

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016749.D
 Acq On : 21 Dec 2023 08:41
 Operator : SY/MD
 Sample : 05876-18
 Misc : 4.33g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COLY3

Quant Time: Dec 21 14:20:24 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)

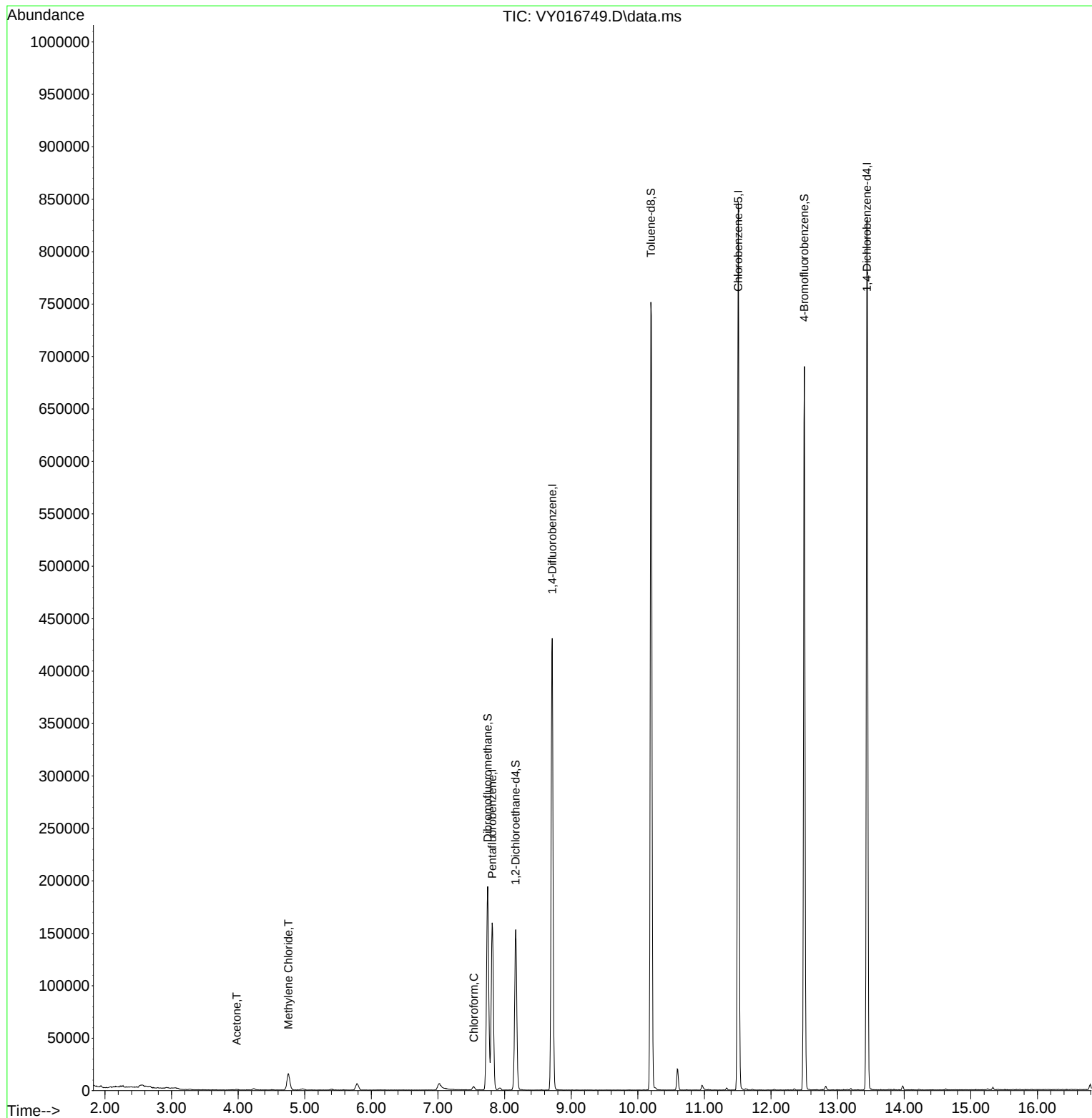
Internal Standards						
1) Pentafluorobenzene	7.813	168	122675	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.716	114	371536	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	448984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	204254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	117050	104.519	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 209.040%#	
35) Dibromofluoromethane	7.746	113	137795	64.746	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.500%	
50) Toluene-d8	10.197	98	499206	65.068	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 130.140%	
62) 4-Bromofluorobenzene	12.501	95	208595	83.805	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 167.600%#	
Target Compounds						
						Qvalue
16) Acetone	3.979	43	1055	3.484	ug/l	# 86
20) Methylene Chloride	4.753	84	11748	4.823	ug/l	92
30) Chloroform	7.539	83	3099	1.256	ug/l	97

