

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002551.D
 Acq On : 04 May 2020 19:02
 Operator : SY/MD
 Sample : L2457-01
 Misc : 5.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1360-1361

Quant Time: May 05 08:34:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

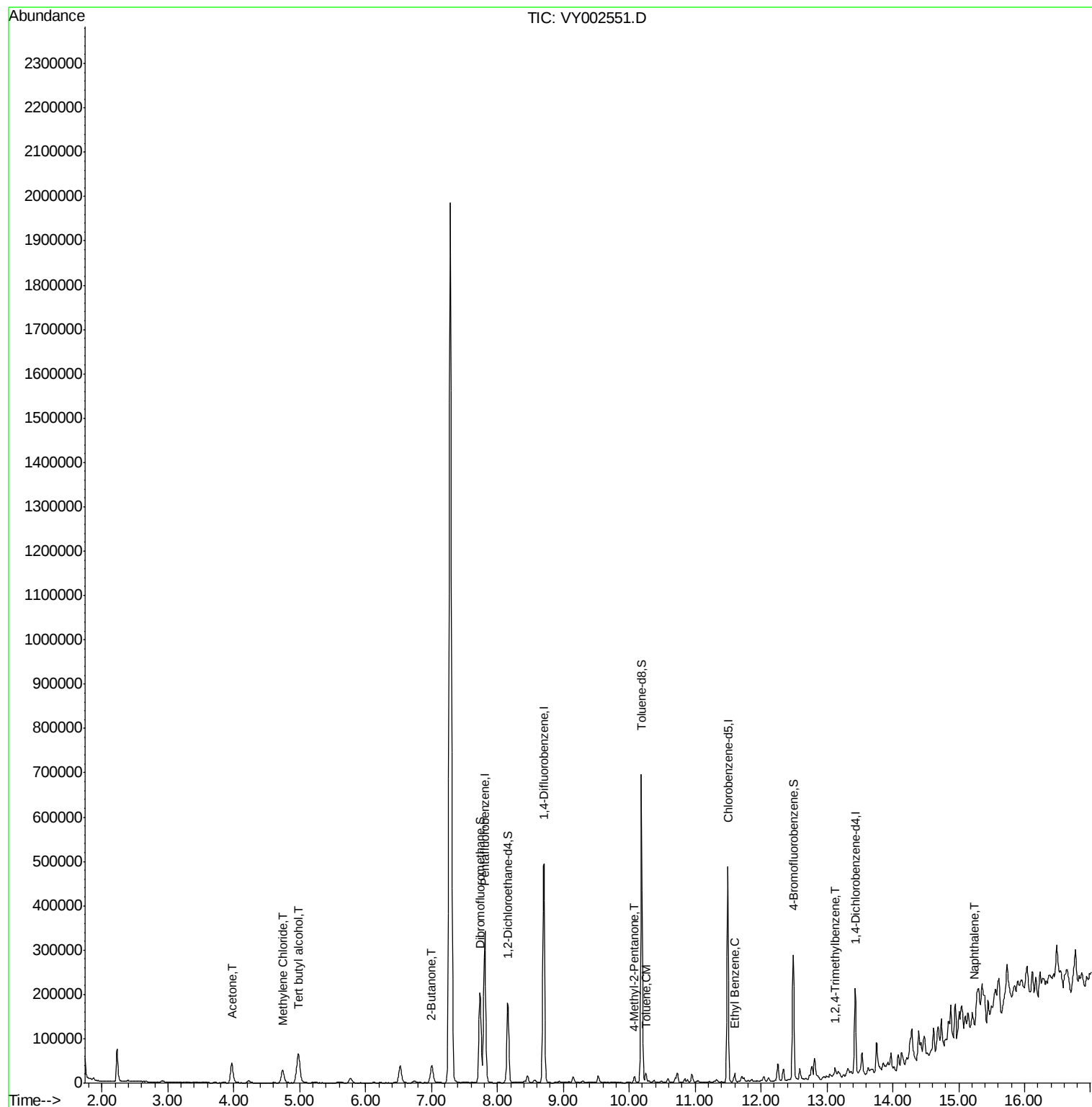
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	289652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	452351	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	278741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	52662	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	138808	56.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.98%	
35) Dibromofluoromethane	7.74	113	144982	56.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.08%	
50) Toluene-d8	10.19	98	466489	46.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.34%	
62) 4-Bromofluorobenzene	12.48	95	79099	23.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	46.14%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.98	59	137374	548.255	ug/l	98
16) Acetone	3.97	43	77536	154.263	ug/l	100
20) Methylene Chloride	4.74	84	23196	8.253	ug/l	96
25) 2-Butanone	7.01	43	29683	36.077	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	9228	4.901	ug/l	96
52) Toluene	10.25	92	8351	1.186	ug/l	98
67) Ethyl Benzene	11.60	91	13205	1.419	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	8788	3.117	ug/l	99
95) Naphthalene	15.24	128	5029	2.637	ug/l #	80

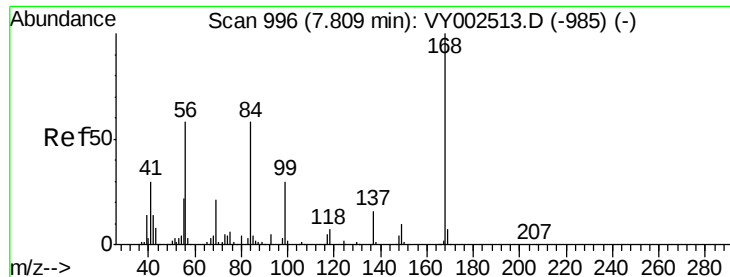
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
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Acq On : 04 May 2020 19:02
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002551.D

Acq: 04 May 2020 19:02

Instrument :

MSVOA_Y

ClientSampleId :

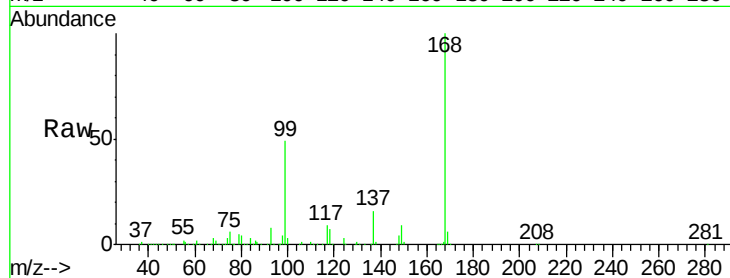
1360-1361

Tot Ion:168 Resp: 289652

Ion Ratio Lower Upper

168 100

99 49.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002551.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002551.D (-947) (-)

