

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032823\
 Data File : VY013111.D
 Acq On : 28 Mar 2023 13:04
 Operator : KP/MD
 Sample : 02104-02RE
 Misc : 6.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-37-SB02RE

Quant Time: Mar 29 02:27:53 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)

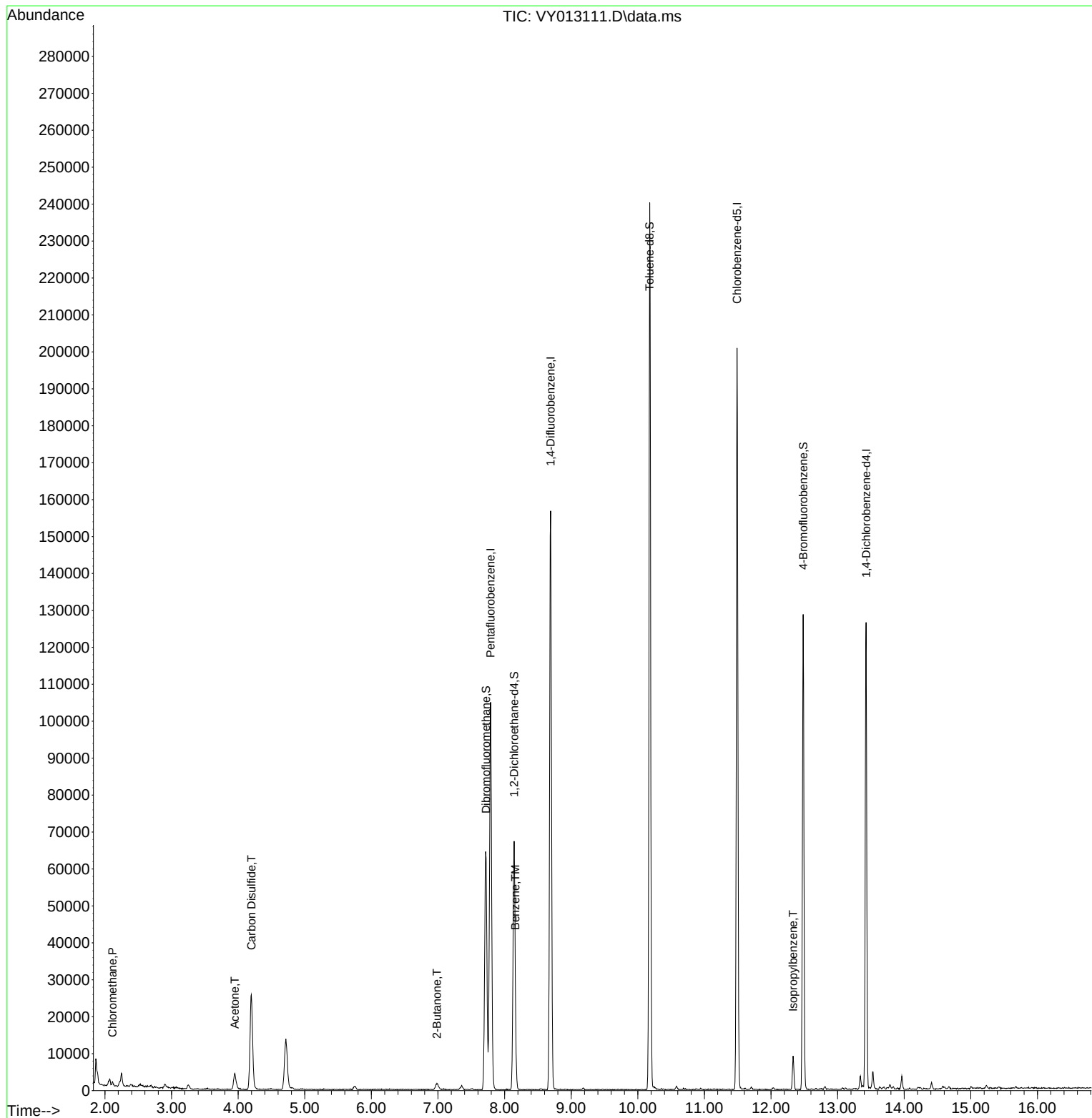
Internal Standards						
1) Pentafluorobenzene	7.789	168	79595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	132669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	107361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	32859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	50286	63.631	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.260%	
35) Dibromofluoromethane	7.722	113	45732	57.118	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.240%	
50) Toluene-d8	10.179	98	152845	52.218	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.440%	
62) 4-Bromofluorobenzene	12.483	95	36041	36.481	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 72.960%	
Target Compounds						
						Qvalue
3) Chloromethane	2.113	50	959	1.022	ug/l #	83
16) Acetone	3.948	43	7763	25.027	ug/l	95
17) Carbon Disulfide	4.198	76	51551	18.477	ug/l	98
25) 2-Butanone	6.984	43	2078	5.409	ug/l #	85
40) Benzene	8.161	78	4034	1.063	ug/l	96
73) Isopropylbenzene	12.331	105	4019	1.726	ug/l	99

