

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
 Data File : VY015870.D
 Acq On : 06 Oct 2023 18:21
 Operator : SY/MD
 Sample : 04767-03
 Misc : 4.51g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 Q-3(10-15)

Quant Time: Oct 07 07:31:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 05:54:04 2023
 Response via : Initial Calibration

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

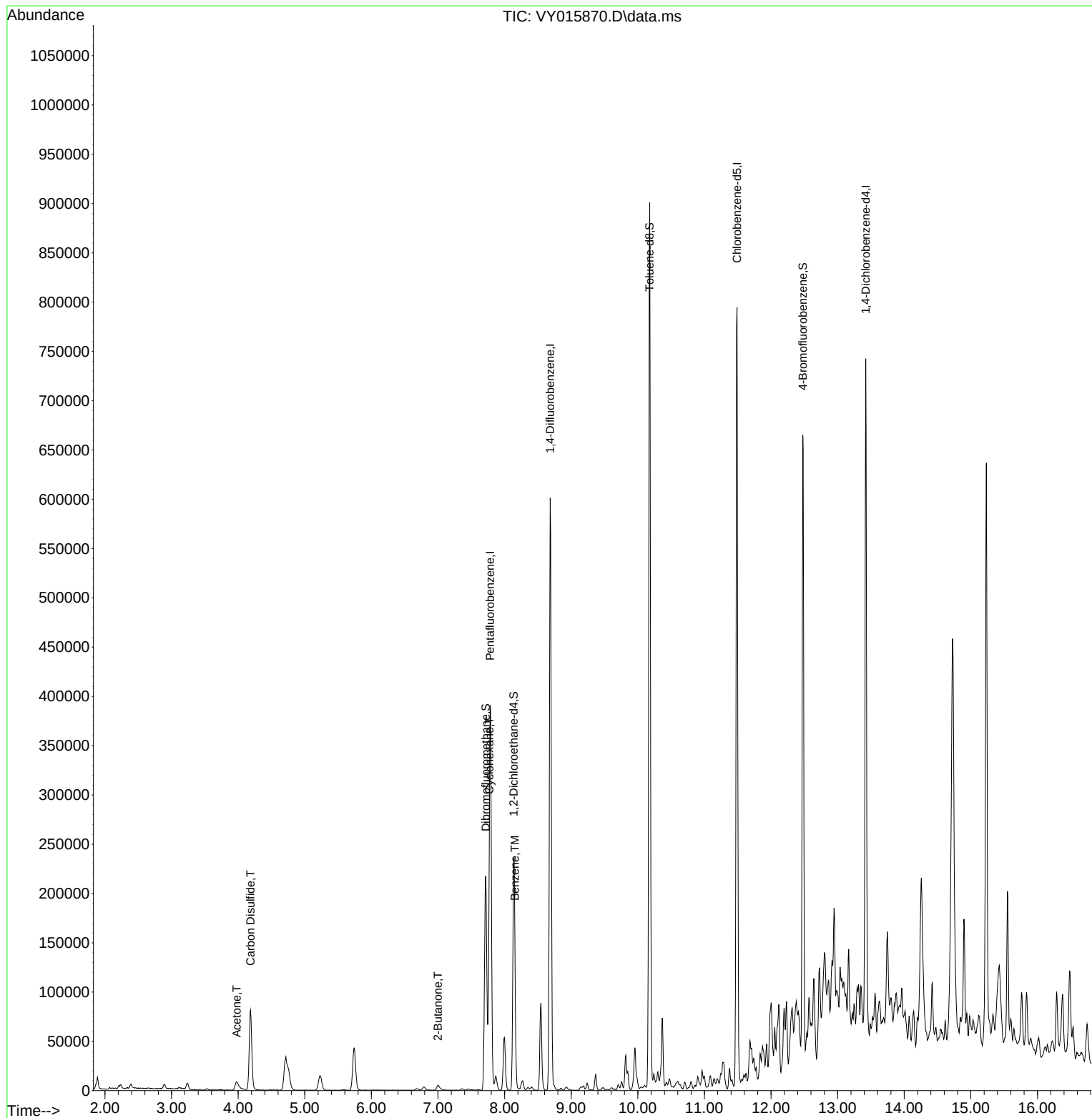
Internal Standards						
1) Pentafluorobenzene	7.783	168	302636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	515720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	443970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	174362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	185530	62.312	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.620%
35) Dibromofluoromethane	7.716	113	156607	53.275	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.540%
50) Toluene-d8	10.179	98	598695	62.729	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	125.460%
62) 4-Bromofluorobenzene	12.477	95	187932	48.173	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.340%
Target Compounds						
					Qvalue	
16) Acetone	3.979	43	23456	15.206	ug/l	94
17) Carbon Disulfide	4.186	76	166638	52.281	ug/l	100
25) 2-Butanone	6.996	43	7176	3.382	ug/l	96
31) Cyclohexane	7.771	56	12596	3.753	ug/l #	70
40) Benzene	8.155	78	12618	1.147	ug/l	94

