

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092623\
 Data File : VY015715.D
 Acq On : 26 Sep 2023 17:58
 Operator : SY/MD
 Sample : 04613-04
 Misc : 3.31g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1018

Quant Time: Sep 27 01:35:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

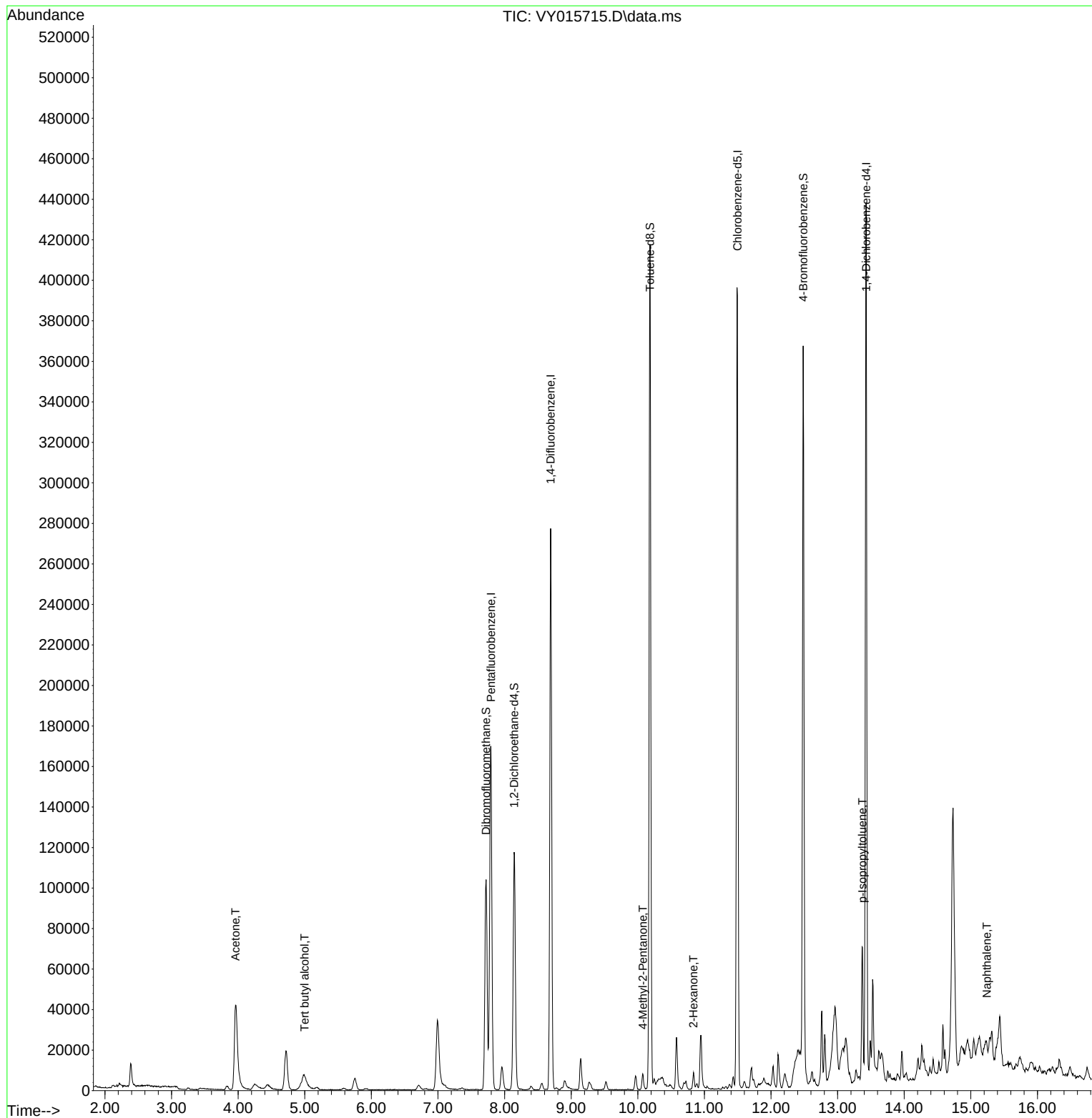
Internal Standards						
1) Pentafluorobenzene	7.795	168	135417	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	232793	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	219744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	107473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	90138	60.497	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.000%	
35) Dibromofluoromethane	7.722	113	75137	53.926	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.860%	
50) Toluene-d8	10.185	98	272696	57.722	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 115.440%	
62) 4-Bromofluorobenzene	12.483	95	101232	54.602	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.997	59	22480	14.607	ug/l #	84
16) Acetone	3.960	43	94594	118.634	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	5421	2.492	ug/l	92
59) 2-Hexanone	10.837	43	5343	3.201	ug/l	99
86) p-Isopropyltoluene	13.373	119	35841	4.850	ug/l	98
95) Naphthalene	15.239	128	7897	1.327	ug/l #	96