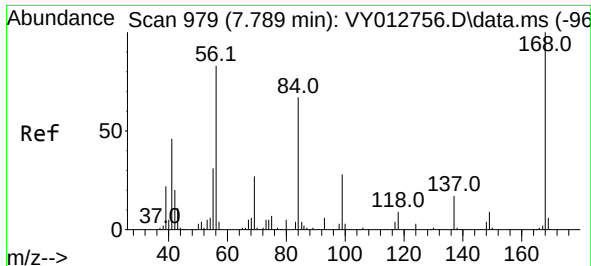
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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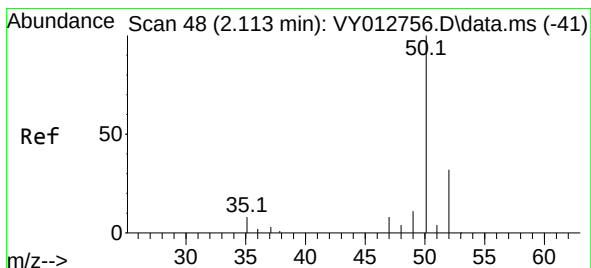
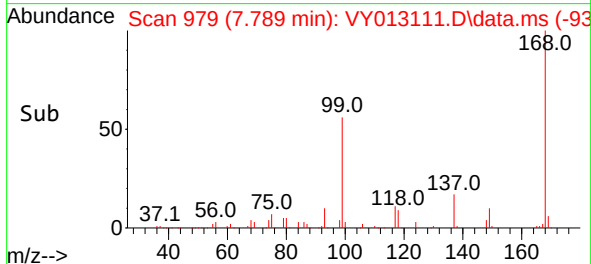
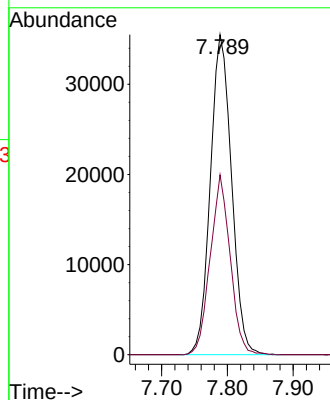
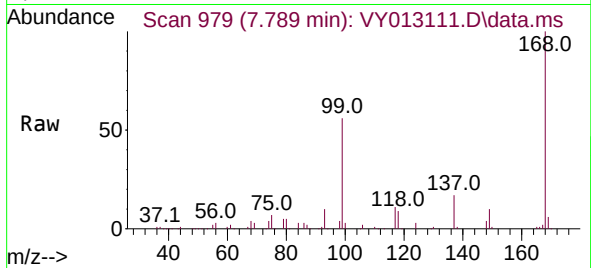




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

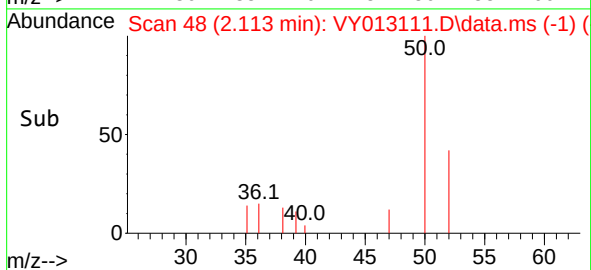
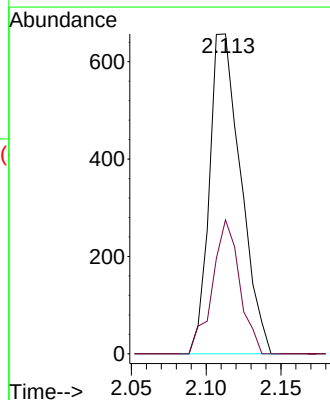
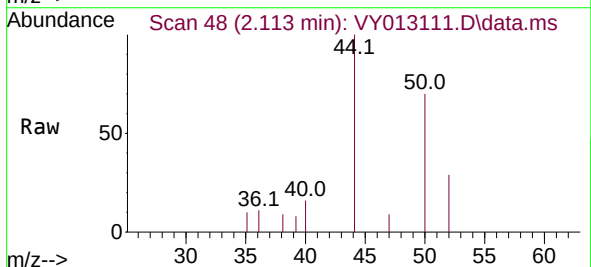
Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB02RE

