

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012320\
 Data File : VW014733.D
 Acq On : 23 Jan 2020 19:14
 Operator : SY/VA
 Sample : L1243-10
 Misc : 7.25G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CTY-SB-03-5-6

Quant Time: Jan 24 06:29:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

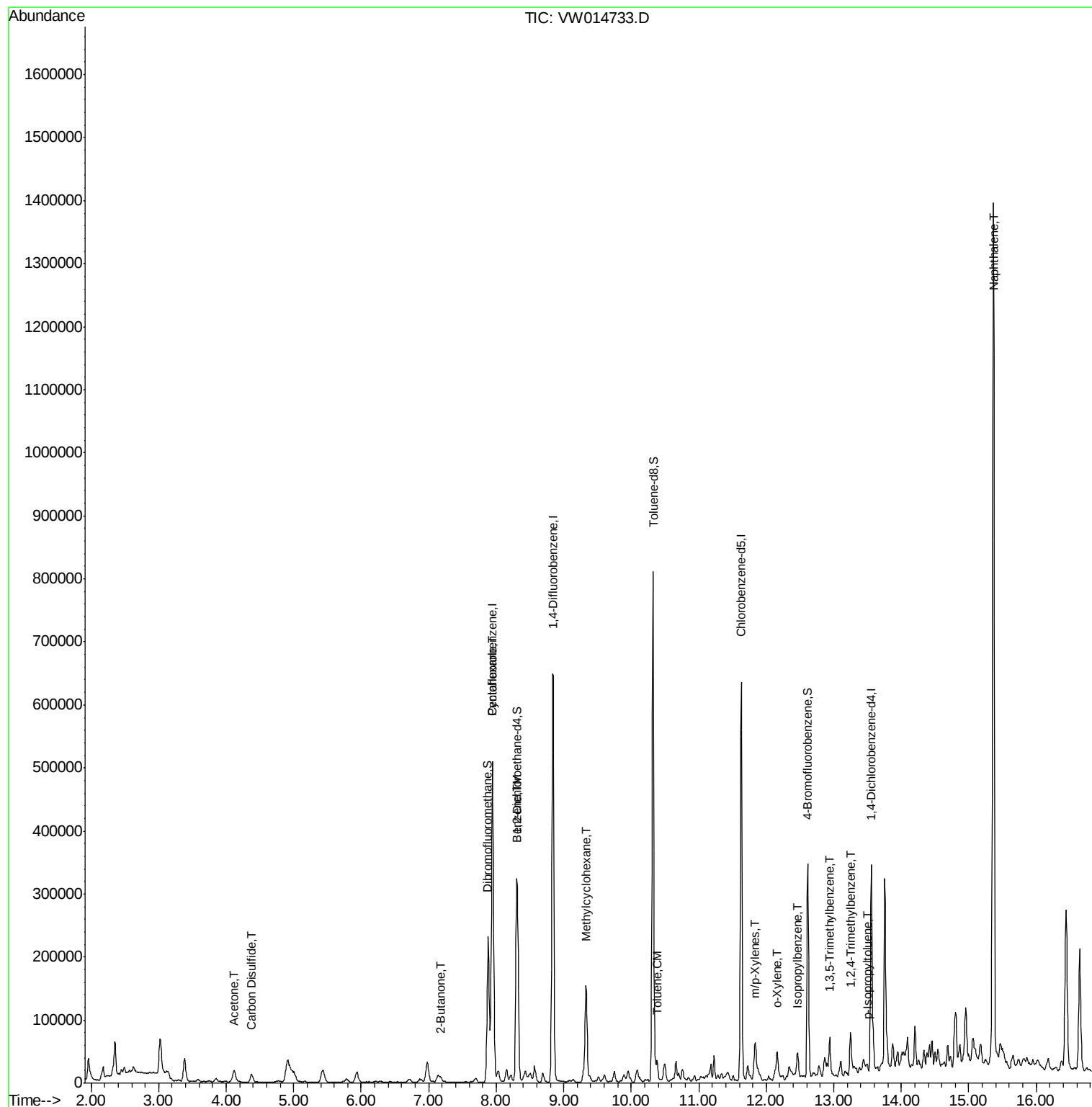
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	328817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	551644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	354408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	88712	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	194216	67.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	135.12%	
35) Dibromofluoromethane	7.88	113	164586	52.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.40%	
50) Toluene-d8	10.32	98	519220	39.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.92%	
62) 4-Bromofluorobenzene	12.62	95	110232	24.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	49.40%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	28392	34.975	ug/l #	80
17) Carbon Disulfide	4.38	76	26754	2.713	ug/l	95
25) 2-Butanone	7.18	43	8018	7.697	ug/l	99
31) Cyclohexane	7.95	56	52562	8.567	ug/l #	86
39) Methylcyclohexane	9.33	83	56991	8.351	ug/l	92
40) Benzene	8.32	78	132100	8.779	ug/l	97
52) Toluene	10.38	92	13250	1.400	ug/l	99
68) m/p-Xylenes	11.84	106	16408	3.276	ug/l	87
69) o-Xylene	12.16	106	11368	2.457	ug/l	96
73) Isopropylbenzene	12.46	105	18669	2.868	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	24716	4.522	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	38288	7.040	ug/l	95
86) p-Isopropyltoluene	13.49	119	6580	1.090	ug/l	91
95) Naphthalene	15.36	128	1152034	387.126	ug/l	100

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014733.D

Acq: 23 Jan 2020 19:14

Instrument :

MSVOA_W

ClientSampleId :

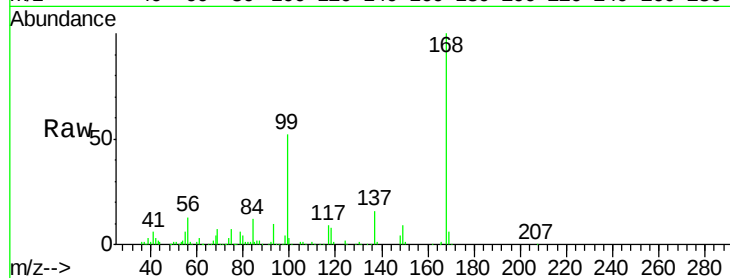
CTY-SB-03-5-6

Tot Ion:168 Resp: 328817

Ion Ratio Lower Upper

168 100

99 52.3 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

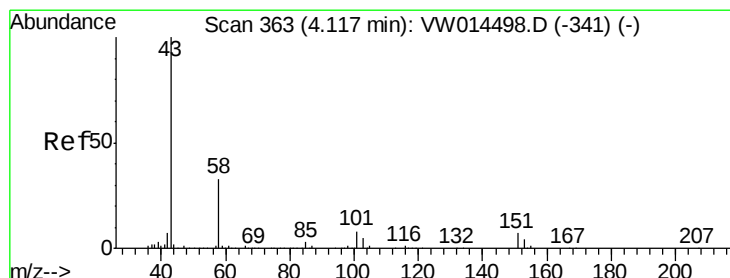
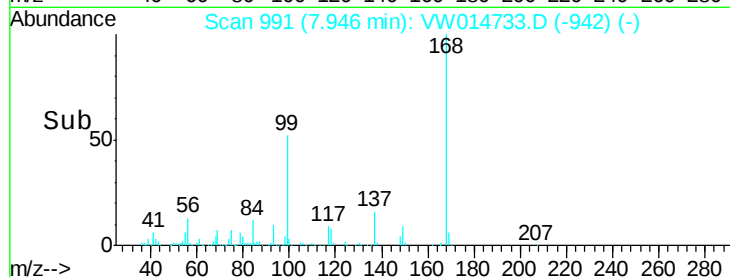
100000

50000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 34.975 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014733.D