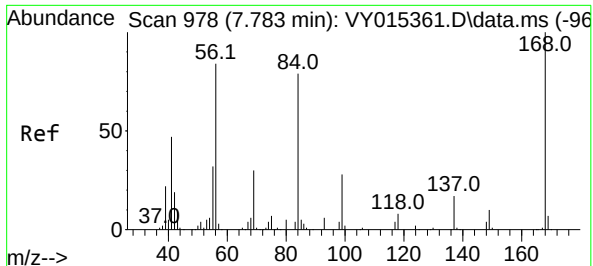
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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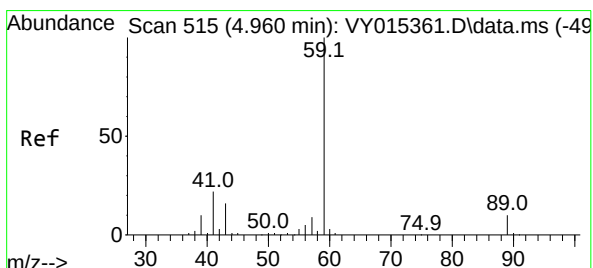
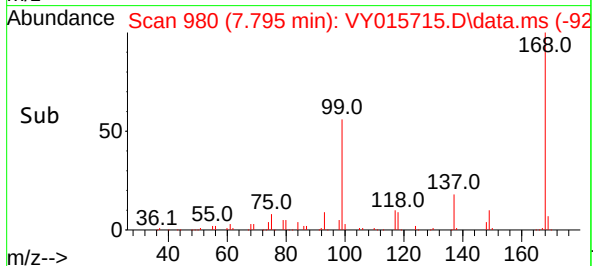
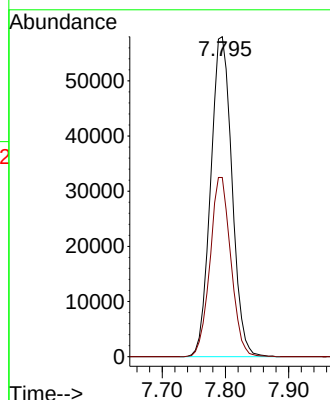
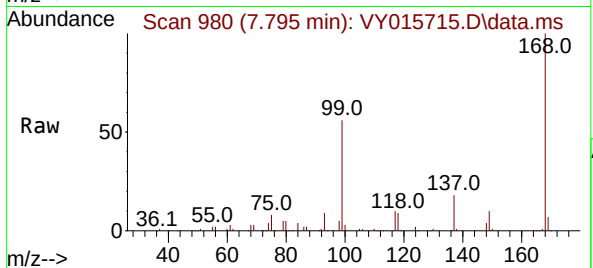




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 918
Delta R.T. 0.012 min
Lab File: VY015715.D
Acq: 26 Sep 2023 17:58

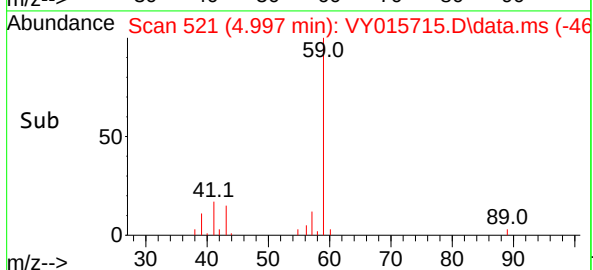
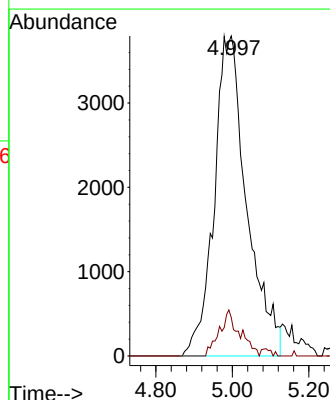
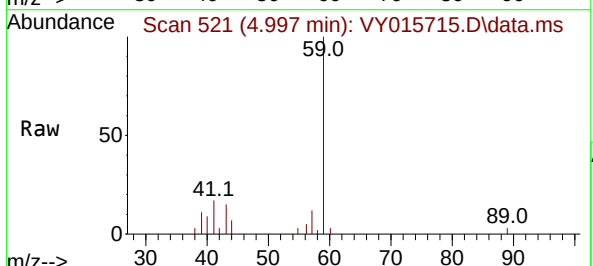
Instrument :
MSVOA_Y
ClientSampleId :
1018

