

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016741.D
 Acq On : 21 Dec 2023 05:34
 Operator : SY/MD
 Sample : 05876-10
 Misc : 3.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COLX4

Quant Time: Dec 21 07:11:42 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)

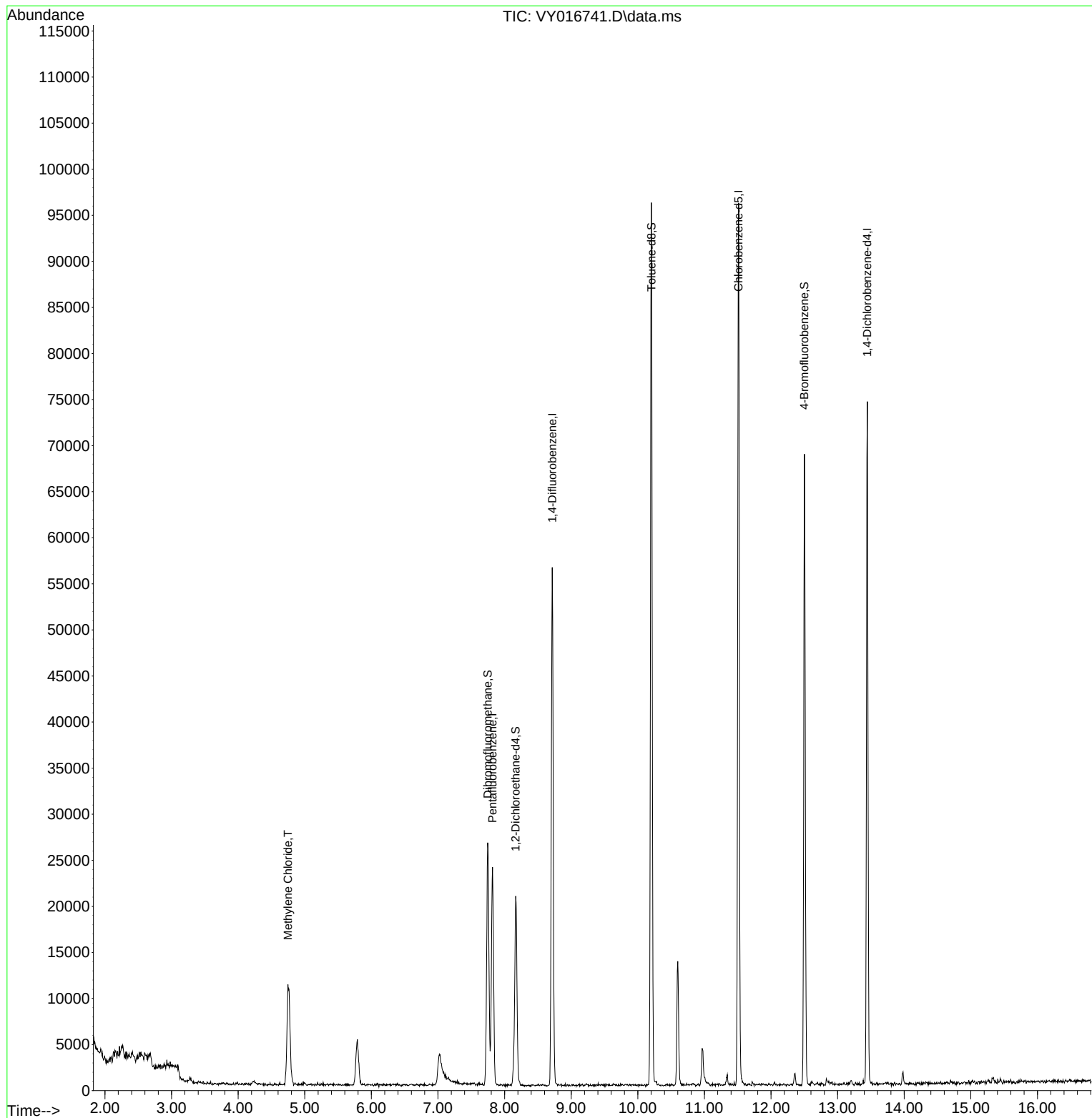
Internal Standards						
1) Pentafluorobenzene	7.819	168	18032	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	48831	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	55118	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	18728	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	15970	97.015	ug/l	0.01
Spiked Amount	50.000	Range 50 - 163	Recovery	=	194.040%	#
35) Dibromofluoromethane	7.746	113	19403	69.367	ug/l	0.02
Spiked Amount	50.000	Range 54 - 147	Recovery	=	138.740%	
50) Toluene-d8	10.203	98	63926	63.397	ug/l	0.01
Spiked Amount	50.000	Range 58 - 134	Recovery	=	126.800%	
62) 4-Bromofluorobenzene	12.501	95	19944	60.965	ug/l	0.01
Spiked Amount	50.000	Range 30 - 143	Recovery	=	121.940%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.747	84	8499	36.572	ug/l	91