7.81

150000

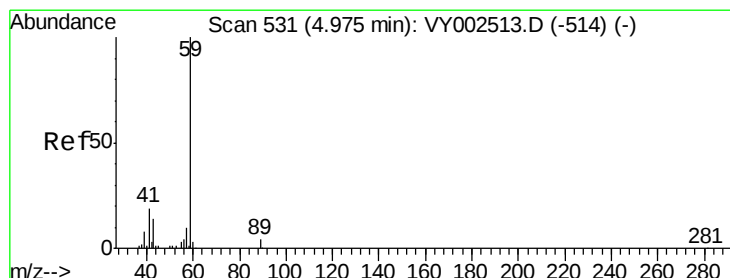
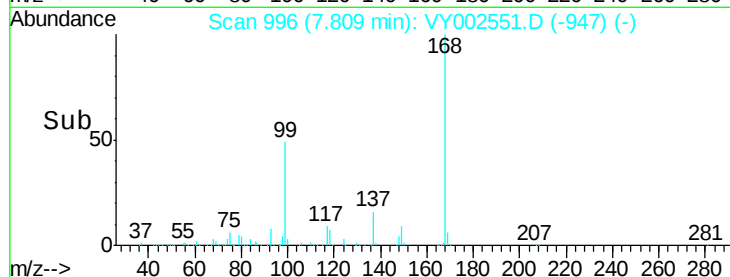
100000

50000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 548.255 ug/l

RT: 4.98 min Scan# 532

Delta R.T. 0.01 min

Lab File: VY002551.D

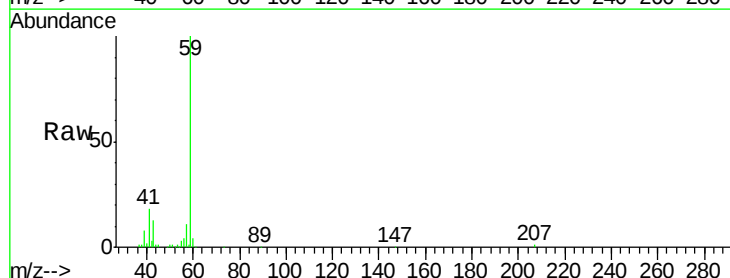
Acq: 04 May 2020 19:02

Tgt Ion: 59 Resp: 137374

Ion Ratio Lower Upper

59 100

57 10.5 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VY002551.D (-482) (-)

Ion 57.00 (56.70 to 57.70): VY002551.D (-482) (-)

4.98

40000

30000

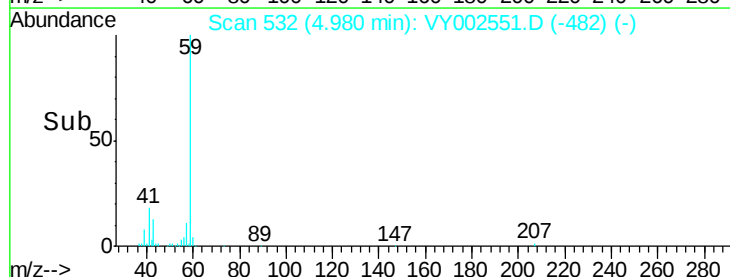
20000

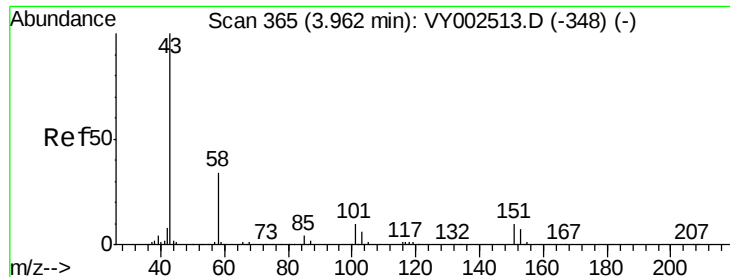
10000

0

4.80 5.00 5.20

Time-->





#16

Acetone

Concen: 154.263 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002551.D

Acq: 04 May 2020 19:02

Instrument :

MSVOA_Y

ClientSampleId :

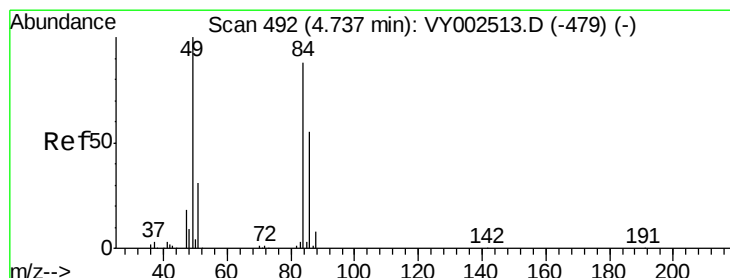
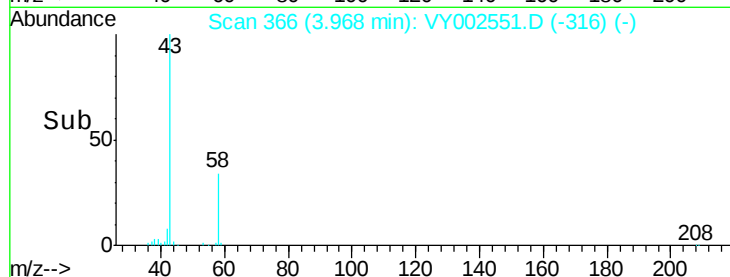
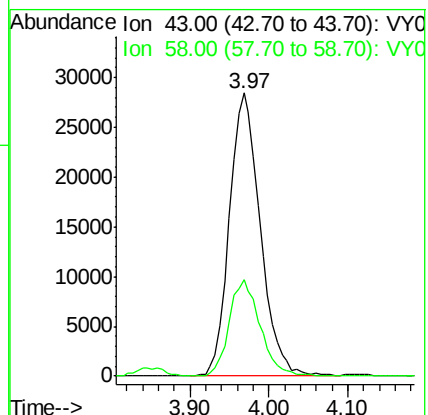
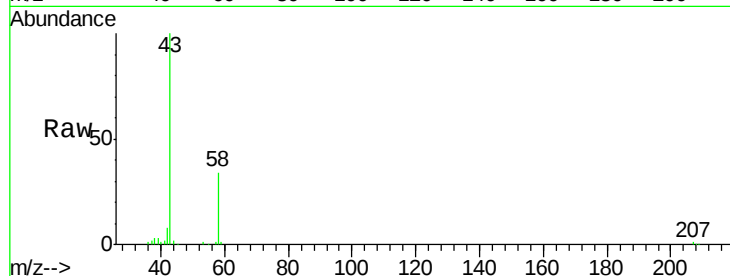
1360-1361

