

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040120\
 Data File : VY002173.D
 Acq On : 01 Apr 2020 19:03
 Operator : SY/MD
 Sample : L2129-21
 Misc : 5.12G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1

Quant Time: Apr 02 08:11:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

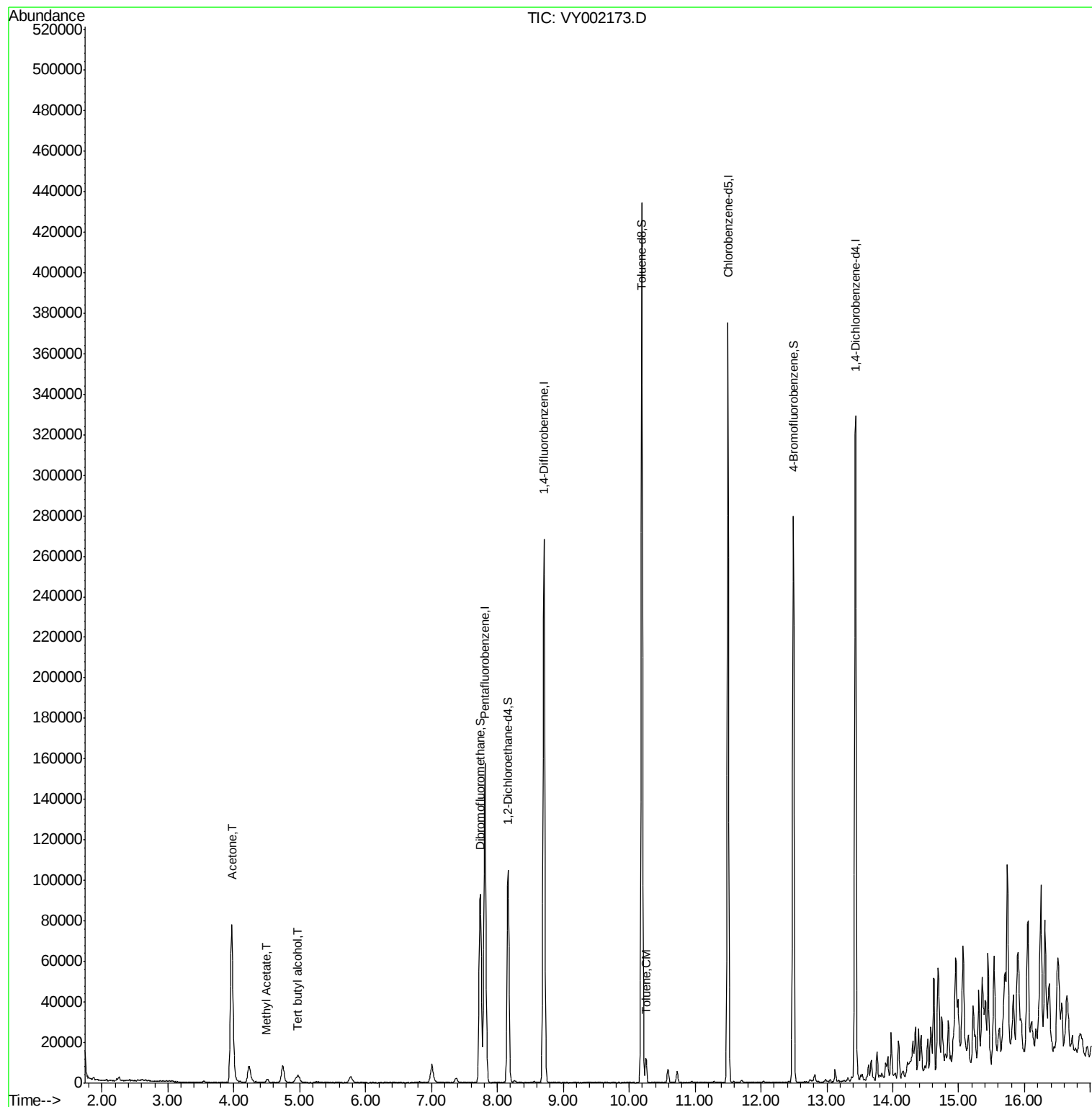
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	115112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	225625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	203579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	80578	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	73760	57.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.92%	
35) Dibromofluoromethane	7.74	113	67406	53.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.64%	
50) Toluene-d8	10.19	98	276094	52.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.14%	
62) 4-Bromofluorobenzene	12.49	95	86546	47.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.24%	
Target Compounds						
11) Tert butyl alcohol	4.97	59	6763	45.099	ug/l #	84
16) Acetone	3.97	43	137673	385.081	ug/l	98
18) Methyl Acetate	4.50	43	3152	3.395	ug/l	91
52) Toluene	10.25	92	4828	1.263	ug/l	96

