

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
 Data File : VY013024.D
 Acq On : 21 Mar 2023 14:01
 Operator : KP/MD
 Sample : 02020-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1

Quant Time: Mar 22 04:19:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

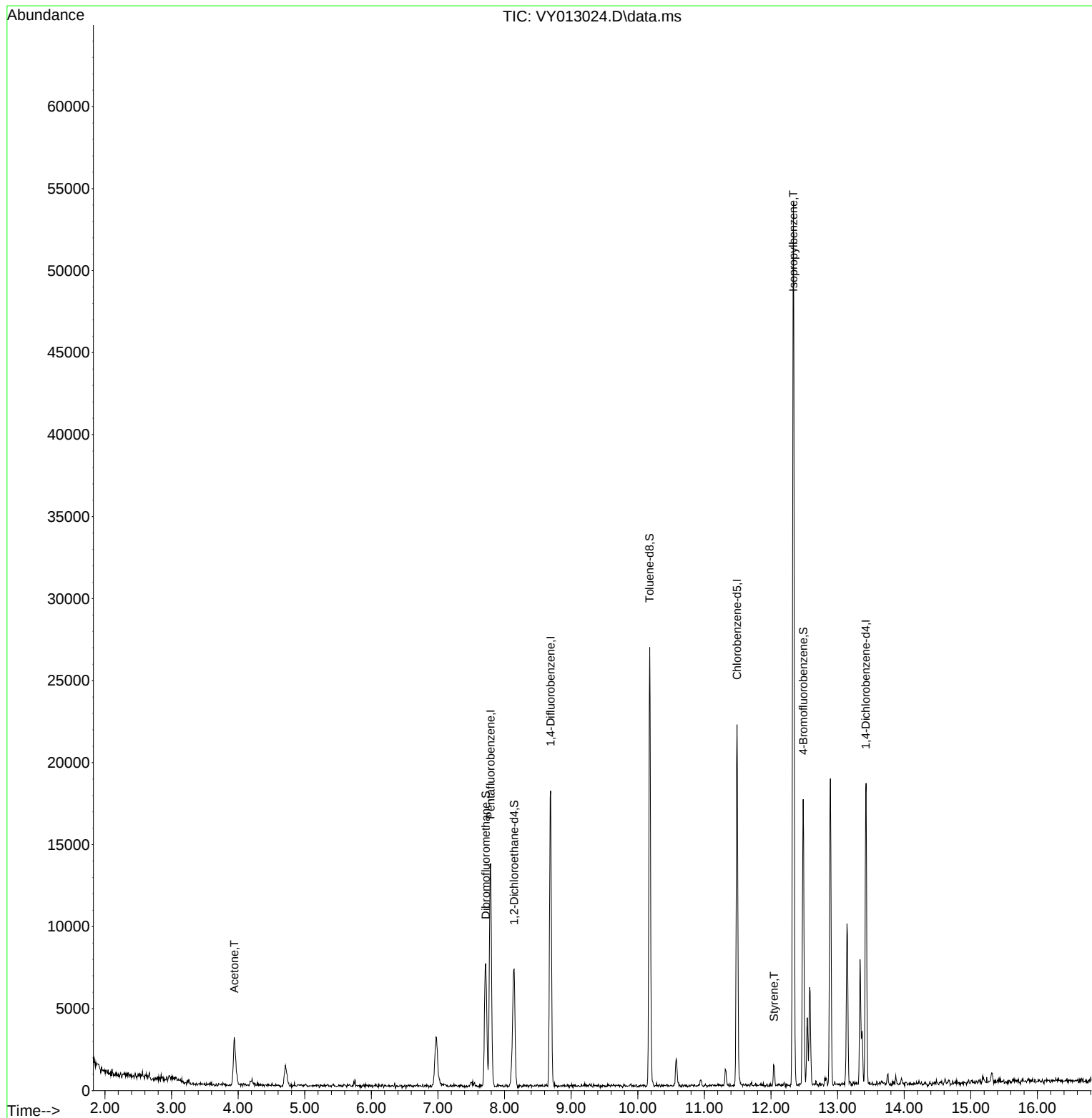
Internal Standards						
1) Pentafluorobenzene	7.789	168	10937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	15770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	12169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	4934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	5643	51.966	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 103.940%		
35) Dibromofluoromethane	7.716	113	5587	58.704	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 117.400%		
50) Toluene-d8	10.179	98	18123	52.088	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 104.180%		
62) 4-Bromofluorobenzene	12.483	95	4903	41.751	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 83.500%		
Target Compounds						
						Qvalue
16) Acetone	3.942	43	5016	117.684	ug/l	99
70) Styrene	12.044	104	700	2.602	ug/l #	88
73) Isopropylbenzene	12.337	105	2359	6.746	ug/l #	71