Tot Ion: 43 Resp: 77536

Ion Ratio Lower Upper

43 100

58 33.9 26.9 40.3



#20

Methylene Chloride

Concen: 8.253 ug/l

RT: 4.74 min Scan# 493

Delta R.T. 0.01 min

Lab File: VY002551.D

Acq: 04 May 2020 19:02

Tgt Ion: 84 Resp: 23196

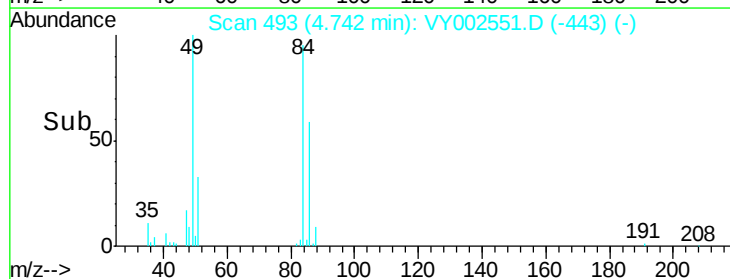
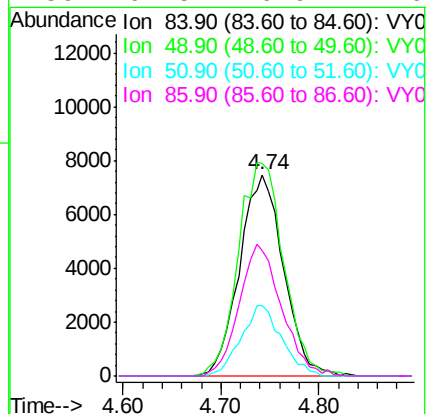
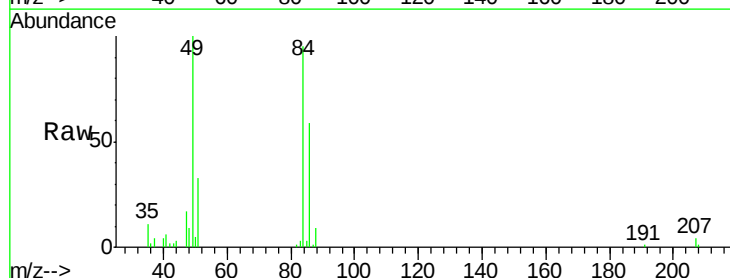
Ion Ratio Lower Upper

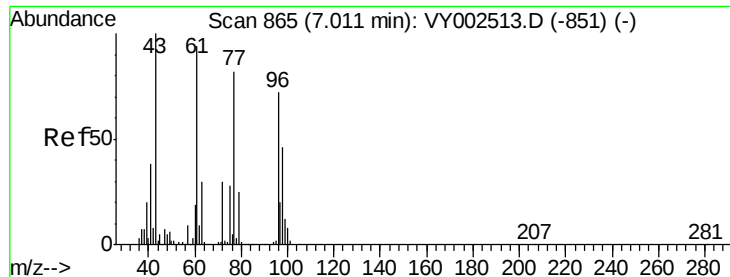
84 100

49 105.5 90.5 135.7

51 34.7 28.3 42.5

86 62.5 49.9 74.9

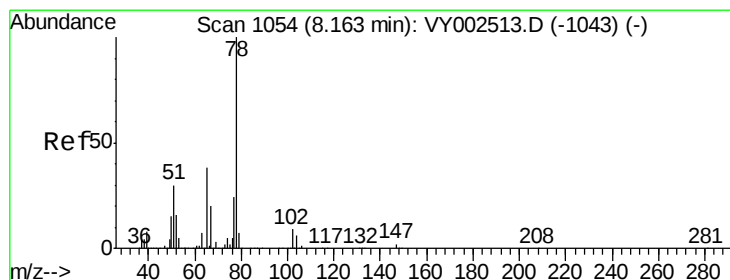
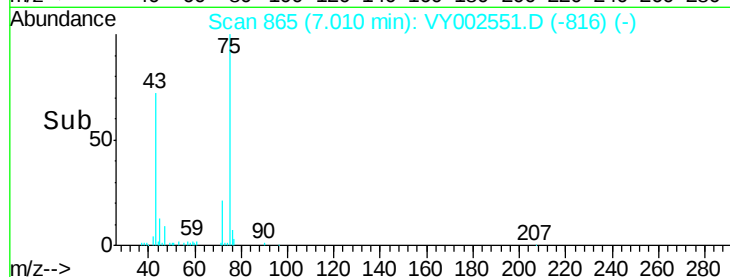
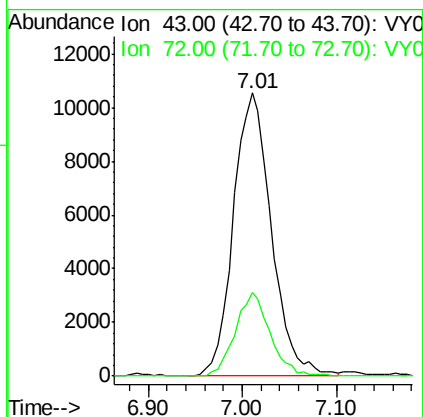
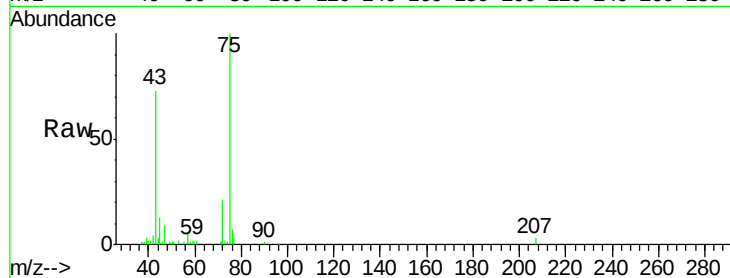




