

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002583.D
 Acq On : 05 May 2020 13:59
 Operator : SY/MD
 Sample : L2457-01RE
 Misc : 5.05G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1360-1361RE

Quant Time: May 06 07:10:35 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	324950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	488966	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	209050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	29611	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	139342	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
35) Dibromofluoromethane	7.74	113	152033	54.37	ug/l	0.00
Spiked Amount			Recovery	=	108.74%	
50) Toluene-d8	10.19	98	432681	39.62	ug/l	0.00
Spiked Amount			Recovery	=	79.24%	
62) 4-Bromofluorobenzene	12.49	95	49977	13.49	ug/l	0.00
Spiked Amount			Recovery	=	26.98%	

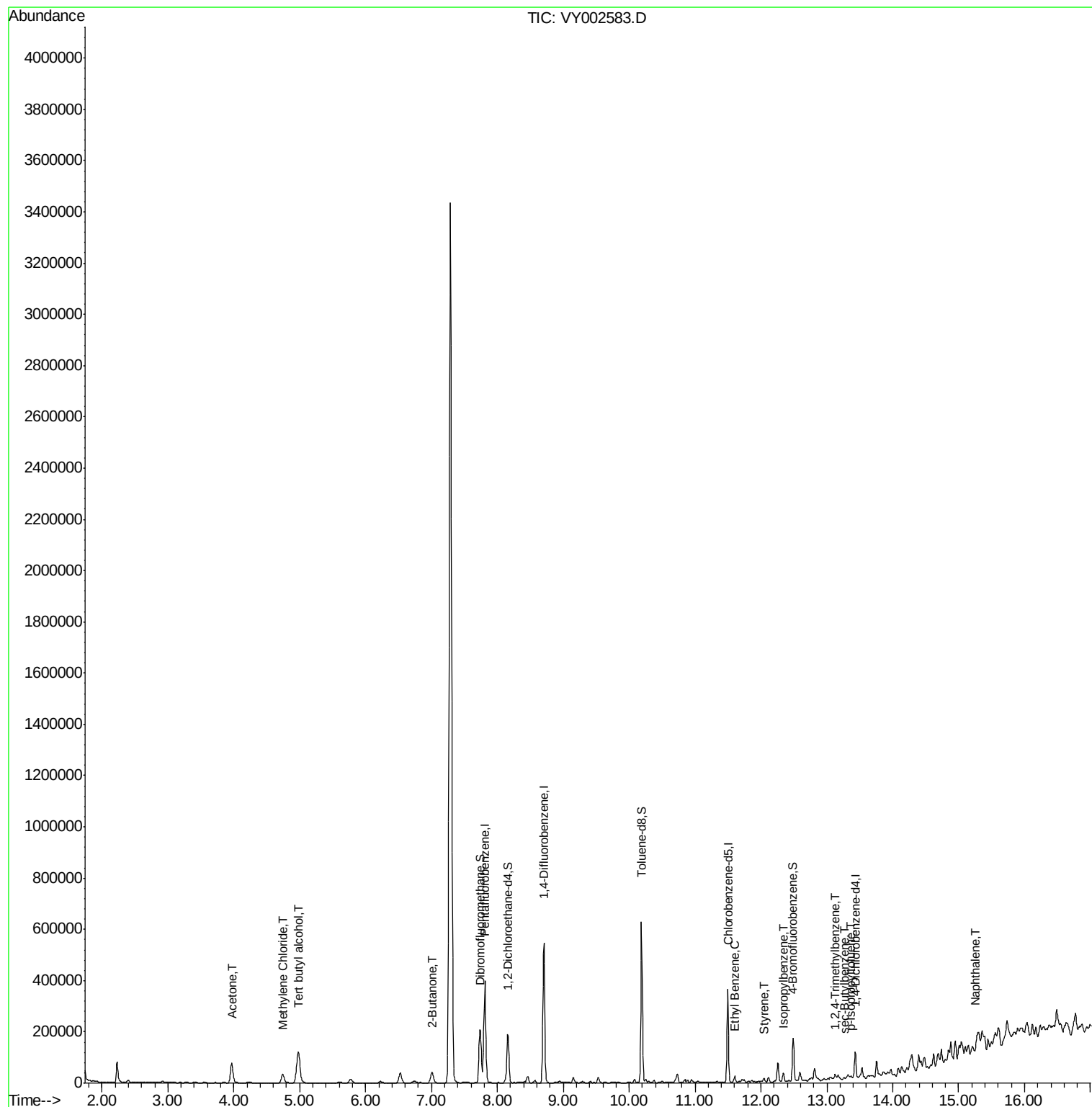
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	264276	940.148	ug/l	99
16) Acetone	3.97	43	132495	234.972	ug/l	99
20) Methylene Chloride	4.74	84	26926	8.539	ug/l	94
25) 2-Butanone	7.01	43	44230	47.918	ug/l	95
67) Ethyl Benzene	11.60	91	16537	2.369	ug/l	99
70) Styrene	12.05	104	5790	1.339	ug/l	94
73) Isopropylbenzene	12.34	105	2882	1.502	ug/l	84
84) 1,2,4-Trimethylbenzene	13.13	105	6818	4.301	ug/l	98
85) sec-Butylbenzene	13.26	105	3231	1.669	ug/l	98
86) p-Isopropyltoluene	13.37	119	2460	1.356	ug/l	89
95) Naphthalene	15.24	128	10408	9.705	ug/l #	88

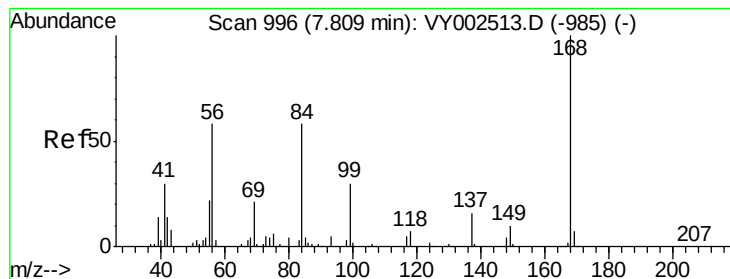
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
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: VY002583.D

