

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032823\
 Data File : VY013115.D
 Acq On : 28 Mar 2023 14:37
 Operator : KP/MD
 Sample : 02109-02RE
 Misc : 6.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-30-SB02RE

Quant Time: Mar 29 02:29:11 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)

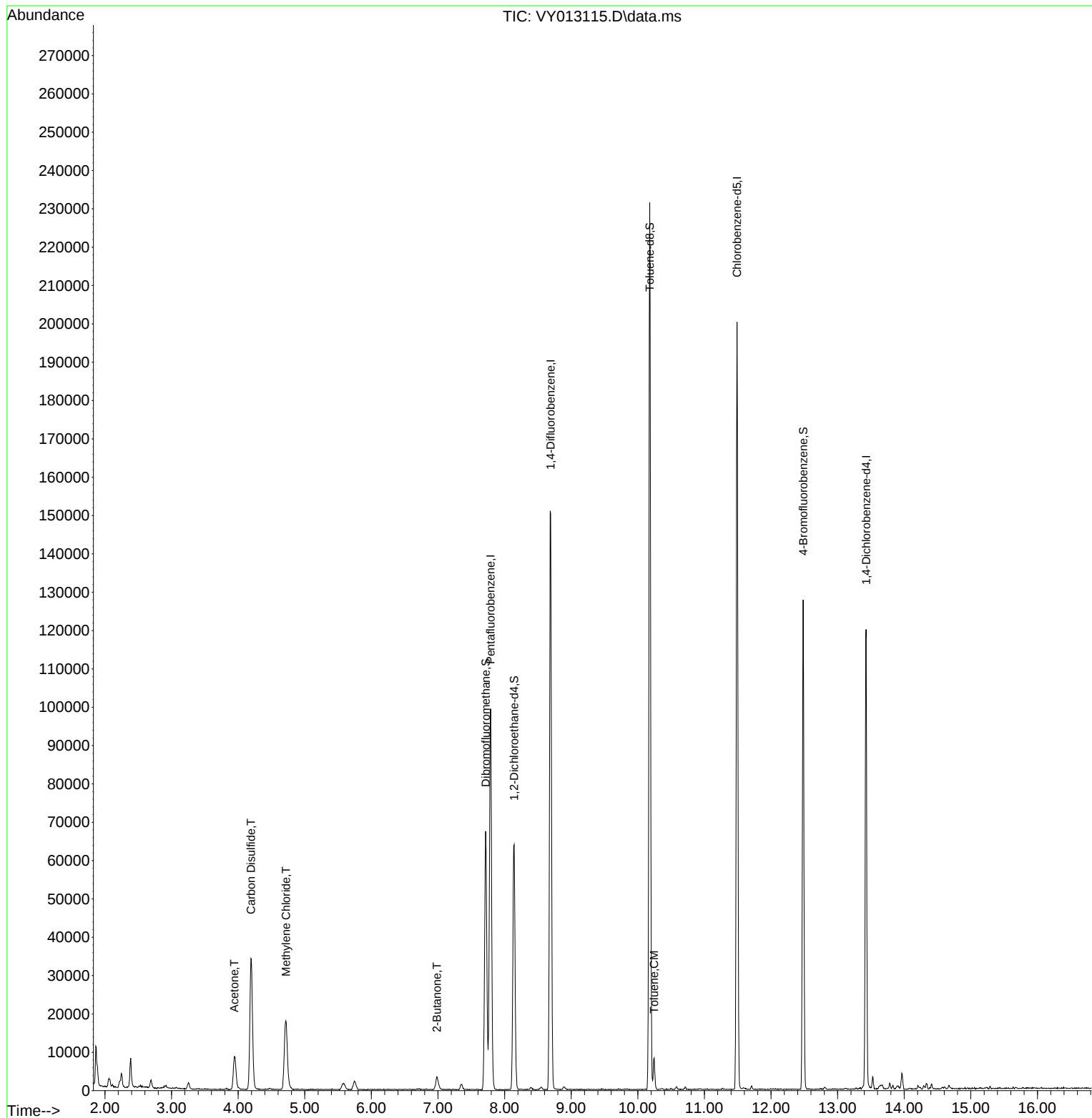
Internal Standards						
1) Pentafluorobenzene	7.789	168	76678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	125990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	104442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	31062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	50911	66.873	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.740%	
35) Dibromofluoromethane	7.715	113	45979	60.471	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.940%	
50) Toluene-d8	10.178	98	148191	53.312	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.620%	
62) 4-Bromofluorobenzene	12.483	95	34830	37.124	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 74.240%	
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	16482	55.157	ug/l	100
17) Carbon Disulfide	4.192	76	71112	26.458	ug/l	99
20) Methylene Chloride	4.716	84	13449	10.505	ug/l	98
25) 2-Butanone	6.984	43	5288	14.287	ug/l	99
52) Toluene	10.245	92	3143	1.446	ug/l	100