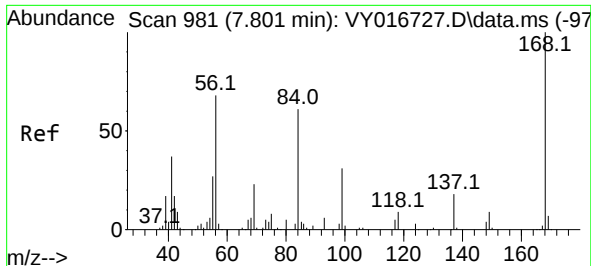
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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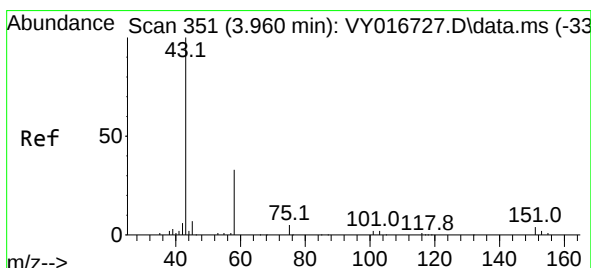
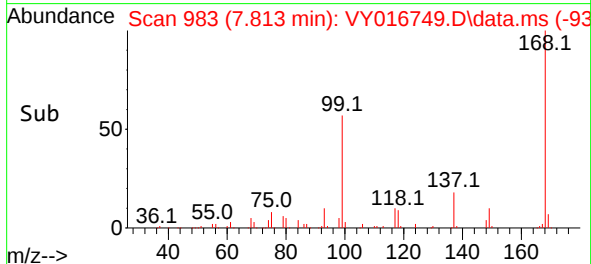
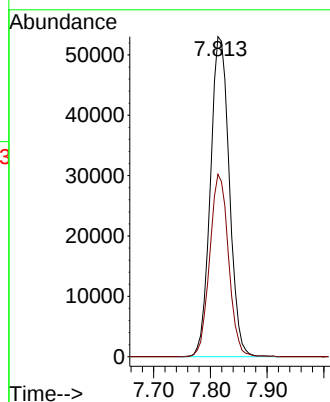
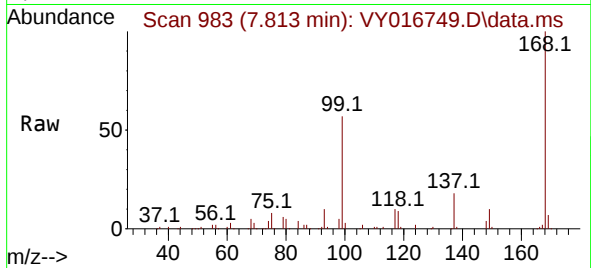




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016749.D
Acq: 21 Dec 2023 08:41