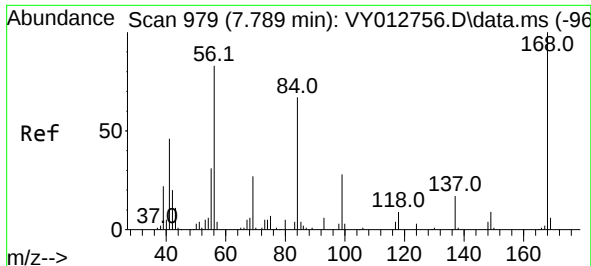
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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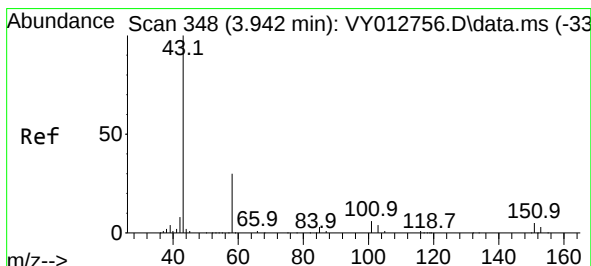
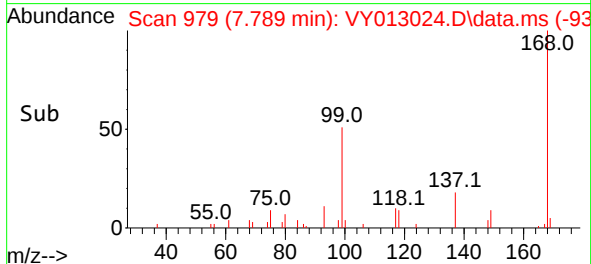
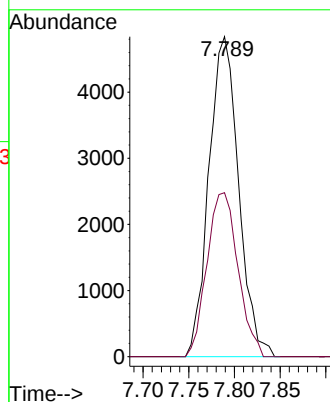
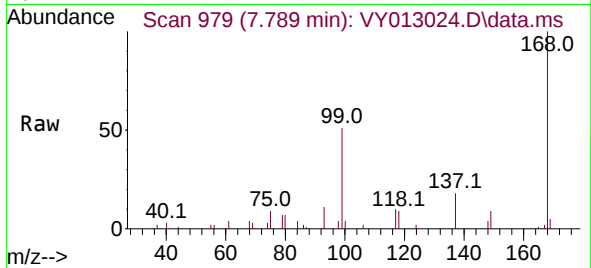




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013024.D
Acq: 21 Mar 2023 14:01

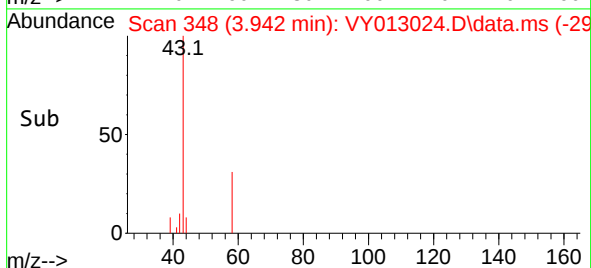
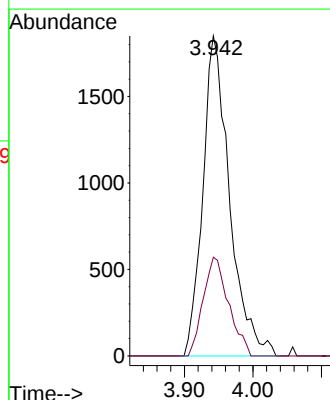
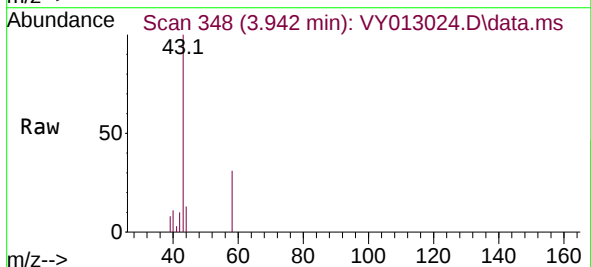
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

