ClientSampleId :
COLX6

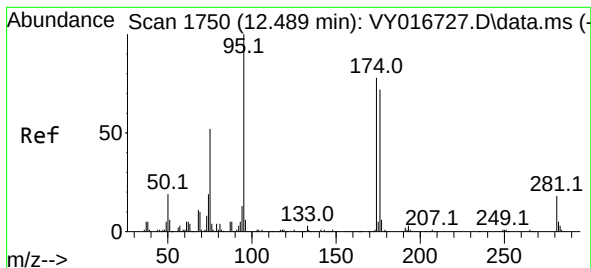
Tgt Ion:113 Resp: 95825
Ion Ratio Lower Upper
113 100
111 103.5 83.8 125.6
192 17.9 14.5 21.7



#50
Toluene-d8
Concen: 63.380 ug/l
RT: 10.203 min Scan# 1375
Delta R.T. 0.012 min
Lab File: VY016743.D
Acq: 21 Dec 2023 06:21

Tgt Ion: 98 Resp: 356266
Ion Ratio Lower Upper
98 100
100 66.0 52.3 78.5

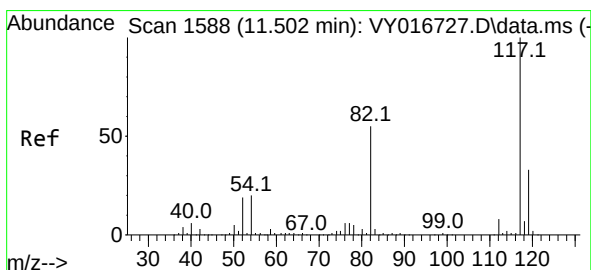
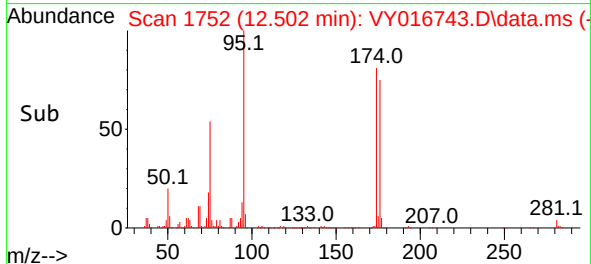
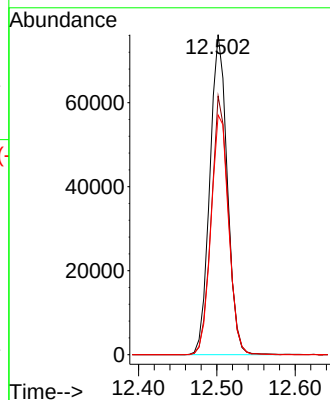
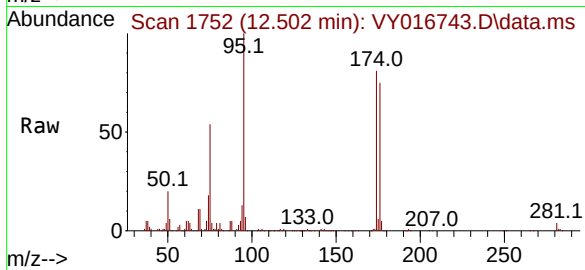




#62
4-Bromofluorobenzene
Concen: 64.677 ug/l
RT: 12.502 min Scan# 117949
Delta R.T. 0.012 min
Lab File: VY016743.D
Acq: 21 Dec 2023 06:21

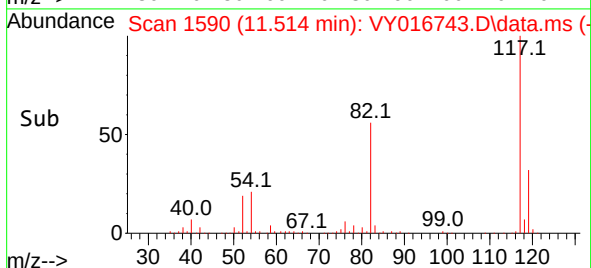
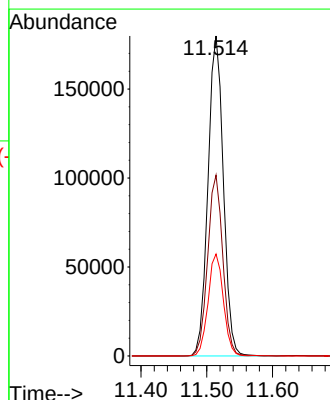
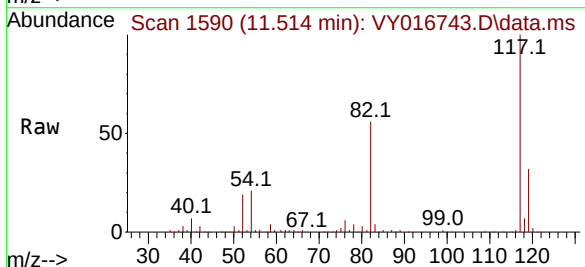
Instrument :
MSVOA_Y
ClientSampleId :
COLX6

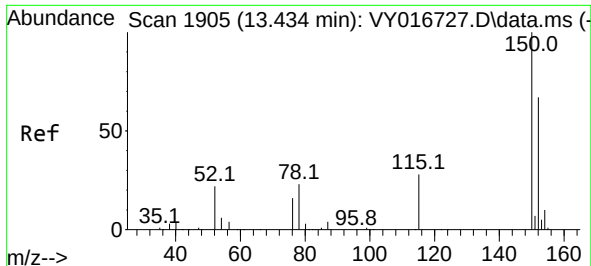
Tgt Ion: 95 Resp: 117949
Ion Ratio Lower Upper
95 100
174 79.2 0.0 160.0
176 76.0 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.012 min
Lab File: VY016743.D
Acq: 21 Dec 2023 06:21

Tgt Ion: 117 Resp: 292372
Ion Ratio Lower Upper
117 100
82 56.5 43.8 65.8
119 31.8 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.012 min

Lab File: VY016743.D

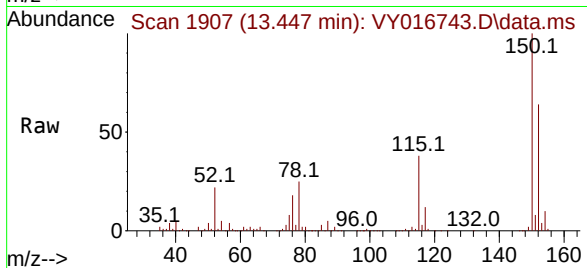
Acq: 21 Dec 2023 06:21

Instrument :

MSVOA_Y

ClientSampleId :

COLX6



Tgt Ion:152 Resp: 108712

Ion Ratio Lower Upper

152 100

115 60.2 30.0 90.0

150 158.7 0.0 344.6