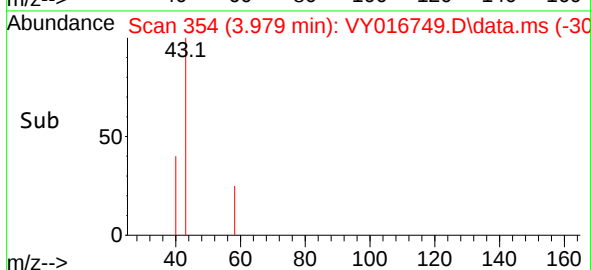
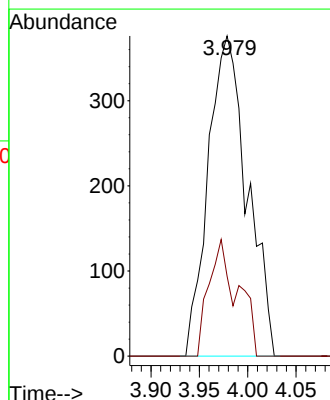
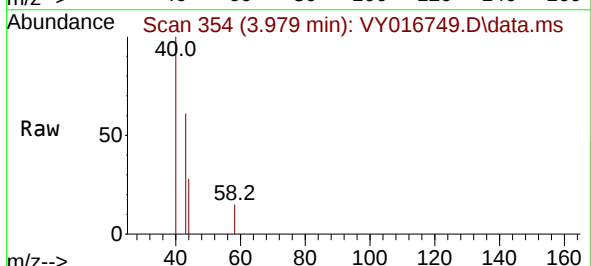
Instrument :
MSVOA_Y
ClientSampleId :
COLY3

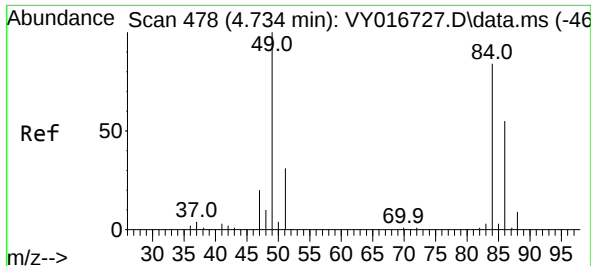
Tgt Ion:168 Resp: 122675
Ion Ratio Lower Upper
168 100
99 57.0 44.2 66.4



#16
Acetone
Concen: 3.484 ug/l
RT: 3.979 min Scan# 354
Delta R.T. 0.019 min
Lab File: VY016749.D
Acq: 21 Dec 2023 08:41

Tgt Ion: 43 Resp: 1055
Ion Ratio Lower Upper
43 100
58 25.0 26.6 39.8#





#20

Methylene Chloride

Concen: 4.823 ug/l

RT: 4.753 min Scan# 41

Delta R.T. 0.019 min

Lab File: VY016749.D

Acq: 21 Dec 2023 08:41

Instrument :

MSVOA_Y

ClientSampleId :