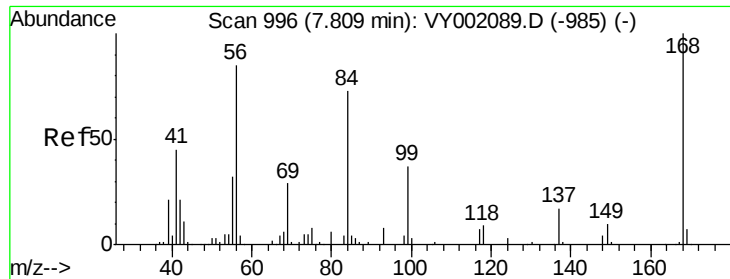
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002173.D

Acq: 01 Apr 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

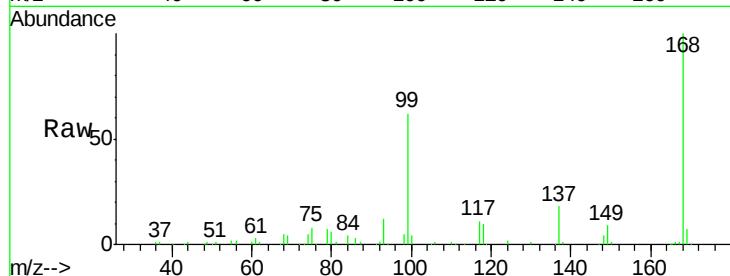
TP-1

Tot Ion:168 Resp: 115112

Ion Ratio Lower Upper

168 100

99 62.1 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002173.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002173.D (-947) (-)

7.81

60000

50000

40000

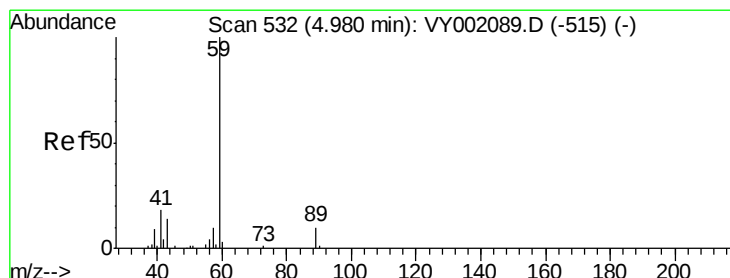
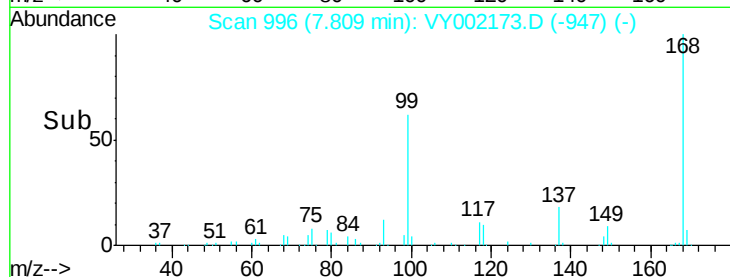
30000

20000

10000

0

Time--> 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: 45.099 ug/l

RT: 4.97 min Scan# 531

Delta R.T. -0.01 min

Lab File: VY002173.D

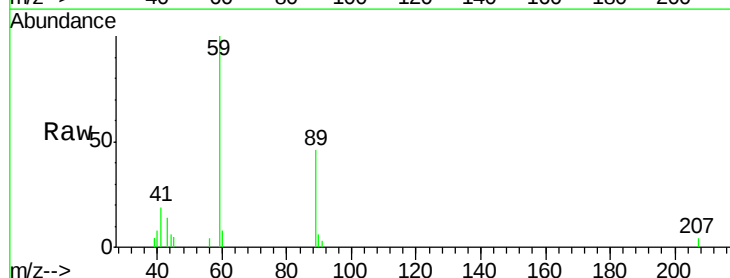
Acq: 01 Apr 2020 19:03

Tgt Ion: 59 Resp: 6763

Ion Ratio Lower Upper

59 100

57 3.6 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002173.D (-483) (-)

Ion 57.00 (56.70 to 57.70): VY002173.D (-483) (-)