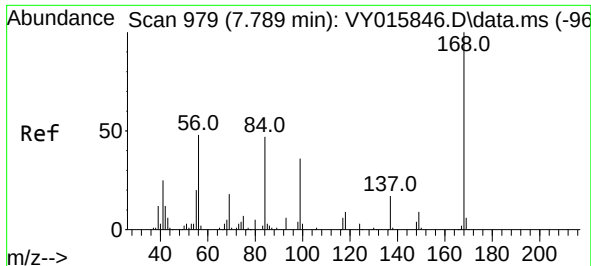
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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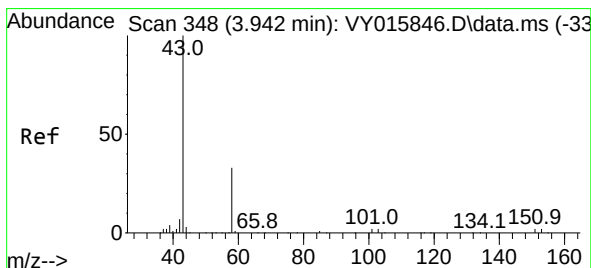
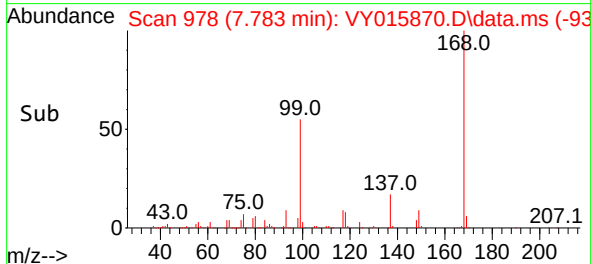
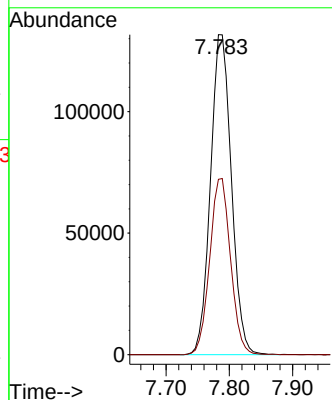
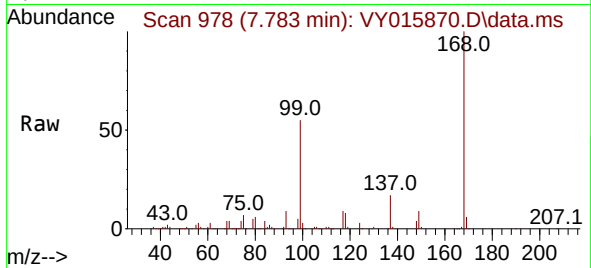




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

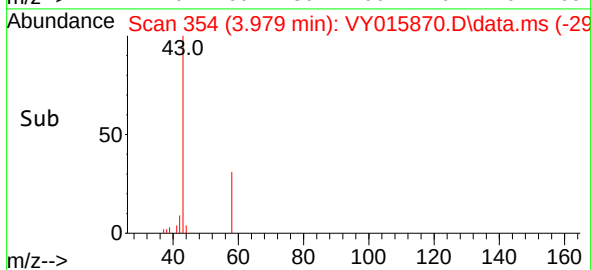
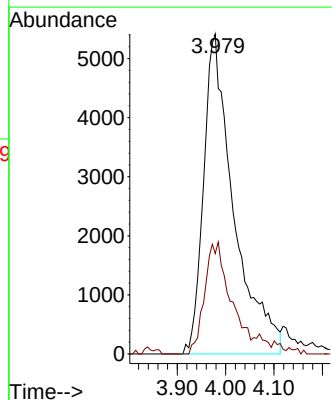
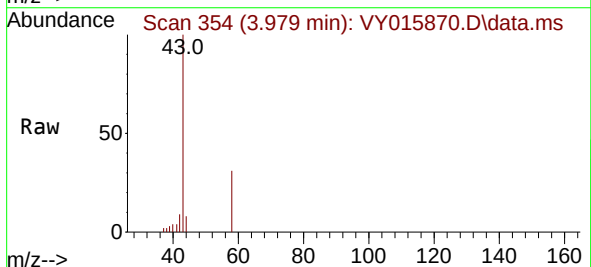
Instrument :
MSVOA_Y
ClientSampleId :
Q-3(10-15)