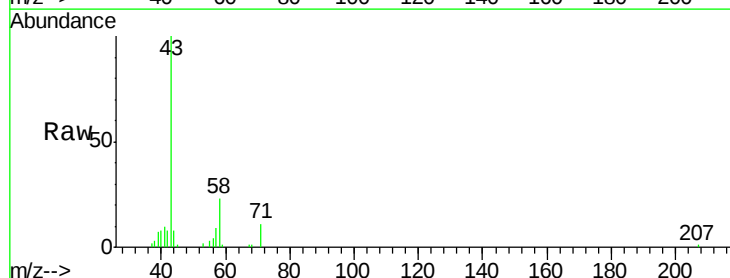
Acq: 23 Jan 2020 19:14

Tgt Ion: 43 Resp: 28392

Ion Ratio Lower Upper

43 100

58 21.6 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

12000

10000

8000

6000

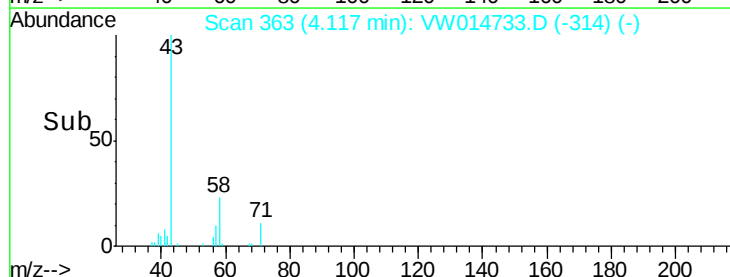
4000

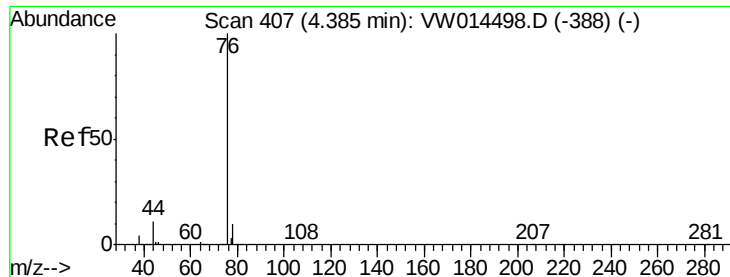
2000

0

4.00 4.10 4.20

Time-->





#17

Carbon Disulfide

Concen: 2.713 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014733.D

Acq: 23 Jan 2020 19:14

Instrument :

MSVOA_W

ClientSampleId :

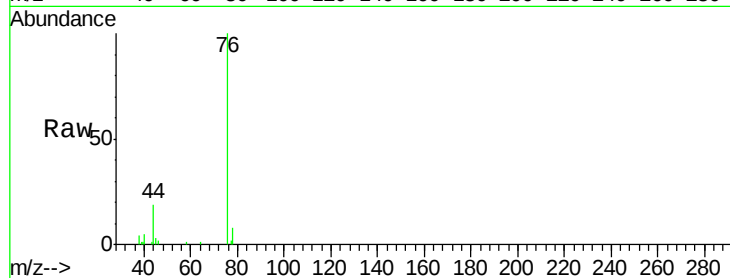
CTY-SB-03-5-6

Tot Ion: 76 Resp: 26754

Ion Ratio Lower Upper

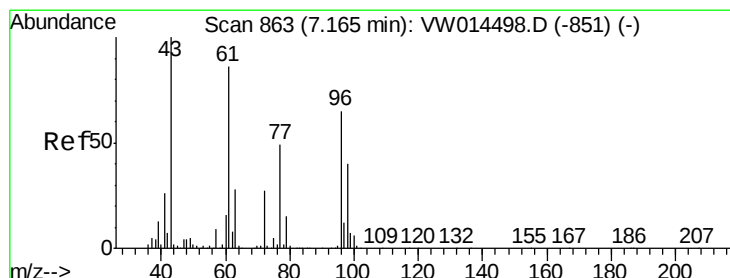
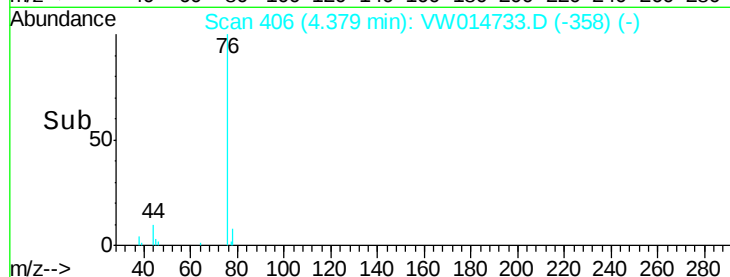
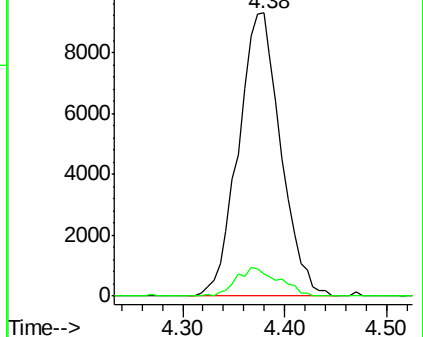
76 100

78 8.0 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#25

2-Butanone

Concen: 7.697 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW014733.D

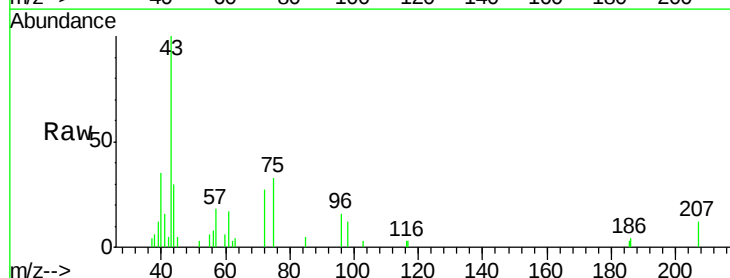
Acq: 23 Jan 2020 19:14

Tgt Ion: 43 Resp: 8018

Ion Ratio Lower Upper

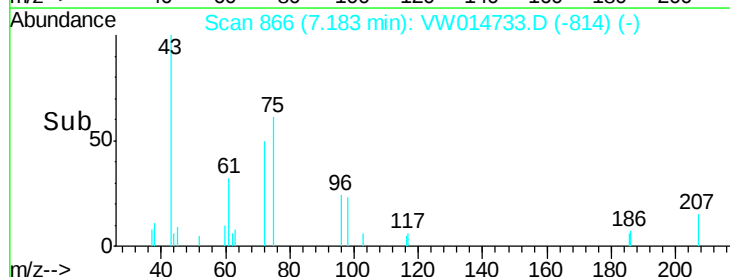
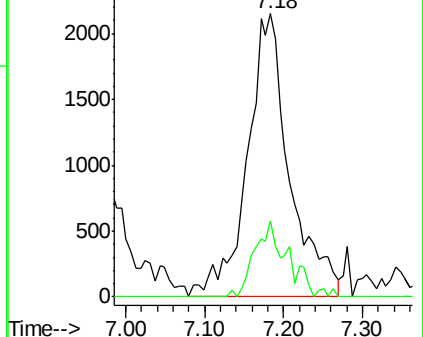
43 100

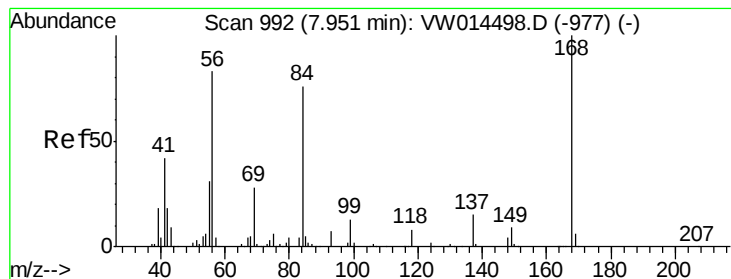
72 26.8 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 8.567 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW014733.D

Acq: 23 Jan 2020 19:14

Instrument :

MSVOA_W

ClientSampleId :