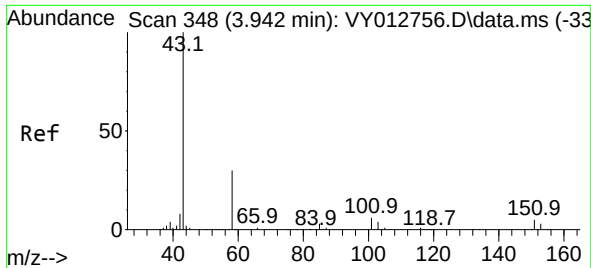
Tgt Ion:168 Resp: 79595
Ion Ratio Lower Upper
168 100
99 56.2 41.7 62.5



#3
Chloromethane
Concen: 1.022 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

Tgt Ion: 50 Resp: 959
Ion Ratio Lower Upper
50 100
52 41.9 26.0 39.0#





#16

Acetone

Concen: 25.027 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY013111.D

Acq: 28 Mar 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

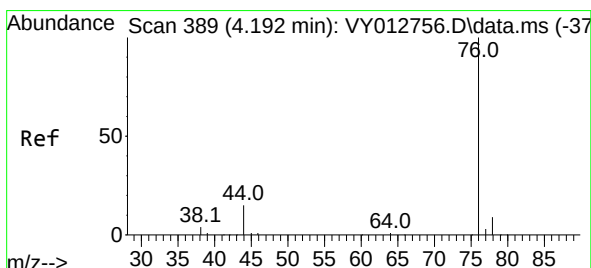
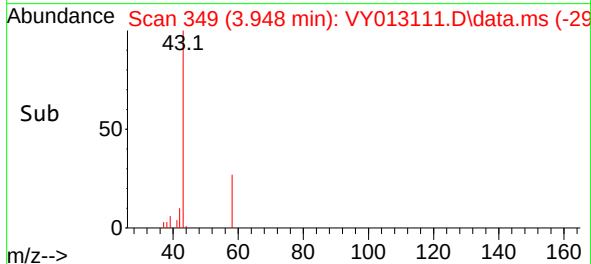
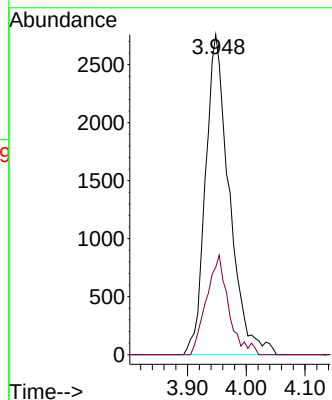
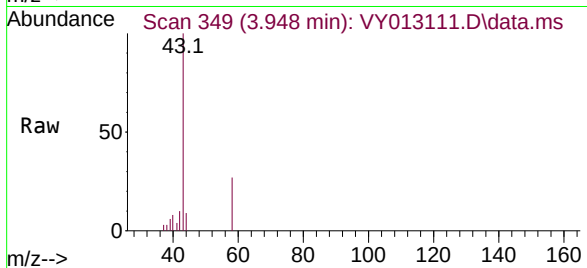
B-37-SB02RE