4.97

2000

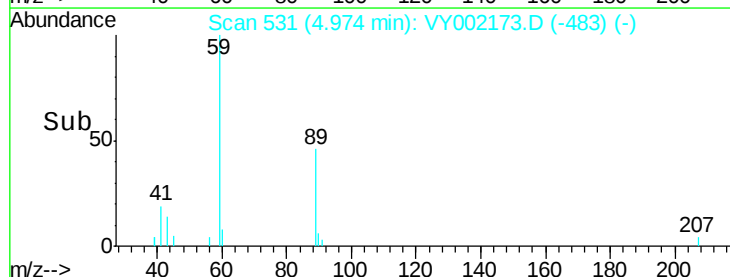
1500

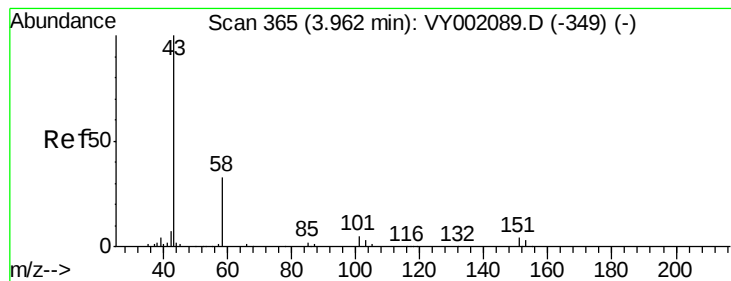
1000

500

0

Time--> 4.80 4.90 5.00 5.10





#16

Acetone

Concen: 385.081 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002173.D

Acq: 01 Apr 2020 19:03

Instrument :

MSVOA_Y

ClientSampled :

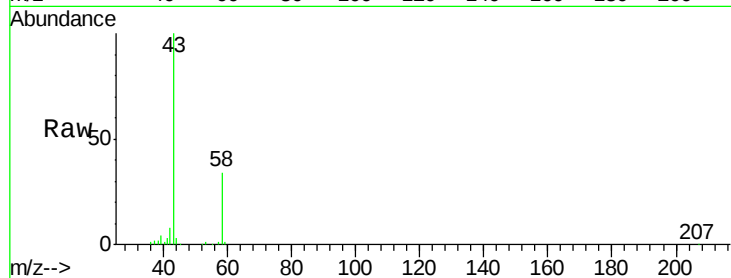
TP-1

Tot Ion: 43 Resp: 137673

Ion Ratio Lower Upper

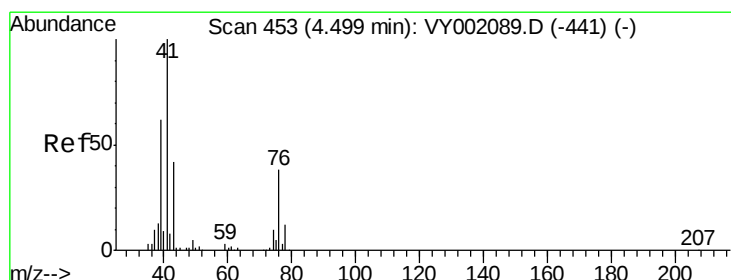
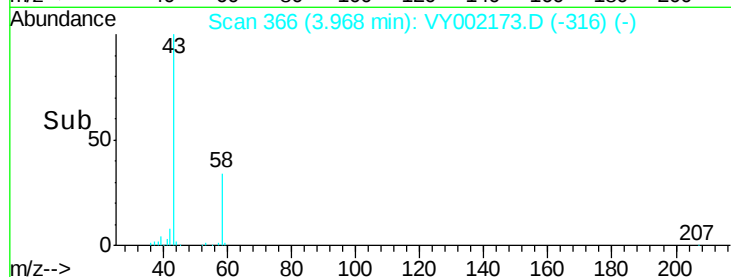
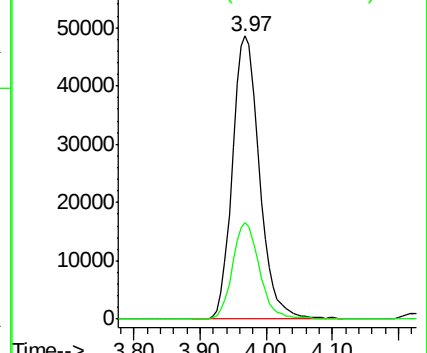
43 100

