

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090519\
 Data File : VW012640.D
 Acq On : 05 Sep 2019 15:02
 Operator : SY/VA
 Sample : K4639-04
 Misc : 5.03G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DW-02

Quant Time: Sep 05 17:09:12 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	184318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	306533	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	167401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	31279	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	125181	57.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.26%	
35) Dibromofluoromethane	7.88	113	99677	54.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.96%	
50) Toluene-d8	10.32	98	304399	41.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.06%	
62) 4-Bromofluorobenzene	12.62	95	56839	21.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	43.46%	

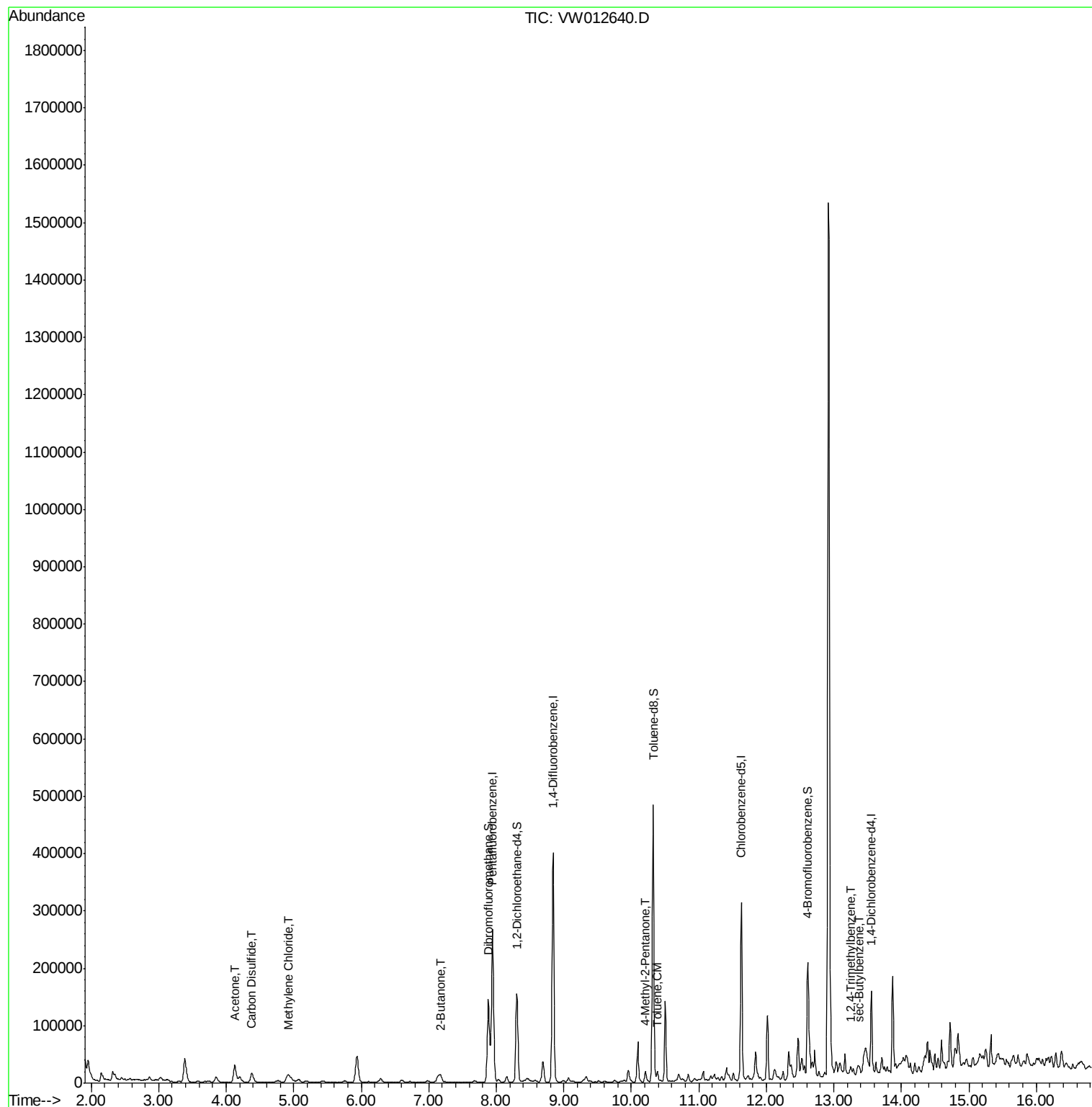
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	57398	102.480	ug/l	97
17) Carbon Disulfide	4.38	76	33129	5.929	ug/l	100
20) Methylene Chloride	4.92	84	9094	4.295	ug/l	87
25) 2-Butanone	7.18	43	18646	24.499	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	13244	8.098	ug/l	99
52) Toluene	10.39	92	6373	1.226	ug/l	94
84) 1,2,4-Trimethylbenzene	13.25	105	7242	3.681	ug/l	99
85) sec-Butylbenzene	13.38	105	6043	2.543	ug/l	86