Acq: 05 May 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

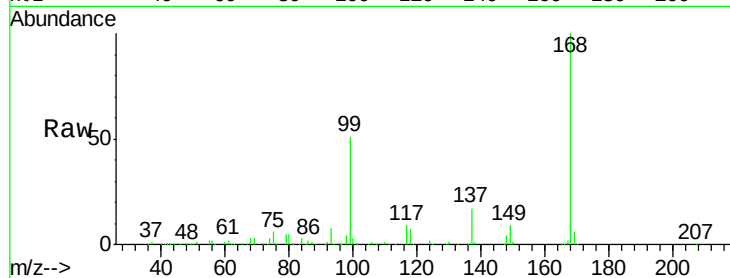
1360-1361RE

Tot Ion:168 Resp: 324950

Ion Ratio Lower Upper

168 100

99 51.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.81

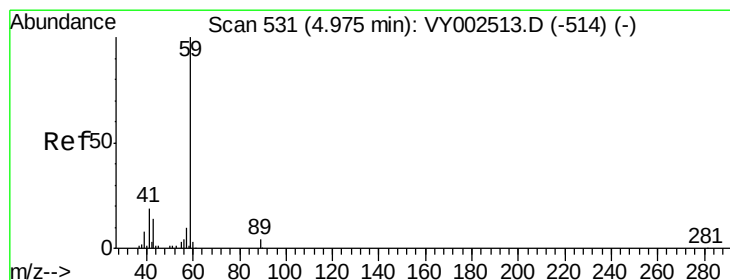
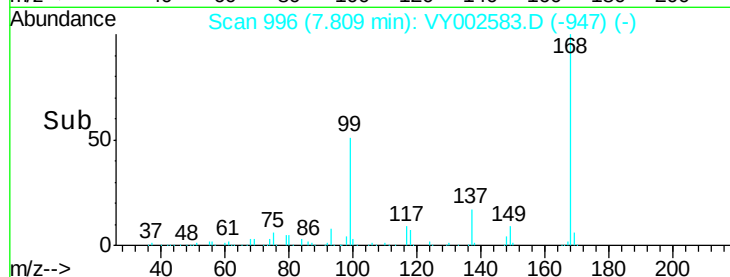
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 940.148 ug/l

RT: 4.98 min Scan# 532

Delta R.T. 0.01 min

Lab File: VY002583.D

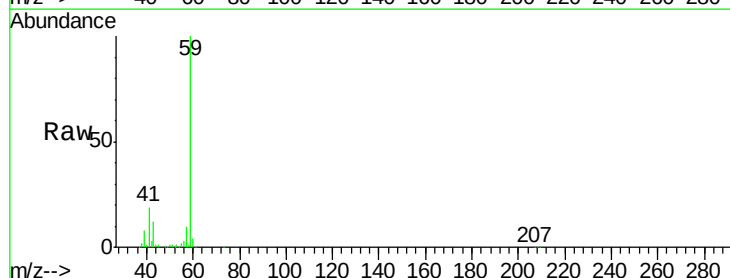
Acq: 05 May 2020 13:59

Tgt Ion: 59 Resp: 264276

Ion Ratio Lower Upper

59 100

57 10.1 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VY002513.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002513.D (-514) (-)

4.98

80000

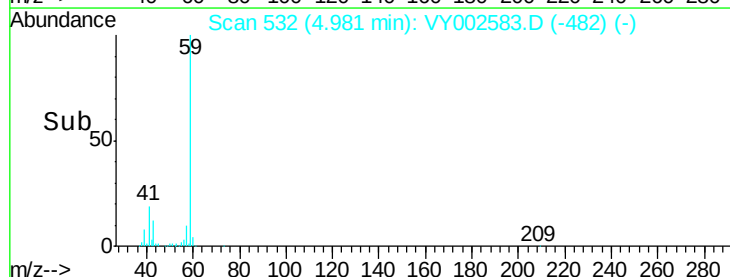
60000

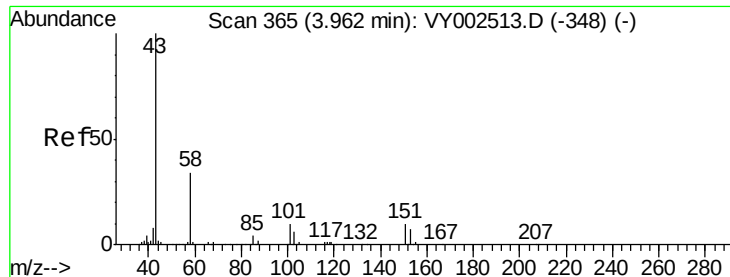
40000

20000

0

Time-->

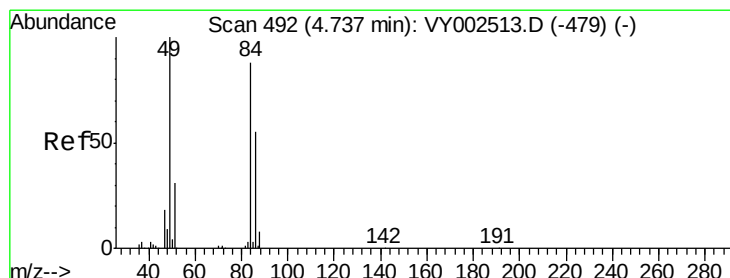
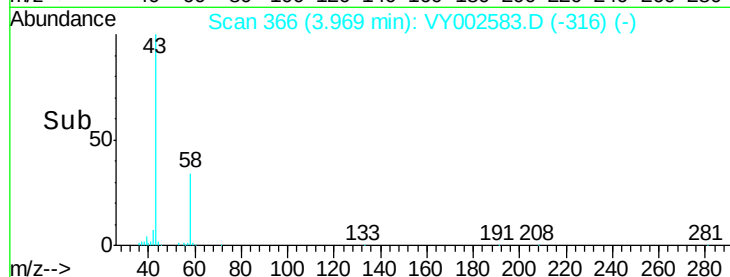
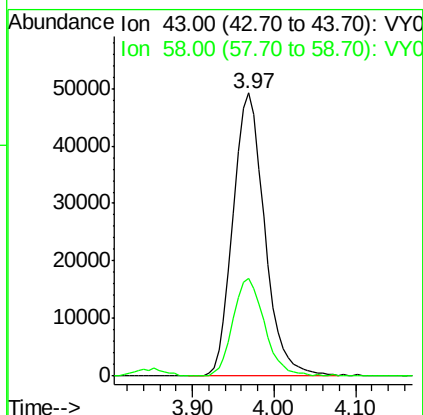
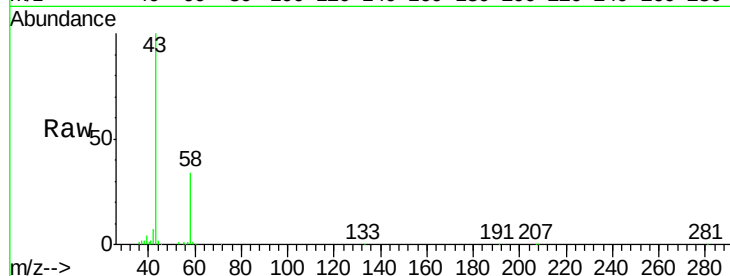




#16
Acetone
Concen: 234.972 ug/l
RT: 3.97 min Scan# 366
Delta R.T. 0.01 min
Lab File: VY002583.D
Acq: 05 May 2020 13:59