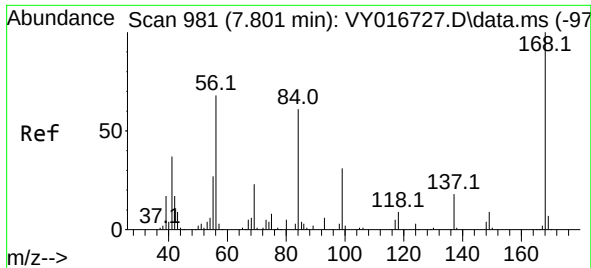
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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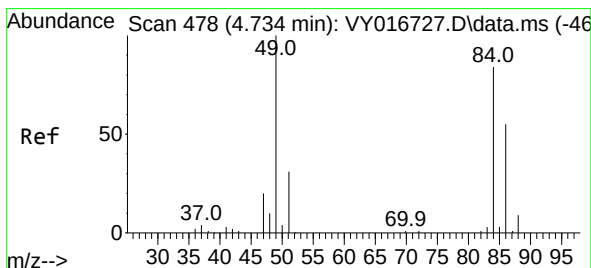
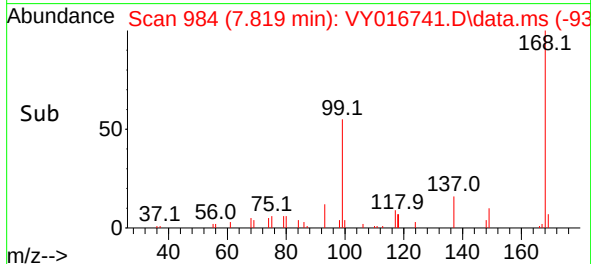
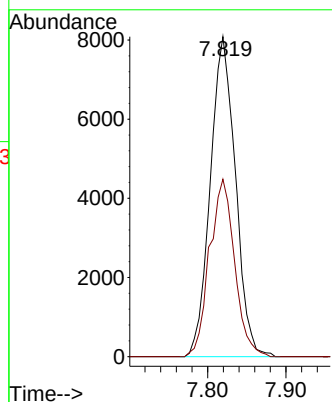
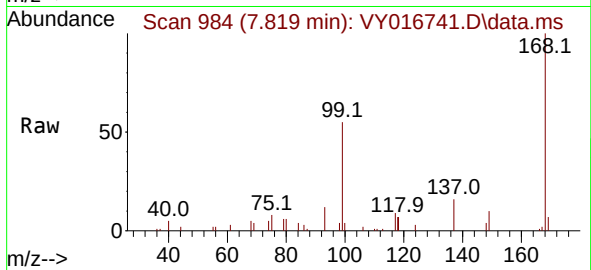




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY016741.D
Acq: 21 Dec 2023 05:34

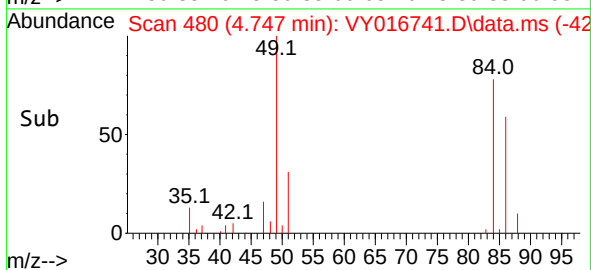
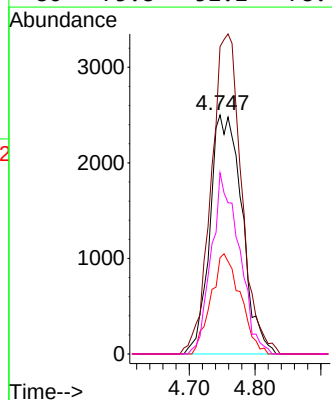
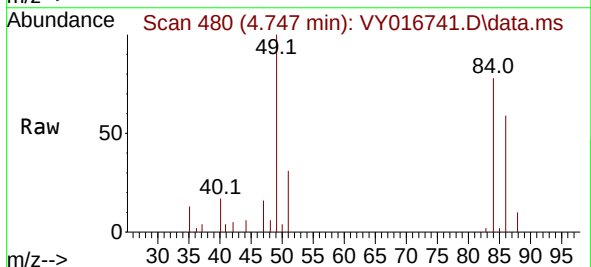
Instrument :
MSVOA_Y
ClientSampleId :
COLX4