#25
2-Butanone
Concen: 36.077 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.00 min
Lab File: VY002551.D
Acq: 04 May 2020 19:02

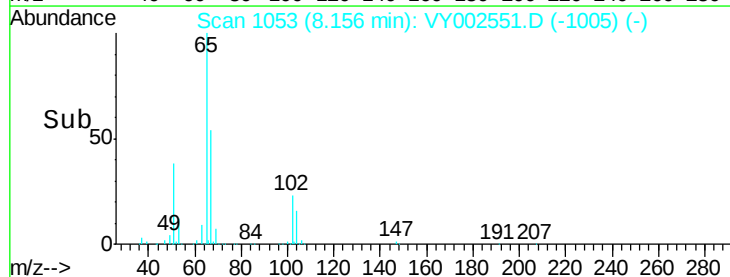
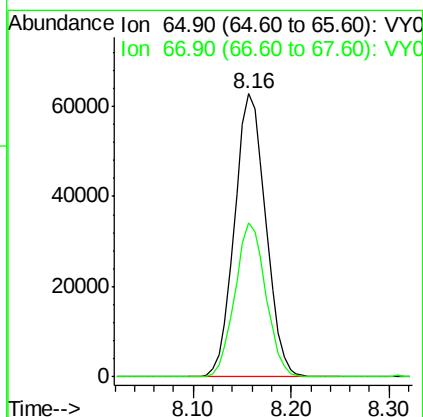
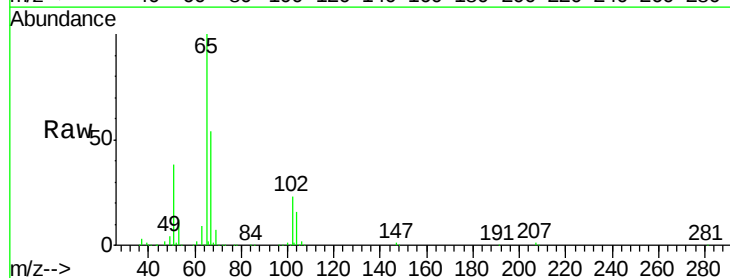
Instrument :
MSVOA_Y
ClientSampleId :
1360-1361

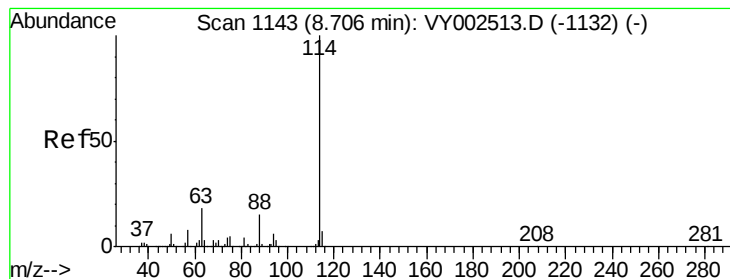
Tot Ion: 43 Resp: 29683
Ion Ratio Lower Upper
43 100
72 29.4 24.1 36.1



#33
1,2-Dichloroethane-d4
Concen: 56.995 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VY002551.D
Acq: 04 May 2020 19:02

Tgt Ion: 65 Resp: 138808
Ion Ratio Lower Upper
65 100
67 53.8 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VY002551.D

Acq: 04 May 2020 19:02

Instrument :

MSVOA_Y

ClientSampleId :

1360-1361

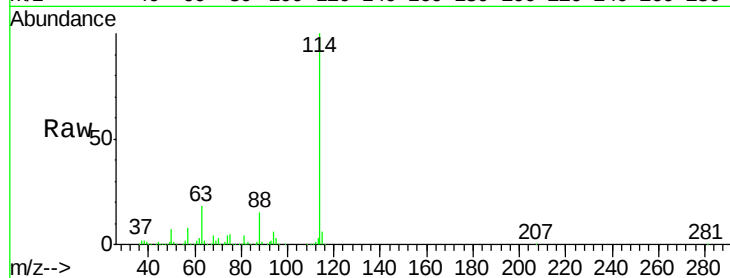
Tot Ion:114 Resp: 452351

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.4

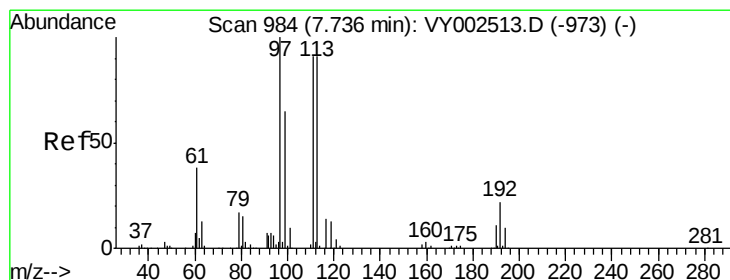
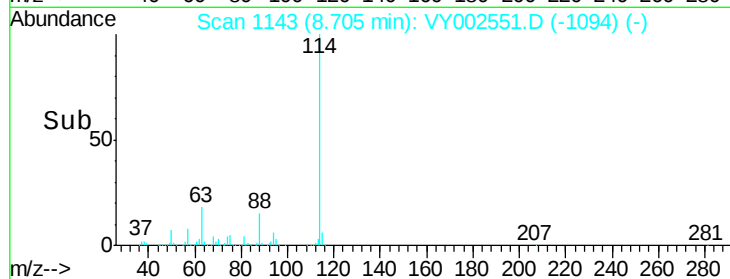
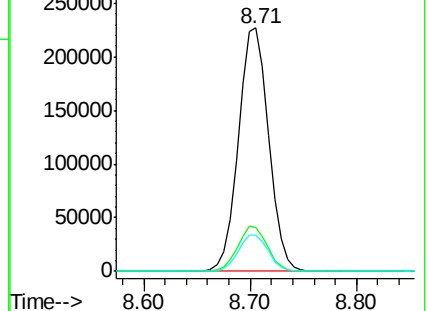
88 15.0 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 56.042 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.00 min