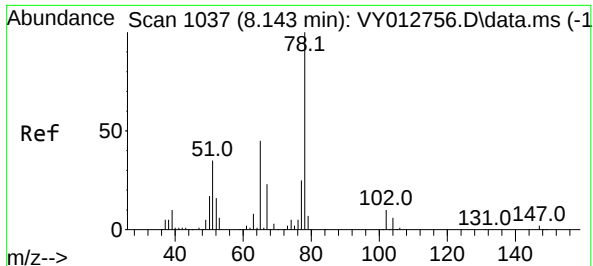
Tgt Ion:168 Resp: 10937
Ion Ratio Lower Upper
168 100
99 51.3 41.7 62.5



#16
Acetone
Concen: 117.684 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY013024.D
Acq: 21 Mar 2023 14:01

Tgt Ion: 43 Resp: 5016
Ion Ratio Lower Upper
43 100
58 30.8 24.2 36.2





#33

1,2-Dichloroethane-d4

Concen: 51.966 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY013024.D

Acq: 21 Mar 2023 14:01

Instrument :

MSVOA_Y

ClientSampleId :

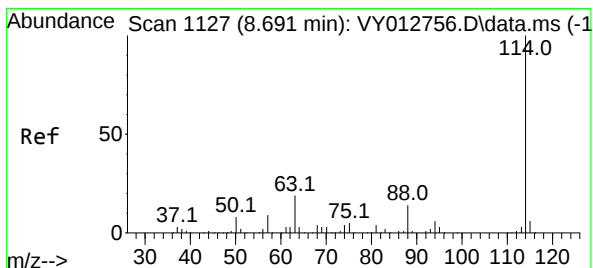
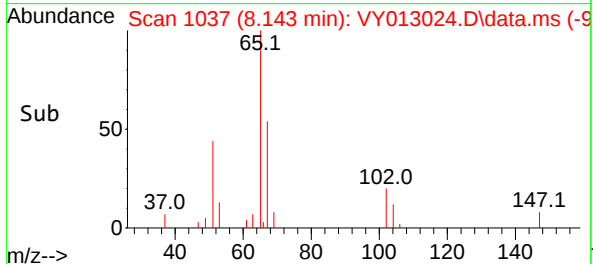
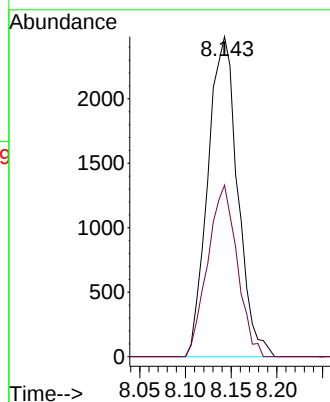
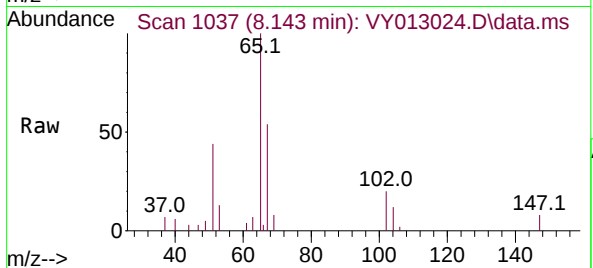
SP-1