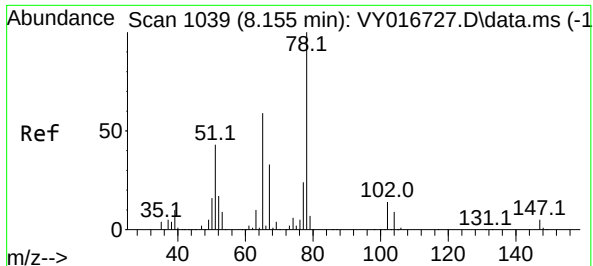
Tgt Ion:168 Resp: 18032
Ion Ratio Lower Upper
168 100
99 55.4 44.2 66.4



#20
Methylene Chloride
Concen: 36.572 ug/l
RT: 4.747 min Scan# 480
Delta R.T. 0.013 min
Lab File: VY016741.D
Acq: 21 Dec 2023 05:34

Tgt Ion: 84 Resp: 8499
Ion Ratio Lower Upper
84 100
49 128.6 95.2 142.8
51 40.3 29.9 44.9
86 75.8 52.2 78.4





#33

1,2-Dichloroethane-d4

Concen: 97.015 ug/l

RT: 8.167 min Scan# 1103

Delta R.T. 0.012 min

Lab File: VY016741.D

Acq: 21 Dec 2023 05:34

Instrument :

MSVOA_Y

ClientSampleId :

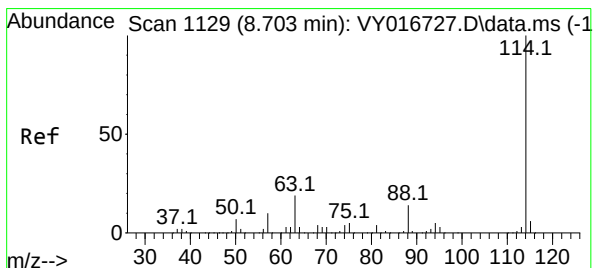
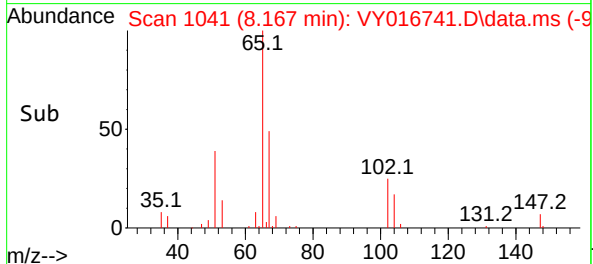
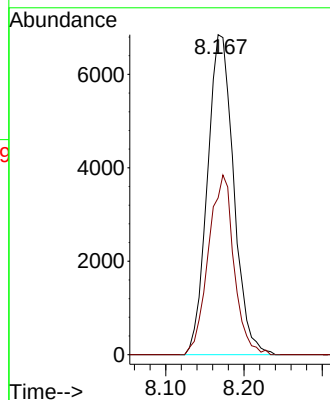
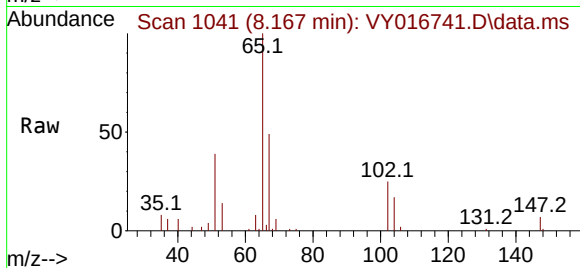
COLX4