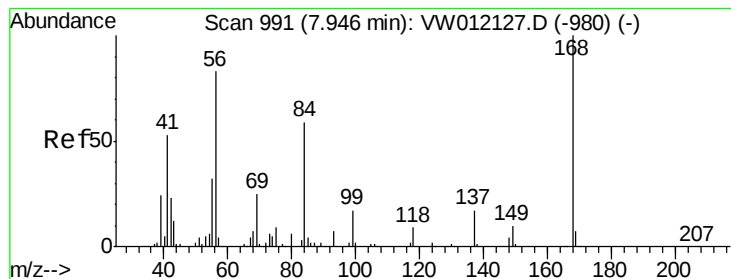
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
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: VW012640.D

Acq: 05 Sep 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

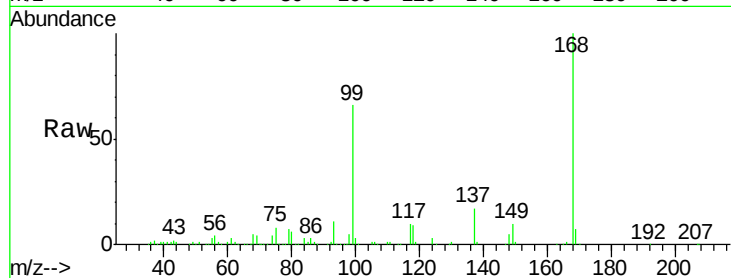
DW-02

Tot Ion:168 Resp: 184318

Ion Ratio Lower Upper

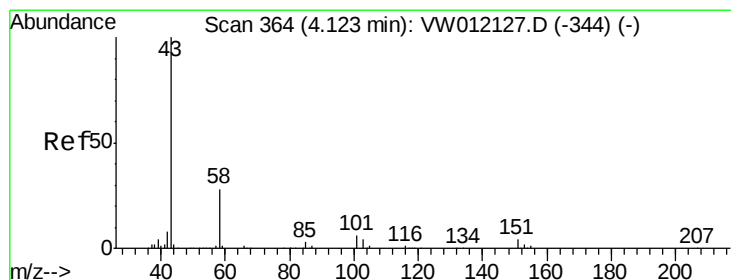
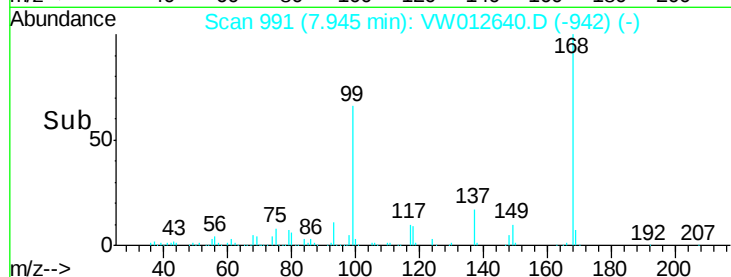
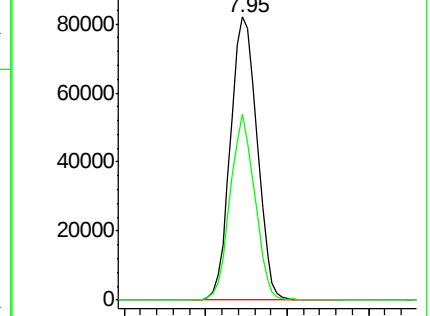
168 100