Lab File: VY002551.D

Acq: 04 May 2020 19:02

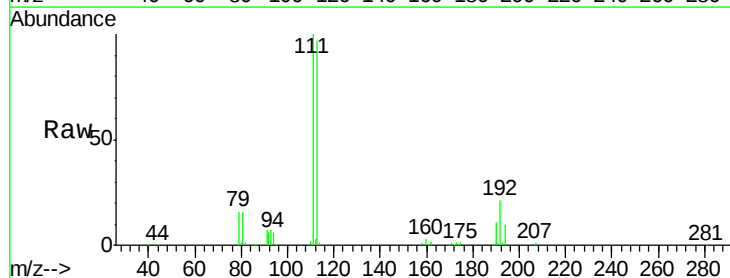
Tgt Ion:113 Resp: 144982

Ion Ratio Lower Upper

113 100

111 101.1 81.8 122.6

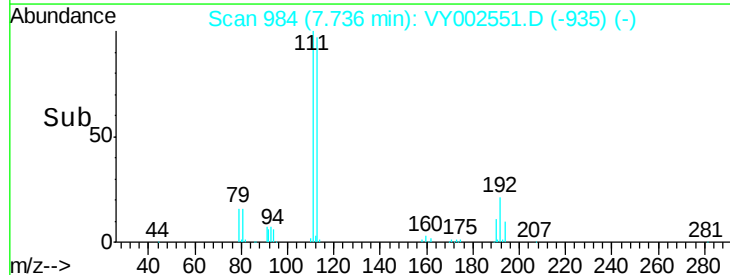
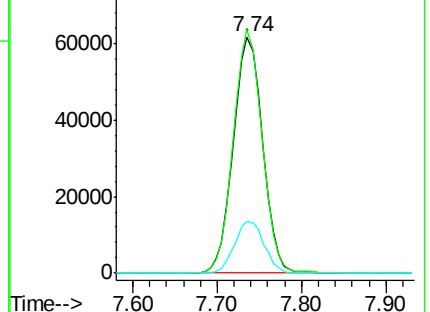
192 22.0 18.2 27.4

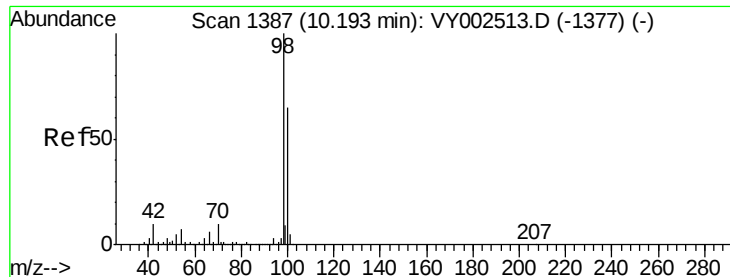


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 46.175 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002551.D

Acq: 04 May 2020 19:02

Instrument :

MSVOA_Y

ClientSampleId :

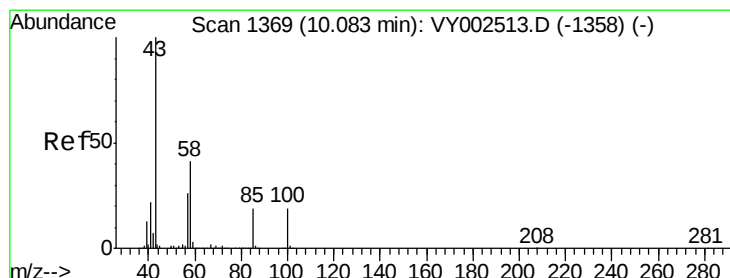
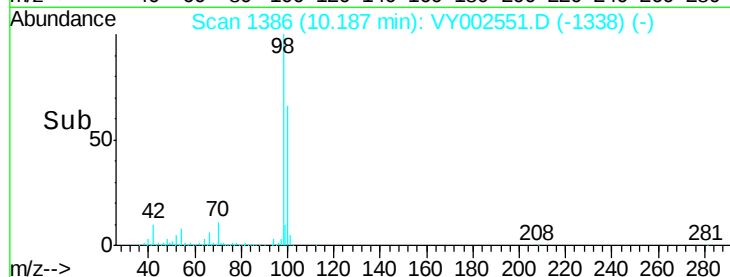
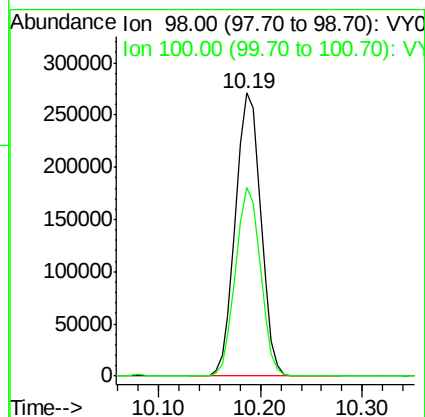
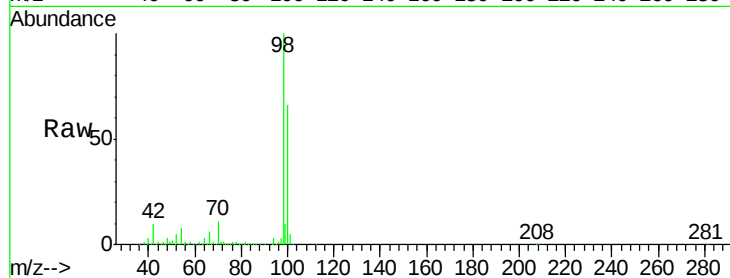
1360-1361

Tot Ion: 98 Resp: 466489

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 4.901 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY002551.D

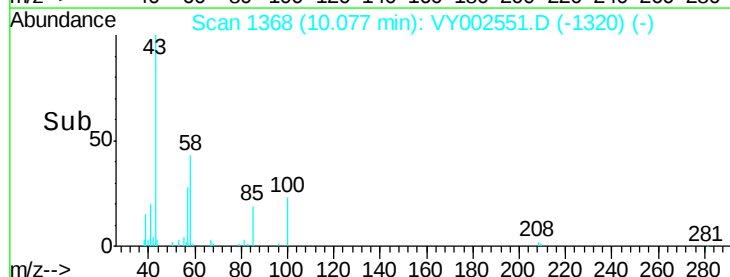
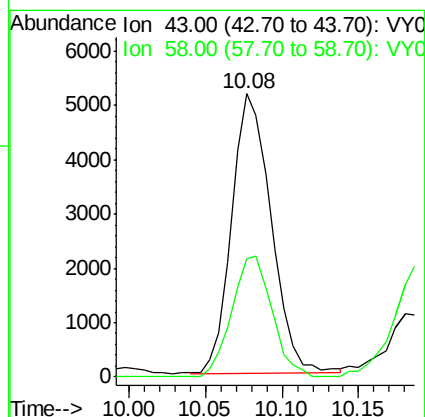
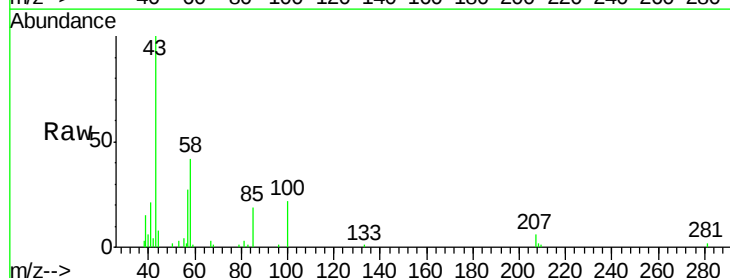
Acq: 04 May 2020 19:02