CTY-SB-03-5-6

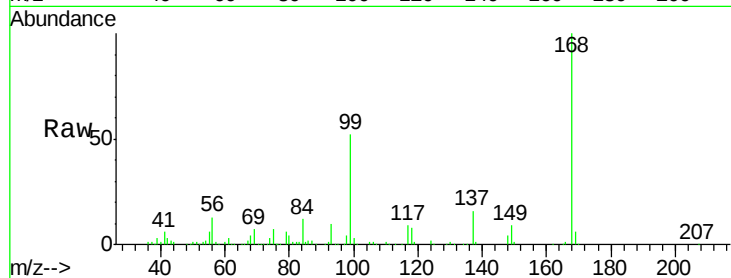
Tot Ion: 56 Resp: 52562

Ion Ratio Lower Upper

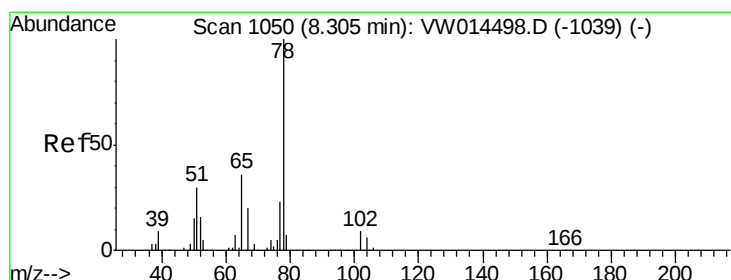
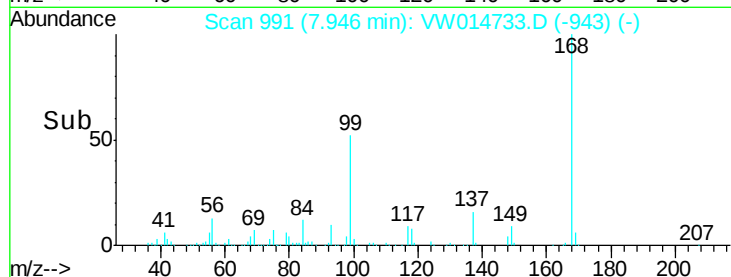
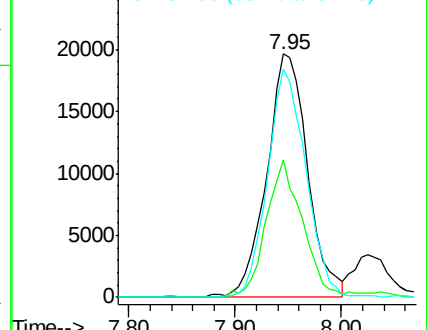
56 100

69 56.5 26.8 40.2#

84 93.5 71.8 107.6



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 67.556 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014733.D

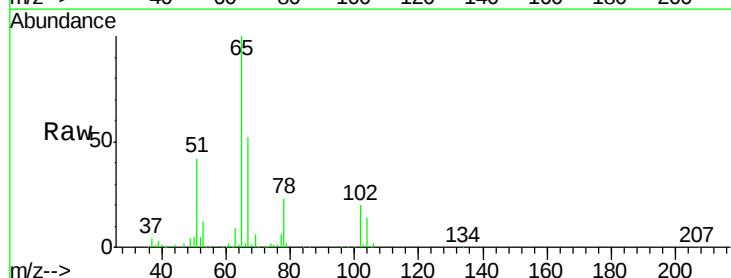
Acq: 23 Jan 2020 19:14

Tgt Ion: 65 Resp: 194216

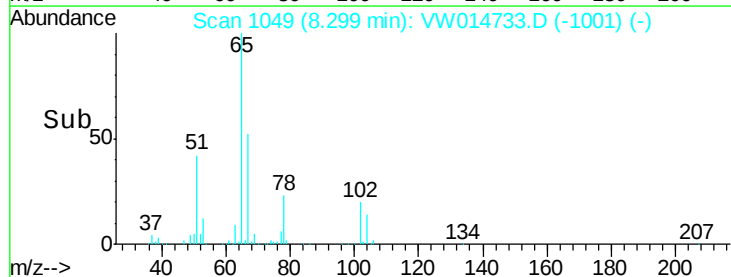
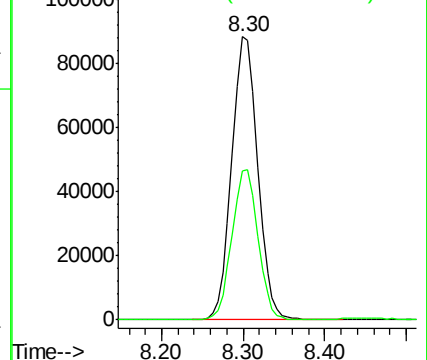
Ion Ratio Lower Upper

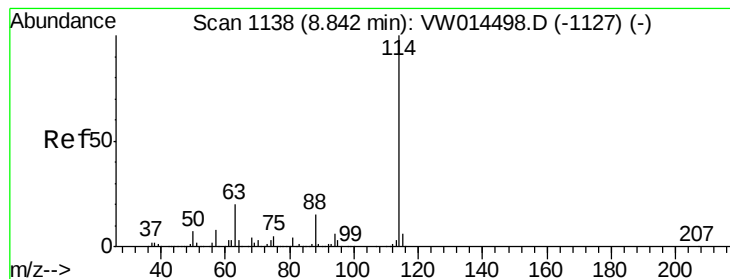
65 100

67 52.6 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW014733.D

Acq: 23 Jan 2020 19:14

Instrument :

MSVOA_W

ClientSampleId :

CTY-SB-03-5-6

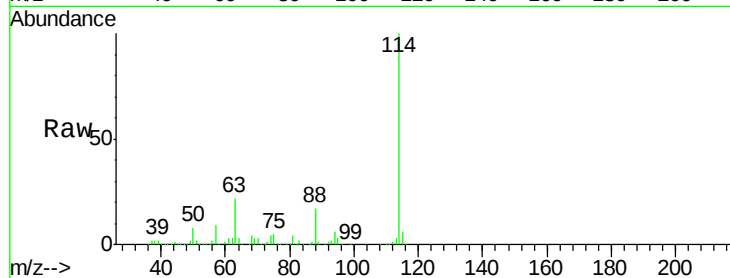
Tot Ion:114 Resp: 551644

Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.4

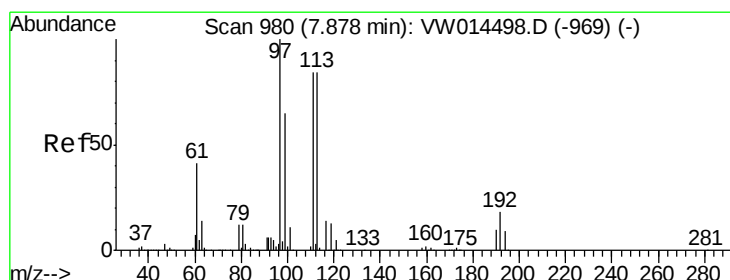
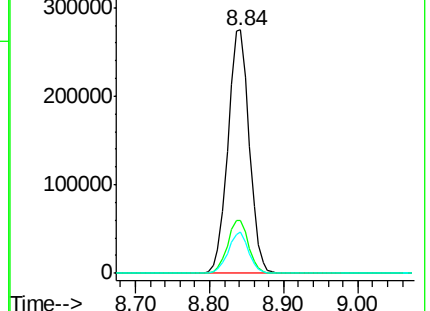
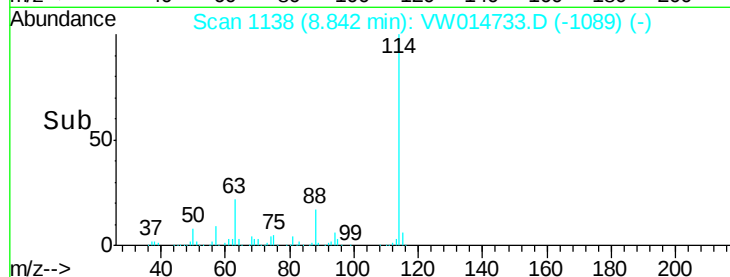
88 16.8 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 52.204 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW014733.D