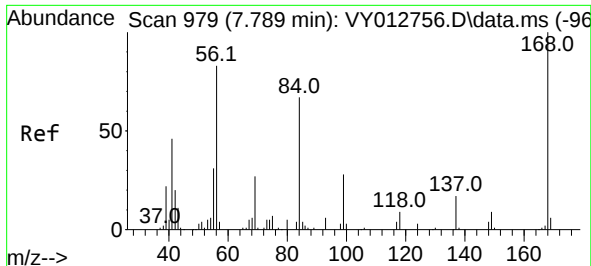
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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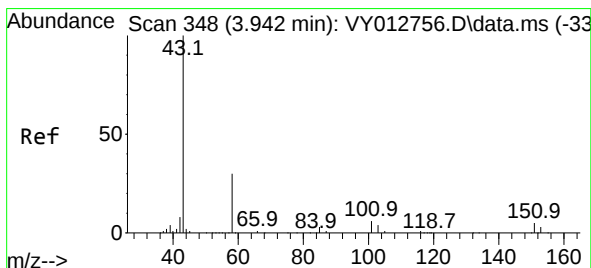
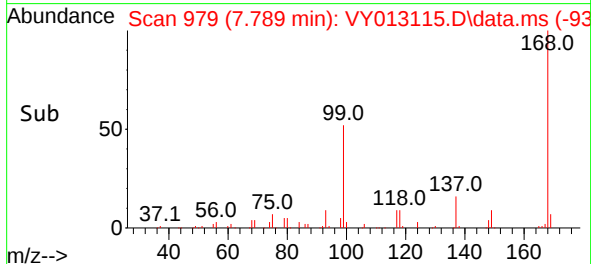
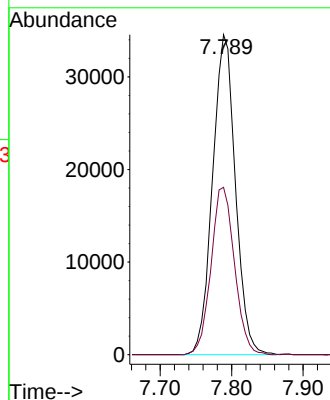
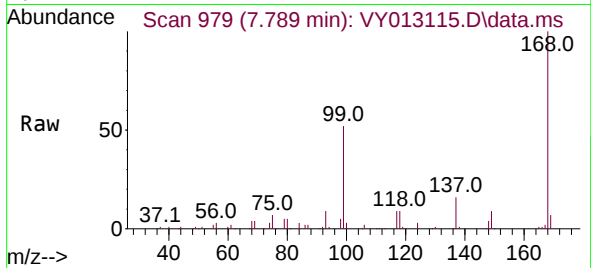




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

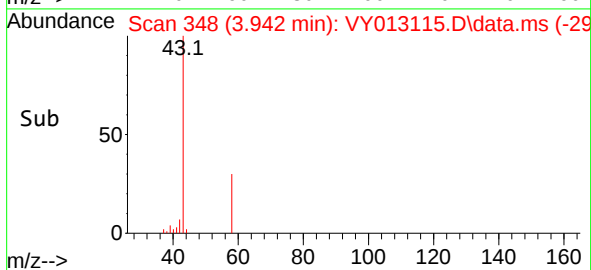
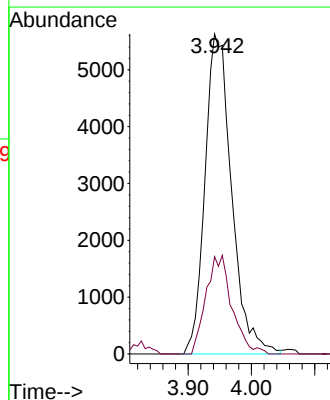
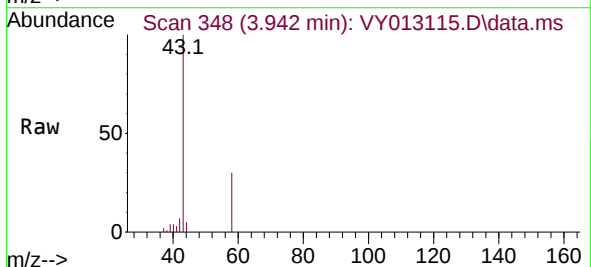
Instrument :
MSVOA_Y
ClientSampleId :
B-30-SB02RE