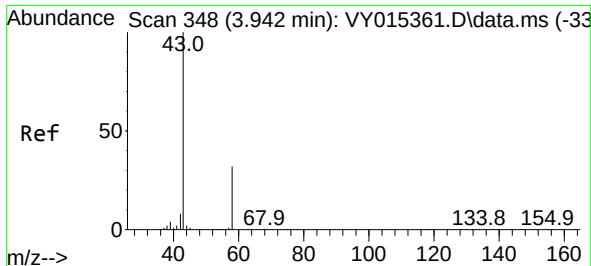
Tgt Ion:168 Resp: 135417
Ion Ratio Lower Upper
168 100
99 56.0 43.4 65.0



#11
Tert butyl alcohol
Concen: 14.607 ug/l
RT: 4.997 min Scan# 521
Delta R.T. 0.043 min
Lab File: VY015715.D
Acq: 26 Sep 2023 17:58

Tgt Ion: 59 Resp: 22480
Ion Ratio Lower Upper
59 100
57 8.9 3.0 4.4#





#16

Acetone

Concen: 118.634 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.018 min

Lab File: VY015715.D

Acq: 26 Sep 2023 17:58

Instrument :

MSVOA_Y

ClientSampleId :

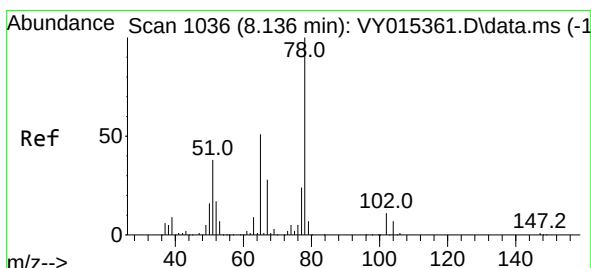
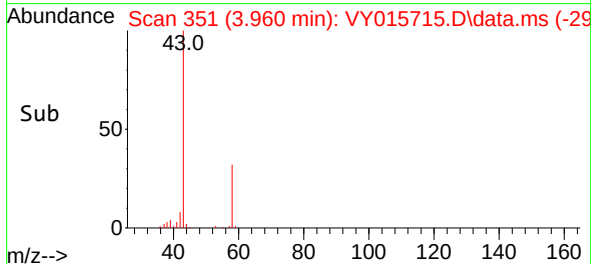
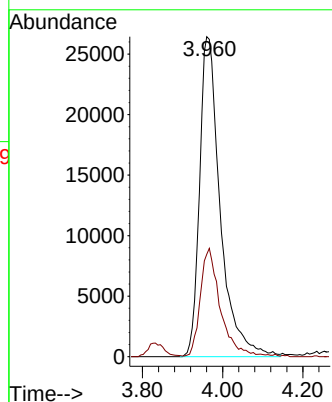
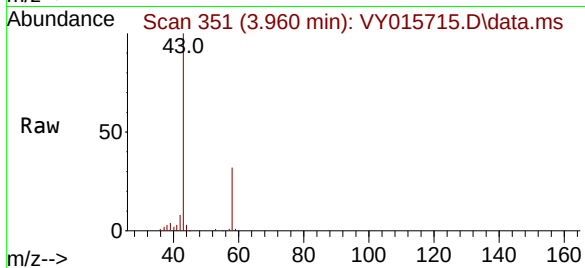
1018

Tgt Ion: 43 Resp: 94594

Ion Ratio Lower Upper

43 100

58 31.8 22.7 34.1



#33

1,2-Dichloroethane-d4

Concen: 60.497 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.007 min

Lab File: VY015715.D

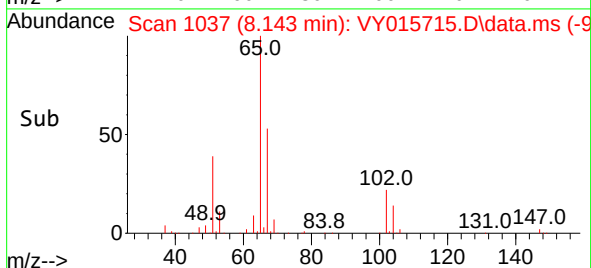
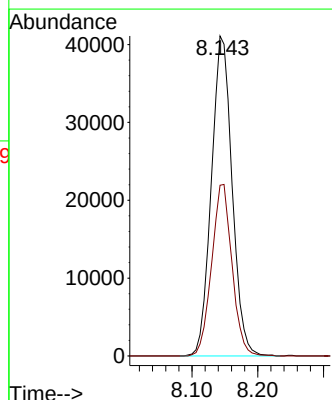
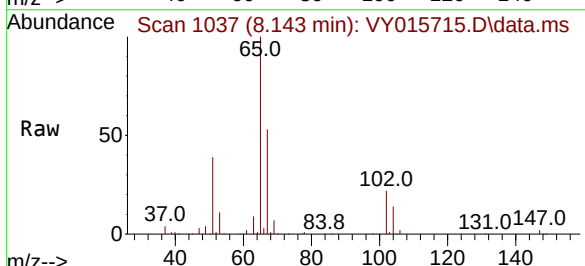
Acq: 26 Sep 2023 17:58