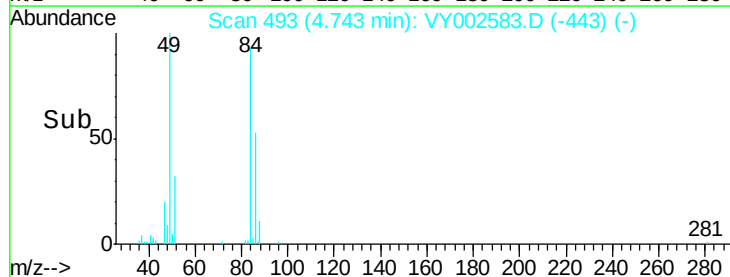
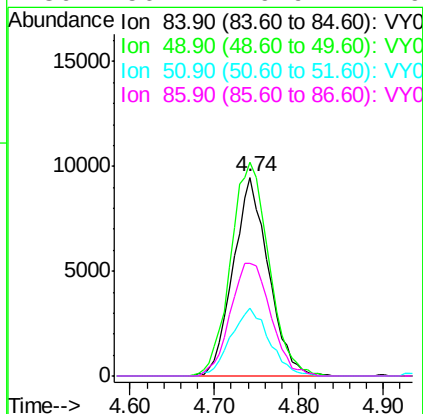
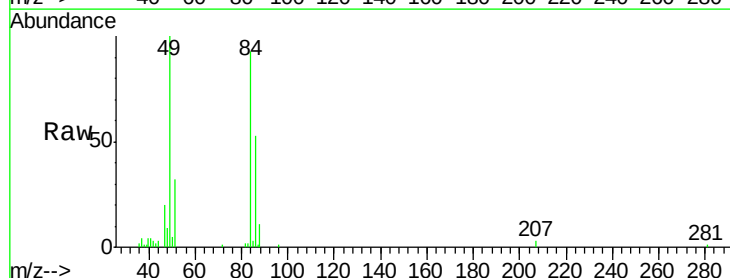
Instrument :
MSVOA_Y
ClientSampleId :
1360-1361RE

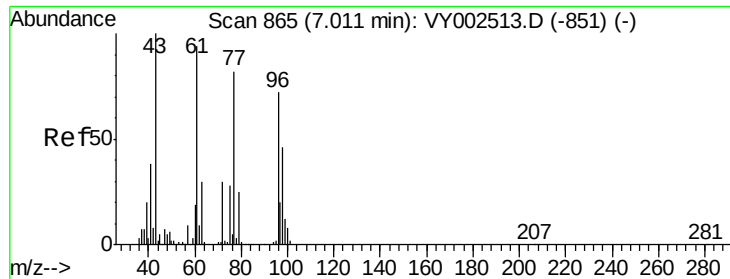
Tot Ion: 43 Resp: 132495
Ion Ratio Lower Upper
43 100
58 34.2 26.9 40.3



#20
Methylene Chloride
Concen: 8.539 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002583.D
Acq: 05 May 2020 13:59

Tgt Ion: 84 Resp: 26926
Ion Ratio Lower Upper
84 100
49 107.3 90.5 135.7
51 34.2 28.3 42.5
86 56.4 49.9 74.9





#25

2-Butanone

Concen: 47.918 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.00 min

Lab File: VY002583.D

Acq: 05 May 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

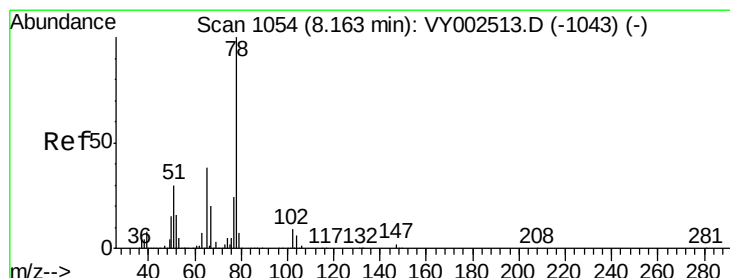
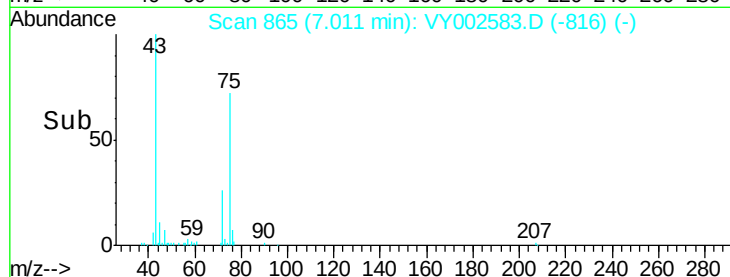
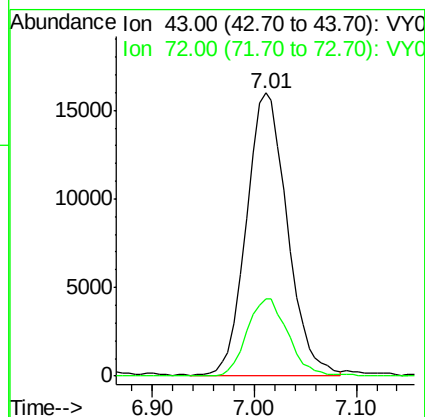
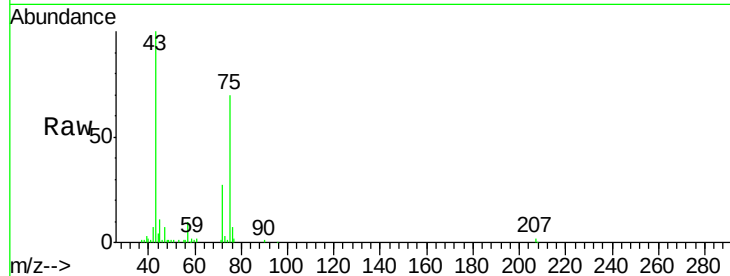
1360-1361RE

Tot Ion: 43 Resp: 44230

Ion Ratio Lower Upper

43 100

72 27.6 24.1 36.1



#33

1,2-Dichloroethane-d4

Concen: 50.999 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY002583.D

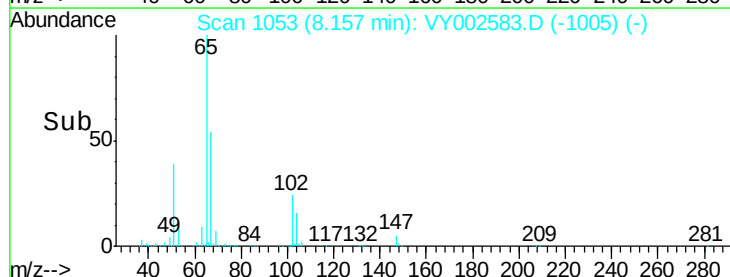
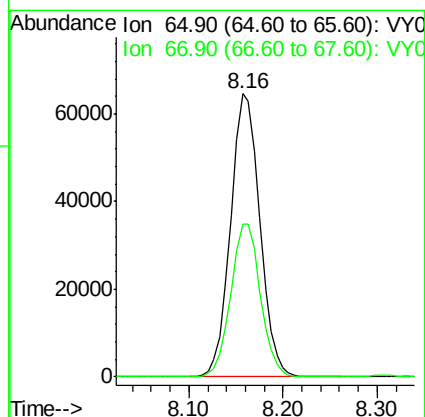
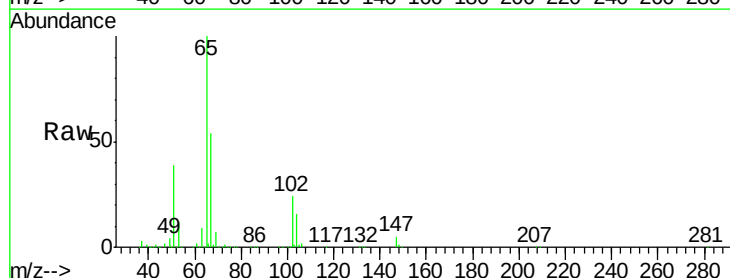
Acq: 05 May 2020 13:59