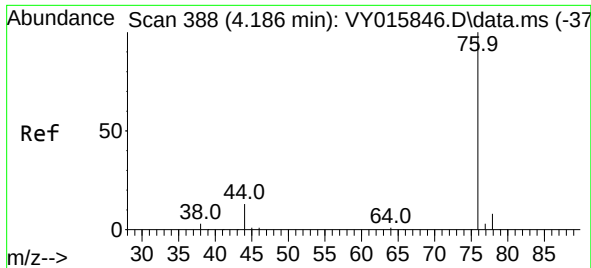
Tgt Ion:168 Resp: 302636
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0



#16
Acetone
Concen: 15.206 ug/l
RT: 3.979 min Scan# 354
Delta R.T. 0.037 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

Tgt Ion: 43 Resp: 23456
Ion Ratio Lower Upper
43 100
58 31.4 22.7 34.1

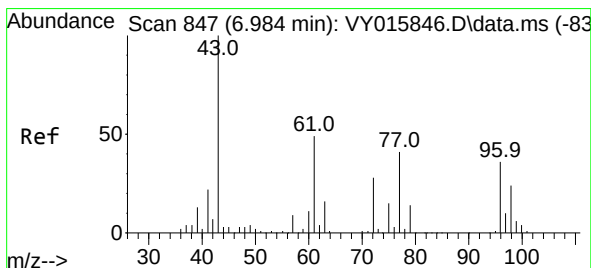
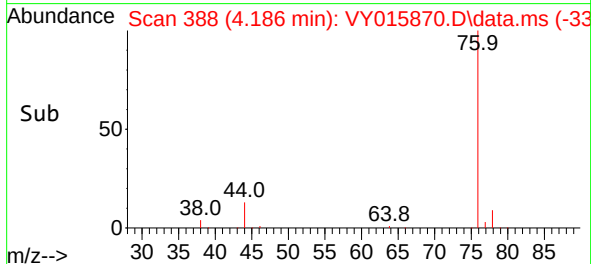
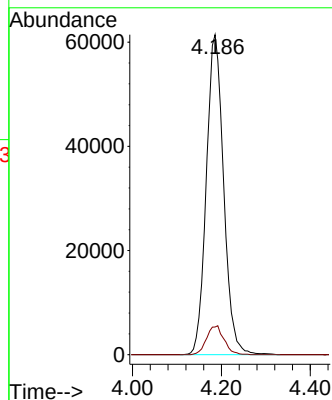
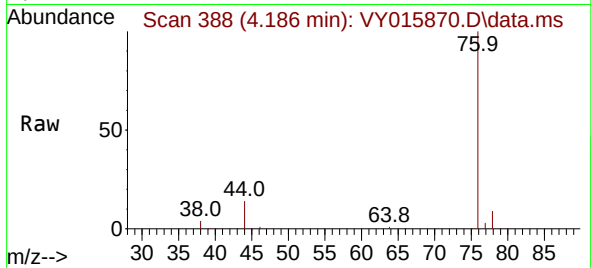




#17
Carbon Disulfide
Concen: 52.281 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