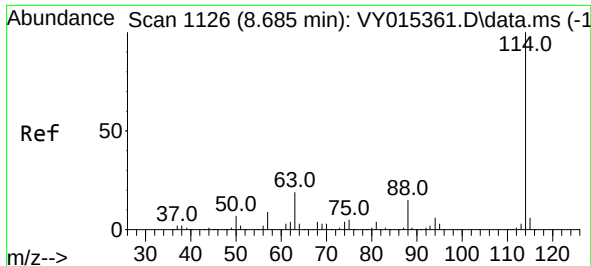
Tgt Ion: 65 Resp: 90138

Ion Ratio Lower Upper

65 100

67 52.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015715.D

Acq: 26 Sep 2023 17:58

Instrument :

MSVOA_Y

ClientSampleId :

1018

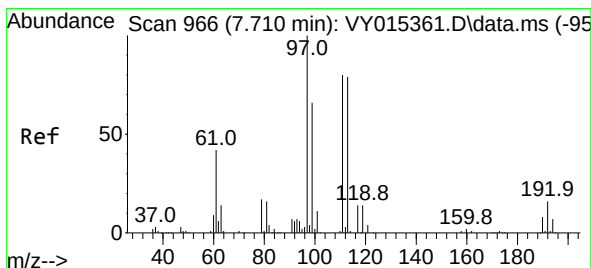
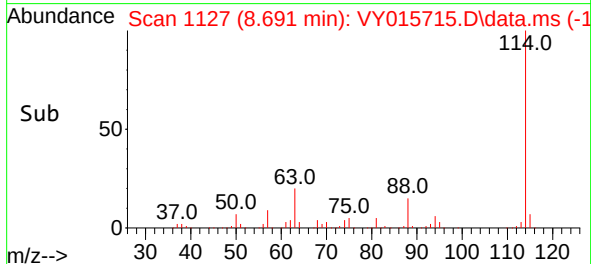
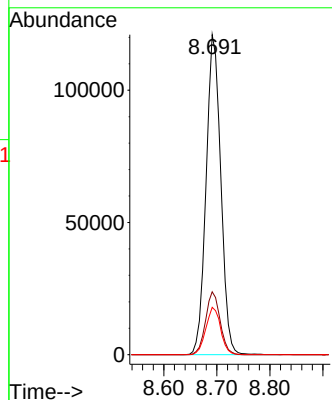
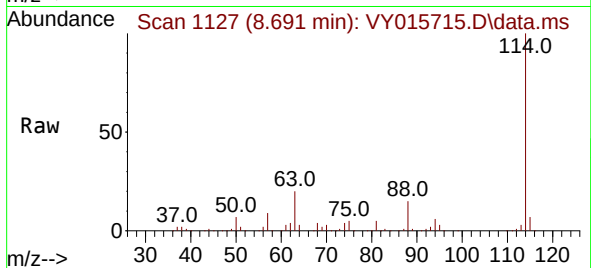
Tgt Ion:114 Resp: 232793

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.926 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY015715.D

Acq: 26 Sep 2023 17:58

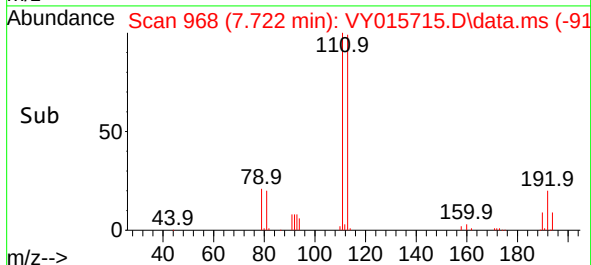
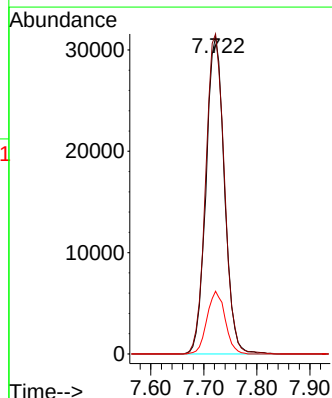
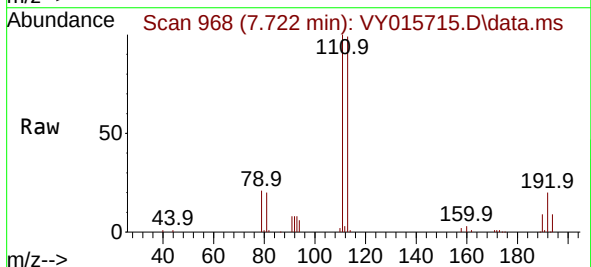
Tgt Ion:113 Resp: 75137