Tgt Ion: 65 Resp: 15970

Ion Ratio Lower Upper

65 100

67 54.7 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: VY016741.D

Acq: 21 Dec 2023 05:34

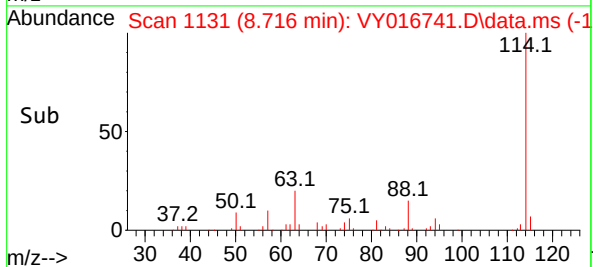
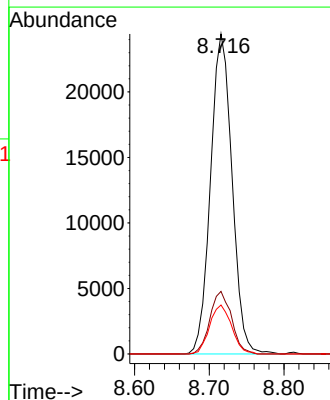
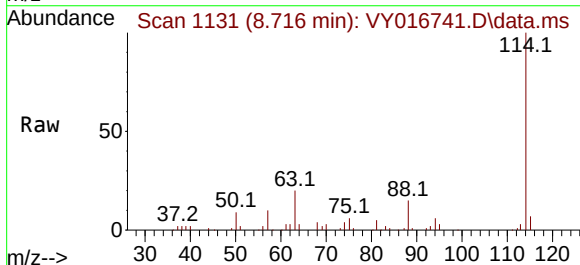
Tgt Ion: 114 Resp: 48831

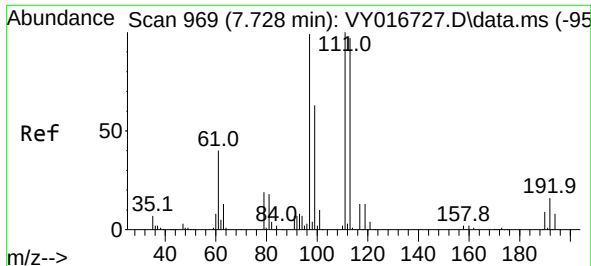
Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.4

88 15.3 0.0 29.0

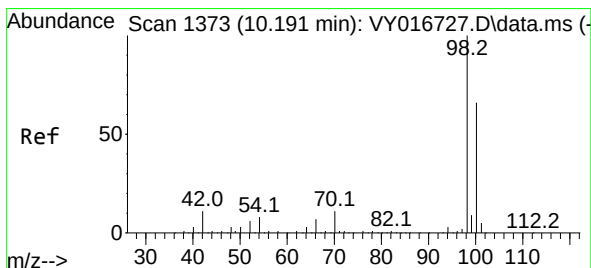
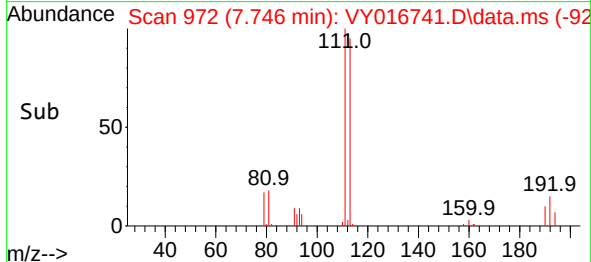
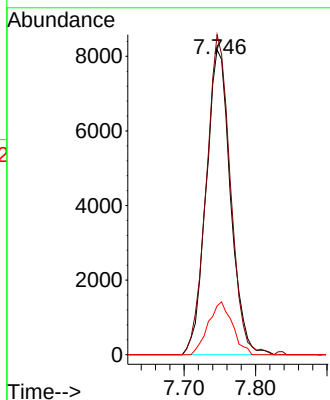
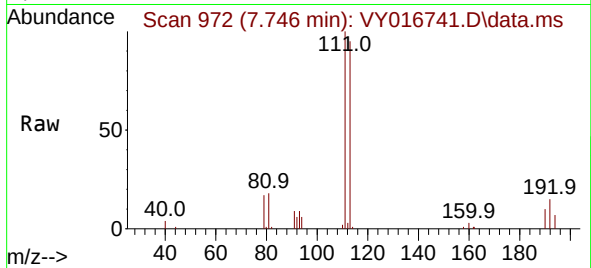