99 65.7 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 102.480 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012640.D

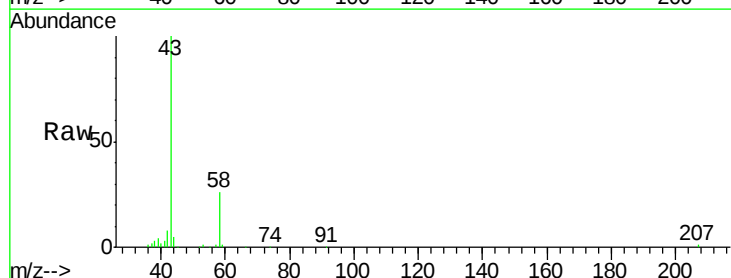
Acq: 05 Sep 2019 15:02

Tgt Ion: 43 Resp: 57398

Ion Ratio Lower Upper

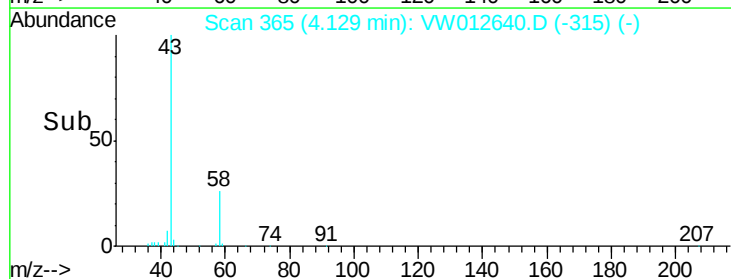
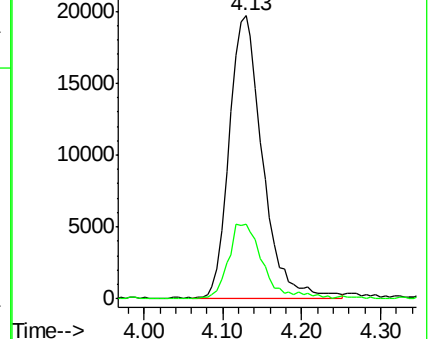
43 100

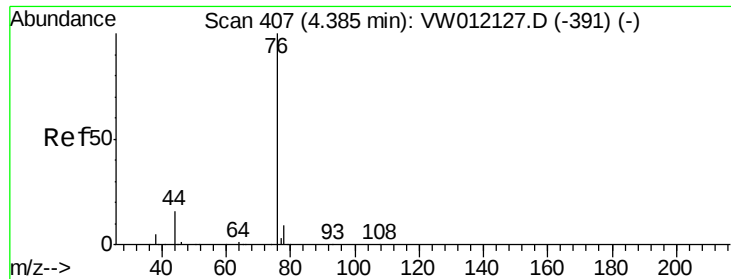
58 26.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 5.929 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012640.D