Acq: 23 Jan 2020 19:14

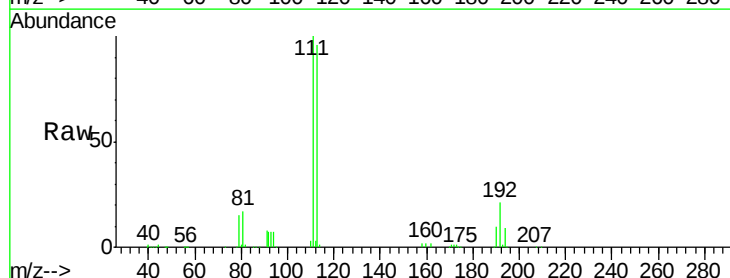
Tgt Ion:113 Resp: 164586

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.2

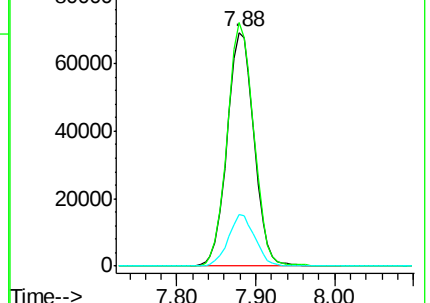
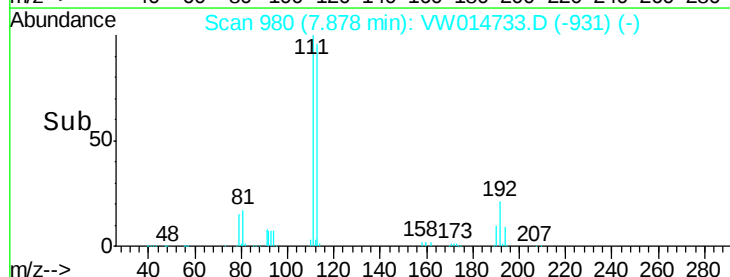
192 21.3 17.8 26.8

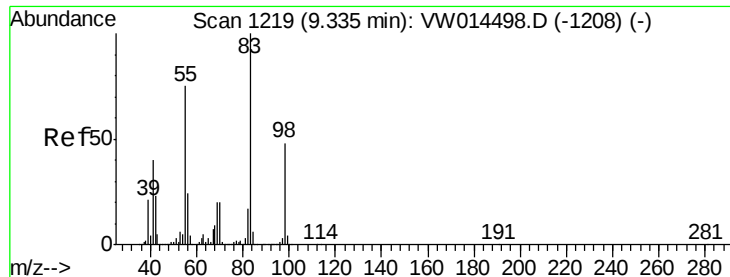


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

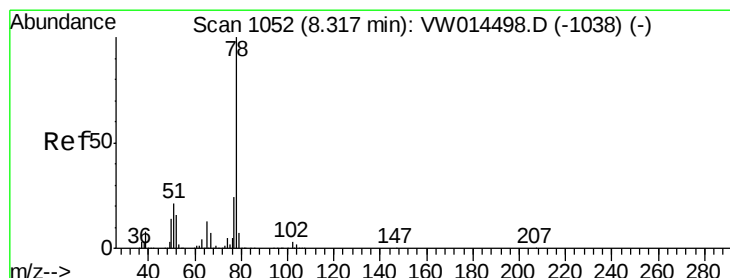
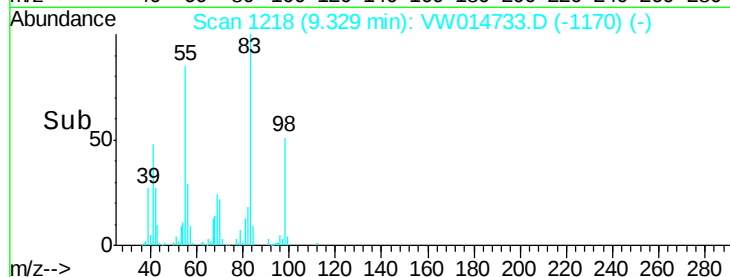
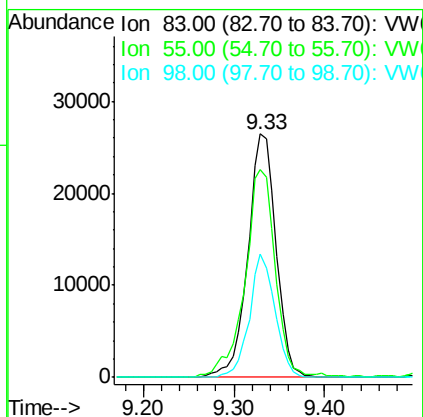
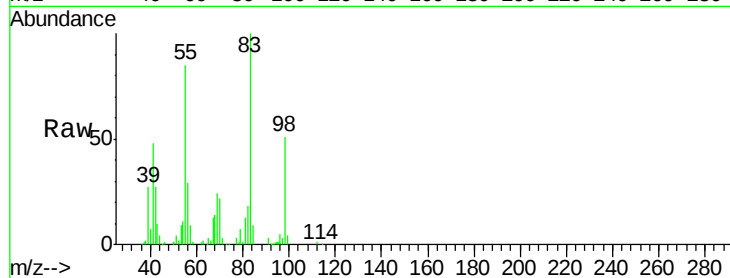




#39
Methvlcvclohexane
Concen: 8.351 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014733.D
Acq: 23 Jan 2020 19:14

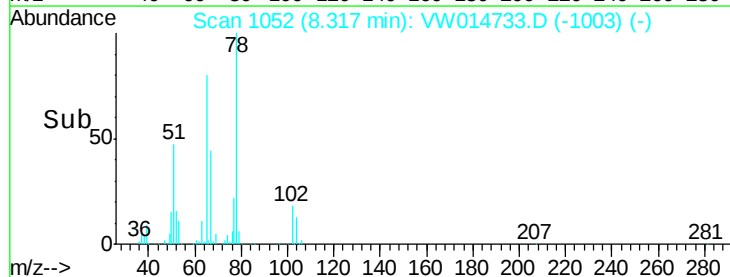
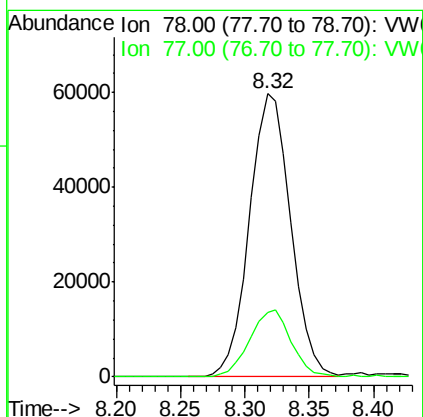
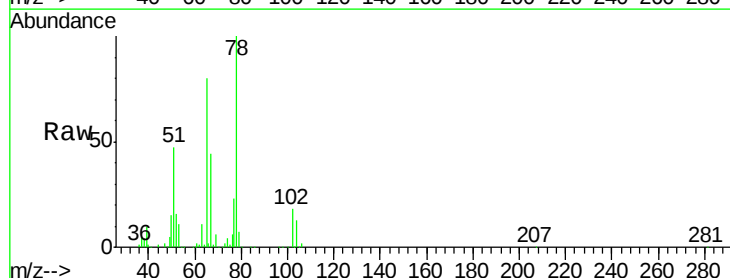
Instrument :
MSVOA_W
ClientSampleId :
CTY-SB-03-5-6