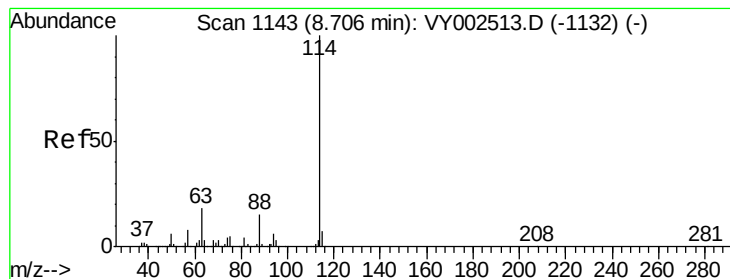
Tgt Ion: 65 Resp: 139342

Ion Ratio Lower Upper

65 100

67 54.7 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: VY002583.D

Acq: 05 May 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

1360-1361RE

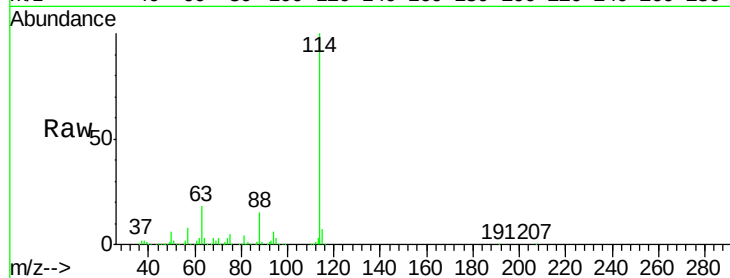
Tot Ion:114 Resp: 488966

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.4

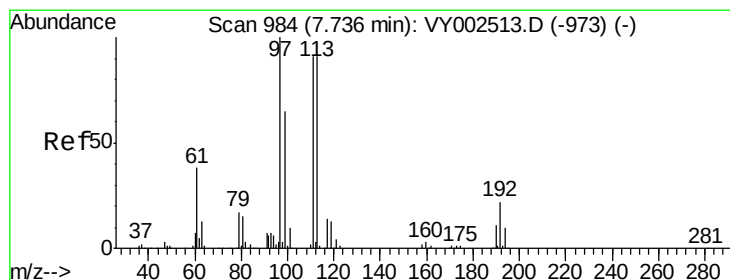
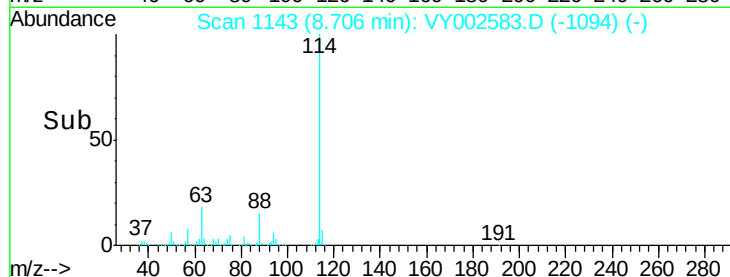
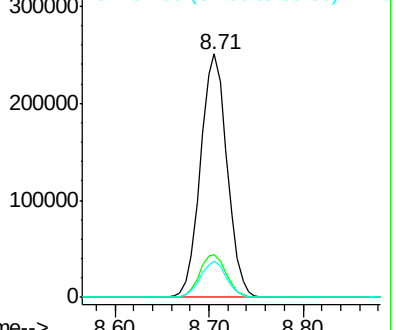
88 15.1 0.0 29.6



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: 54.367 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002583.D

Acq: 05 May 2020 13:59

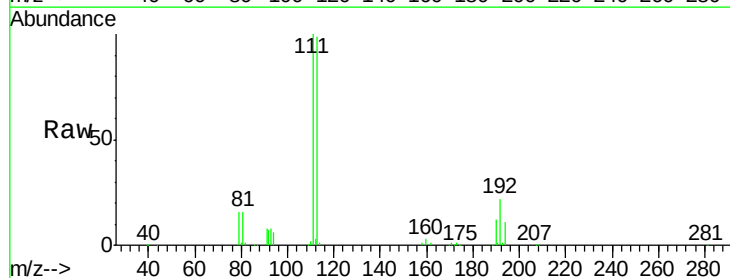
Tgt Ion:113 Resp: 152033

Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.6

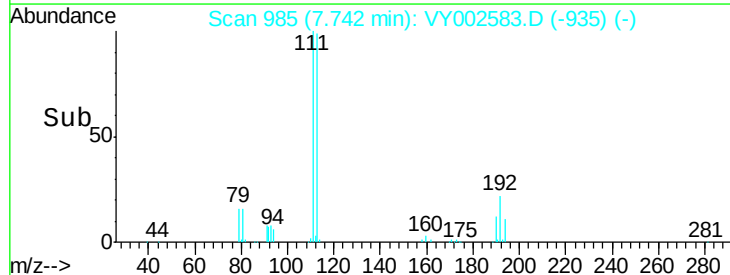
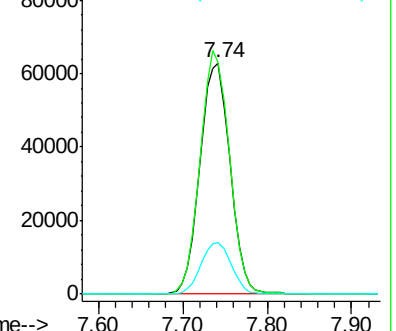
192 22.6 18.2 27.4

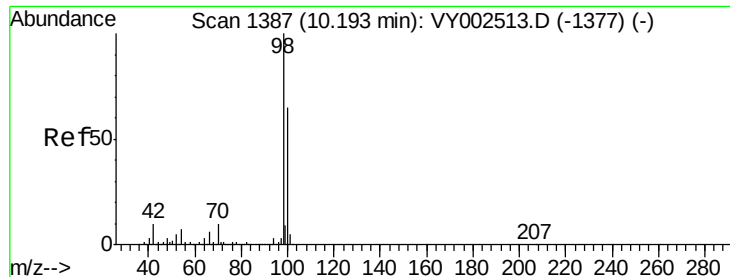


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 39.621 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002583.D