Acq: 05 Sep 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

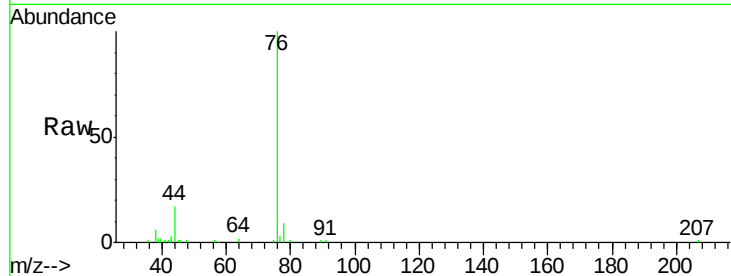
DW-02

Tot Ion: 76 Resp: 33129

Ion Ratio Lower Upper

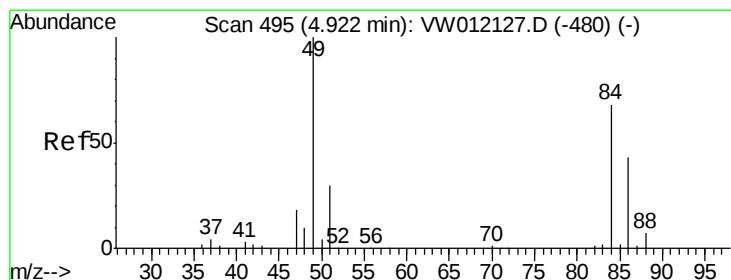
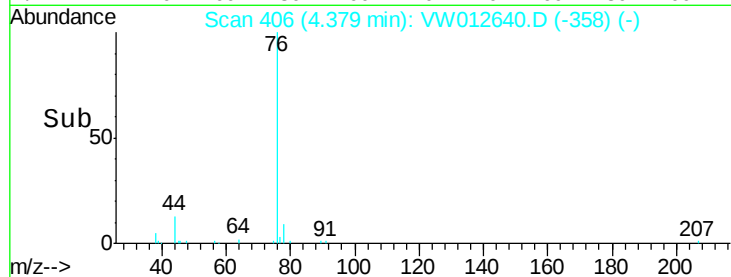
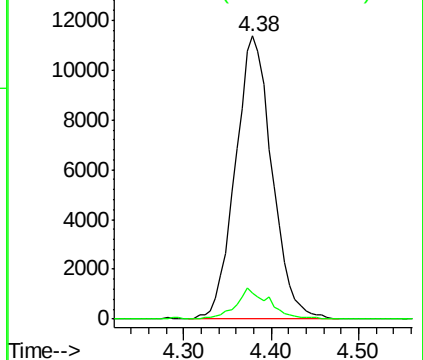
76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 4.295 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012640.D

Acq: 05 Sep 2019 15:02

Tgt Ion: 84 Resp: 9094

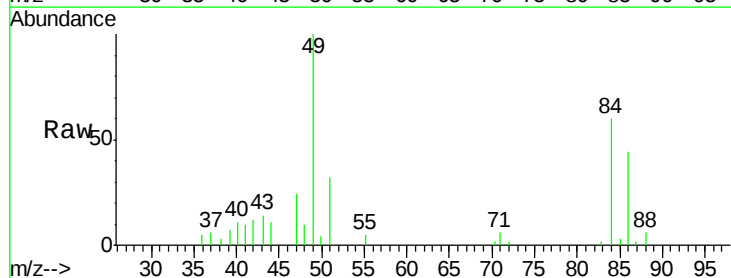
Ion Ratio Lower Upper

84 100

49 164.2 117.8 176.8

51 50.6 35.6 53.4

86 74.1 51.2 76.8

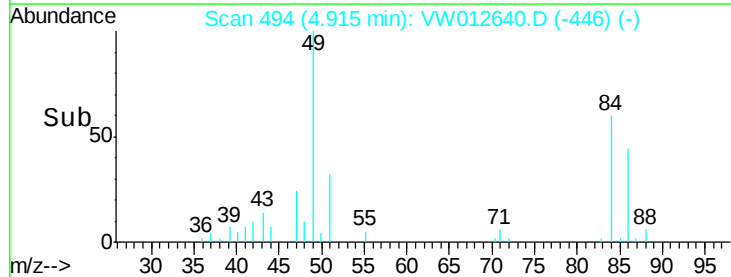
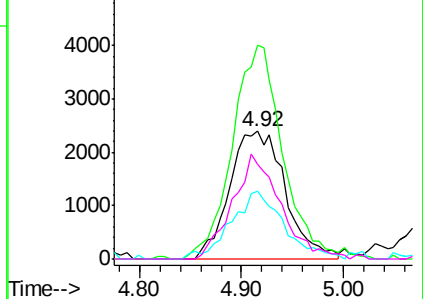