C0LY3

Tgt Ion: 84 Resp: 11748

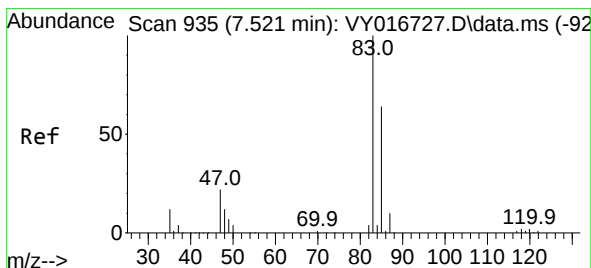
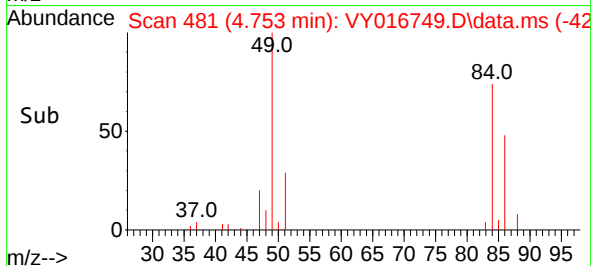
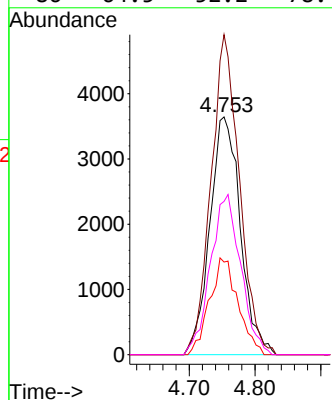
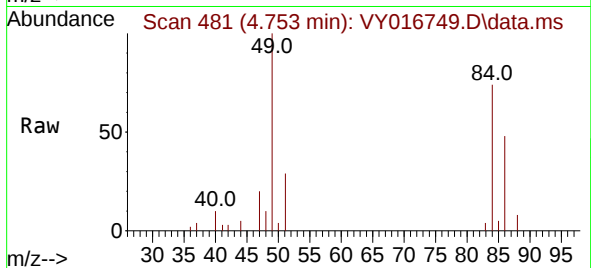
Ion Ratio Lower Upper

84 100

49 134.6 95.2 142.8

51 39.0 29.9 44.9

86 64.5 52.2 78.4



#30

Chloroform

Concen: 1.256 ug/l

RT: 7.539 min Scan# 938

Delta R.T. 0.018 min

Lab File: VY016749.D

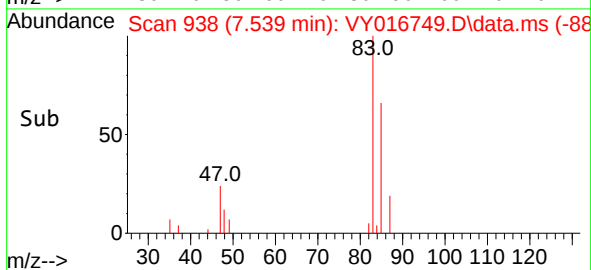
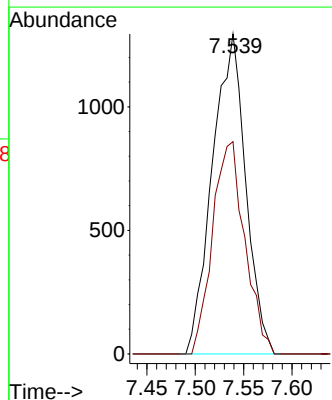
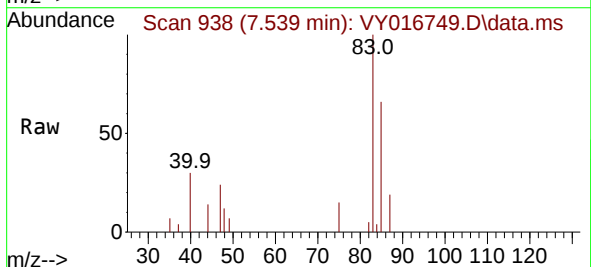
Acq: 21 Dec 2023 08:41

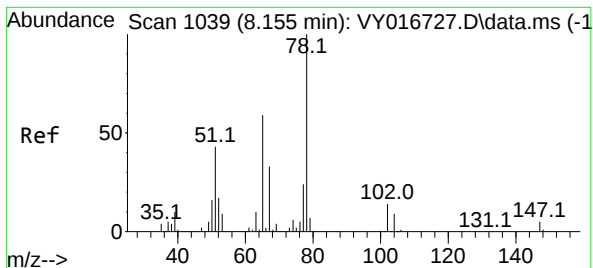
Tgt Ion: 83 Resp: 3099

Ion Ratio Lower Upper

83 100

85 66.3 51.2 76.8





#33

1,2-Dichloroethane-d4

Concen: 104.519 ug/l

RT: 8.167 min Scan# 1103

Delta R.T. 0.012 min

Lab File: VY016749.D

Acq: 21 Dec 2023 08:41

Instrument :