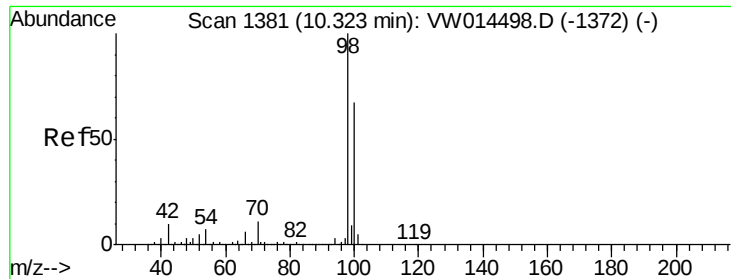
Tot Ion: 83 Resp: 56991
Ion Ratio Lower Upper
83 100
55 85.3 60.1 90.1
98 50.6 38.8 58.2



#40
Benzene
Concen: 8.779 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014733.D
Acq: 23 Jan 2020 19:14

Tgt Ion: 78 Resp: 132100
Ion Ratio Lower Upper
78 100
77 22.5 19.3 28.9





#50

Toluene-d8

Concen: 39.463 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014733.D

Acq: 23 Jan 2020 19:14

Instrument :

MSVOA_W

ClientSampleId :

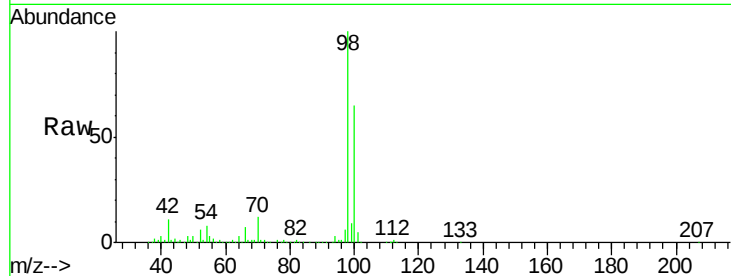
CTY-SB-03-5-6

Tot Ion: 98 Resp: 519220

Ion Ratio Lower Upper

98 100

100 66.1 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

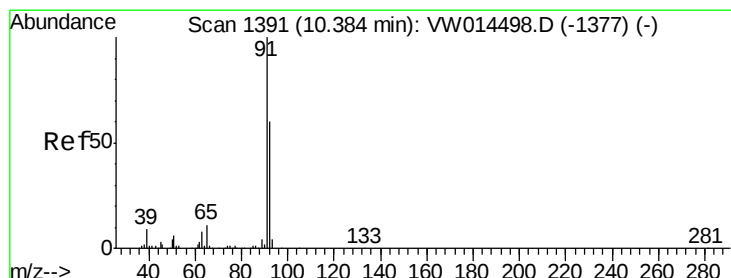
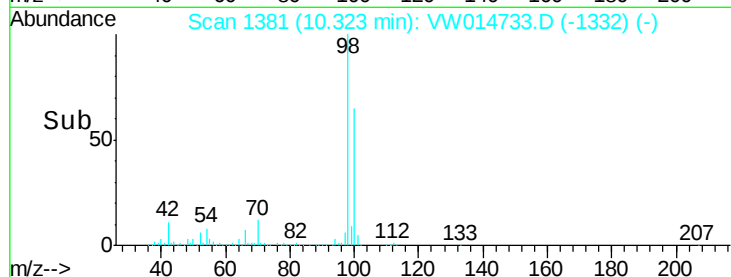
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#52

Toluene

Concen: 1.400 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014733.D

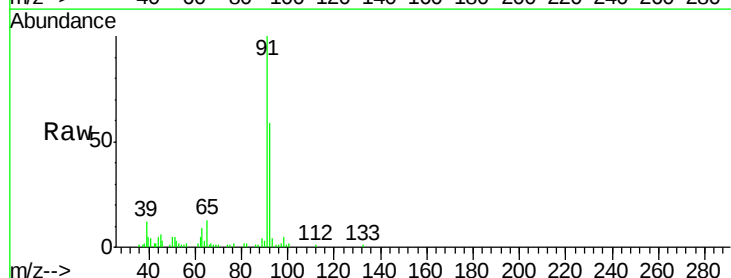
Acq: 23 Jan 2020 19:14

Tgt Ion: 92 Resp: 13250

Ion Ratio Lower Upper

92 100

91 168.9 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

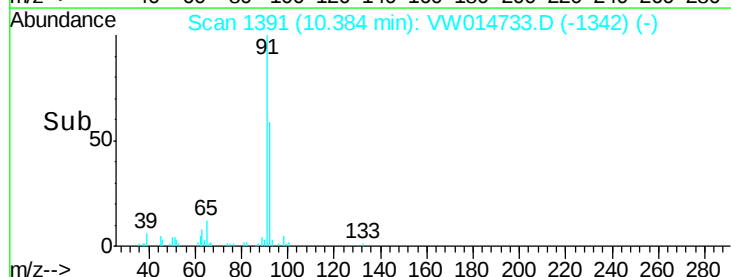
15000

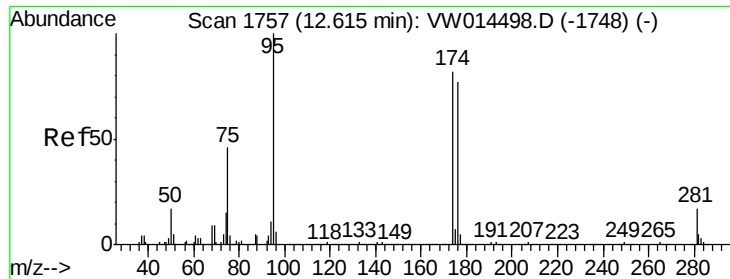
10000

5000

0

Time--> 10.30 10.40





#62

4-Bromofluorobenzene

Concen: 24.700 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014733.D

Acq: 23 Jan 2020 19:14

Instrument :

MSVOA_W

ClientSampleId :

CTY-SB-03-5-6

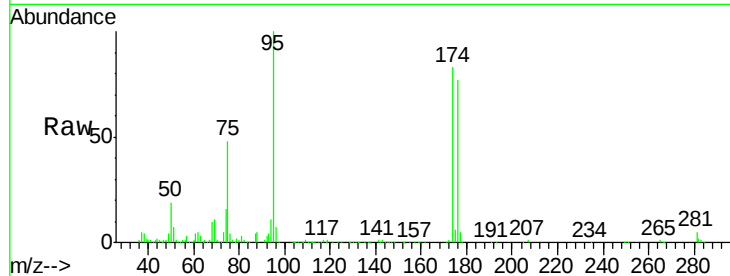
Tot Ion: 95 Resp: 110232

Ion Ratio Lower Upper

95 100

174 83.3 0.0 168.6

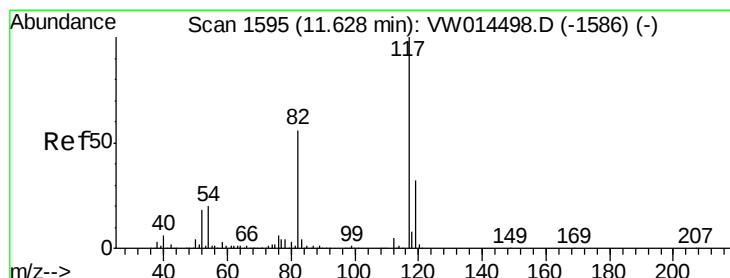
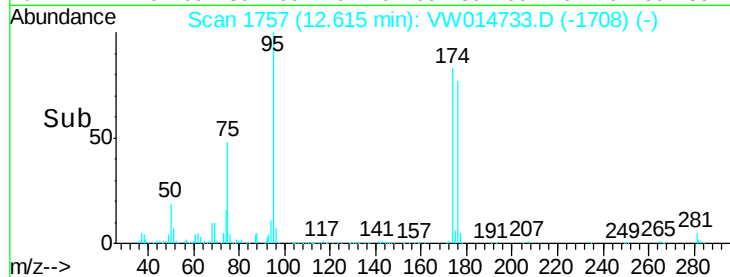
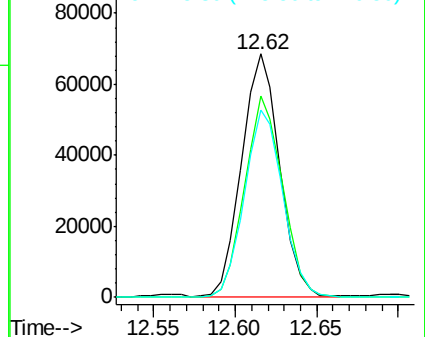
176 78.6 0.0 162.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW014733.D