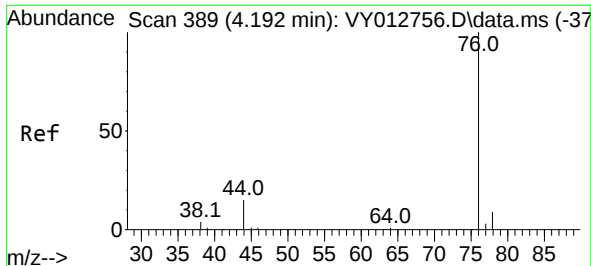
Tgt Ion:168 Resp: 76678
Ion Ratio Lower Upper
168 100
99 52.3 41.7 62.5



#16
Acetone
Concen: 55.157 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

Tgt Ion: 43 Resp: 16482
Ion Ratio Lower Upper
43 100
58 30.4 24.2 36.2

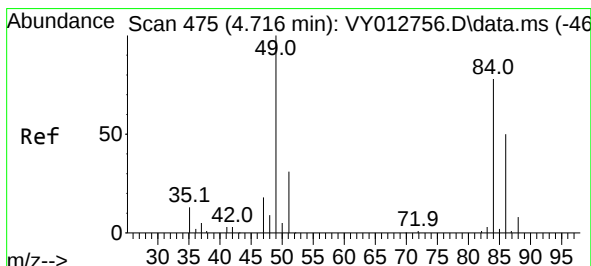
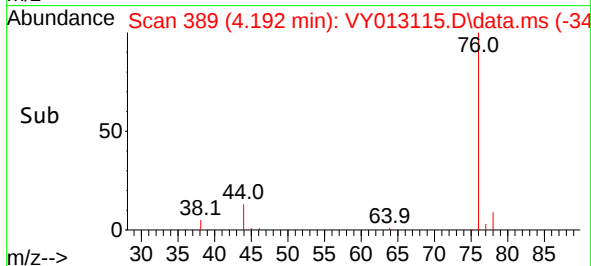
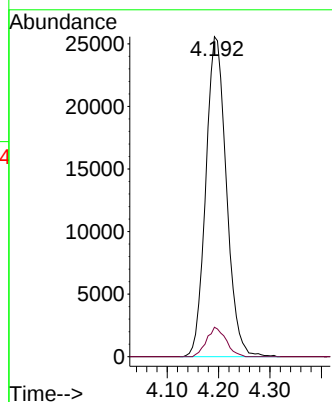
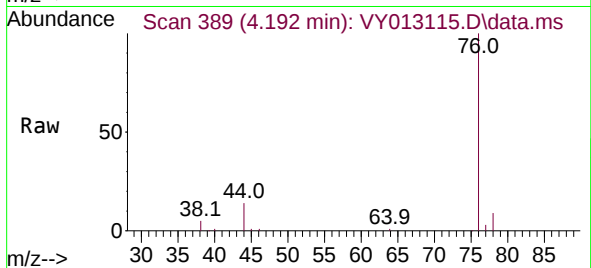




#17
Carbon Disulfide
Concen: 26.458 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.000 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