58 34.2 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#18

Methyl Acetate

Concen: 3.395 ug/l

RT: 4.50 min Scan# 453

Delta R.T. 0.00 min

Lab File: VY002173.D

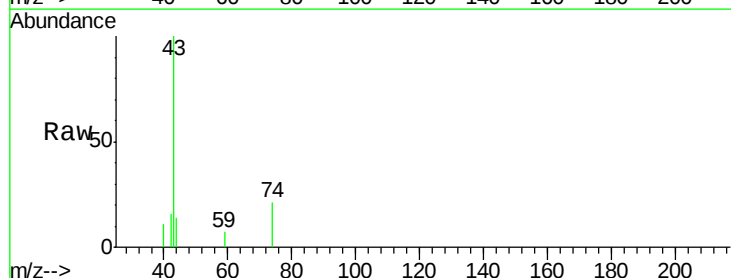
Acq: 01 Apr 2020 19:03

Tgt Ion: 43 Resp: 3152

Ion Ratio Lower Upper

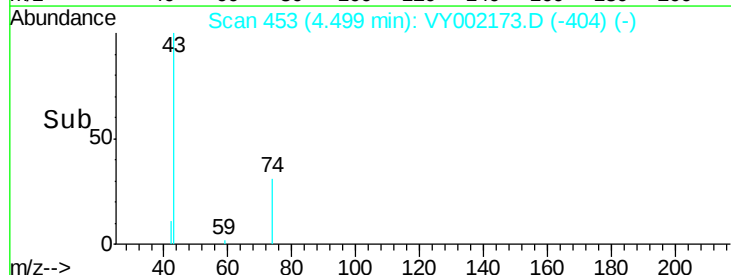
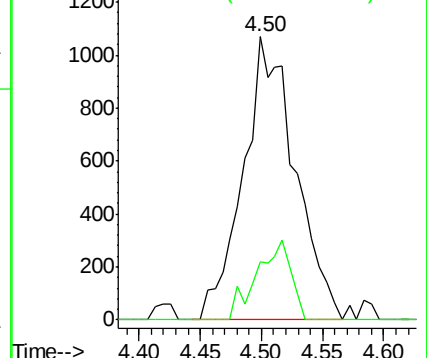
43 100

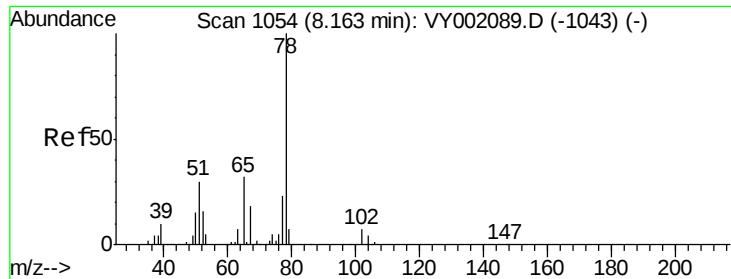
74 18.5 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 57.963 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY002173.D

Acq: 01 Apr 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

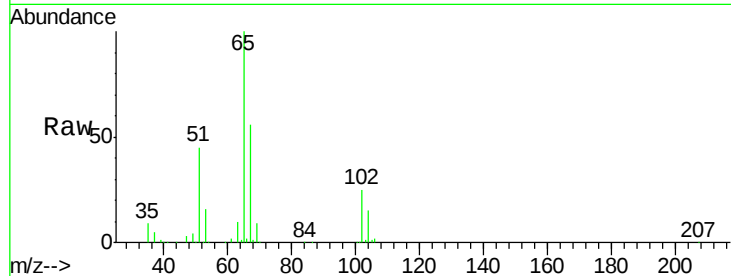
TP-1

Tot Ion: 65 Resp: 73760

Ion Ratio Lower Upper

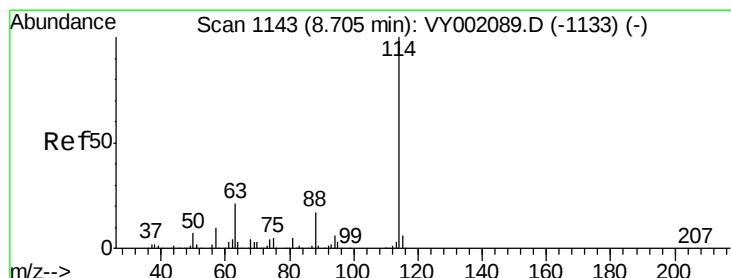
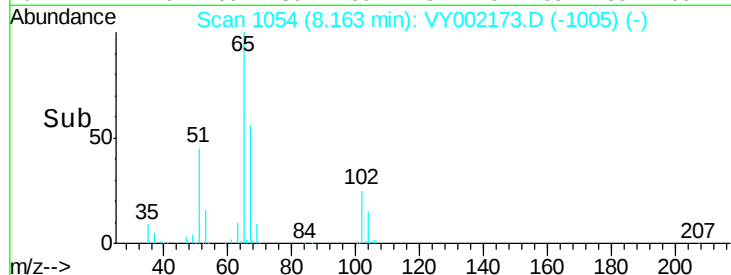
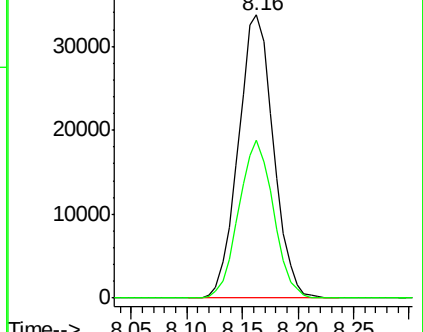
65 100