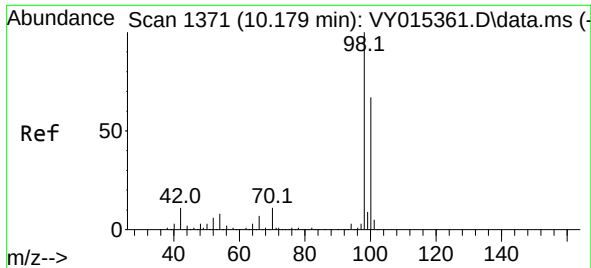
Ion Ratio Lower Upper

113 100

111 102.6 81.3 121.9

192 19.5 16.9 25.3

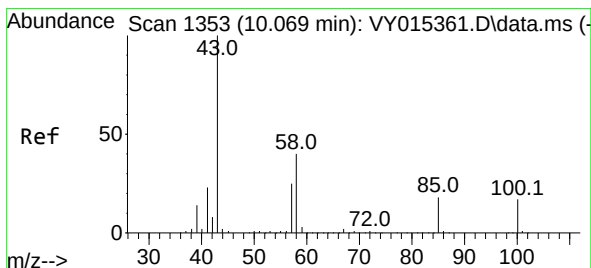
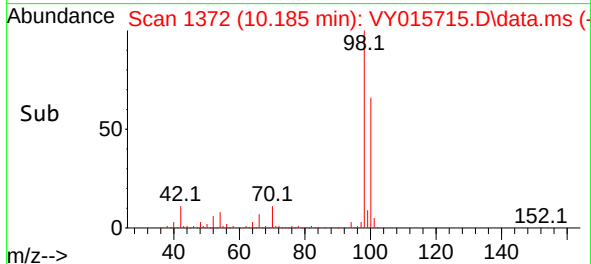
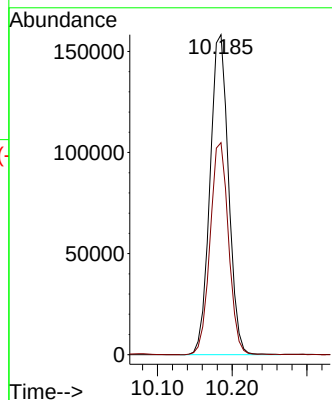
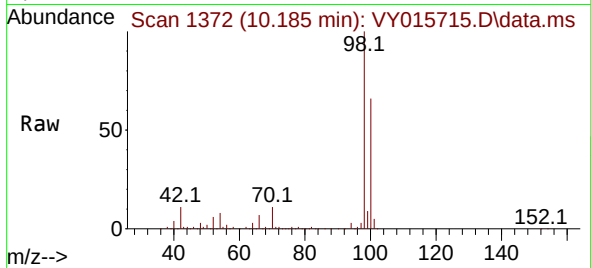




#50
Toluene-d8
Concen: 57.722 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015715.D
Acq: 26 Sep 2023 17:58

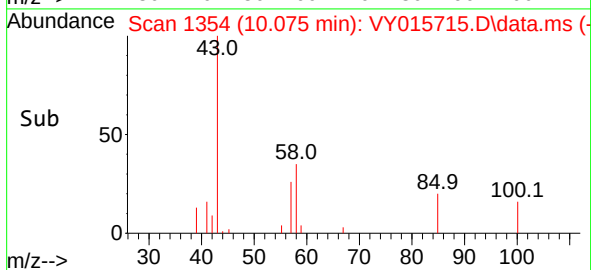
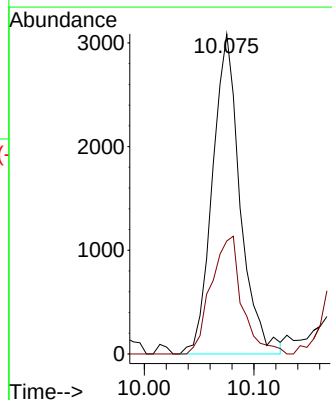
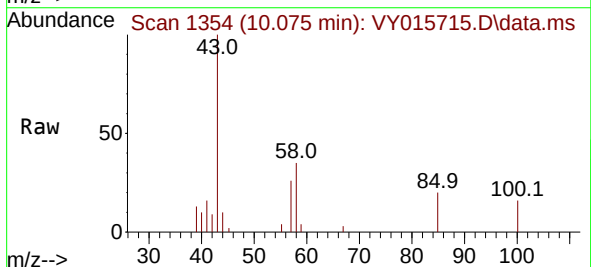
Instrument :
MSVOA_Y
ClientSampleId :
1018