Tgt Ion: 65 Resp: 5643

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013024.D

Acq: 21 Mar 2023 14:01

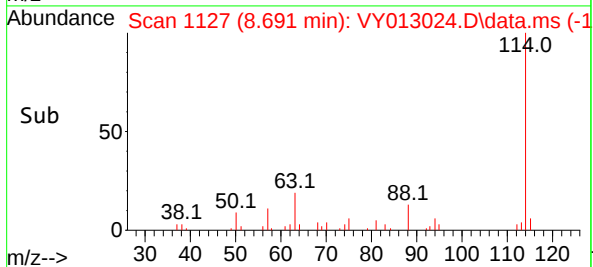
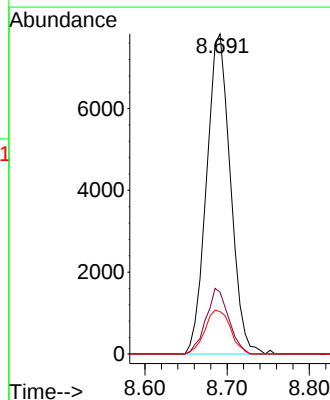
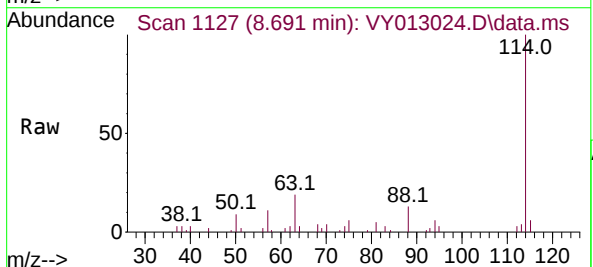
Tgt Ion: 114 Resp: 15770

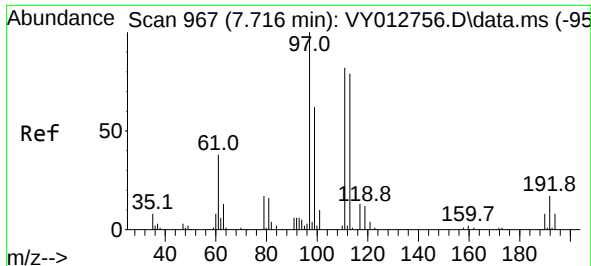
Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.4

88 13.2 0.0 28.6

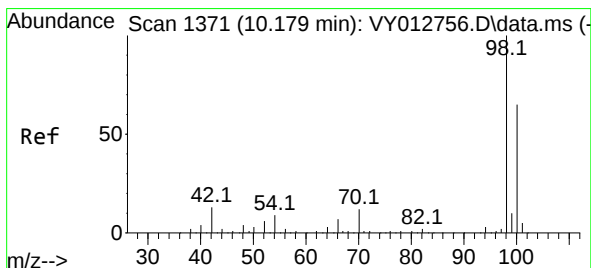
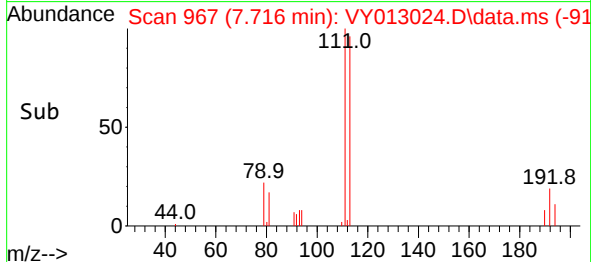
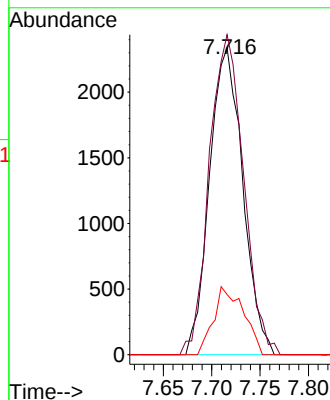
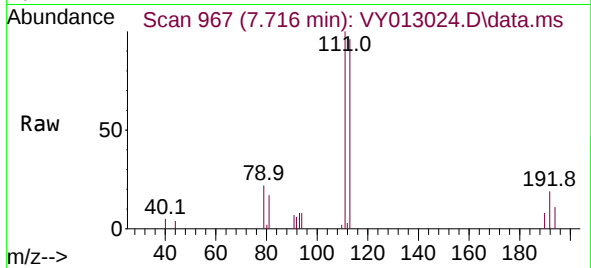




#35
Dibromofluoromethane
Concen: 58.704 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013024.D
Acq: 21 Mar 2023 14:01