Acq: 23 Jan 2020 19:14

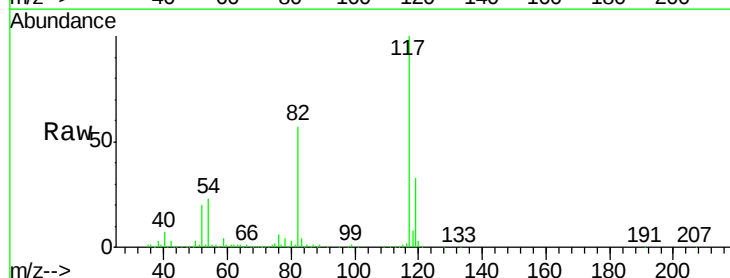
Tgt Ion: 117 Resp: 354408

Ion Ratio Lower Upper

117 100

82 56.7 44.6 67.0

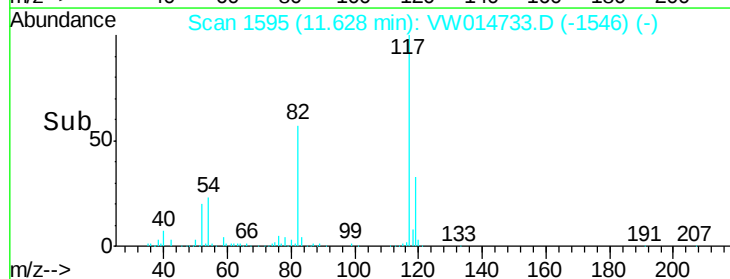
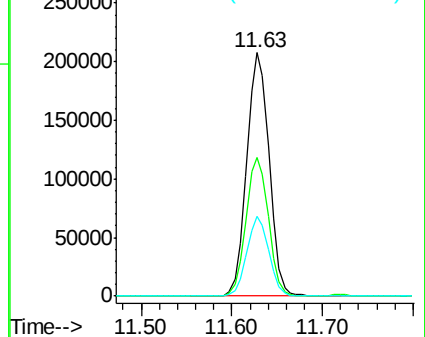
119 32.6 25.7 38.5

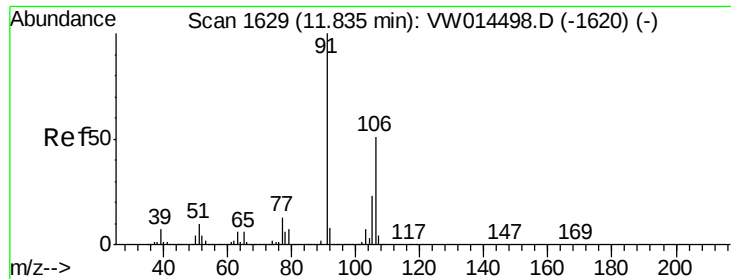


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#68

m/p-Xylenes

Concen: 3.276 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014733.D

Acq: 23 Jan 2020 19:14

Instrument :

MSVOA_W

ClientSampleId :

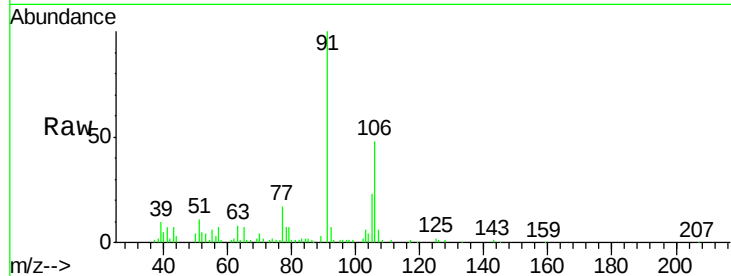
CTY-SB-03-5-6

Tot Ion:106 Resp: 16408

Ion Ratio Lower Upper

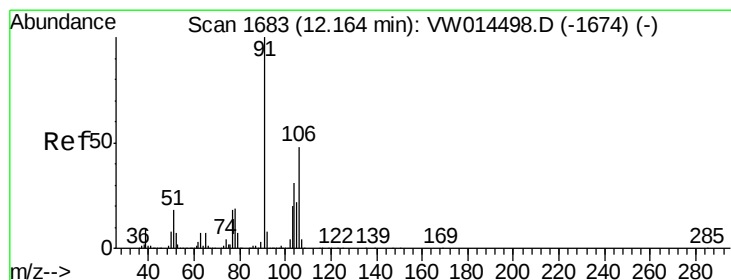
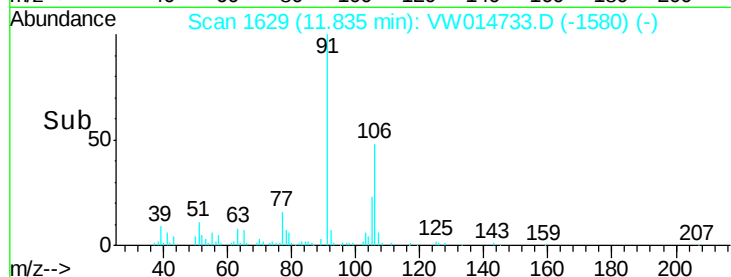
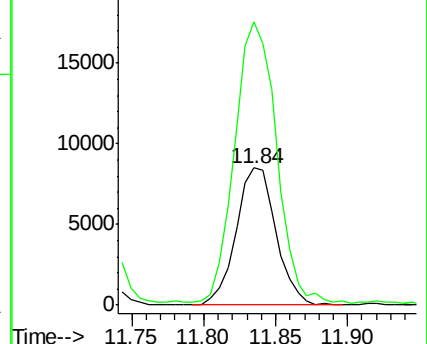
106 100

91 219.0 159.0 238.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 2.457 ug/l

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014733.D

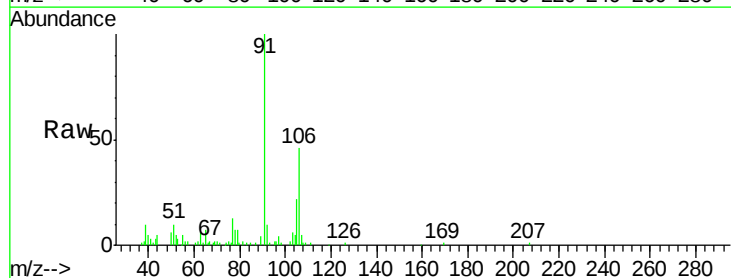
Acq: 23 Jan 2020 19:14

Tgt Ion:106 Resp: 11368

Ion Ratio Lower Upper

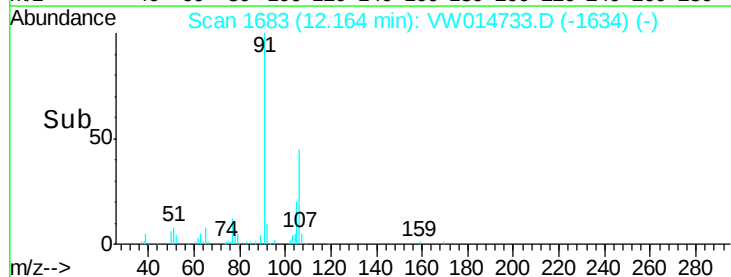
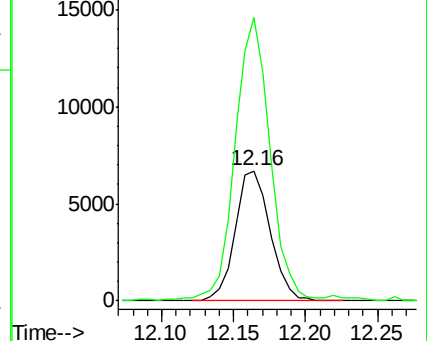
106 100