Tgt Ion: 43 Resp: 7763

Ion Ratio Lower Upper

43 100

58 27.3 24.2 36.2



#17

Carbon Disulfide

Concen: 18.477 ug/l

RT: 4.198 min Scan# 390

Delta R.T. 0.006 min

Lab File: VY013111.D

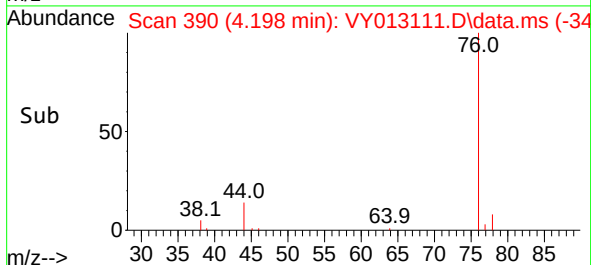
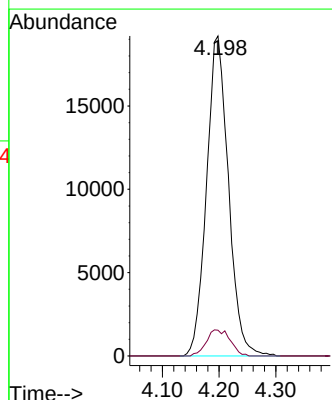
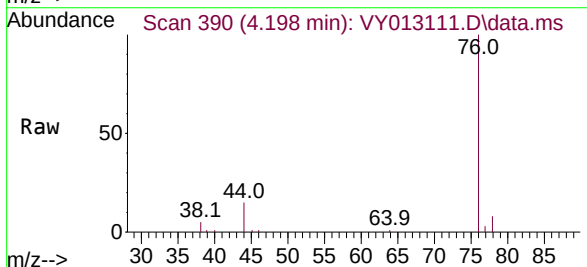
Acq: 28 Mar 2023 13:04

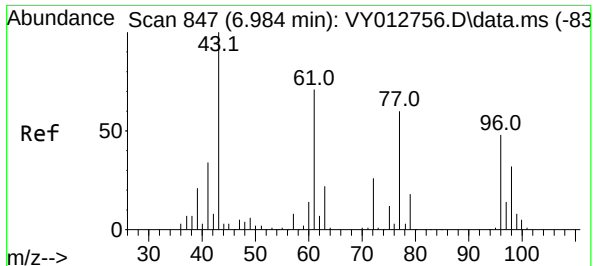
Tgt Ion: 76 Resp: 51551

Ion Ratio Lower Upper

76 100

78 8.1 7.1 10.7





#25

2-Butanone

Concen: 5.409 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY013111.D

Acq: 28 Mar 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

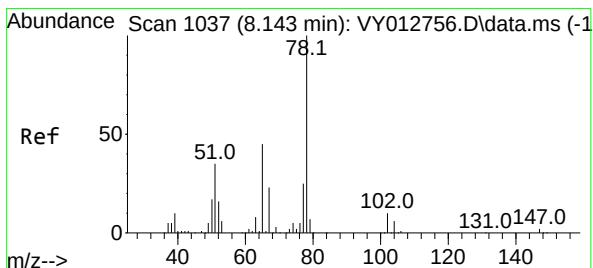
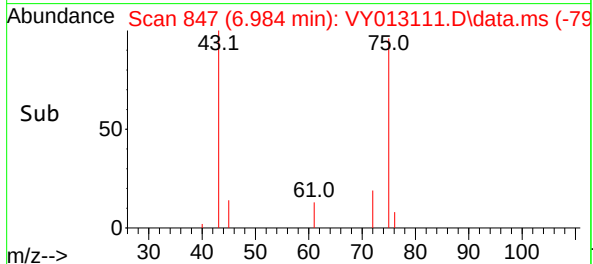
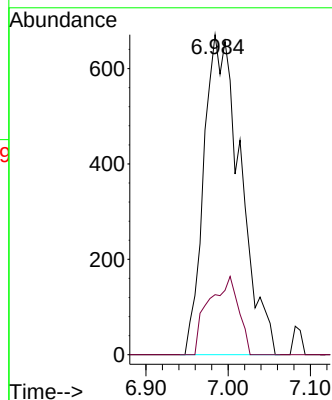
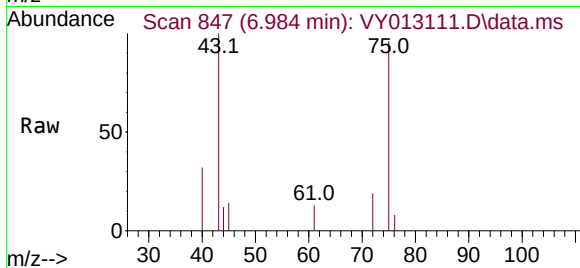
B-37-SB02RE