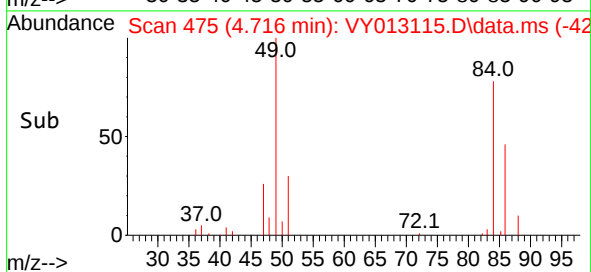
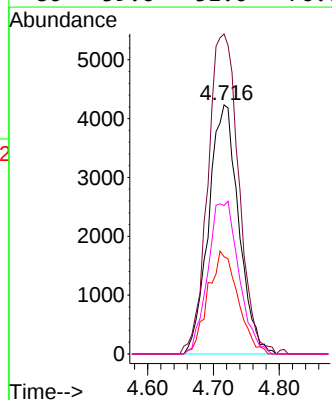
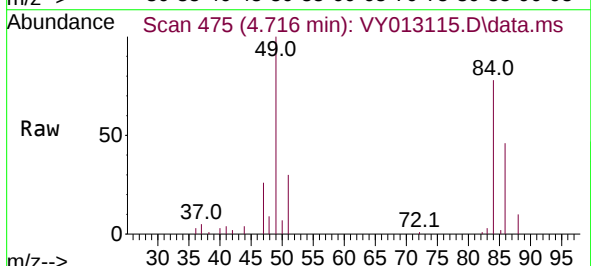
Instrument :
MSVOA_Y
ClientSampleId :
B-30-SB02RE

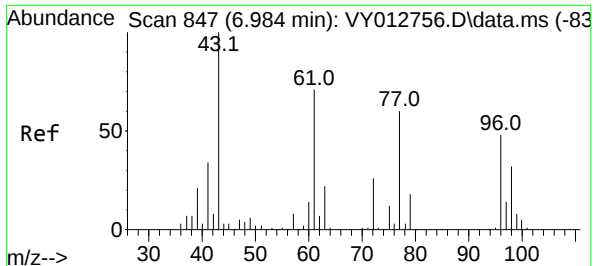
Tgt Ion: 76 Resp: 71112
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#20
Methylene Chloride
Concen: 10.505 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

Tgt Ion: 84 Resp: 13449
Ion Ratio Lower Upper
84 100
49 128.4 102.6 154.0
51 39.0 31.9 47.9
86 59.6 51.0 76.6





#25

2-Butanone

Concen: 14.287 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY013115.D

Acq: 28 Mar 2023 14:37

Instrument :

MSVOA_Y

ClientSampleId :

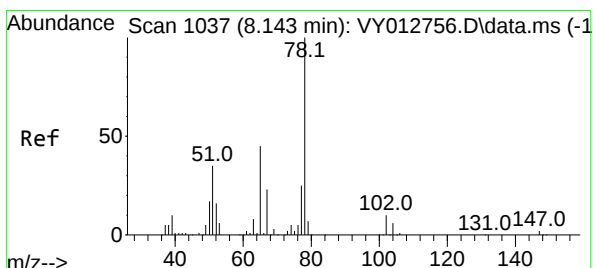
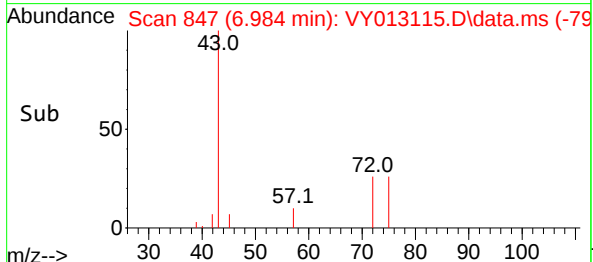
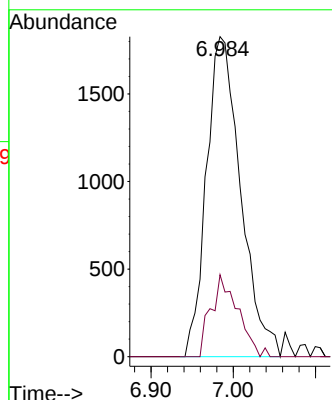
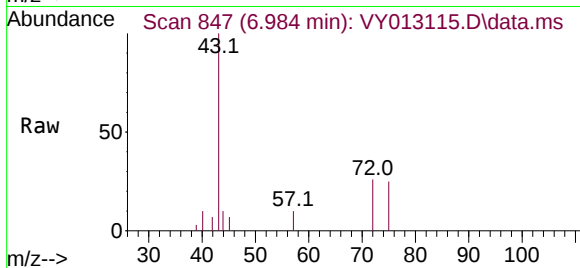
B-30-SB02RE