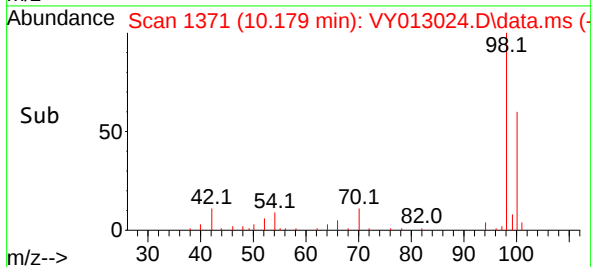
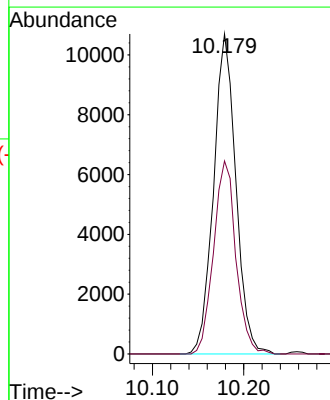
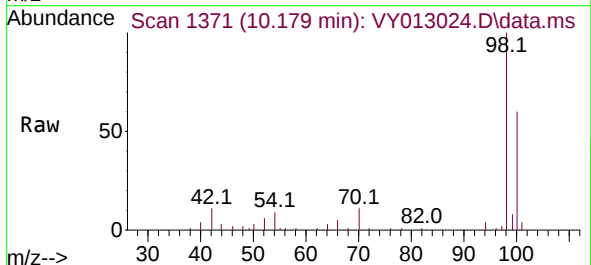
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

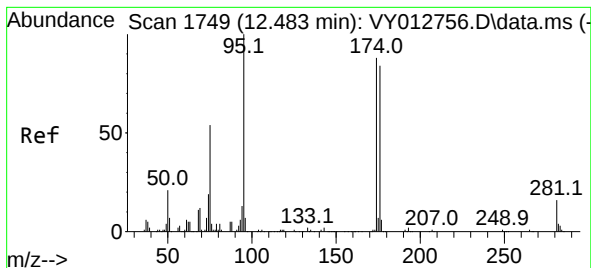
Tgt Ion:113 Resp: 5587
Ion Ratio Lower Upper
113 100
111 107.2 82.2 123.2
192 19.9 16.8 25.2



#50
Toluene-d8
Concen: 52.088 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013024.D
Acq: 21 Mar 2023 14:01

Tgt Ion: 98 Resp: 18123
Ion Ratio Lower Upper
98 100
100 60.4 50.9 76.3

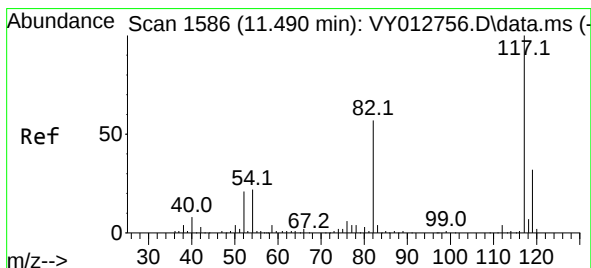
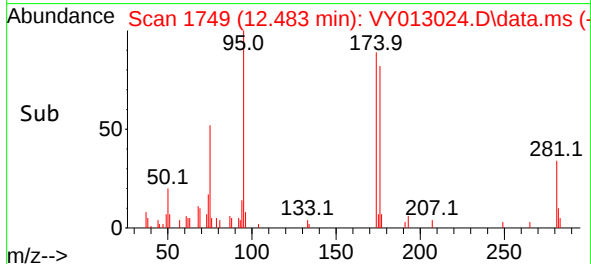
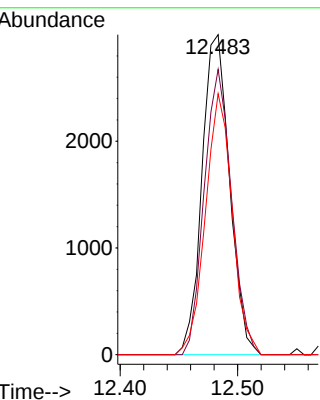
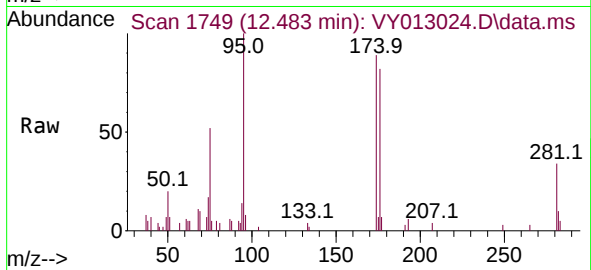