67 55.2 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY002173.D

Acq: 01 Apr 2020 19:03

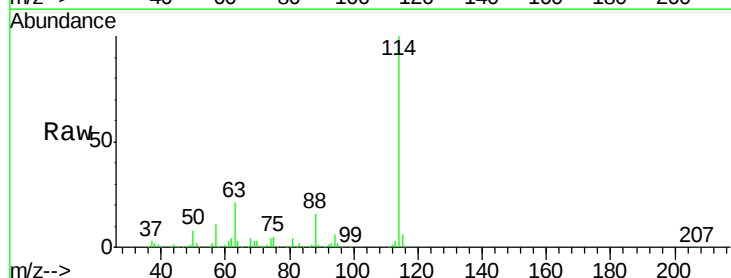
Tgt Ion: 114 Resp: 225625

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.4

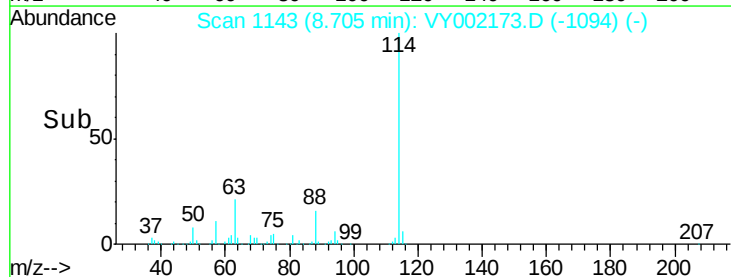
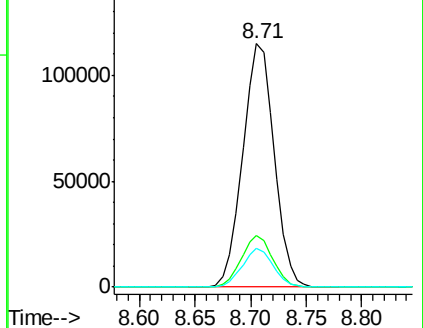
88 15.7 0.0 33.0

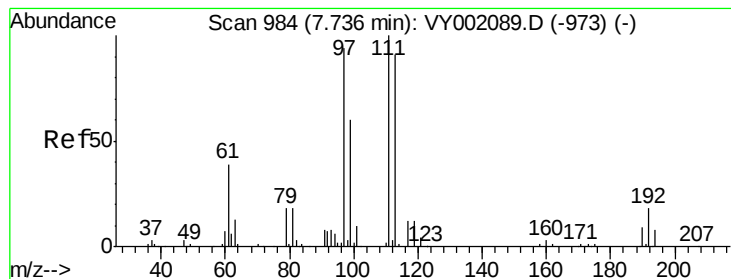


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 53.319 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002173.D