Tgt Ion: 43 Resp: 5288

Ion Ratio Lower Upper

43 100

72 25.6 21.0 31.4



#33

1,2-Dichloroethane-d4

Concen: 66.873 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY013115.D

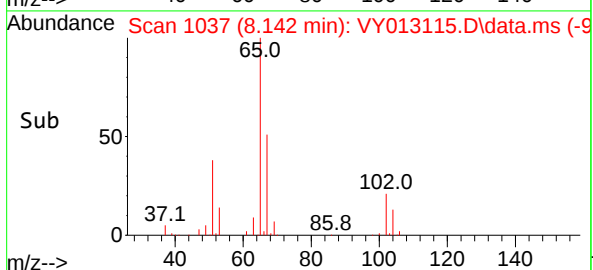
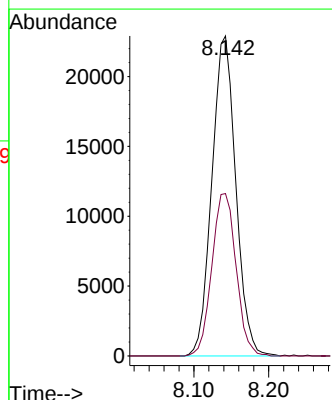
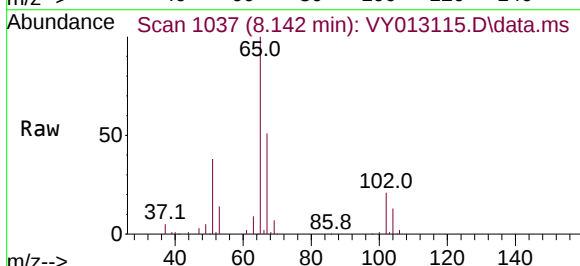
Acq: 28 Mar 2023 14:37

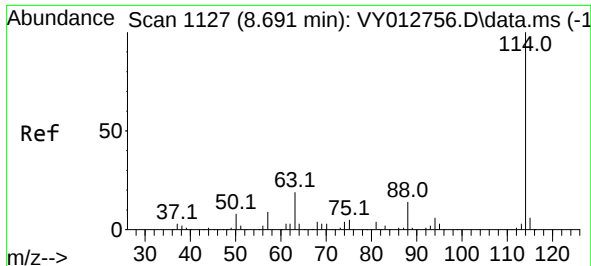
Tgt Ion: 65 Resp: 50911

Ion Ratio Lower Upper

65 100

67 51.3 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: VY013115.D

Acq: 28 Mar 2023 14:37

Instrument :

MSVOA_Y

ClientSampleId :

B-30-SB02RE

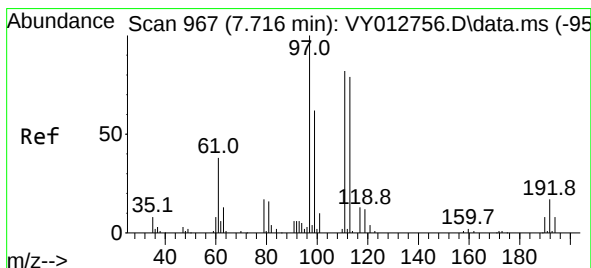
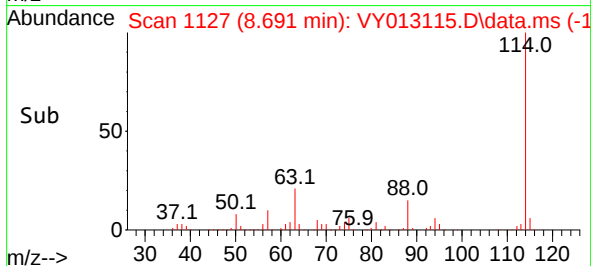
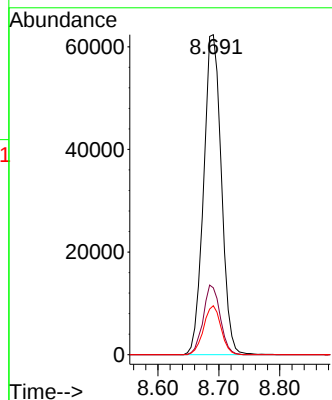
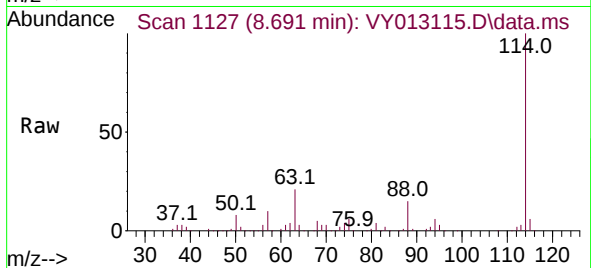
Tgt Ion:114 Resp: 125990

Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.4

88 15.3 0.0 28.6



#35

Dibromofluoromethane

Concen: 60.471 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013115.D

Acq: 28 Mar 2023 14:37

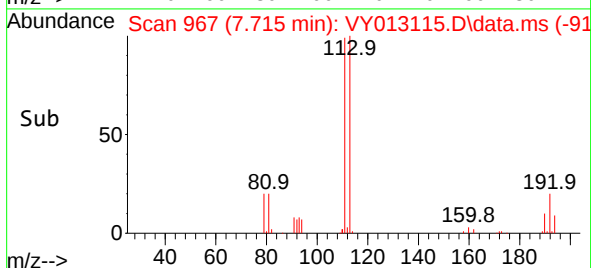
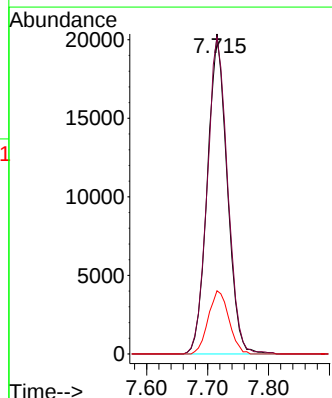
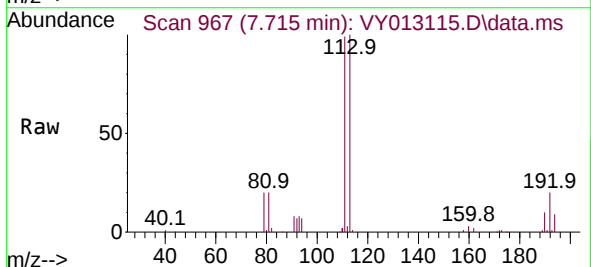
Tgt Ion:113 Resp: 45979

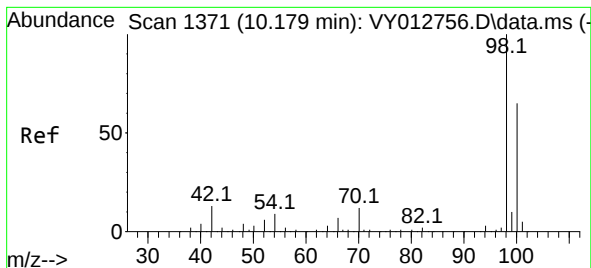
Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.2

192 20.5 16.8 25.2





#50

Toluene-d8

Concen: 53.312 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013115.D

Acq: 28 Mar 2023 14:37

Instrument :

MSVOA_Y

ClientSampleId :

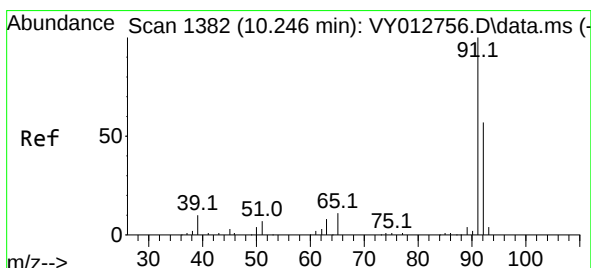
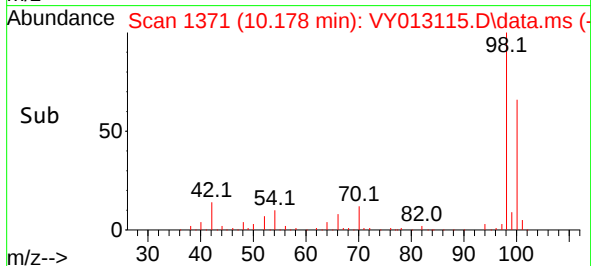
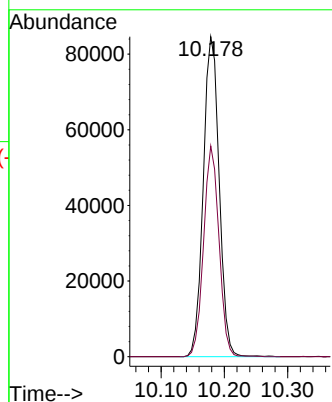
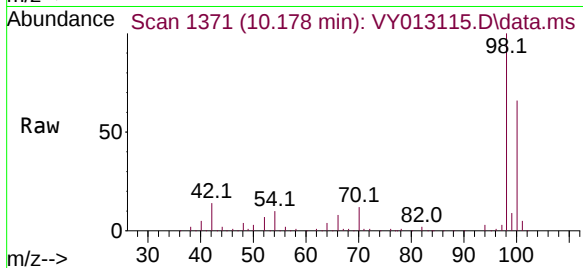
B-30-SB02RE