Acq: 05 May 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

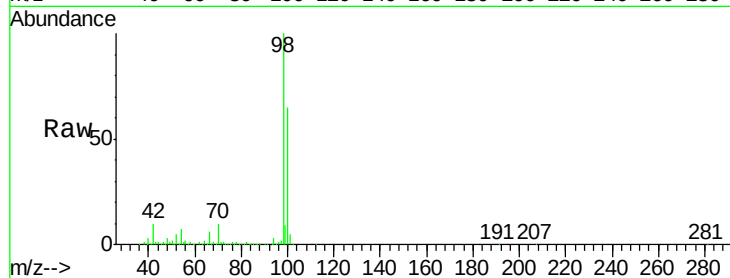
1360-1361RE

Tot Ion: 98 Resp: 432681

Ion Ratio Lower Upper

98 100

100 66.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY002513.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY002513.D (-1377) (-)

10.19

250000

200000

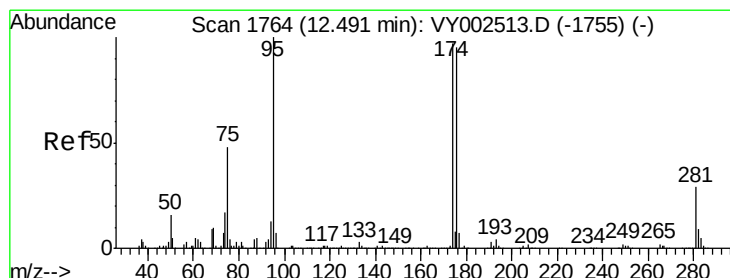
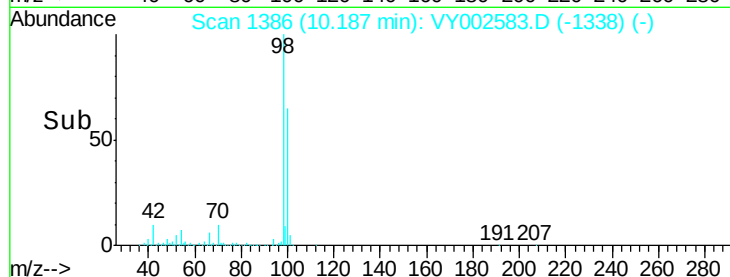
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 13.487 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002583.D

Acq: 05 May 2020 13:59

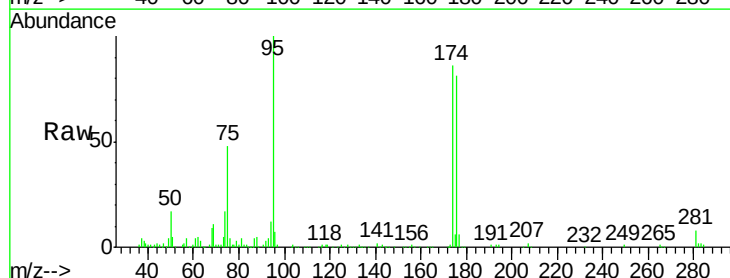
Tgt Ion: 95 Resp: 49977

Ion Ratio Lower Upper

95 100

174 92.7 0.0 188.8

176 87.5 0.0 183.2



Abundance Ion 94.90 (94.60 to 95.60): VY002513.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002513.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002513.D (-1755) (-)

12.49

40000

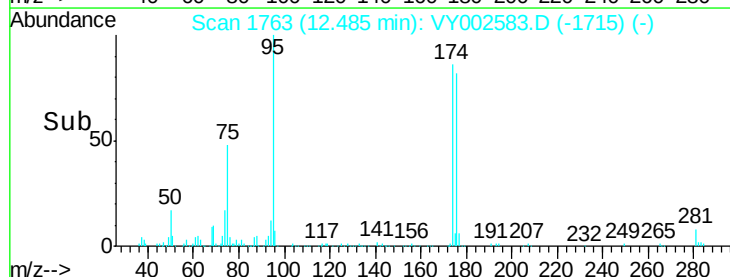
30000

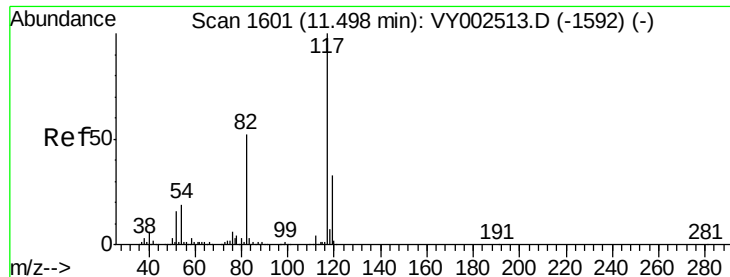
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10000

0

Time-->

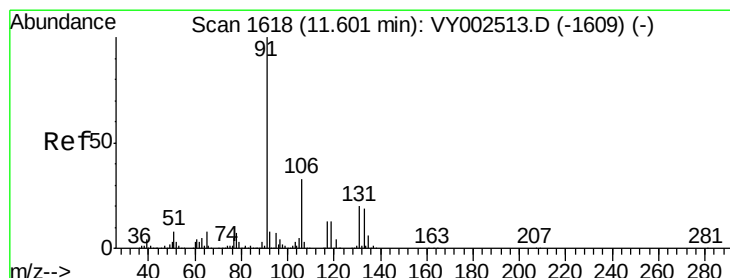
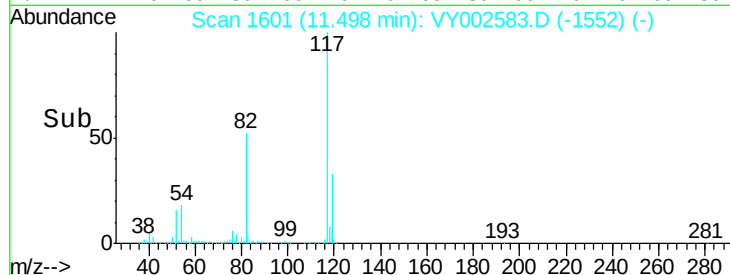
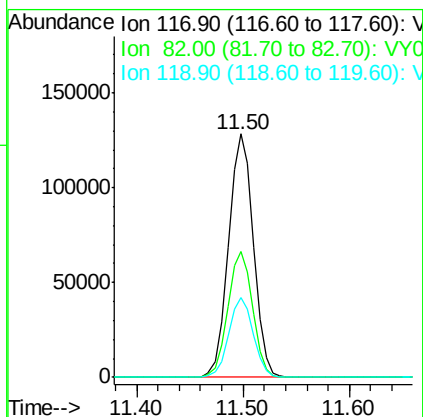
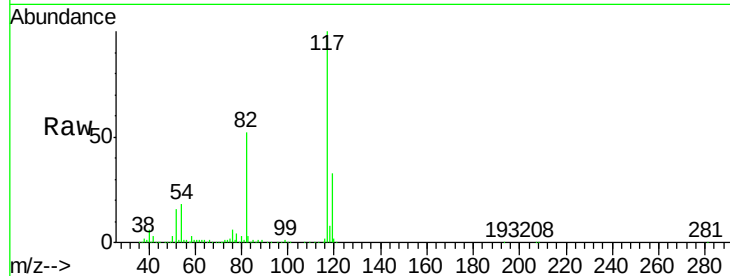