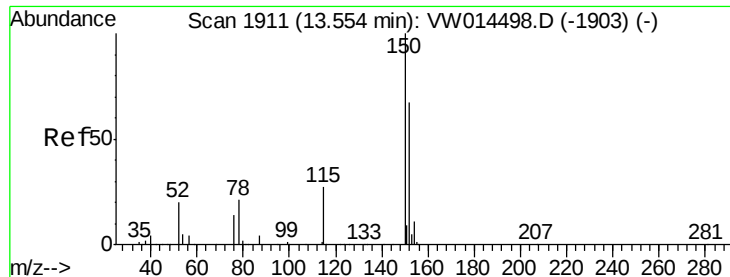
91 217.1 105.2 315.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014733.D

Acq: 23 Jan 2020 19:14

Instrument :

MSVOA_W

ClientSampleId :

CTY-SB-03-5-6

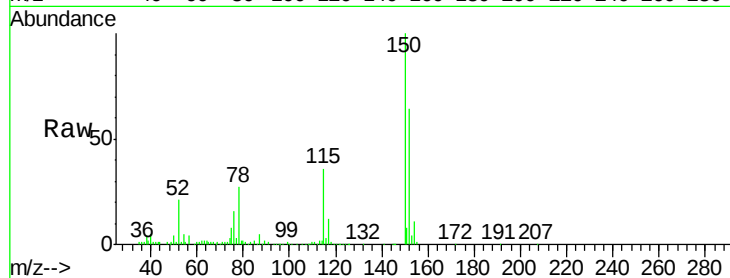
Tot Ion:152 Resp: 88712

Ion Ratio Lower Upper

152 100

115 58.5 27.7 83.1

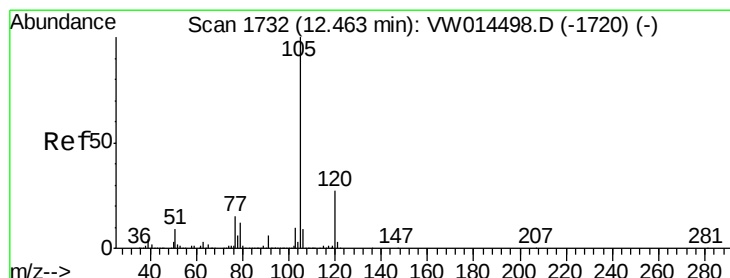
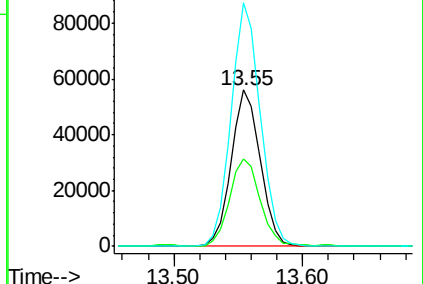
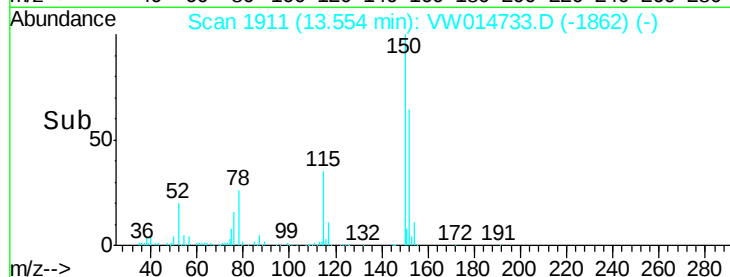
150 155.4 0.0 343.4



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: 2.868 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014733.D

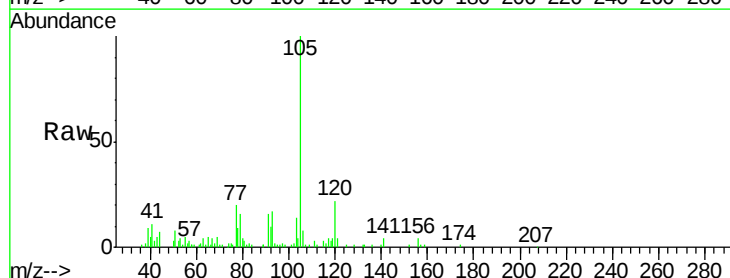
Acq: 23 Jan 2020 19:14

Tgt Ion:105 Resp: 18669

Ion Ratio Lower Upper

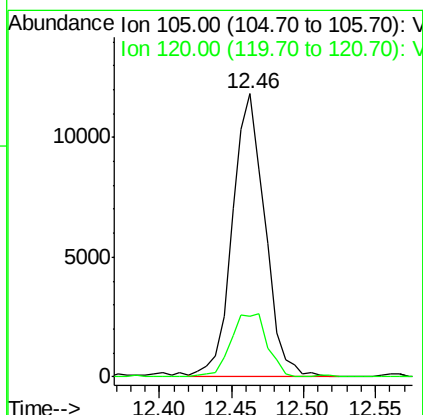
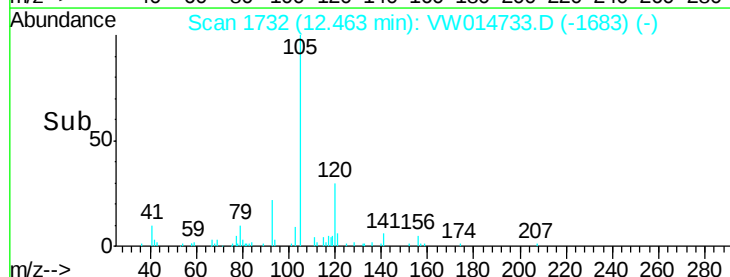
105 100

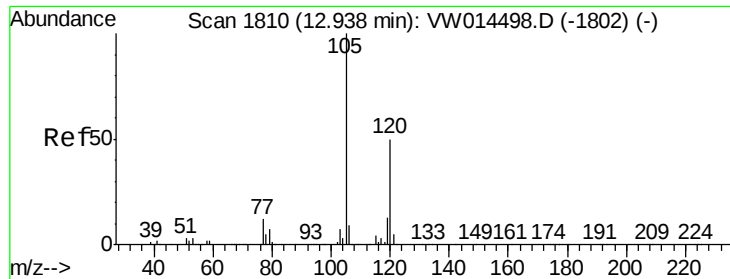
120 25.1 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