MSVOA_Y

ClientSampleId :

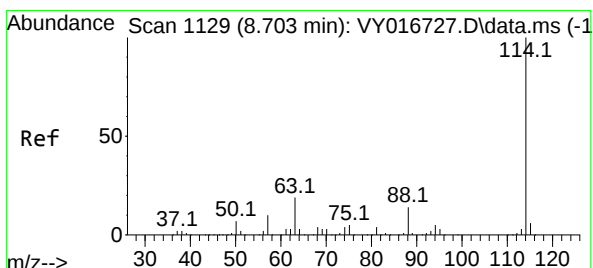
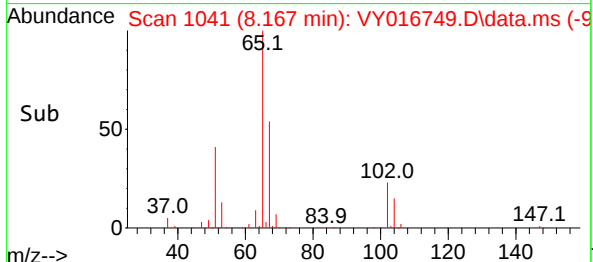
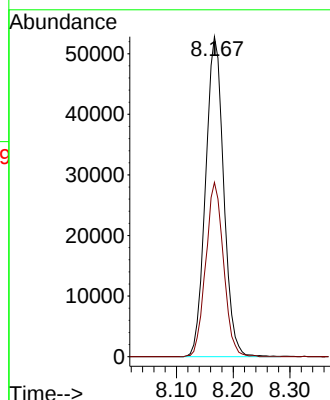
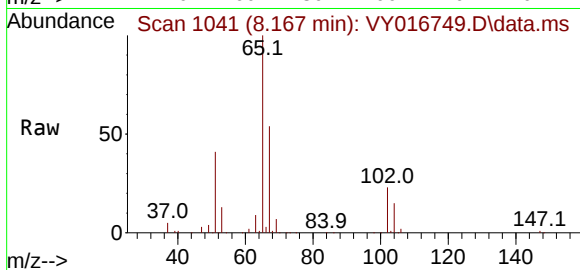
COLY3

Tgt Ion: 65 Resp: 117050

Ion Ratio Lower Upper

65 100

67 53.5 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: VY016749.D

Acq: 21 Dec 2023 08:41

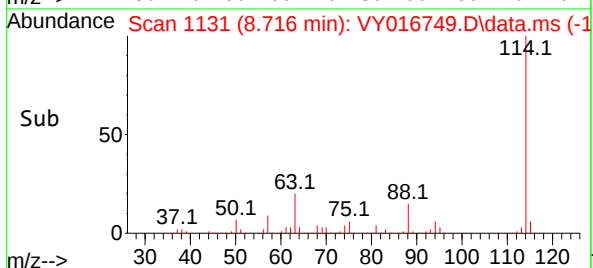
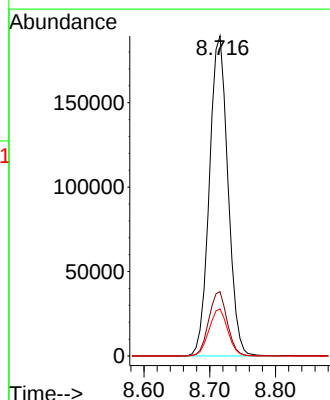
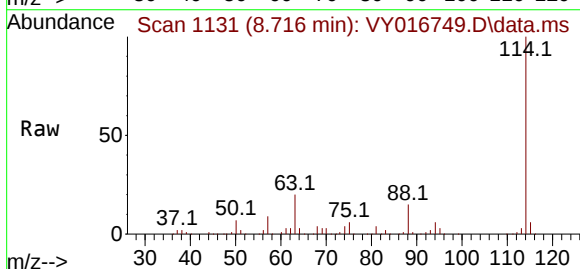
Tgt Ion: 114 Resp: 371536