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002583.D
Acq: 05 May 2020 13:59

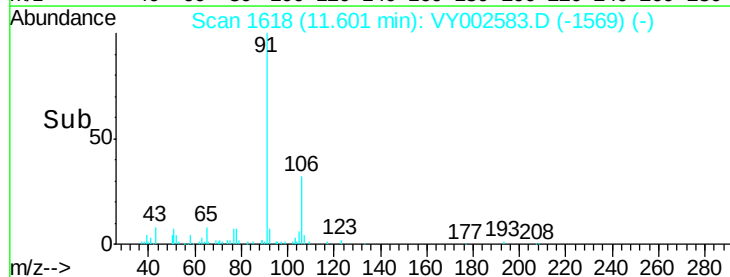
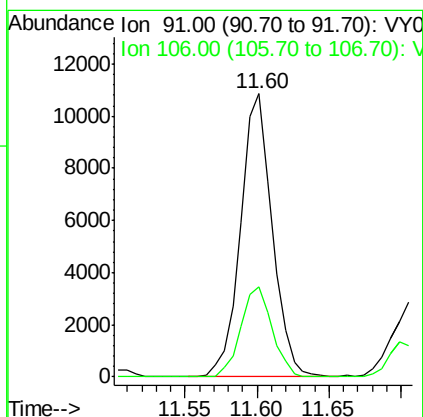
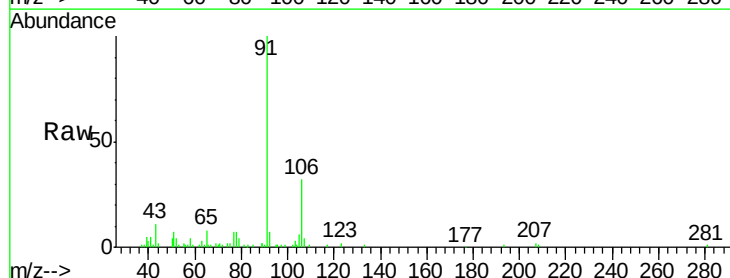
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1360-1361RE

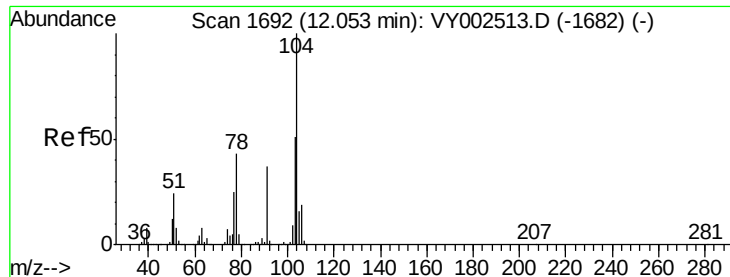
Tot Ion:117 Resp: 209050
Ion Ratio Lower Upper
117 100
82 51.5 41.3 61.9
119 33.0 26.0 39.0



#67
Ethyl Benzene
Concen: 2.369 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002583.D
Acq: 05 May 2020 13:59

Tgt Ion: 91 Resp: 16537
Ion Ratio Lower Upper
91 100
106 32.0 26.1 39.1





#70

Stvrene

Concen: 1.339 ug/l

RT: 12.05 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VY002583.D

Acq: 05 May 2020 13:59

Instrument :

MSVOA_Y

ClientSampled :

1360-1361RE

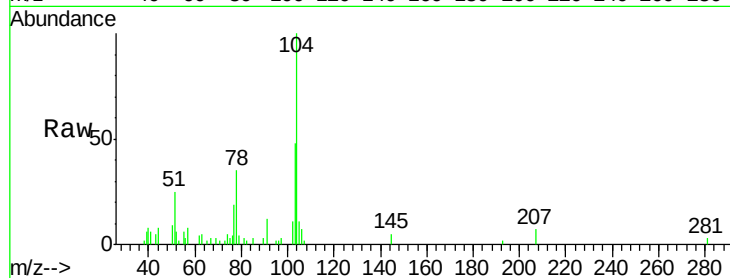
Tot Ion:104 Resp: 5790

Ion Ratio Lower Upper

104 100

78 45.0 37.4 56.0

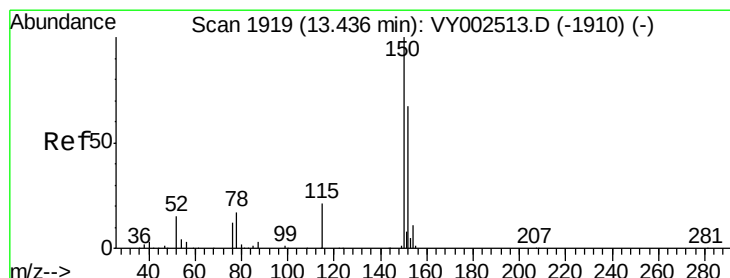
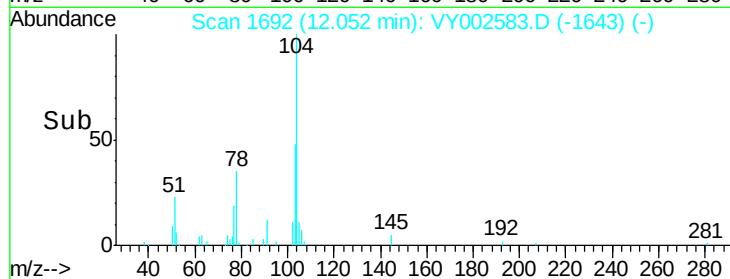
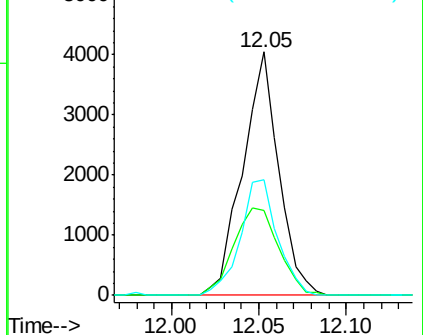
103 48.9 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002583.D