Tgt Ion: 43 Resp: 2078

Ion Ratio Lower Upper

43 100

72 18.8 21.0 31.4#



#33

1,2-Dichloroethane-d4

Concen: 63.631 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY013111.D

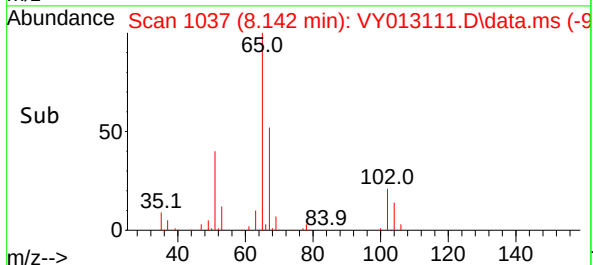
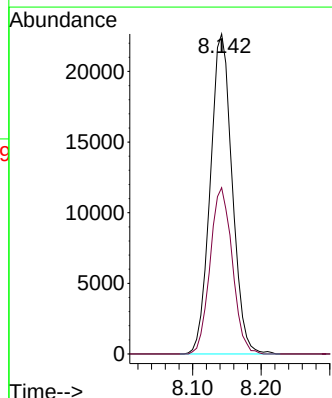
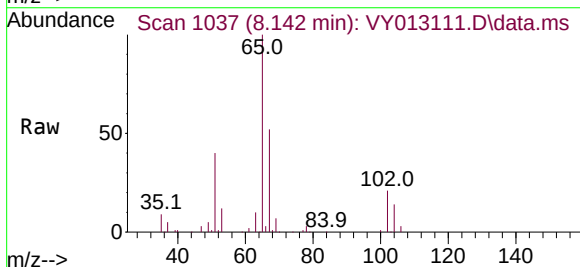
Acq: 28 Mar 2023 13:04

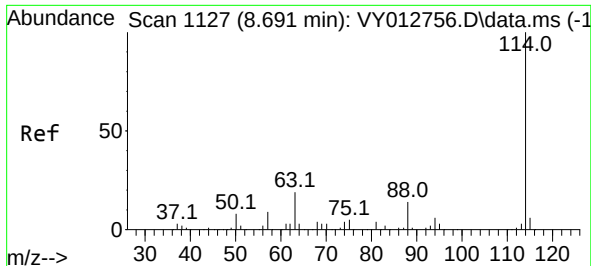
Tgt Ion: 65 Resp: 50286

Ion Ratio Lower Upper

65 100

67 52.6 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: VY013111.D

Acq: 28 Mar 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

B-37-SB02RE

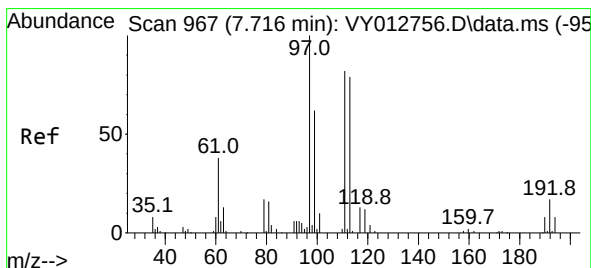
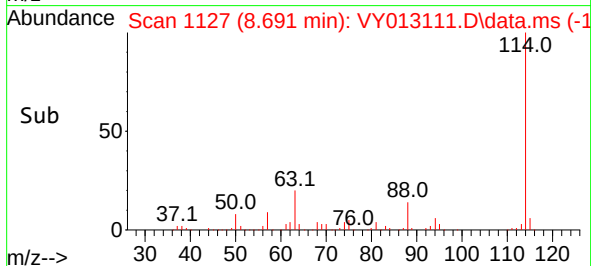
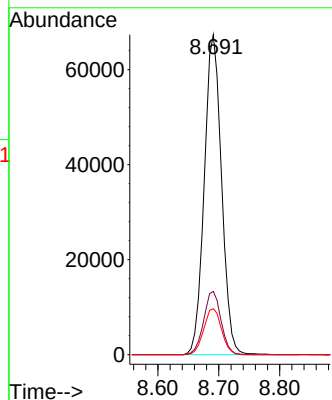
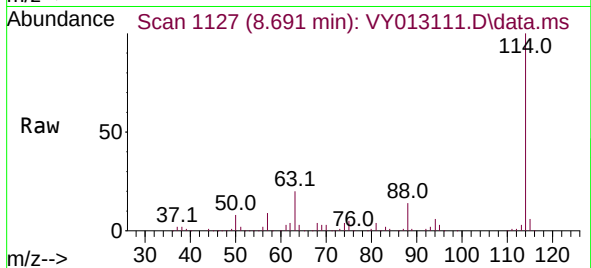
Tgt Ion:114 Resp: 132669

Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.4

88 14.3 0.0 28.6



#35

Dibromofluoromethane

Concen: 57.118 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY013111.D

Acq: 28 Mar 2023 13:04

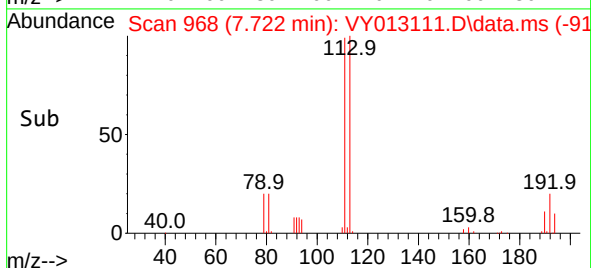
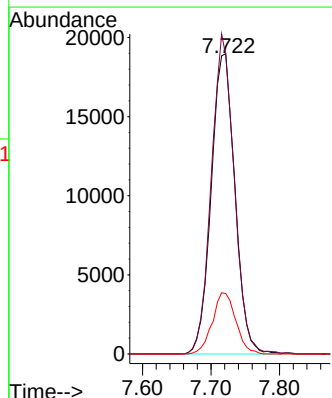
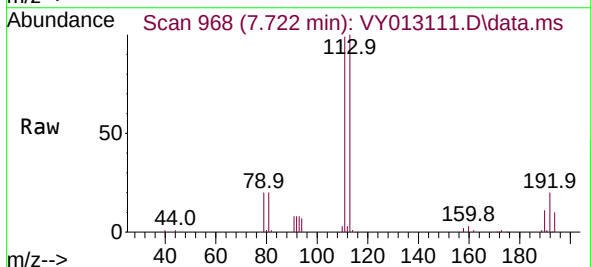
Tgt Ion:113 Resp: 45732

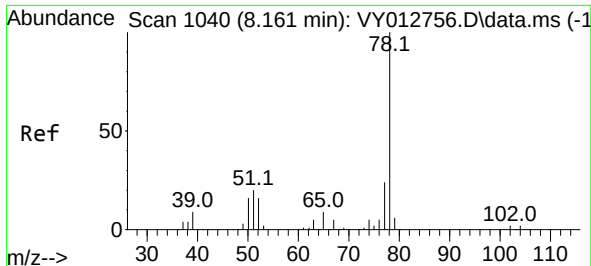
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.2

192 20.1 16.8 25.2

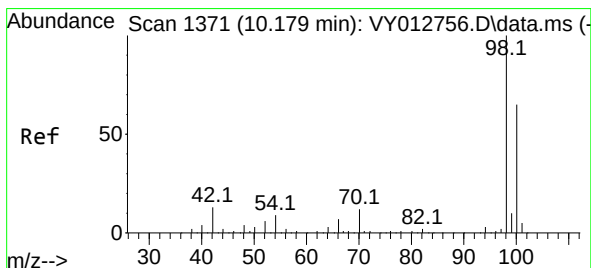
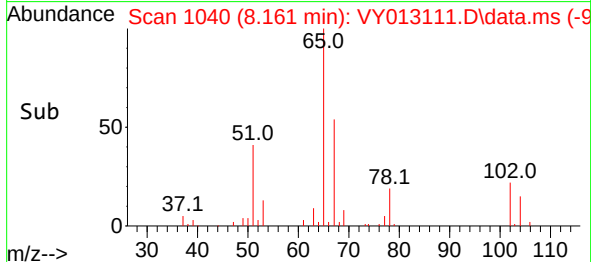
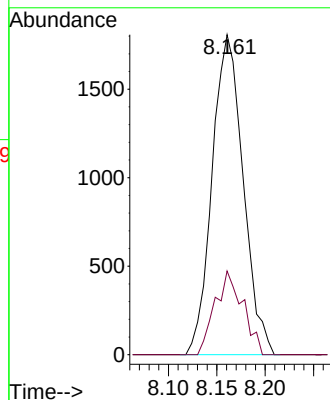
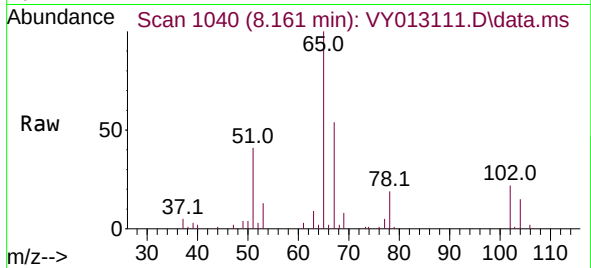