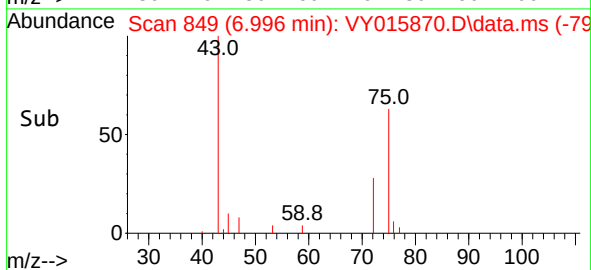
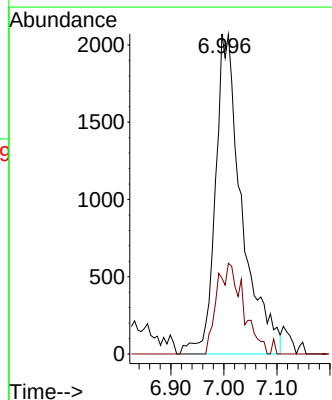
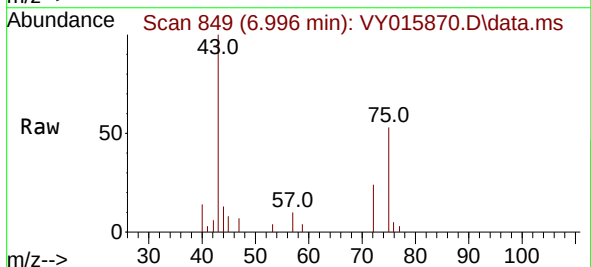
Instrument :
MSVOA_Y
ClientSampleId :
Q-3(10-15)

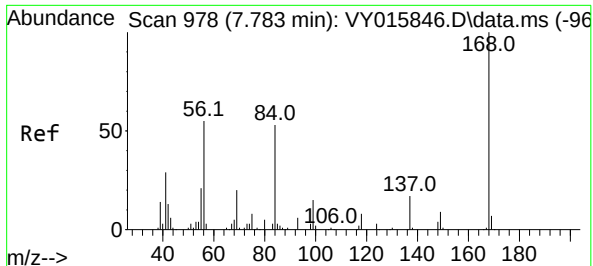
Tgt Ion: 76 Resp: 166638
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#25
2-Butanone
Concen: 3.382 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

Tgt Ion: 43 Resp: 7176
Ion Ratio Lower Upper
43 100
72 23.7 20.5 30.7

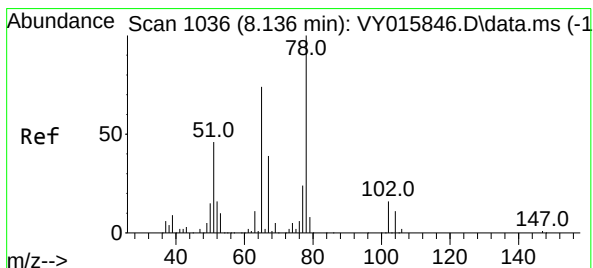
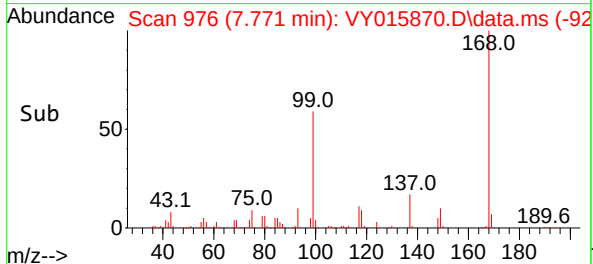
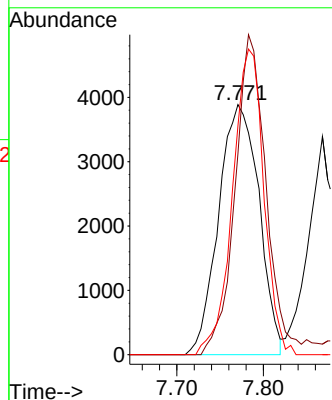
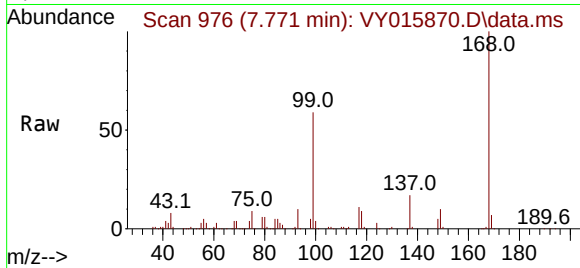




#31
Cyclohexane
Concen: 3.753 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