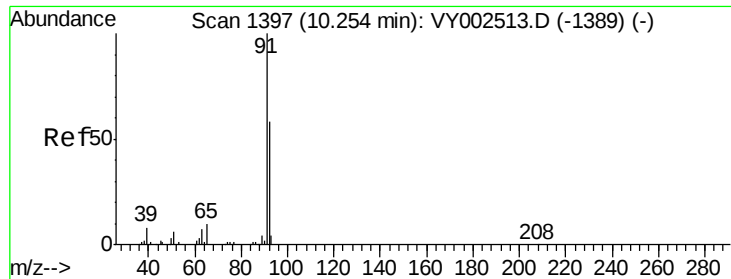
Tgt Ion: 43 Resp: 9228

Ion Ratio Lower Upper

43 100

58 43.8 33.2 49.8





#52

Toluene

Concen: 1.186 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VY002551.D

Acq: 04 May 2020 19:02

Instrument :

MSVOA_Y

ClientSampleId :

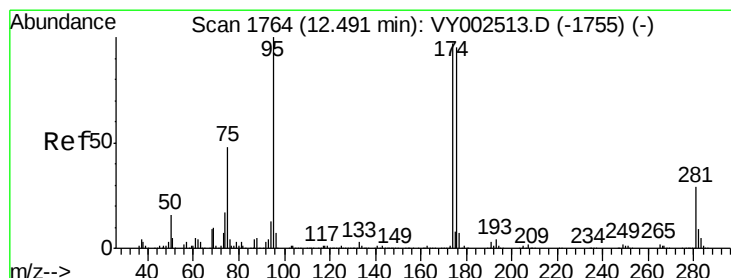
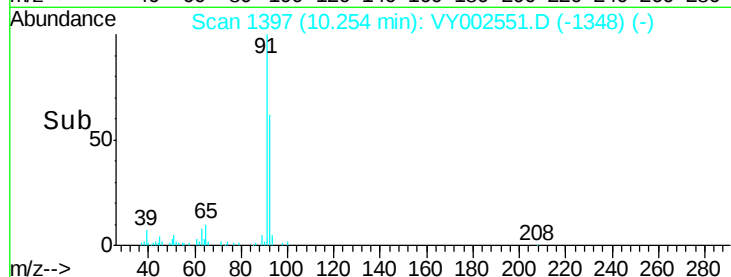
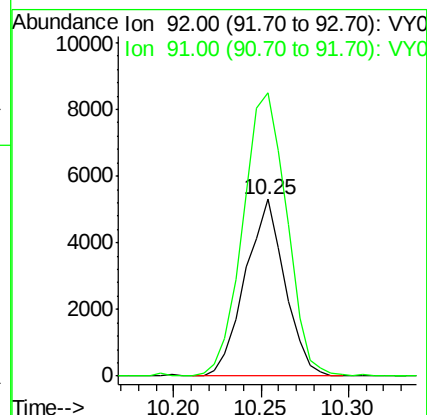
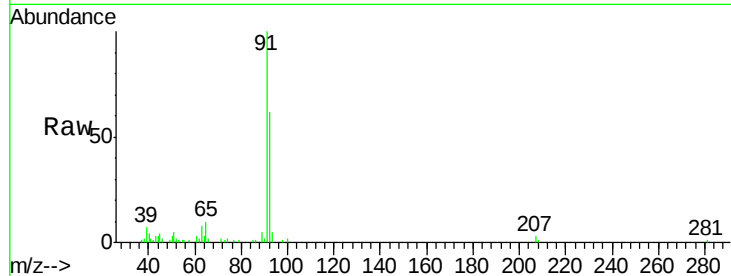
1360-1361

Tot Ion: 92 Resp: 8351

Ion Ratio Lower Upper

92 100

91 177.6 139.3 208.9



#62

4-Bromofluorobenzene

Concen: 23.074 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002551.D

Acq: 04 May 2020 19:02

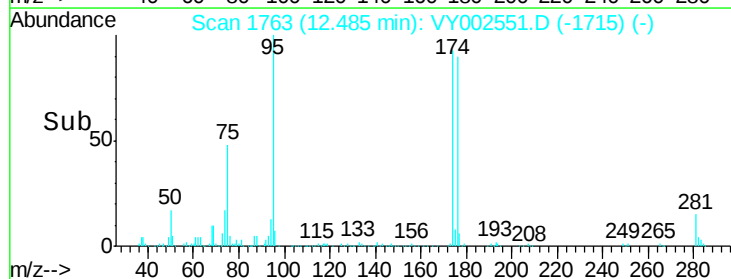
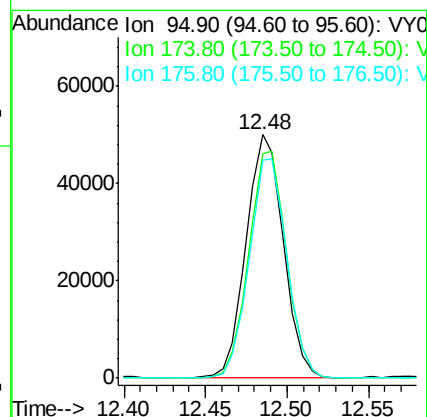
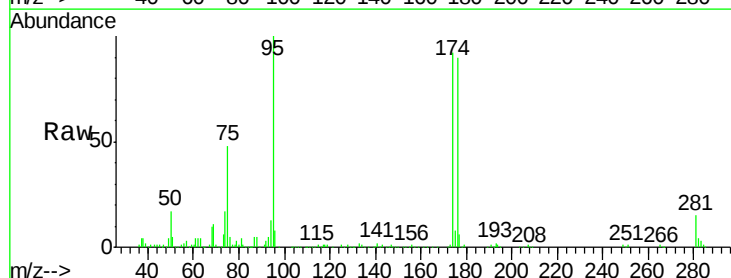
Tgt Ion: 95 Resp: 79099