Acq: 01 Apr 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

TP-1

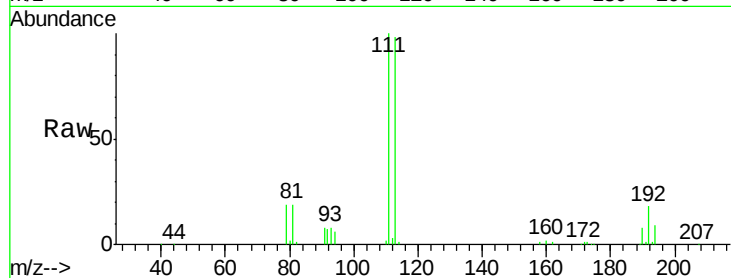
Tot Ion:113 Resp: 67406

Ion Ratio Lower Upper

113 100

111 103.3 84.4 126.6

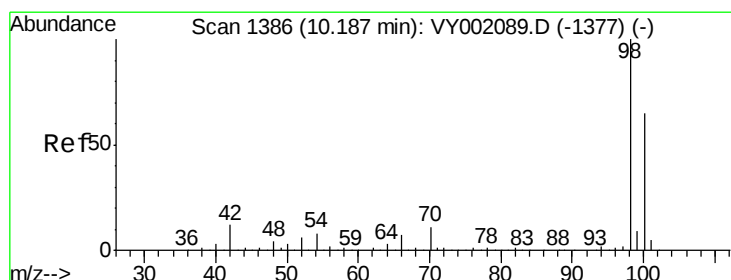
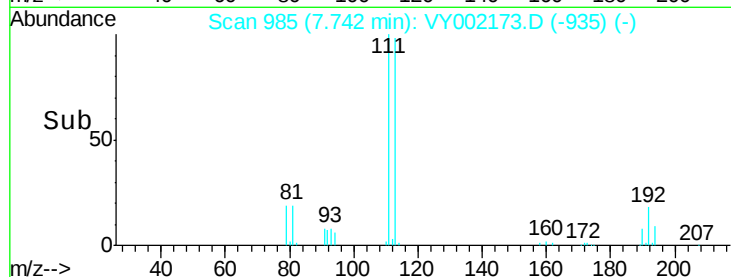
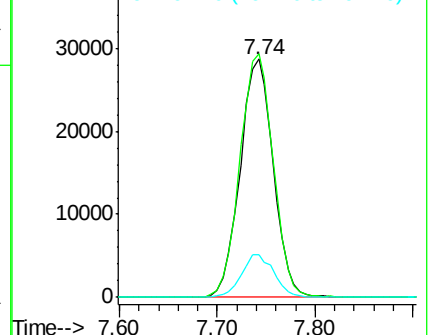
192 17.8 14.6 21.8



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: 52.571 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002173.D

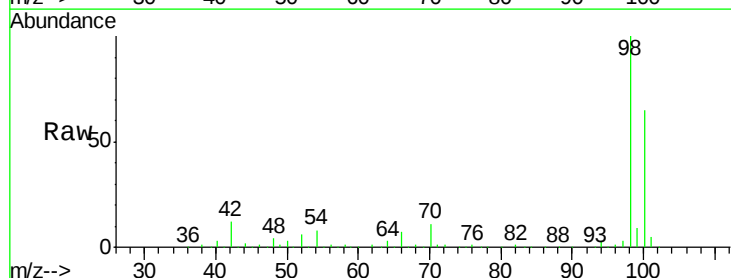
Acq: 01 Apr 2020 19:03

Tgt Ion: 98 Resp: 276094

Ion Ratio Lower Upper

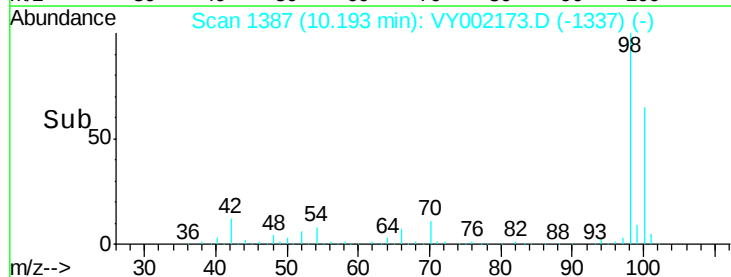
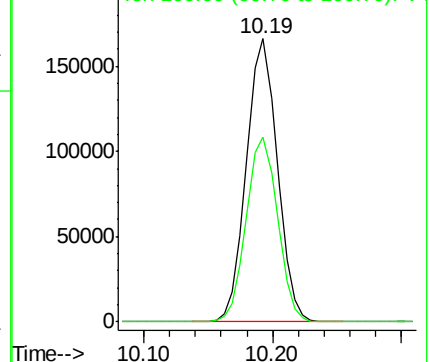
98 100

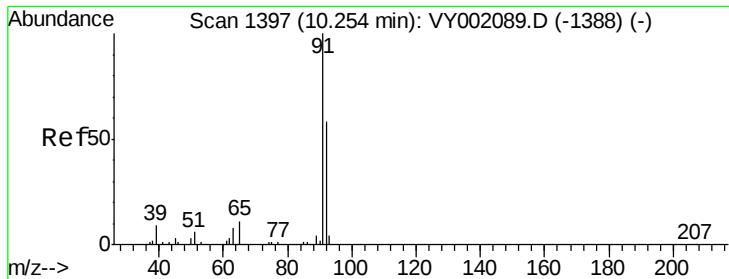
100 66.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#52