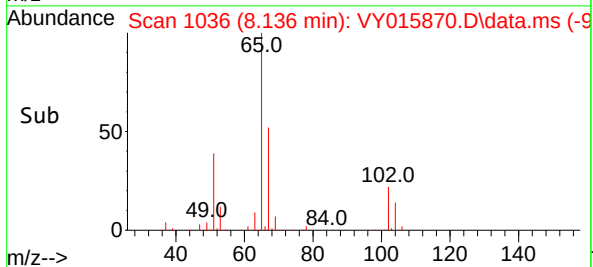
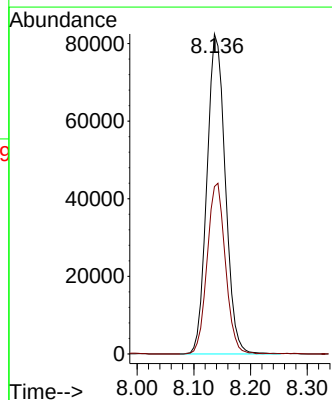
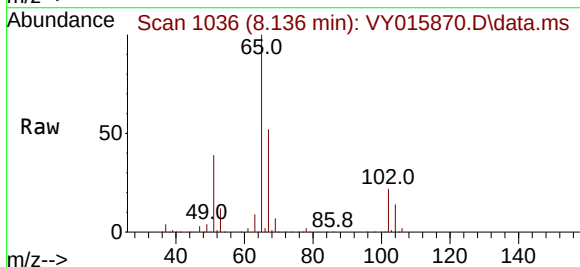
Instrument :
MSVOA_Y
ClientSampleId :
Q-3(10-15)

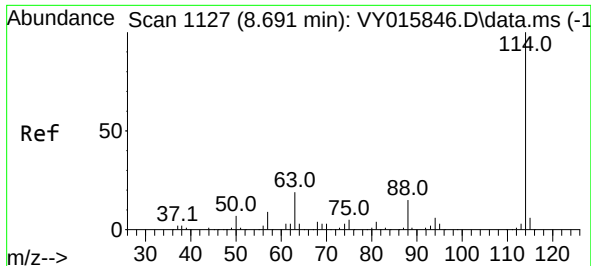
Tgt Ion: 56 Resp: 12596
Ion Ratio Lower Upper
56 100
69 80.5 27.8 41.6#
84 91.7 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 62.312 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

Tgt Ion: 65 Resp: 185530
Ion Ratio Lower Upper
65 100
67 53.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY015870.D

Acq: 06 Oct 2023 18:21

Instrument :

MSVOA_Y

ClientSampleId :

Q-3(10-15)

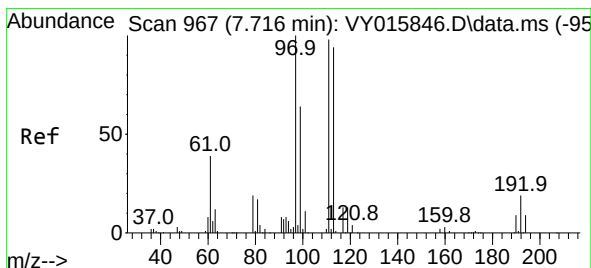
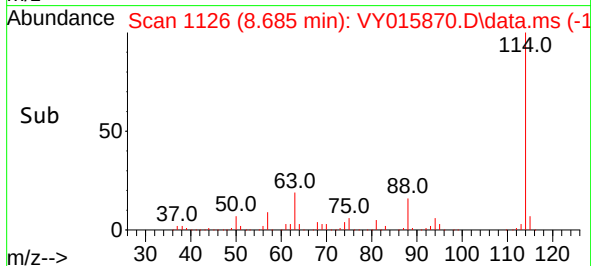
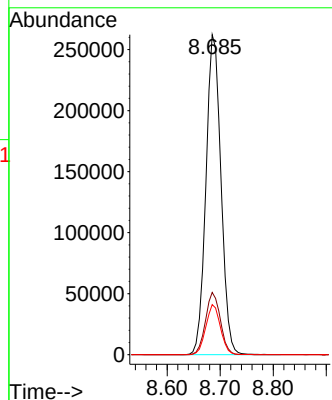
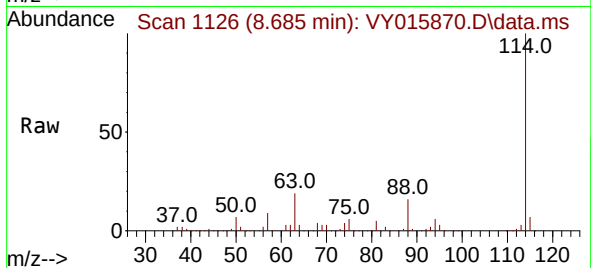
Tgt Ion:114 Resp: 515720