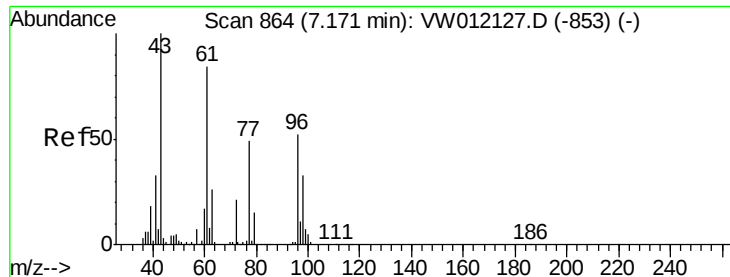
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 24.499 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012640.D

Acq: 05 Sep 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

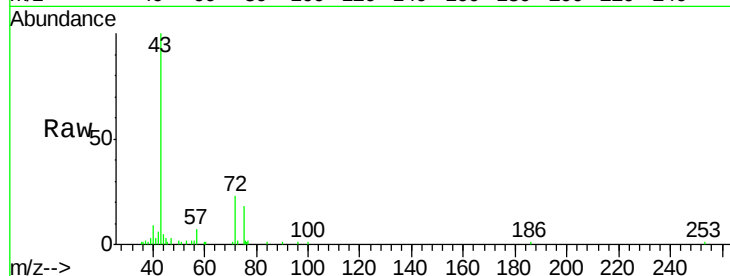
DW-02

Tot Ion: 43 Resp: 18646

Ion Ratio Lower Upper

43 100

72 22.9 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

8000

6000

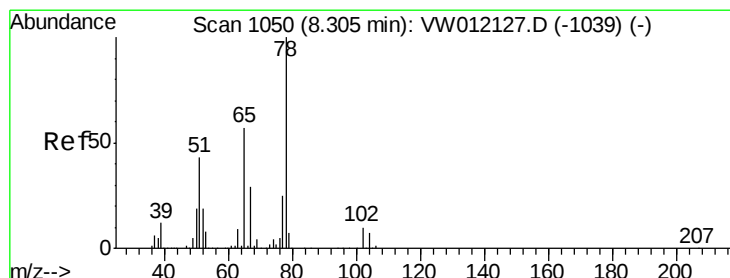
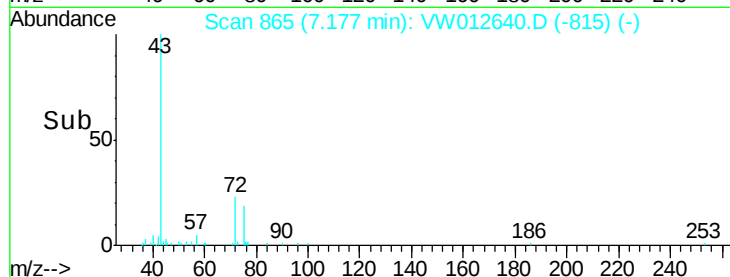
4000