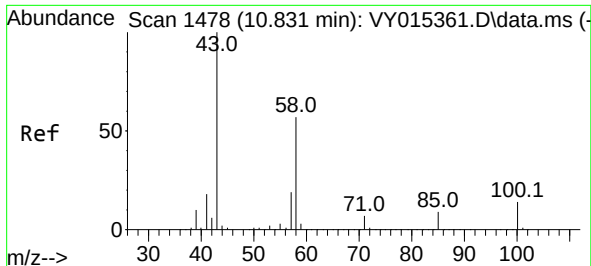
Tgt Ion: 98 Resp: 272696
Ion Ratio Lower Upper
98 100
100 66.0 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 2.492 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY015715.D
Acq: 26 Sep 2023 17:58

Tgt Ion: 43 Resp: 5421
Ion Ratio Lower Upper
43 100
58 40.9 29.0 43.6

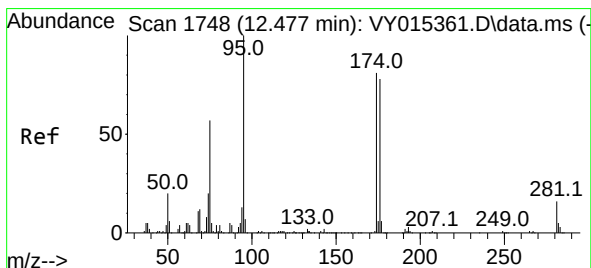
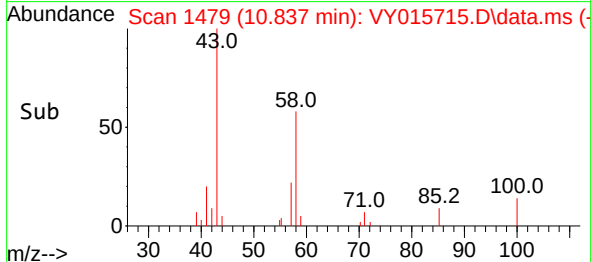
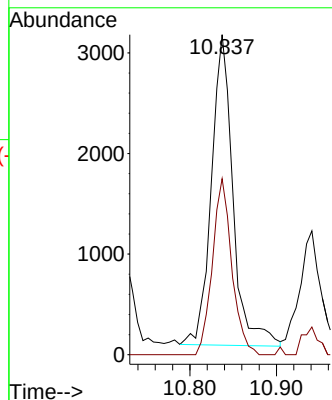
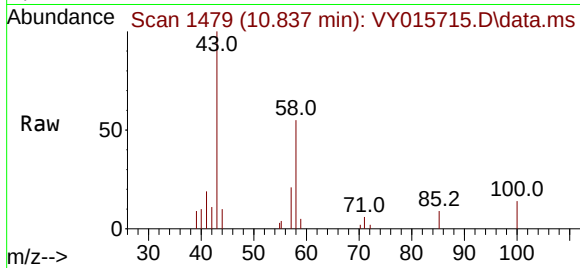




#59
2-Hexanone
Concen: 3.201 ug/l
RT: 10.837 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VY015715.D
Acq: 26 Sep 2023 17:58