#40
Benzene
Concen: 1.063 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

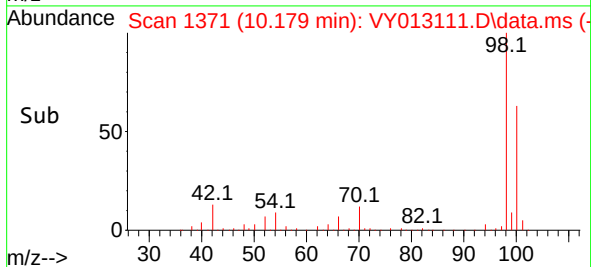
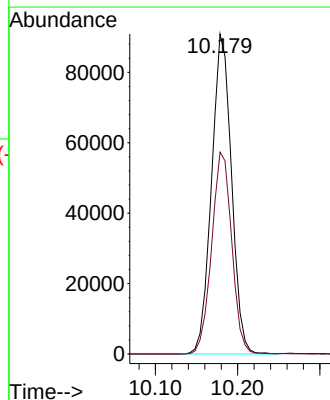
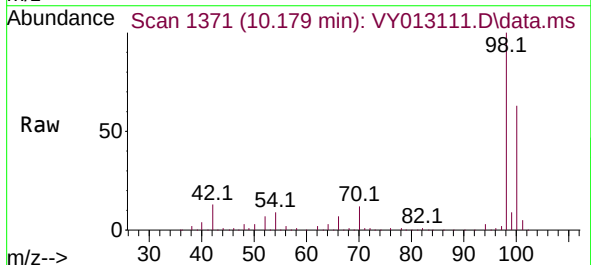
Instrument :
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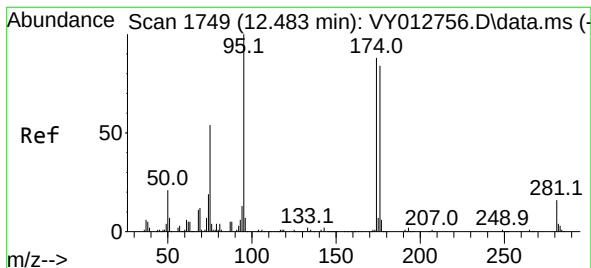
Tgt Ion: 78 Resp: 4034
Ion Ratio Lower Upper
78 100
77 26.2 19.4 29.0



#50
Toluene-d8
Concen: 52.218 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

Tgt Ion: 98 Resp: 152845
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3

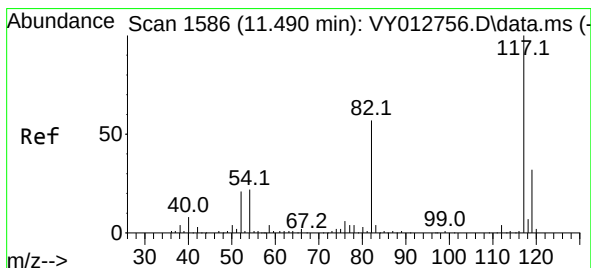
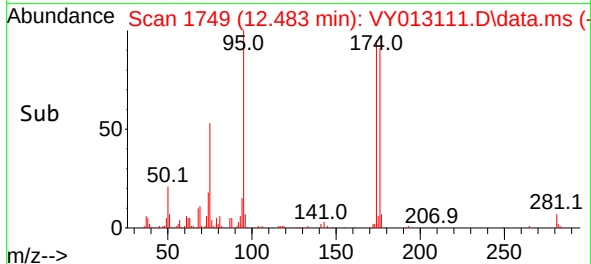
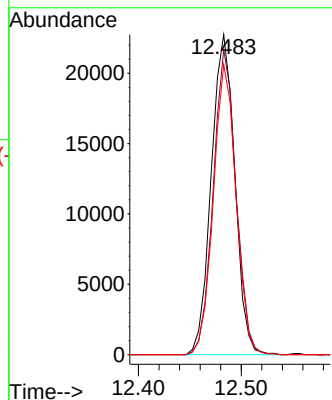
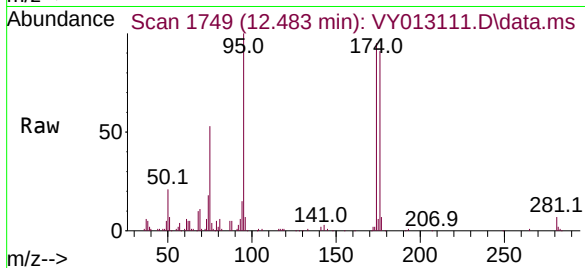




#62
4-Bromofluorobenzene
Concen: 36.481 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