Toluene

Concen: 1.263 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VY002173.D

Acq: 01 Apr 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

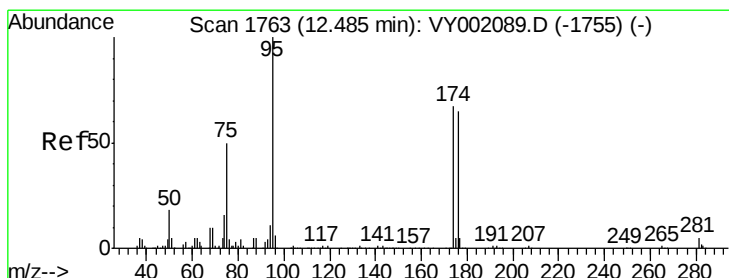
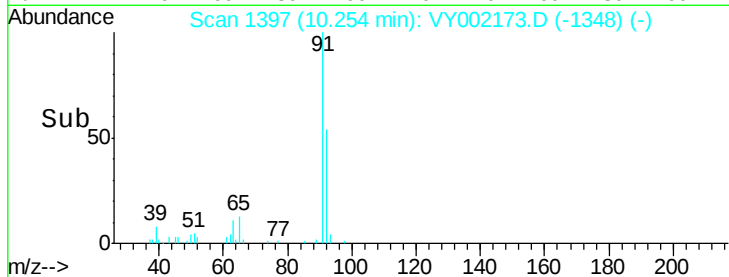
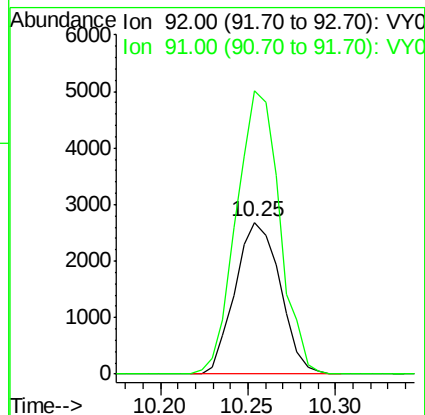
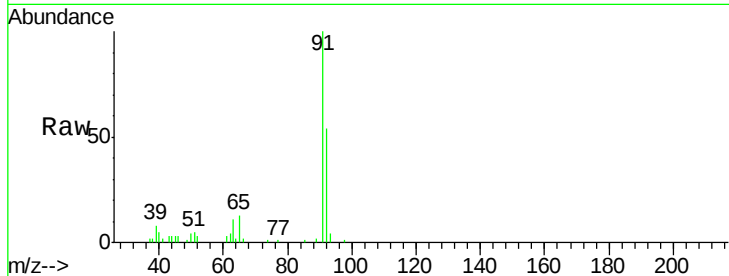
TP-1

Tot Ion: 92 Resp: 4828

Ion Ratio Lower Upper

92 100

91 179.6 139.3 208.9



#62

4-Bromofluorobenzene

Concen: 47.119 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002173.D

Acq: 01 Apr 2020 19:03

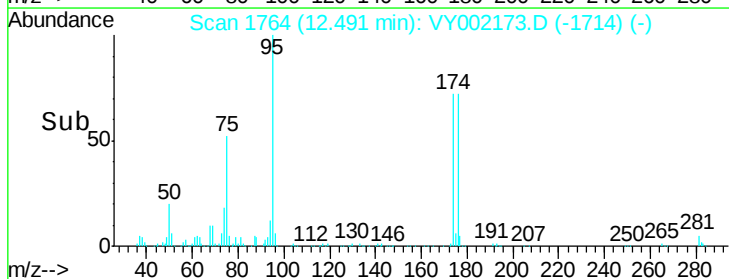
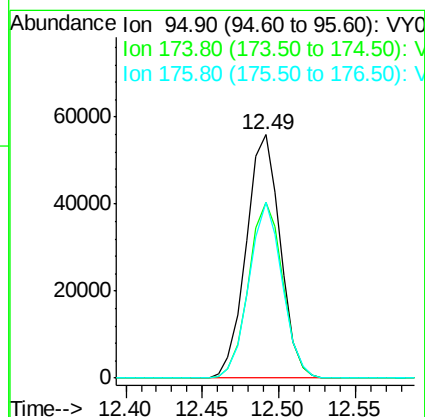
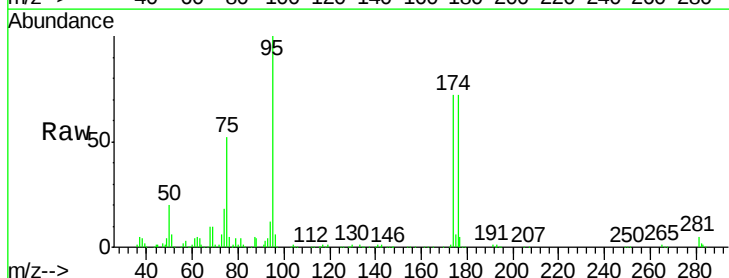
Tgt Ion: 95 Resp: 86546