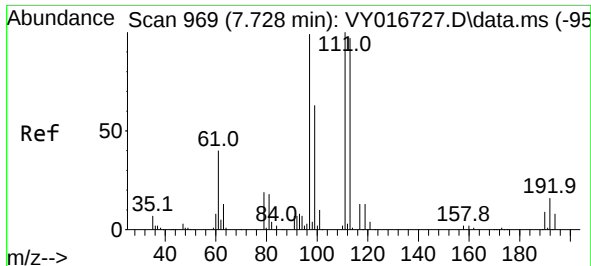
Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

88 14.7 0.0 29.0





#35

Dibromofluoromethane

Concen: 64.746 ug/l

RT: 7.746 min Scan# 91

Delta R.T. 0.018 min

Lab File: VY016749.D

Acq: 21 Dec 2023 08:41

Instrument :

MSVOA_Y

ClientSampleId :

C0LY3

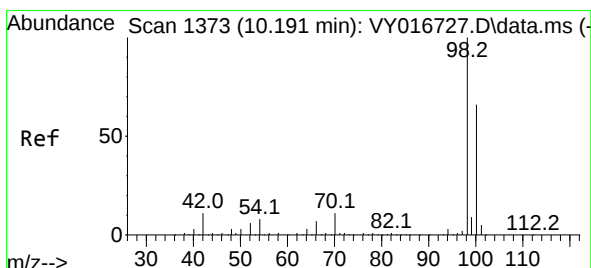
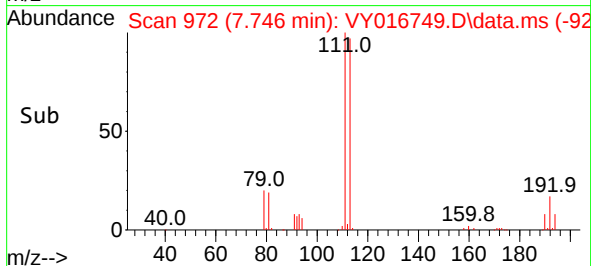
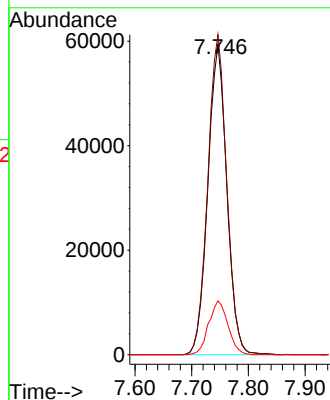
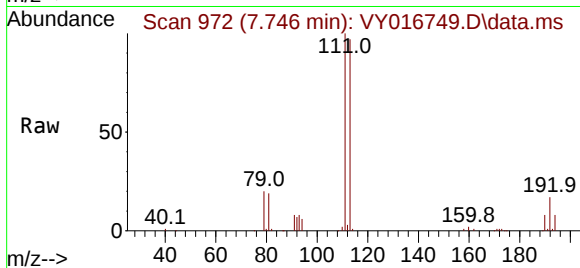
Tgt Ion:113 Resp: 137795