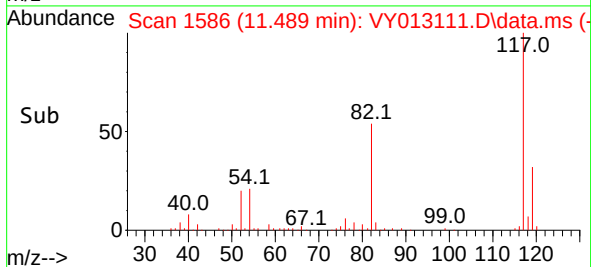
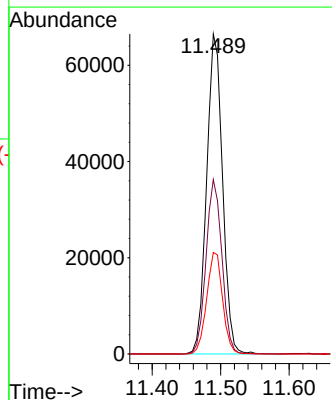
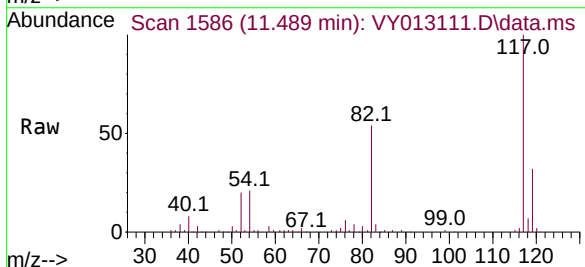
Instrument :
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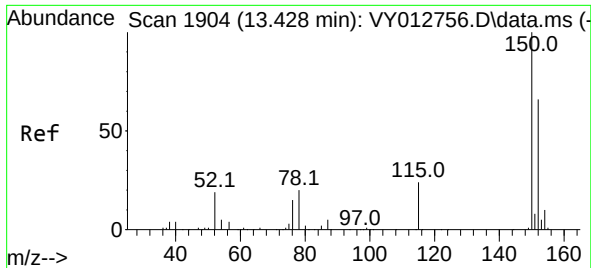
Tgt Ion: 95 Resp: 36041
Ion Ratio Lower Upper
95 100
174 92.5 0.0 176.6
176 87.6 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

Tgt Ion: 117 Resp: 107361
Ion Ratio Lower Upper
117 100
82 54.5 45.4 68.0
119 31.7 25.6 38.4

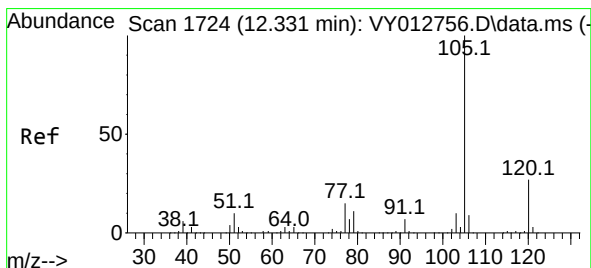
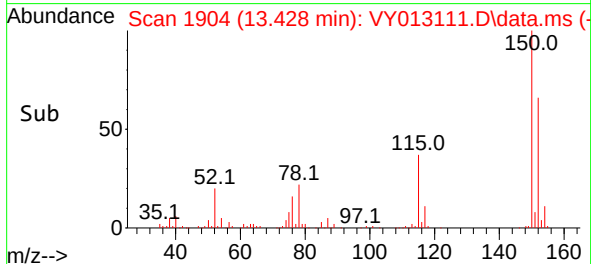
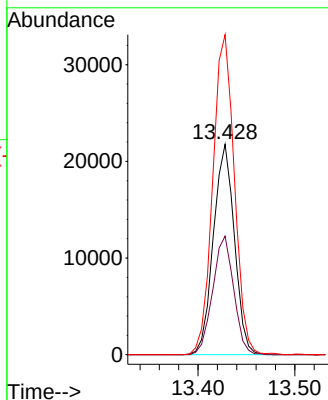
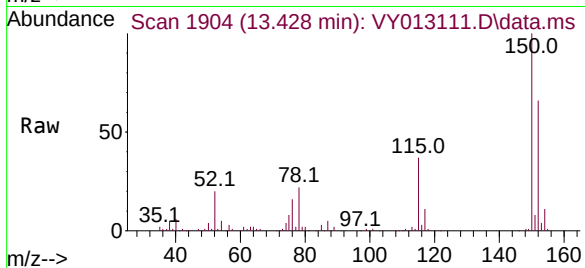




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB02RE

Tgt Ion:152 Resp: 32859
Ion Ratio Lower Upper
152 100
115 56.3 27.1 81.3
150 156.0 0.0 347.8



#73
Isopropylbenzene
Concen: 1.726 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

Tgt Ion:105 Resp: 4019
Ion Ratio Lower Upper
105 100
120 27.2 13.4 40.2