Tgt Ion: 98 Resp: 148191

Ion Ratio Lower Upper

98 100

100 63.6 50.9 76.3



#52

Toluene

Concen: 1.446 ug/l

RT: 10.245 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY013115.D

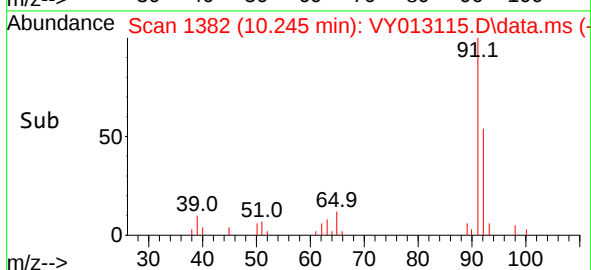
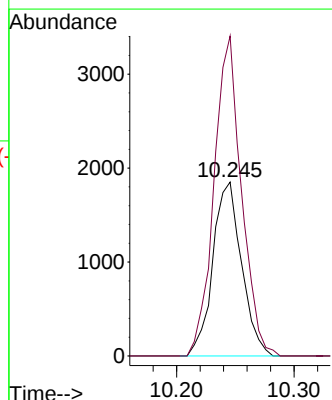
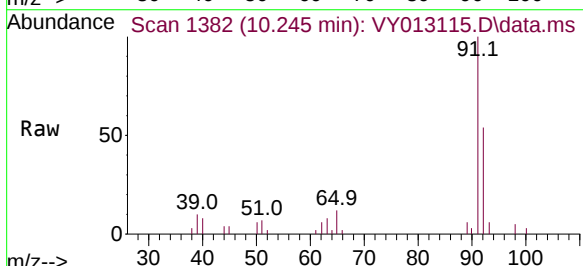
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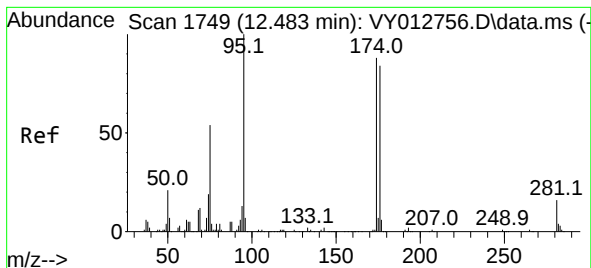
Tgt Ion: 92 Resp: 3143

Ion Ratio Lower Upper

92 100

91 176.1 141.3 211.9

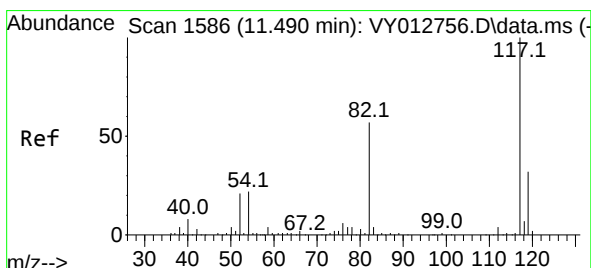
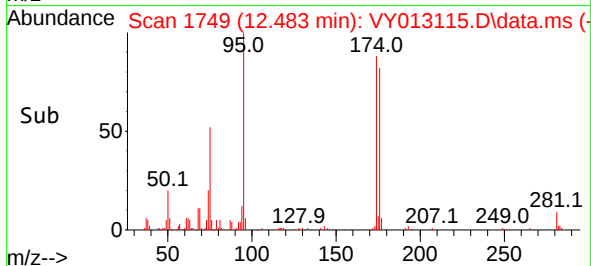
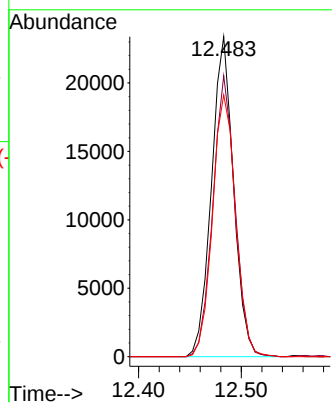
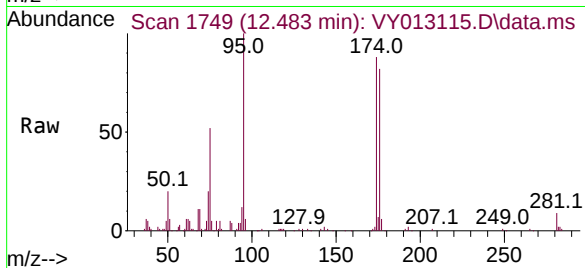