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.275 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015870.D

Acq: 06 Oct 2023 18:21

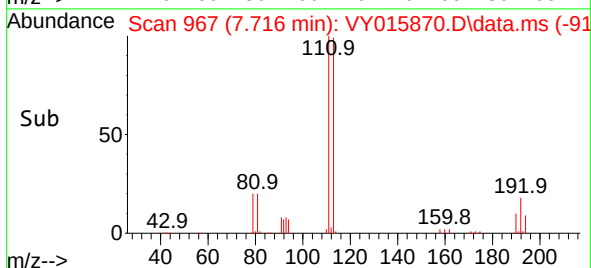
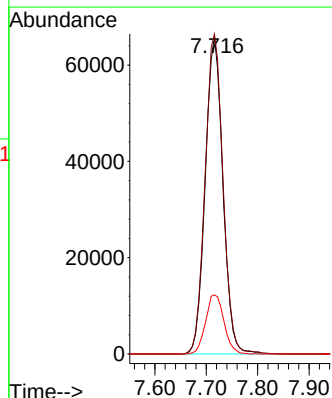
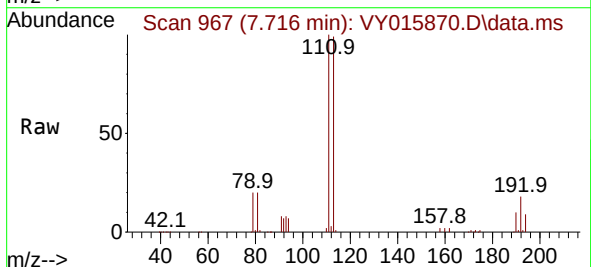
Tgt Ion:113 Resp: 156607

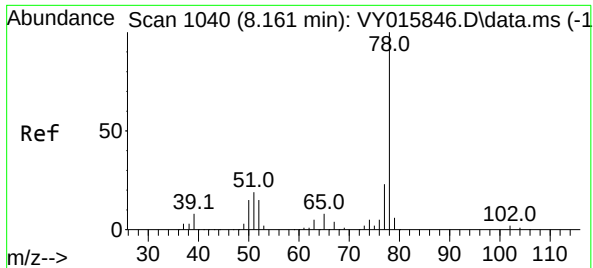
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 19.4 16.9 25.3





#40

Benzene

Concen: 1.147 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY015870.D

Acq: 06 Oct 2023 18:21

Instrument :

MSVOA_Y

ClientSampleId :

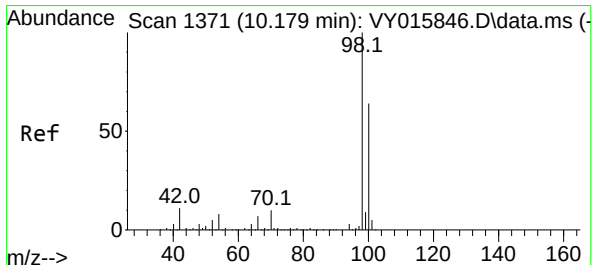
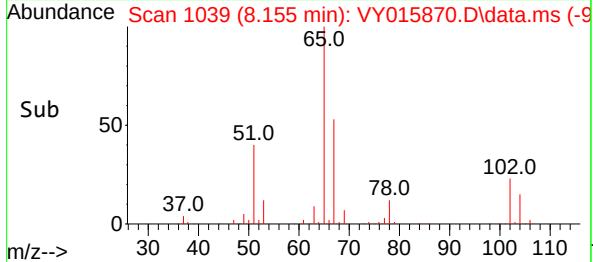
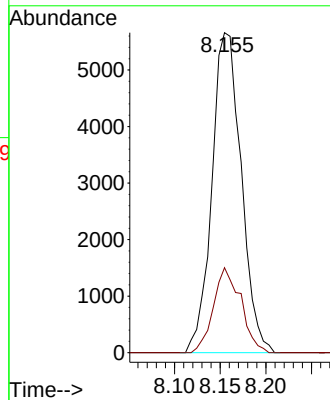
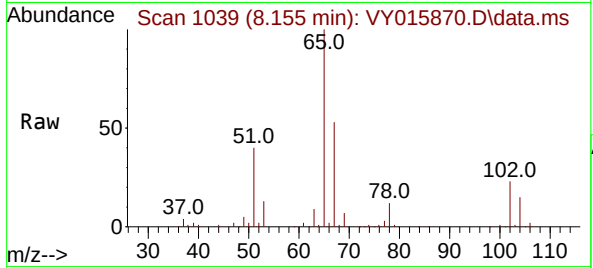
Q-3(10-15)