#62
4-Bromofluorobenzene
Concen: 41.751 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013024.D
Acq: 21 Mar 2023 14:01

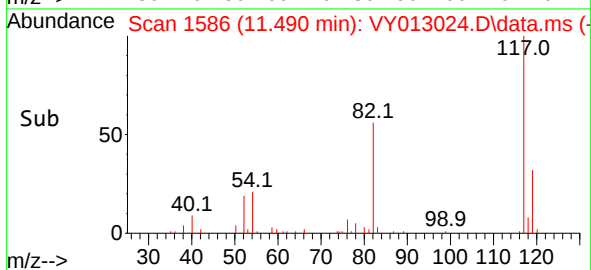
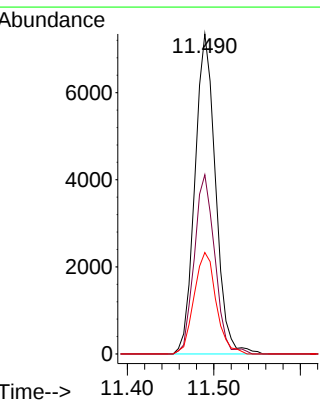
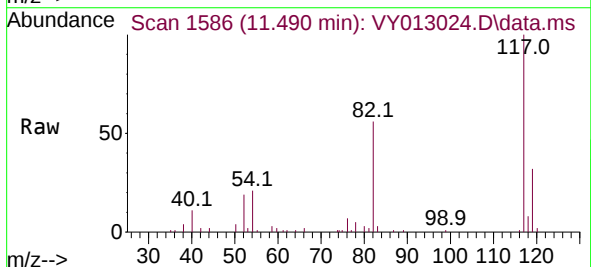
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

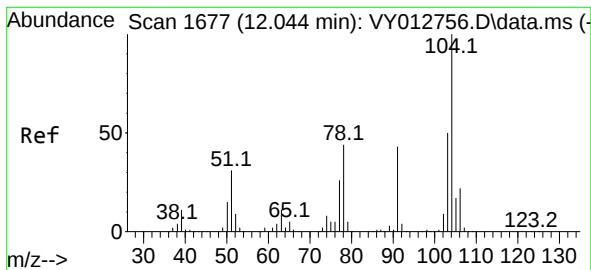
Tgt Ion: 95 Resp: 4903
Ion Ratio Lower Upper
95 100
174 88.1 0.0 176.6
176 79.2 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013024.D
Acq: 21 Mar 2023 14:01

Tgt Ion: 117 Resp: 12169
Ion Ratio Lower Upper
117 100
82 56.0 45.4 68.0
119 31.7 25.6 38.4





#70

Styrene

Concen: 2.602 ug/l

RT: 12.044 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013024.D

Acq: 21 Mar 2023 14:01

Instrument :

MSVOA_Y

ClientSampleId :

SP-1

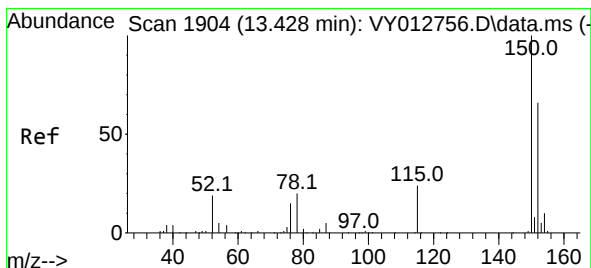
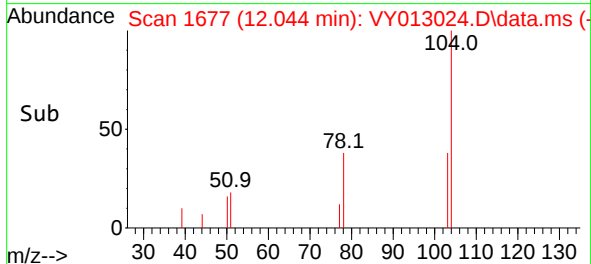
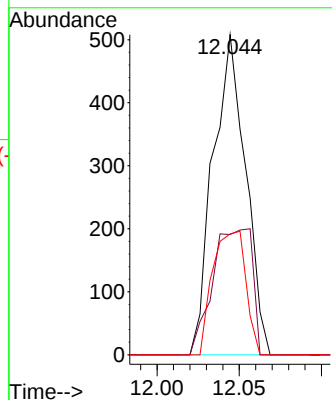
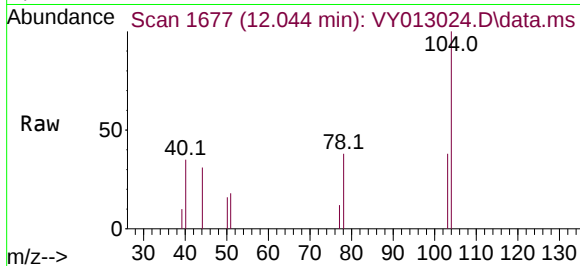
Tgt Ion:104 Resp: 700