Acq: 05 May 2020 13:59

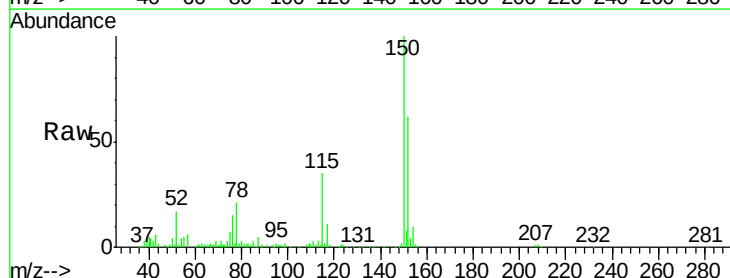
Tgt Ion:152 Resp: 29611

Ion Ratio Lower Upper

152 100

115 55.0 27.5 82.4

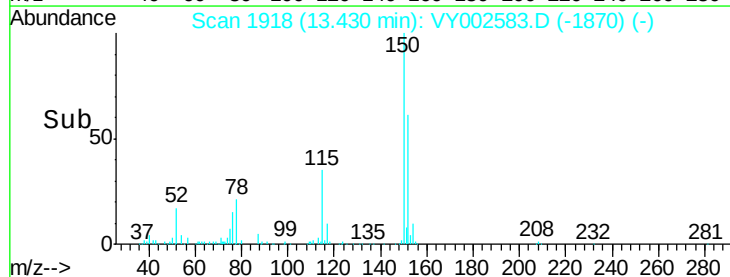
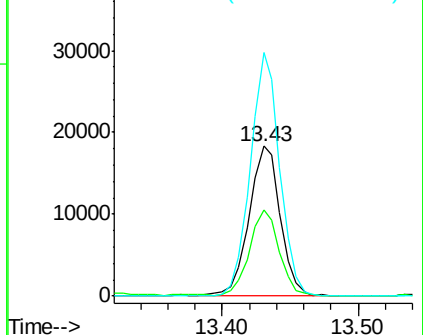
150 151.6 0.0 346.4

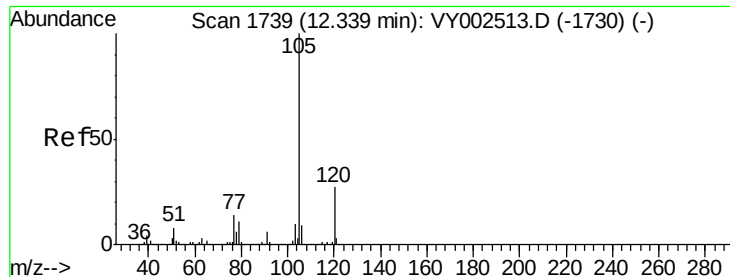


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.502 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002583.D

Acq: 05 May 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

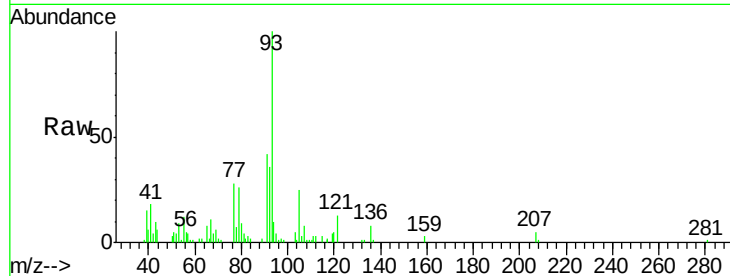
1360-1361RE

Tot Ion:105 Resp: 2882

Ion Ratio Lower Upper

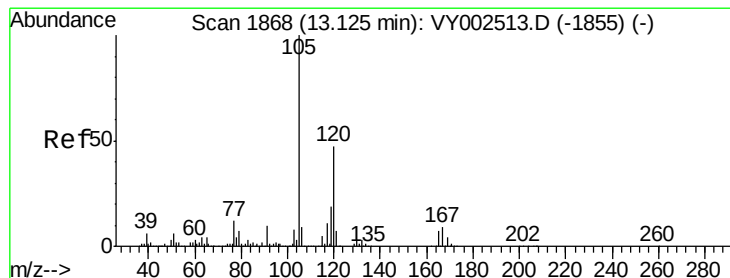
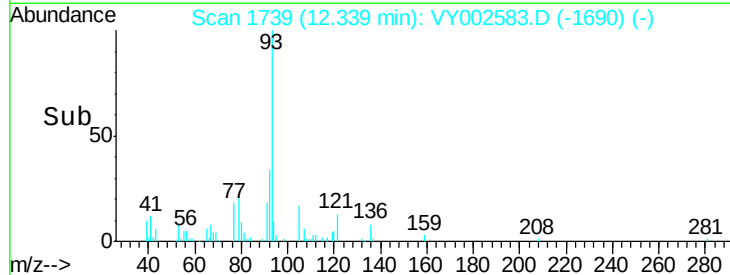
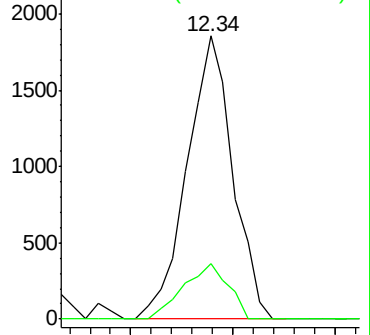
105 100

120 19.3 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.301 ug/l

RT: 13.13 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VY002583.D

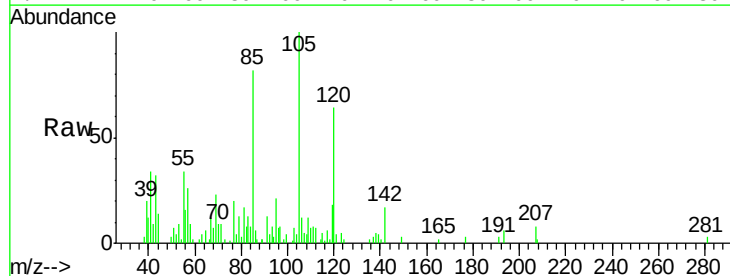
Acq: 05 May 2020 13:59

Tgt Ion:105 Resp: 6818

Ion Ratio Lower Upper

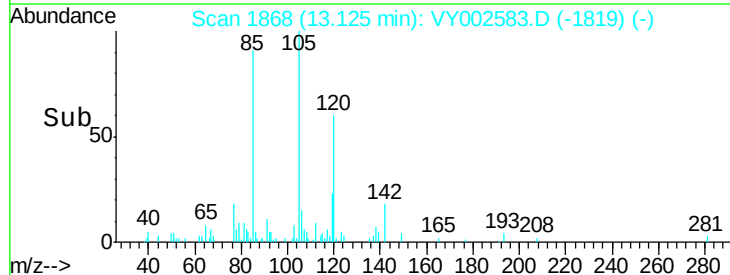
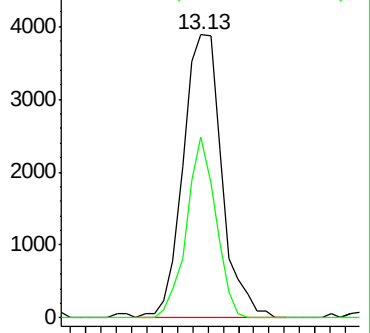
105 100