#62
4-Bromofluorobenzene
Concen: 37.124 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

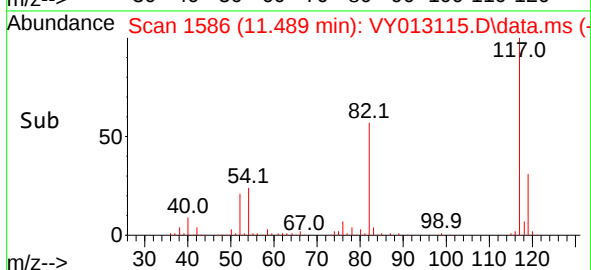
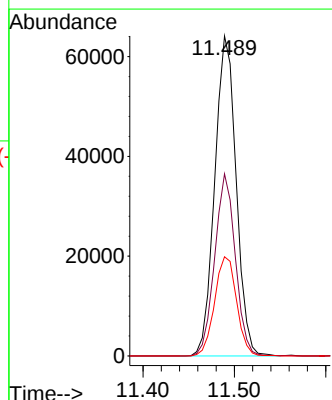
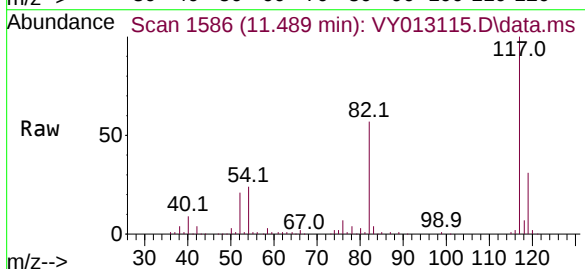
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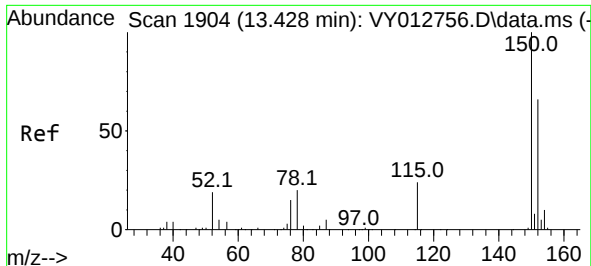
Tgt Ion: 95 Resp: 34830
Ion Ratio Lower Upper
95 100
174 88.3 0.0 176.6
176 85.5 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013115.D
Acq: 28 Mar 2023 14:37

Tgt Ion: 117 Resp: 104442
Ion Ratio Lower Upper
117 100
82 56.9 45.4 68.0
119 31.0 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: VY013115.D

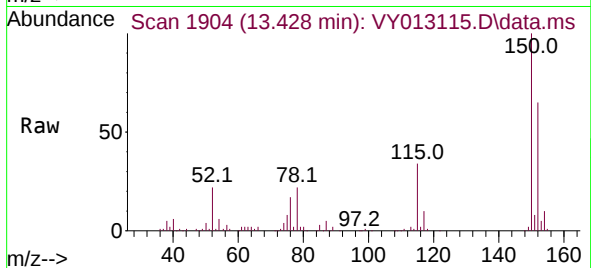
Acq: 28 Mar 2023 14:37

Instrument :

MSVOA_Y

ClientSampleId :

B-30-SB02RE



Tgt Ion:152 Resp: 31062

Ion Ratio Lower Upper

152 100

115 56.7 27.1 81.3

150 156.6 0.0 347.8