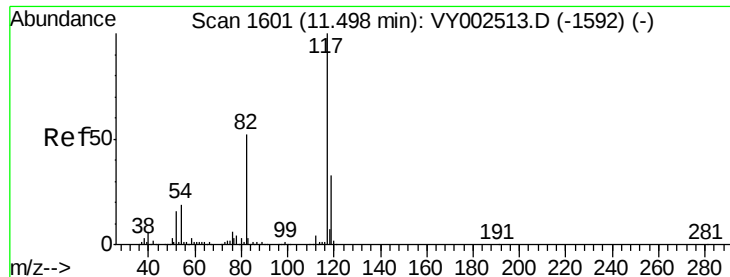
Ion Ratio Lower Upper

95 100

174 94.9 0.0 188.8

176 91.6 0.0 183.2

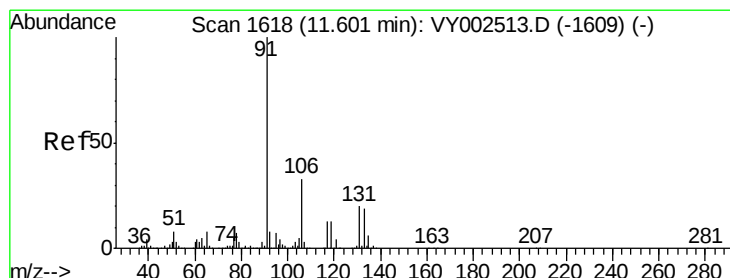
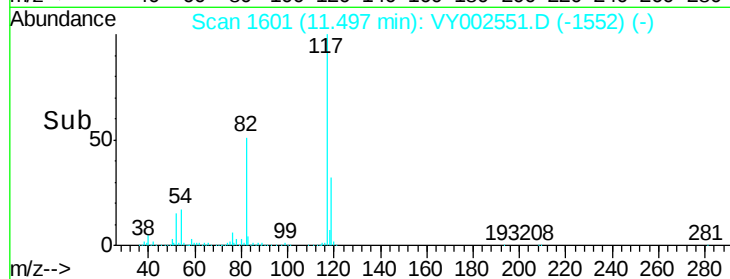
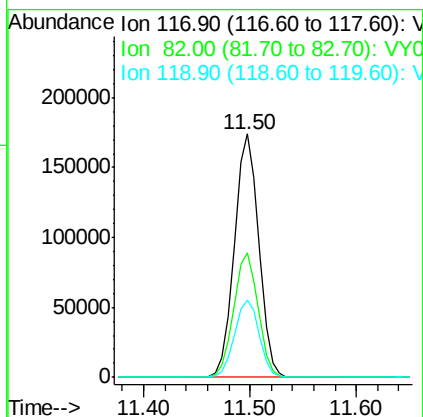
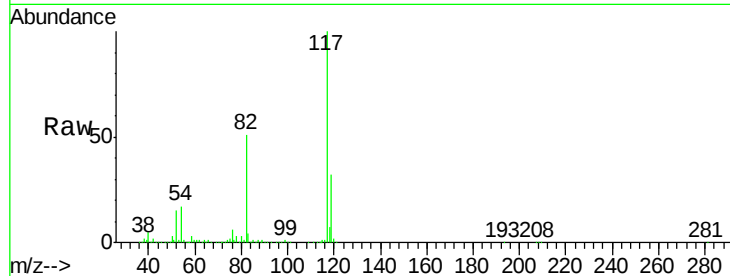




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002551.D
Acq: 04 May 2020 19:02

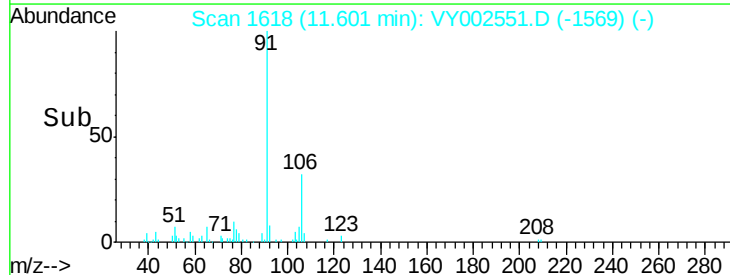
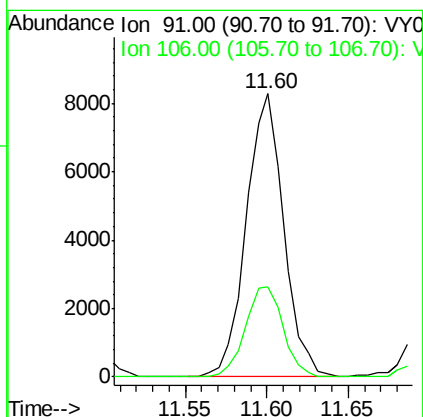
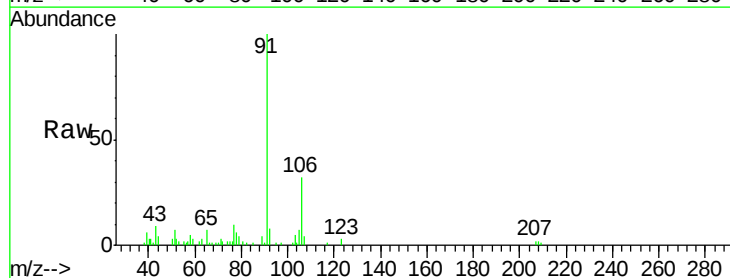
Instrument :
MSVOA_Y
ClientSampleId :
1360-1361

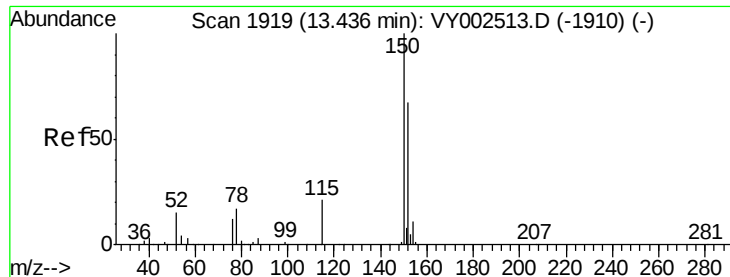
Tot Ion:117 Resp: 278741
Ion Ratio Lower Upper
117 100
82 51.3 41.3 61.9
119 31.6 26.0 39.0