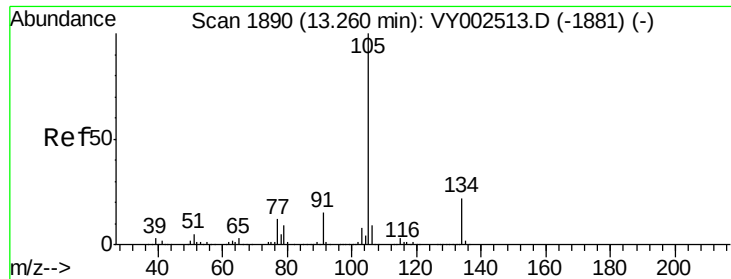
120 48.2 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.669 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY002583.D

Acq: 05 May 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

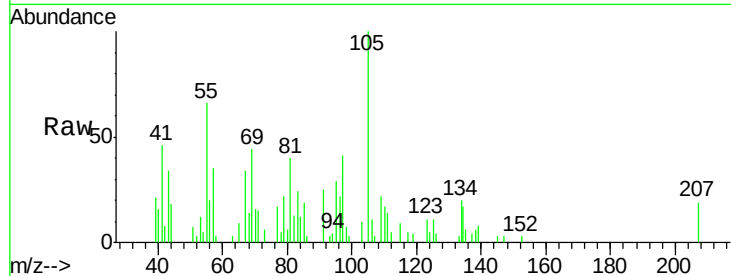
1360-1361RE

Tot Ion:105 Resp: 3231

Ion Ratio Lower Upper

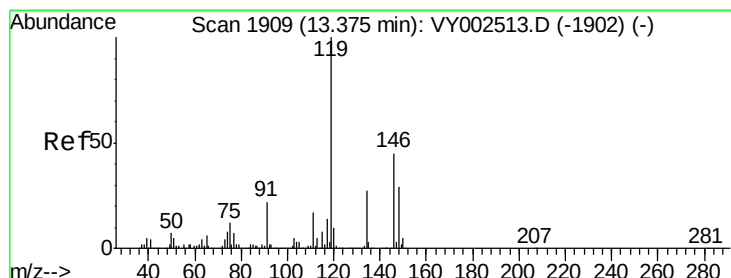
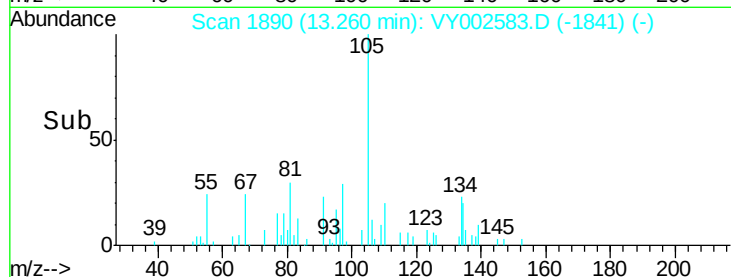
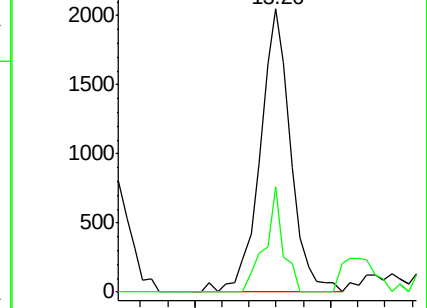
105 100

134 22.3 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.356 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY002583.D

Acq: 05 May 2020 13:59

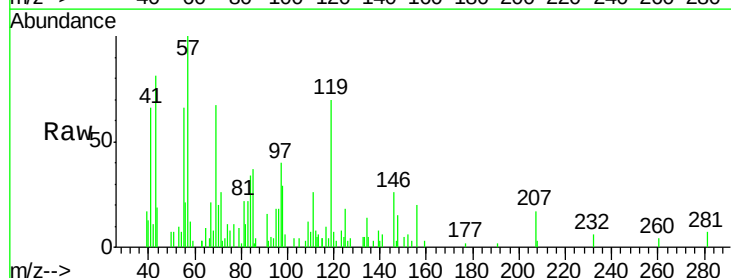
Tgt Ion:119 Resp: 2460

Ion Ratio Lower Upper

119 100

134 21.4 13.5 40.5

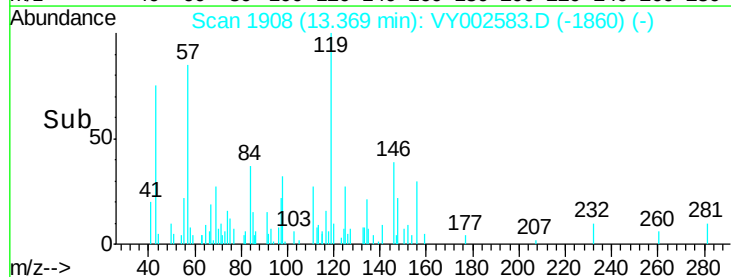
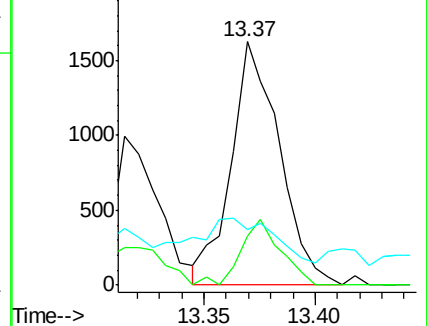
91 27.1 10.9 32.9

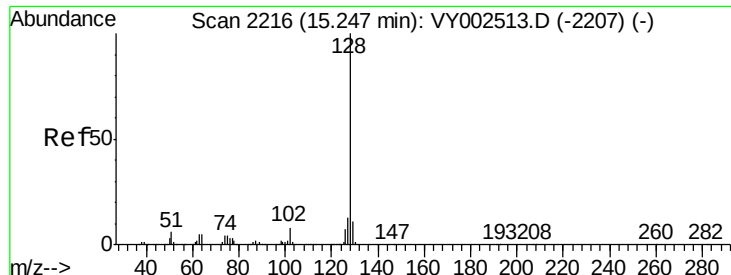


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#95

Naphthalene

Concen: 9.705 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY002583.D

Acq: 05 May 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

1360-1361RE

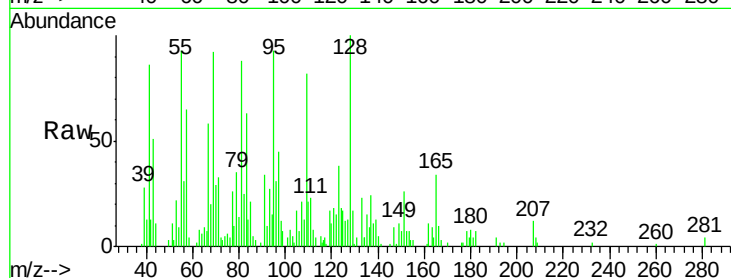
Tot Ion:128 Resp: 10408

Ion Ratio Lower Upper

128 100

127 18.2 10.5 15.7#

129 15.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