Ion Ratio Lower Upper

104 100

78 48.0 39.2 58.8

103 39.1 43.7 65.5#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY013024.D

Acq: 21 Mar 2023 14:01

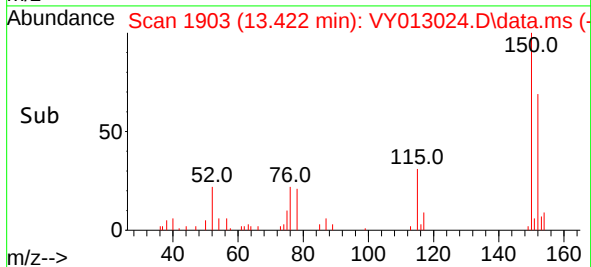
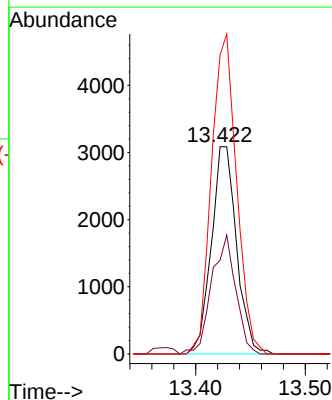
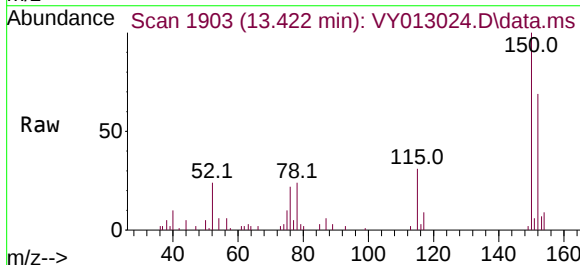
Tgt Ion:152 Resp: 4934

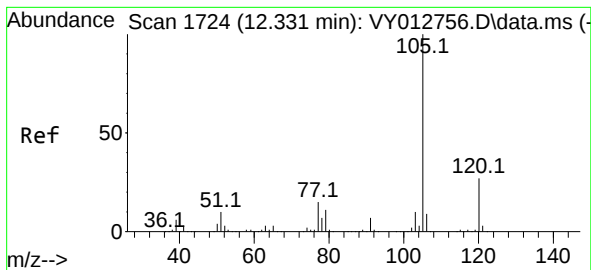
Ion Ratio Lower Upper

152 100

115 54.7 27.1 81.3

150 153.3 0.0 347.8





#73

Isopropylbenzene

Concen: 6.746 ug/l

RT: 12.337 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013024.D

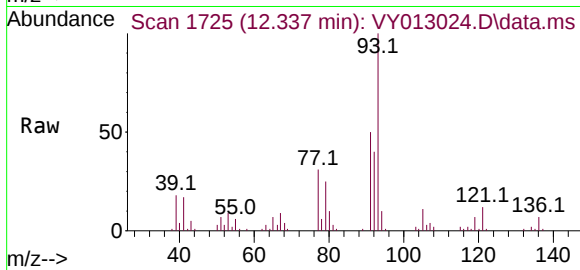
Acq: 21 Mar 2023 14:01

Instrument :

MSVOA_Y

ClientSampleId :

SP-1



Tgt Ion:105 Resp: 2359

Ion Ratio Lower Upper

105 100

120 12.1 13.4 40.2#