#67
Ethyl Benzene
Concen: 1.419 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002551.D
Acq: 04 May 2020 19:02

Tgt Ion: 91 Resp: 13205
Ion Ratio Lower Upper
91 100
106 31.9 26.1 39.1



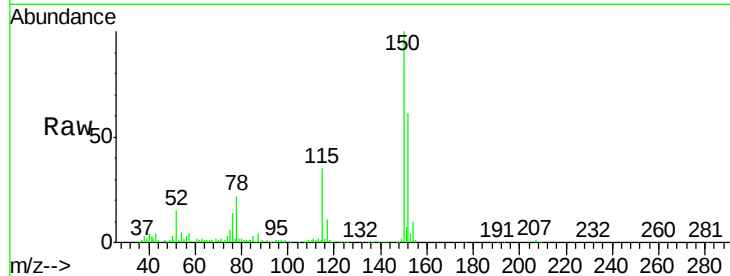


#72

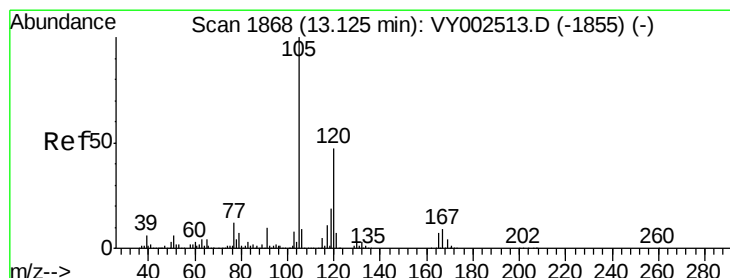
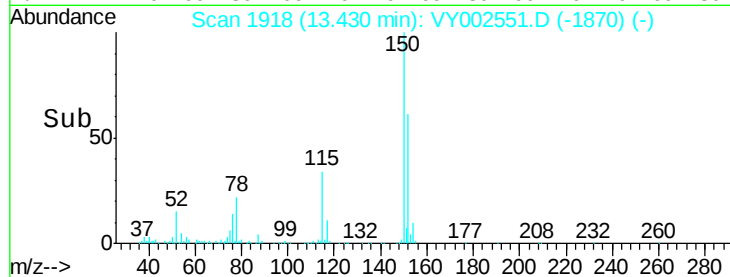
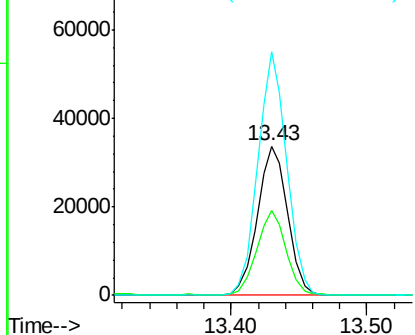
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002551.D
Acq: 04 May 2020 19:02

Instrument :
MSVOA_Y
ClientSampleId :
1360-1361

Tot Ion:152 Resp: 52662
Ion Ratio Lower Upper
152 100
115 55.2 27.5 82.4
150 155.0 0.0 346.4



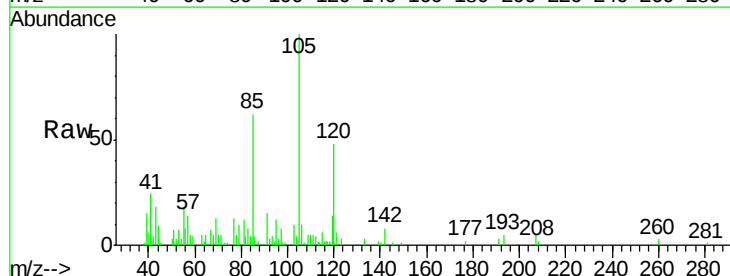
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



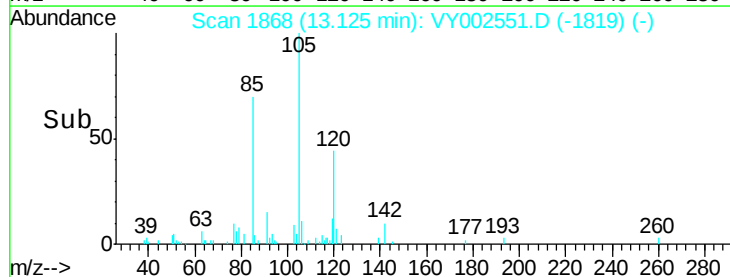
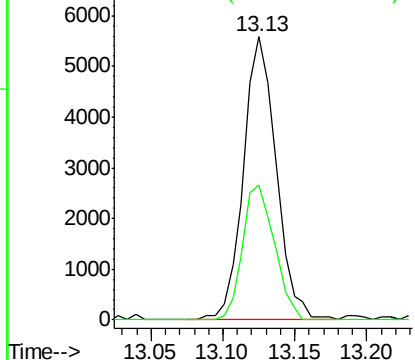
#84

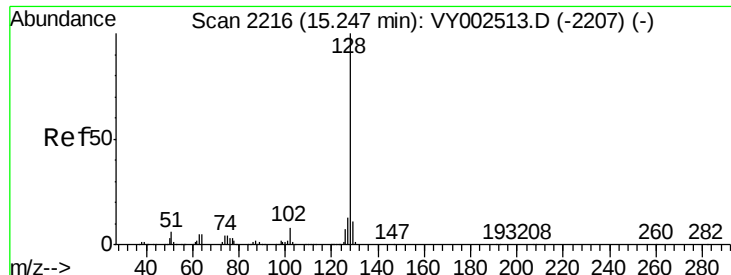
1,2,4-Trimethylbenzene
Concen: 3.117 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VY002551.D
Acq: 04 May 2020 19:02

Tgt Ion:105 Resp: 8788
Ion Ratio Lower Upper
105 100
120 46.1 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 2.637 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY002551.D

Acq: 04 May 2020 19:02

Instrument :

MSVOA_Y

ClientSampleId :

1360-1361

Tot Ion:128 Resp: 5029

Ion Ratio Lower Upper

128 100

127 26.8 10.5 15.7#

129 10.1 8.8 13.2