Tgt Ion: 78 Resp: 12618

Ion Ratio Lower Upper

78 100

77 26.6 19.0 28.6



#50

Toluene-d8

Concen: 62.729 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015870.D

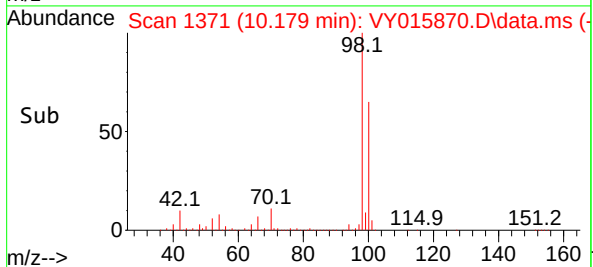
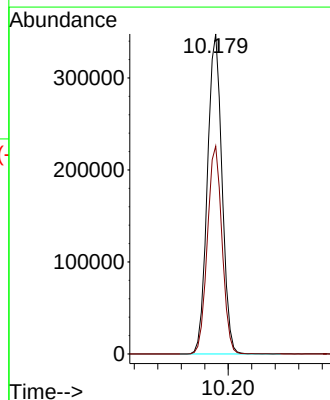
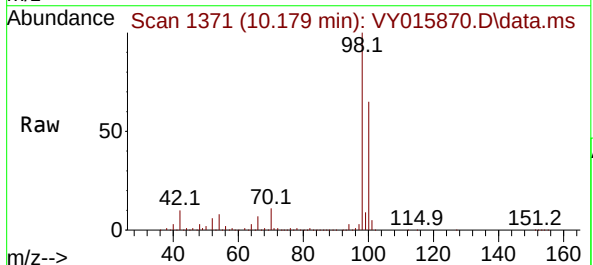
Acq: 06 Oct 2023 18:21

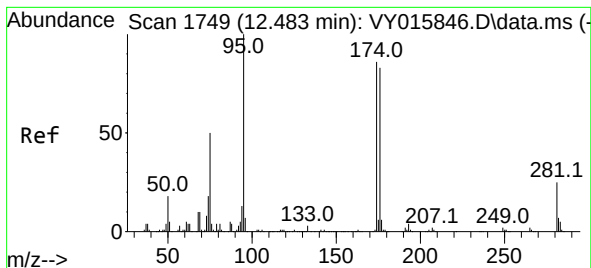
Tgt Ion: 98 Resp: 598695

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1

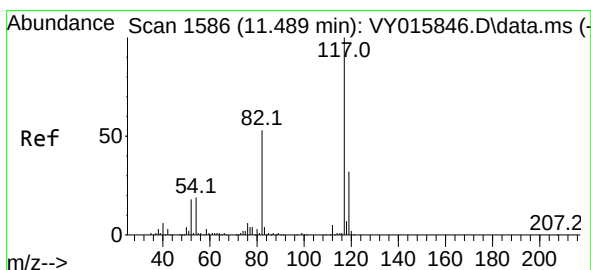
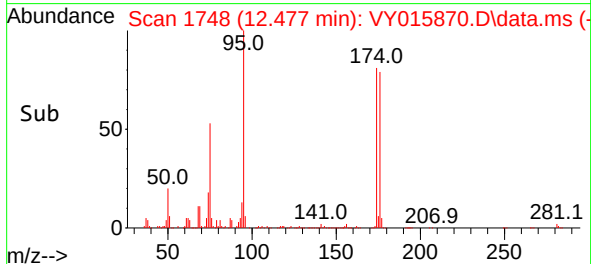
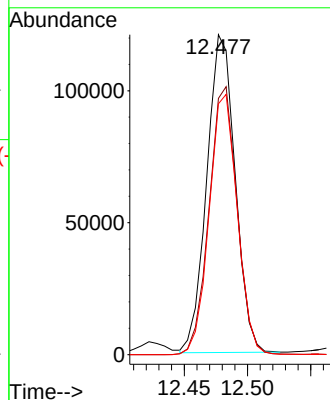
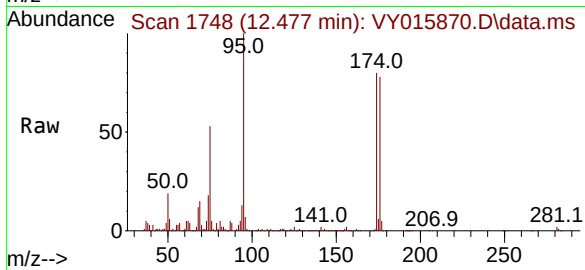