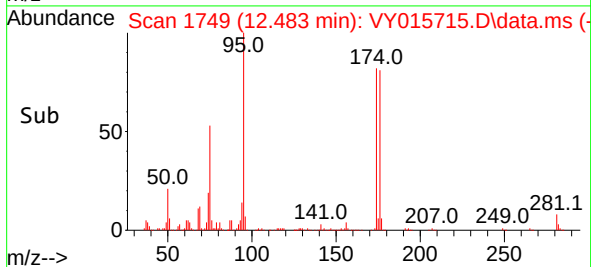
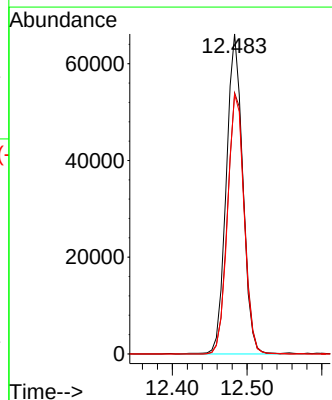
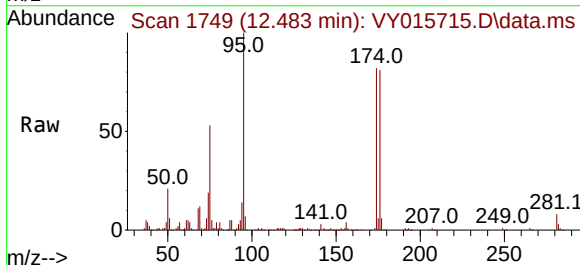
Instrument :
MSVOA_Y
ClientSampleId :
1018

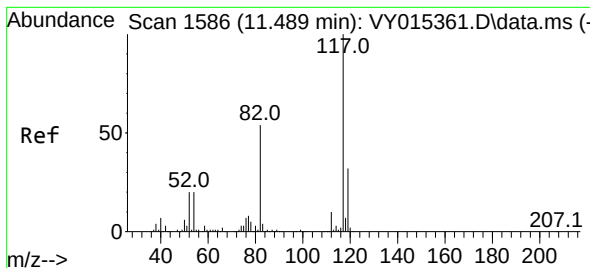
Tgt Ion: 43 Resp: 5343
Ion Ratio Lower Upper
43 100
58 51.0 25.1 75.3



#62
4-Bromofluorobenzene
Concen: 54.602 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015715.D
Acq: 26 Sep 2023 17:58

Tgt Ion: 95 Resp: 101232
Ion Ratio Lower Upper
95 100
174 83.3 0.0 178.2
176 81.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY015715.D

Acq: 26 Sep 2023 17:58

Instrument :

MSVOA_Y

ClientSampleId :

1018

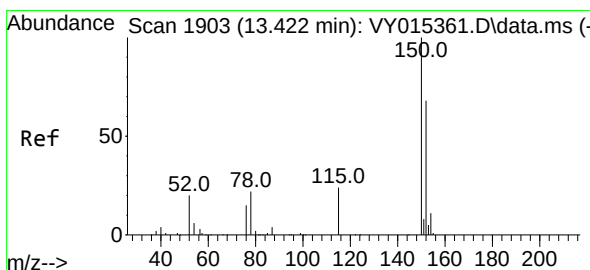
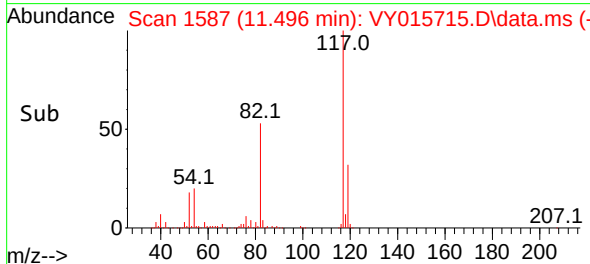
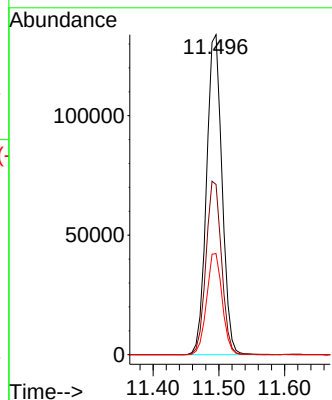
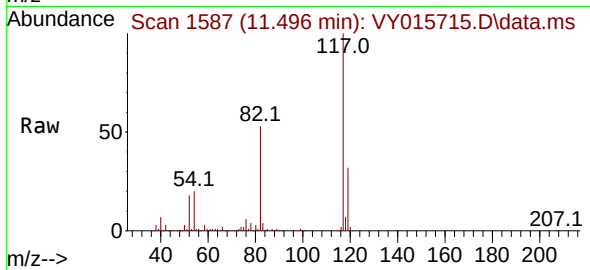
Tgt Ion:117 Resp: 219744