#35
Dibromofluoromethane
Concen: 69.367 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016741.D
Acq: 21 Dec 2023 05:34

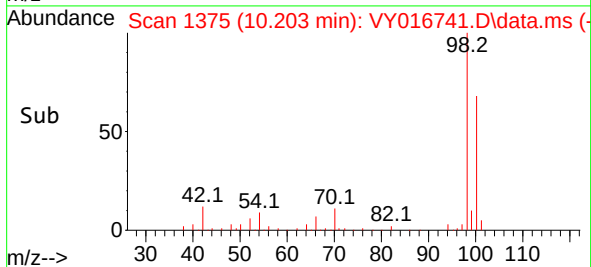
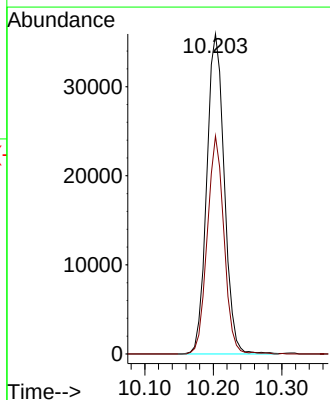
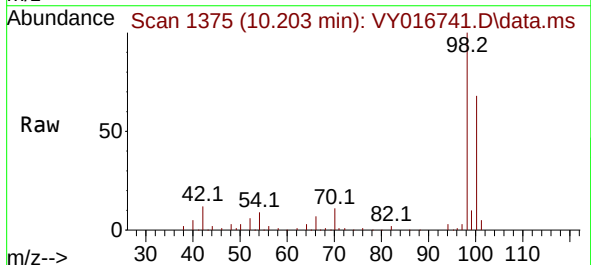
Instrument :
MSVOA_Y
ClientSampleId :
COLX4

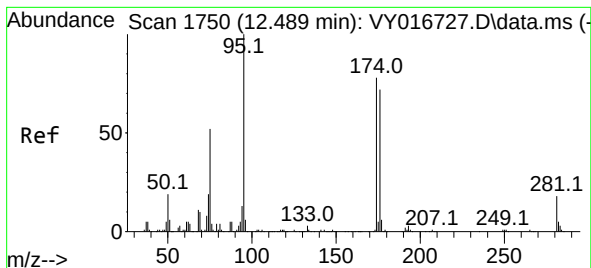
Tgt Ion:113 Resp: 19403
Ion Ratio Lower Upper
113 100
111 103.0 83.8 125.6
192 17.1 14.5 21.7



#50
Toluene-d8
Concen: 63.397 ug/l
RT: 10.203 min Scan# 1375
Delta R.T. 0.012 min
Lab File: VY016741.D
Acq: 21 Dec 2023 05:34

Tgt Ion: 98 Resp: 63926
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5

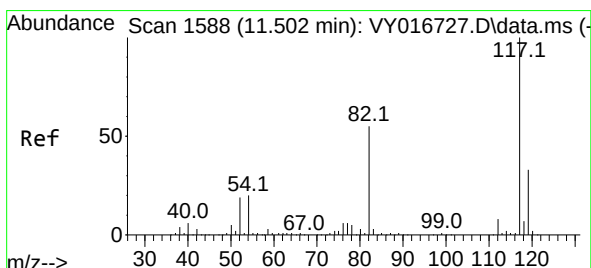
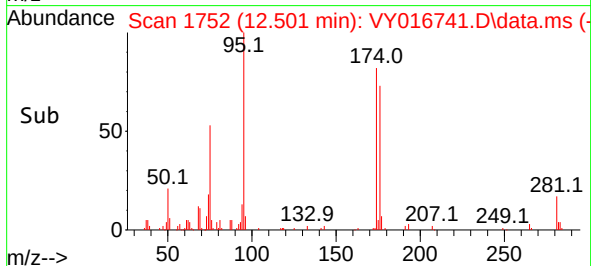
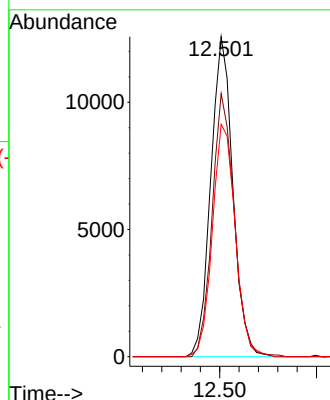
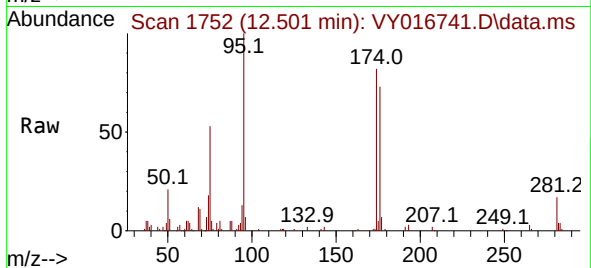