Ion Ratio Lower Upper

113 100

111 103.3 83.8 125.6

192 17.6 14.5 21.7



#50

Toluene-d8

Concen: 65.068 ug/l

RT: 10.197 min Scan# 1374

Delta R.T. 0.006 min

Lab File: VY016749.D

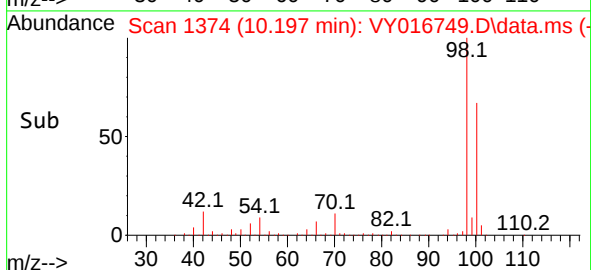
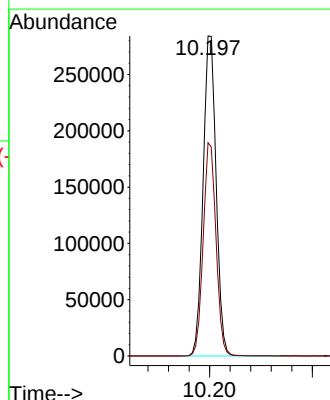
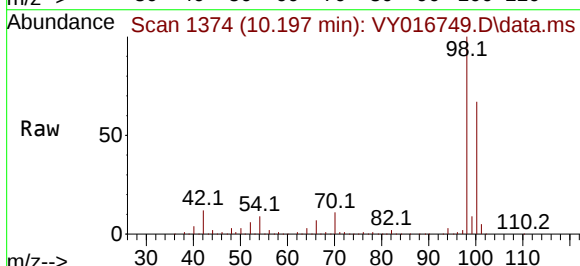
Acq: 21 Dec 2023 08:41

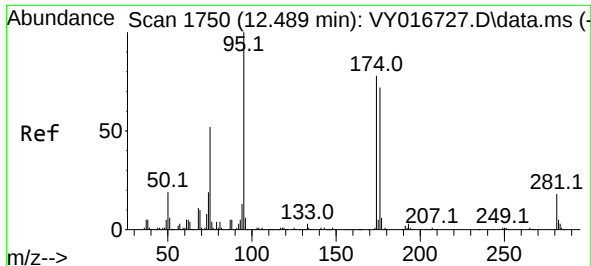
Tgt Ion: 98 Resp: 499206

Ion Ratio Lower Upper

98 100

100 65.5 52.3 78.5

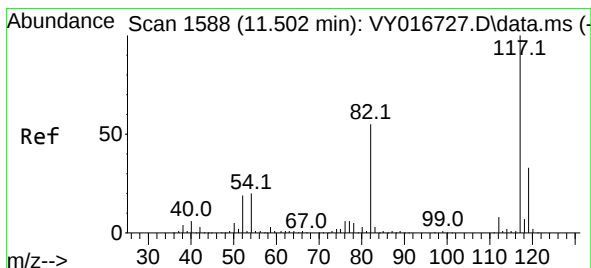
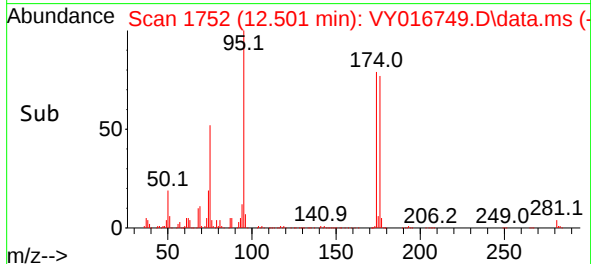
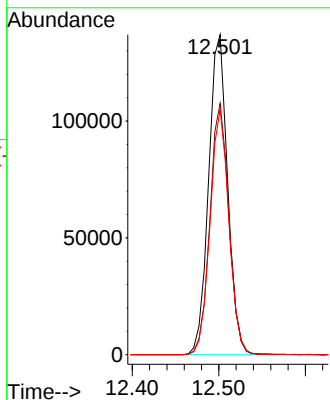
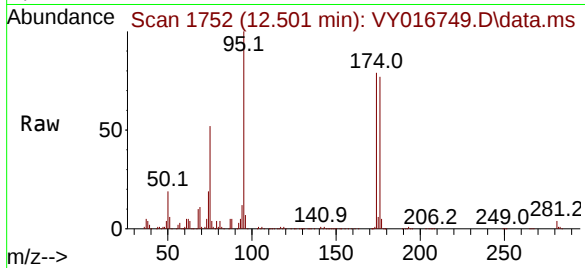