2000

0

7.10 7.20

Time-->



#33

1,2-Dichloroethane-d4

Concen: 57.132 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012640.D

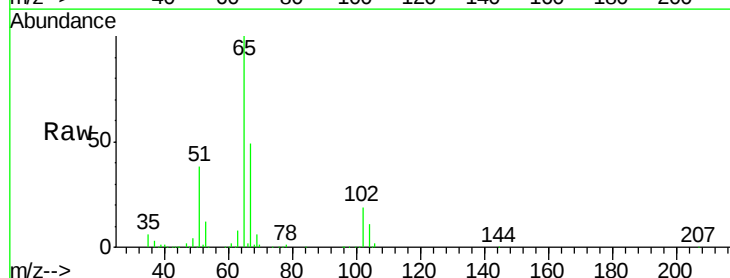
Acq: 05 Sep 2019 15:02

Tgt Ion: 65 Resp: 125181

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

60000

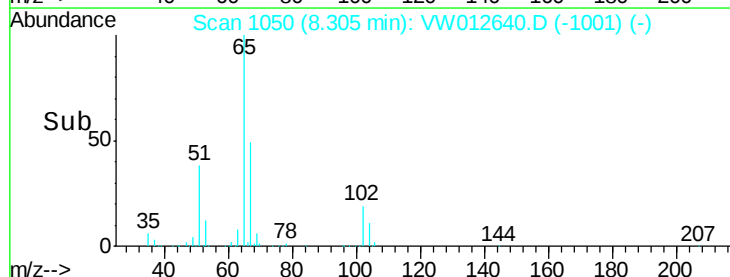
40000

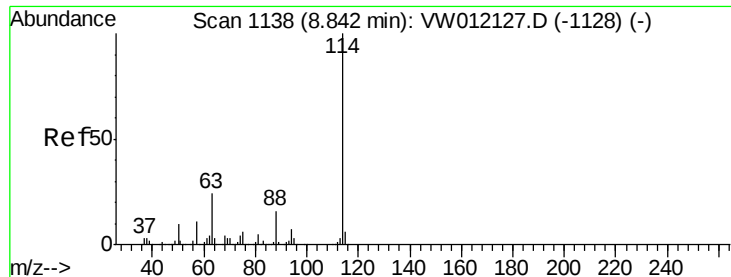
20000

0

8.20 8.30 8.40

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012640.D

Acq: 05 Sep 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

DW-02

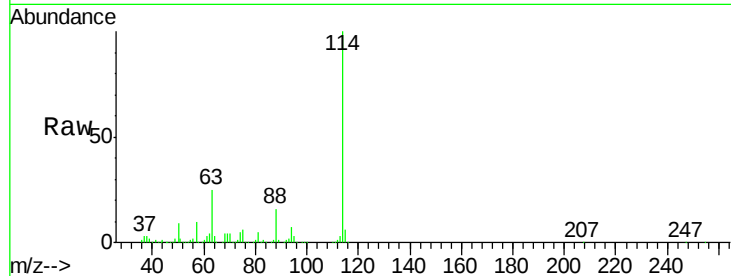
Tot Ion:114 Resp: 306533

Ion Ratio Lower Upper

114 100

63 24.6 0.0 48.6

88 16.1 0.0 32.2



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

200000

150000

100000

50000

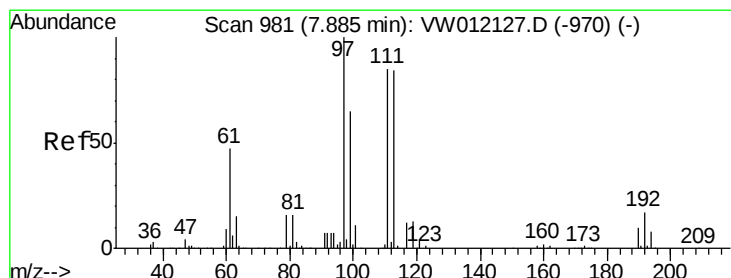
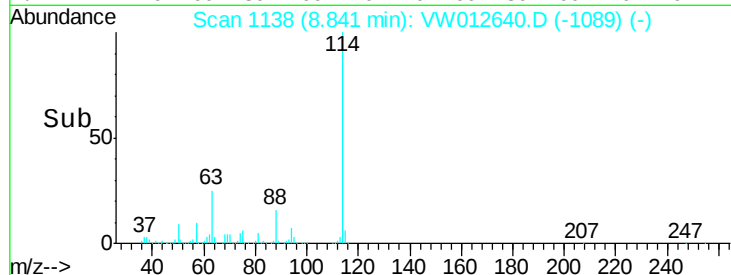
0