#62
4-Bromofluorobenzene
Concen: 48.173 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

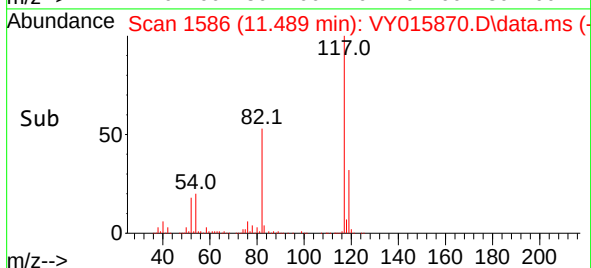
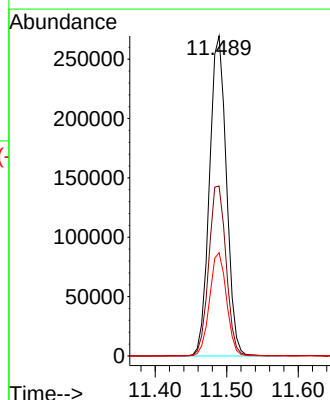
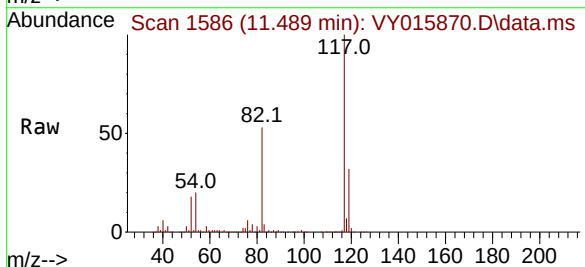
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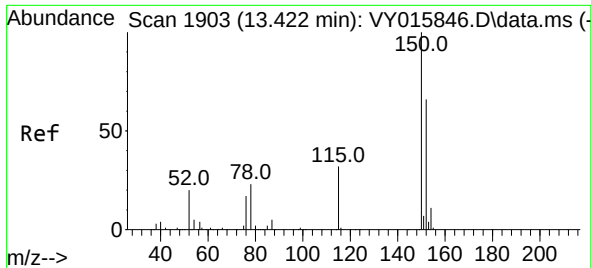
Tgt Ion: 95 Resp: 187932
Ion Ratio Lower Upper
95 100
174 83.7 0.0 178.2
176 81.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015870.D
Acq: 06 Oct 2023 18:21

Tgt Ion: 117 Resp: 443970
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 32.2 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015870.D

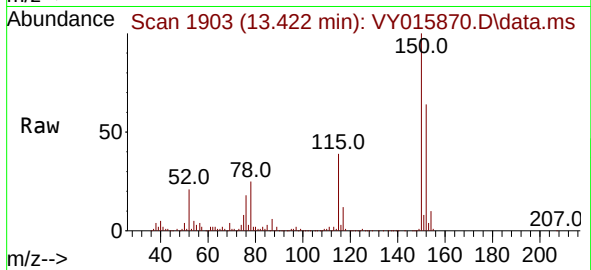
Acq: 06 Oct 2023 18:21

Instrument :

MSVOA_Y

ClientSampleId :

Q-3(10-15)



Tgt Ion:152 Resp: 174362

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 156.6 0.0 348.8