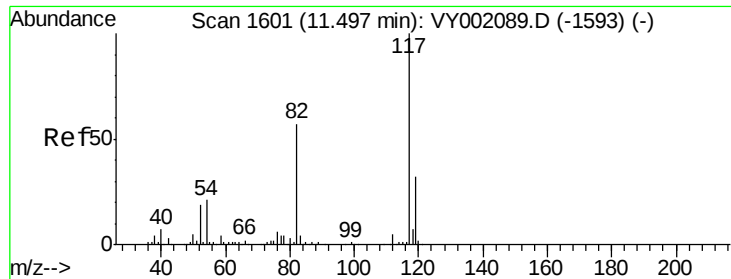
Ion Ratio Lower Upper

95 100

174 72.6 0.0 143.4

176 70.5 0.0 137.0

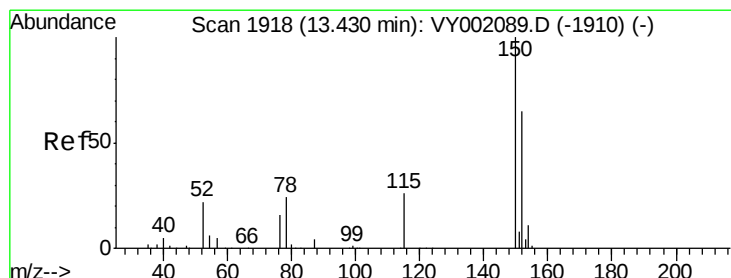
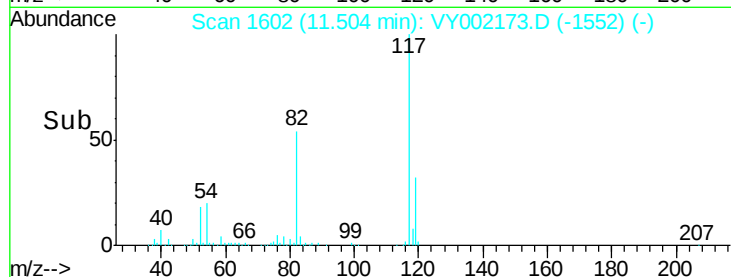
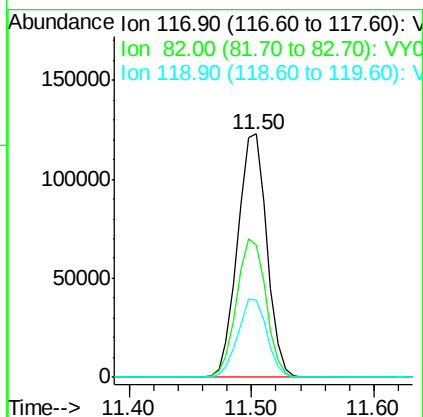
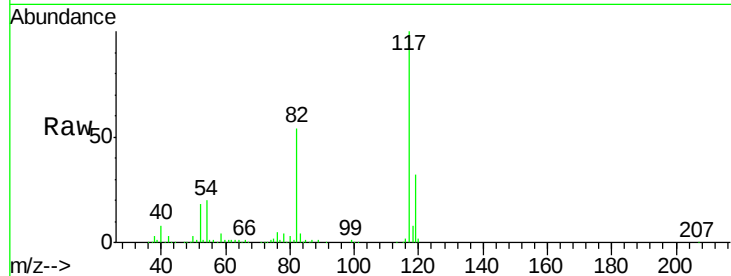




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002173.D
Acq: 01 Apr 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :
TP-1

Tot Ion:117 Resp: 203579
Ion Ratio Lower Upper
117 100
82 54.3 45.4 68.2
119 31.9 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002173.D
Acq: 01 Apr 2020 19:03

Tgt Ion:152 Resp: 80578
Ion Ratio Lower Upper
152 100
115 60.6 31.2 93.6
150 157.6 0.0 354.8