#62
4-Bromofluorobenzene
Concen: 83.805 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.012 min
Lab File: VY016749.D
Acq: 21 Dec 2023 08:41

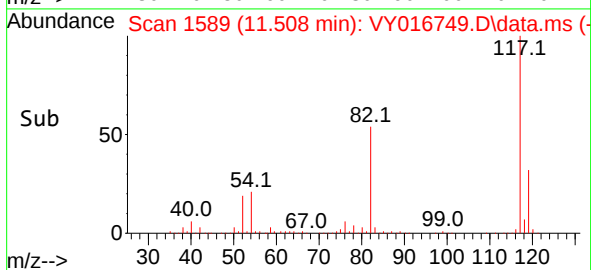
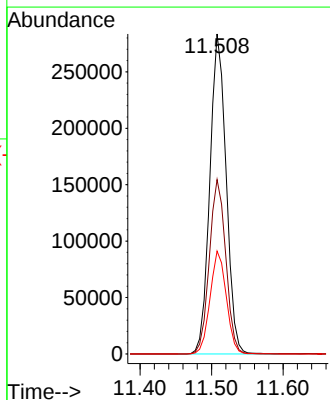
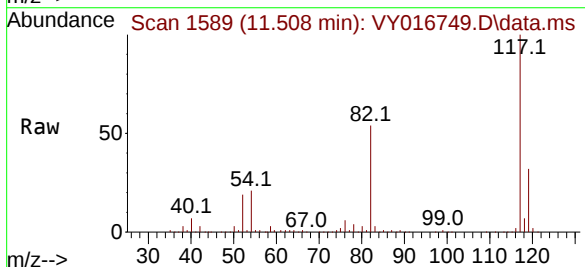
Instrument :
MSVOA_Y
ClientSampleId :
COLY3

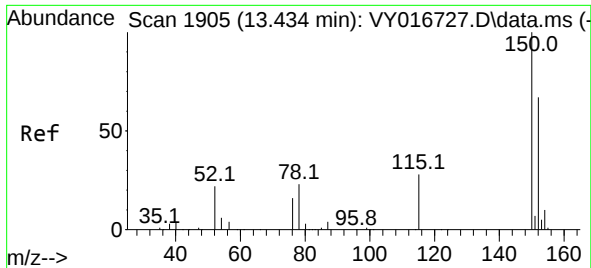
Tgt Ion: 95 Resp: 208595
Ion Ratio Lower Upper
95 100
174 78.6 0.0 160.0
176 75.6 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.006 min
Lab File: VY016749.D
Acq: 21 Dec 2023 08:41

Tgt Ion: 117 Resp: 448984
Ion Ratio Lower Upper
117 100
82 54.5 43.8 65.8
119 32.1 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: VY016749.D

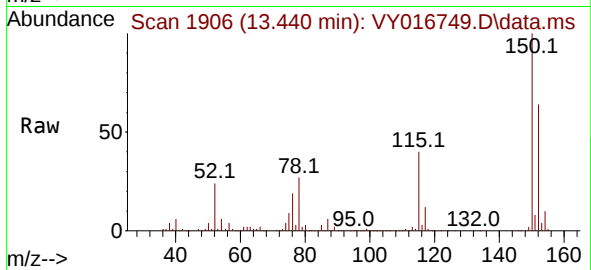
Acq: 21 Dec 2023 08:41

Instrument :

MSVOA_Y

ClientSampleId :

C0LY3



Tgt Ion:152 Resp: 204254

Ion Ratio Lower Upper

152 100

115 60.5 30.0 90.0

150 157.4 0.0 344.6