#62
4-Bromofluorobenzene
Concen: 60.965 ug/l
RT: 12.501 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016741.D
Acq: 21 Dec 2023 05:34

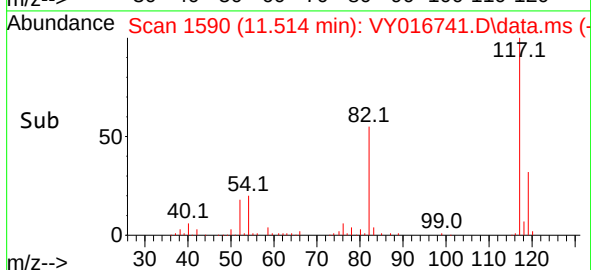
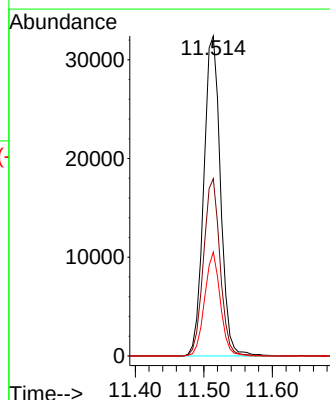
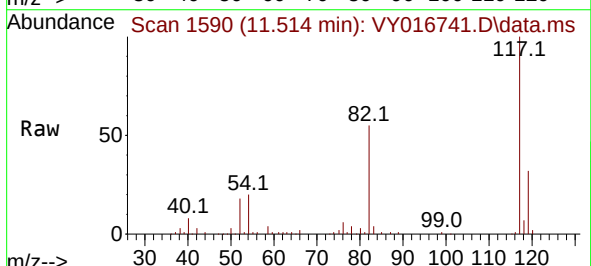
Instrument :
MSVOA_Y
ClientSampleId :
COLX4

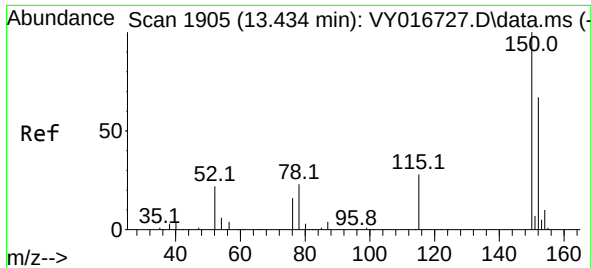
Tgt Ion: 95 Resp: 19944
Ion Ratio Lower Upper
95 100
174 81.4 0.0 160.0
176 75.3 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.012 min
Lab File: VY016741.D
Acq: 21 Dec 2023 05:34

Tgt Ion: 117 Resp: 55118
Ion Ratio Lower Upper
117 100
82 55.4 43.8 65.8
119 32.5 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.012 min

Lab File: VY016741.D

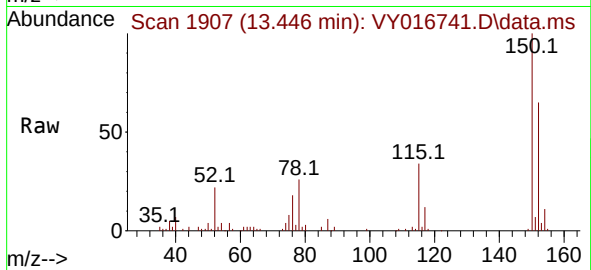
Acq: 21 Dec 2023 05:34

Instrument :

MSVOA_Y

ClientSampleId :

COLX4



Tgt Ion:152 Resp: 18728

Ion Ratio Lower Upper

152 100

115 59.3 30.0 90.0

150 155.5 0.0 344.6