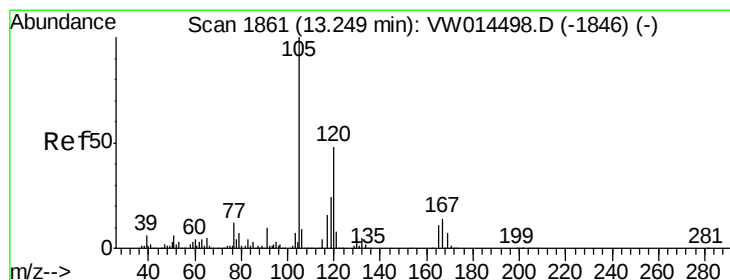
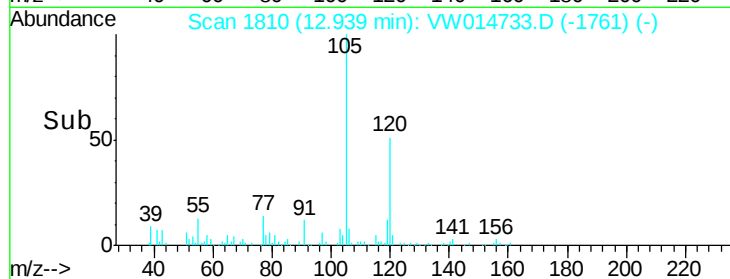
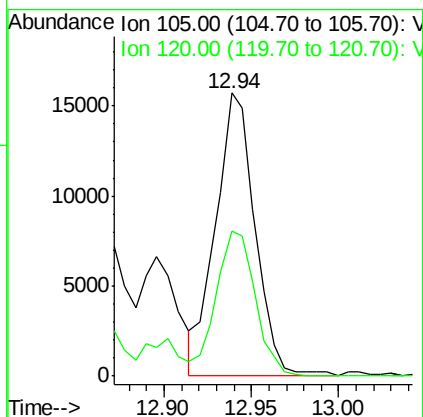
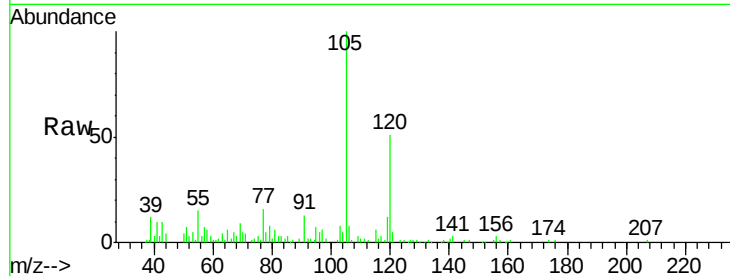




#80
 1,3,5-Trimethylbenzene
 Concen: 4.522 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW014733.D
 Acq: 23 Jan 2020 19:14

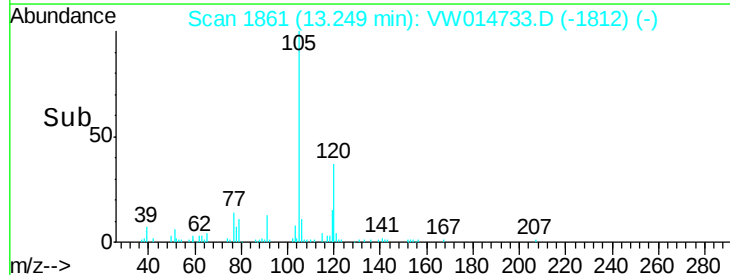
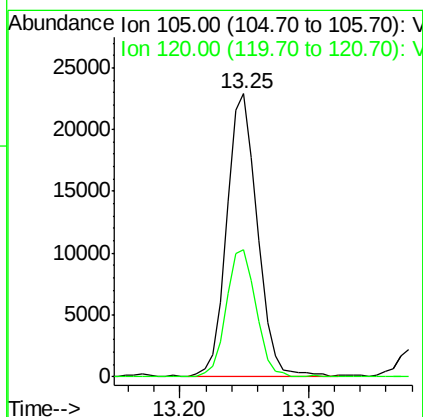
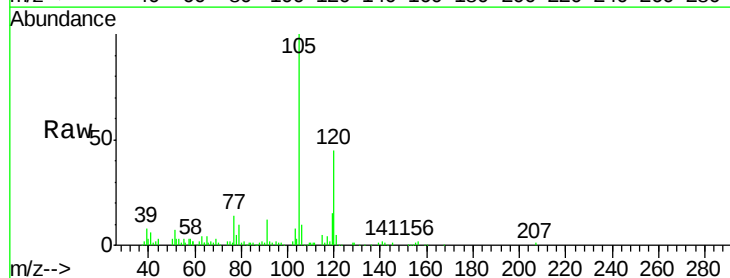
Instrument :
 MSVOA_W
 ClientSampleId :
 CTY-SB-03-5-6

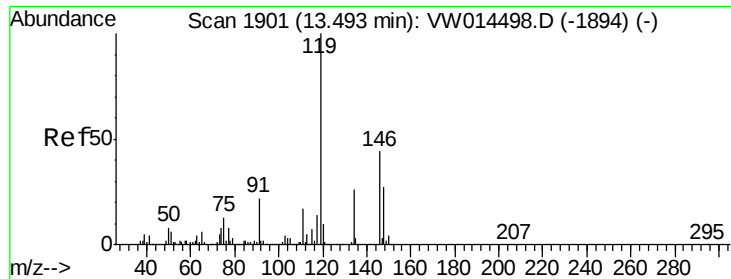
Tot Ion:105 Resp: 24716
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.2 75.6



#84
 1,2,4-Trimethylbenzene
 Concen: 7.040 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW014733.D
 Acq: 23 Jan 2020 19:14

Tgt Ion:105 Resp: 38288
 Ion Ratio Lower Upper
 105 100
 120 43.5 23.4 70.0

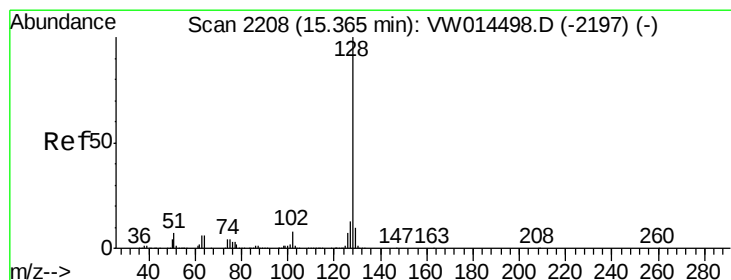
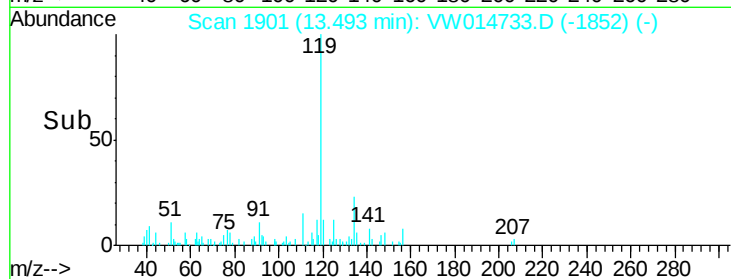
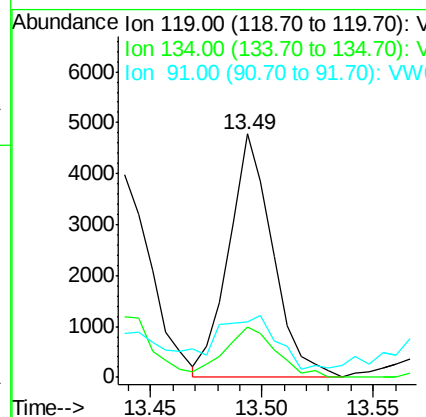
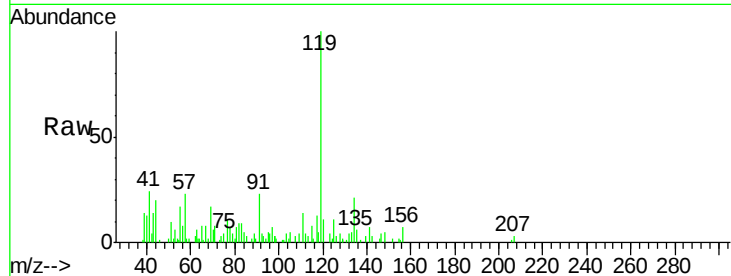




#86
p-Isopropyltoluene
Concen: 1.090 ug/l
RT: 13.49 min Scan# 1901
Delta R.T. 0.00 min
Lab File: VW014733.D
Acq: 23 Jan 2020 19:14

Instrument :
MSVOA_W
ClientSampleId :
CTY-SB-03-5-6

Tot Ion:119 Resp: 6580
Ion Ratio Lower Upper
119 100
134 24.3 13.2 39.5
91 29.1 11.1 33.3



#95
Naphthalene
Concen: 387.126 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014733.D
Acq: 23 Jan 2020 19:14

Tgt Ion:128 Resp: 1152034
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.9 8.7 13.1