Ion Ratio Lower Upper

117 100

82 53.2 43.4 65.0

119 31.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015715.D

Acq: 26 Sep 2023 17:58

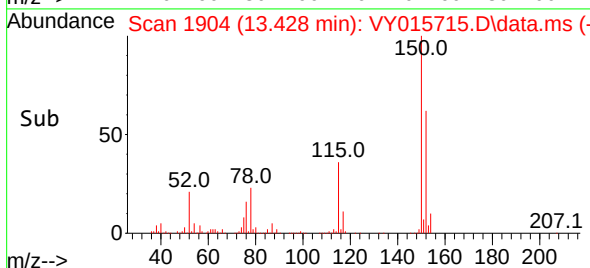
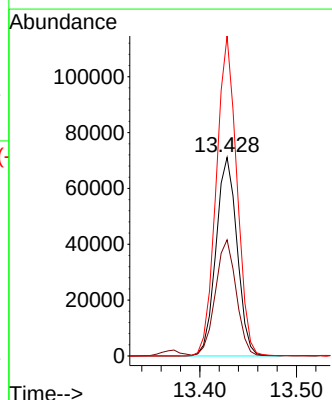
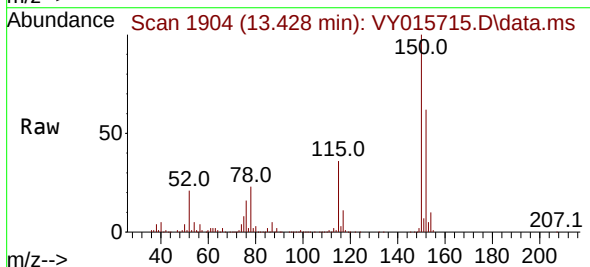
Tgt Ion:152 Resp: 107473

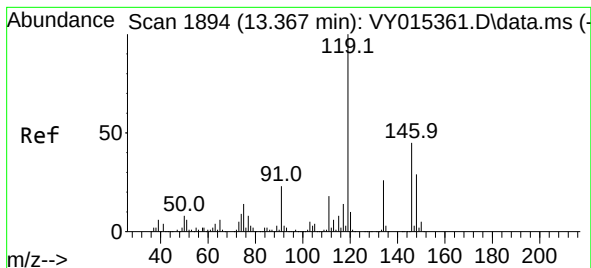
Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 157.6 0.0 348.8





#86

p-Isopropyltoluene

Concen: 4.850 ug/l

RT: 13.373 min Scan# 119

Delta R.T. 0.006 min

Lab File: VY015715.D

Acq: 26 Sep 2023 17:58

Instrument :

MSVOA_Y

ClientSampleId :

1018

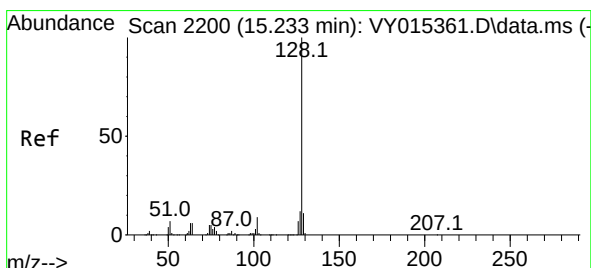
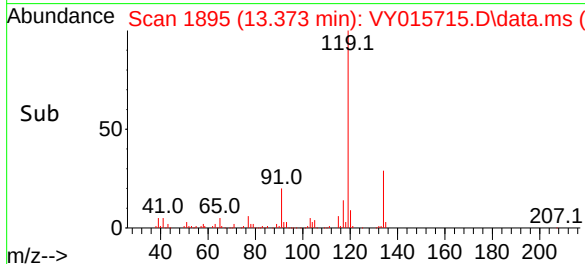
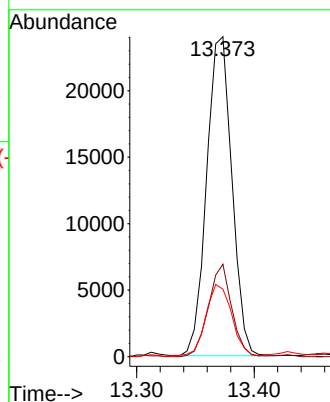
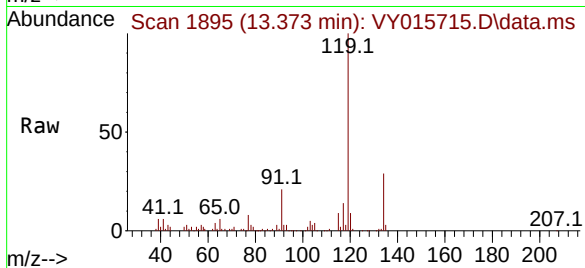
Tgt Ion:119 Resp: 35841

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 23.6 12.4 37.4



#95

Naphthalene

Concen: 1.327 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY015715.D

Acq: 26 Sep 2023 17:58

Tgt Ion:128 Resp: 7897

Ion Ratio Lower Upper

128 100

127 16.6 10.8 16.2#

129 10.9 8.6 13.0