8.80

8.84

8.90

Time-->



#35

Dibromofluoromethane

Concen: 54.477 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012640.D

Acq: 05 Sep 2019 15:02

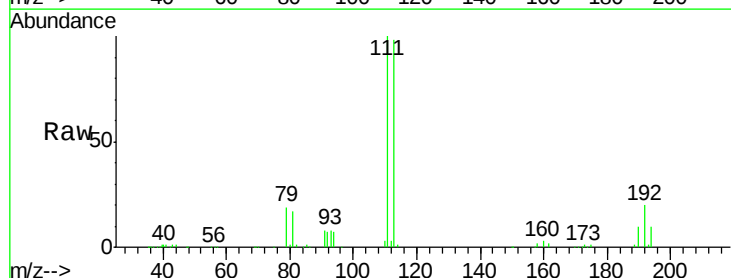
Tgt Ion:113 Resp: 99677

Ion Ratio Lower Upper

113 100

111 103.5 82.7 124.1

192 21.0 16.2 24.2



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

60000

50000

40000

30000

20000

10000

0

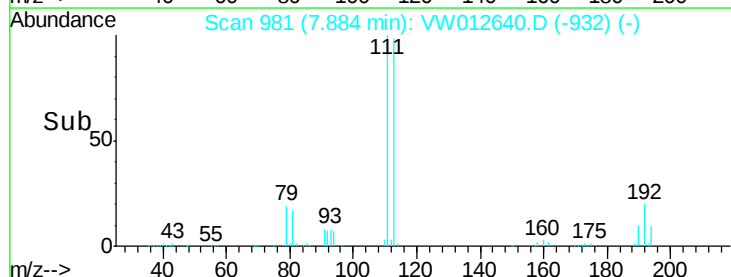
7.80

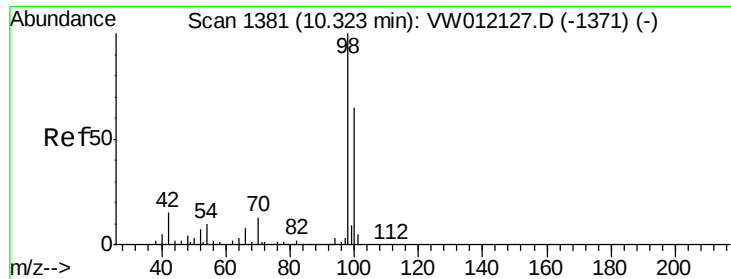
7.88

8.00

8.10

Time-->





#50

Toluene-d8

Concen: 41.030 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012640.D

Acq: 05 Sep 2019 15:02

Instrument :

MSVOA_W

ClientSampled :

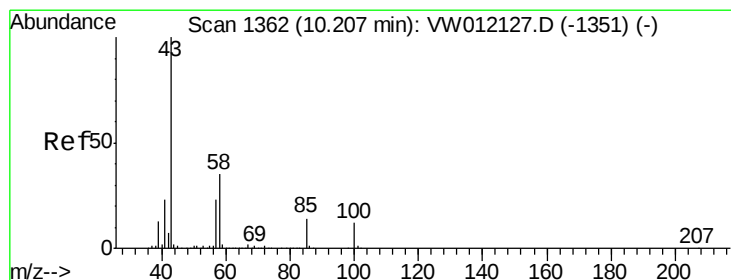
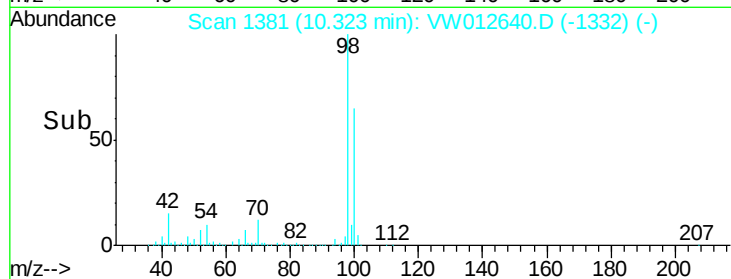
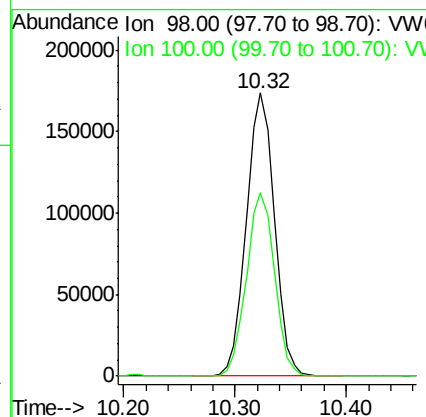
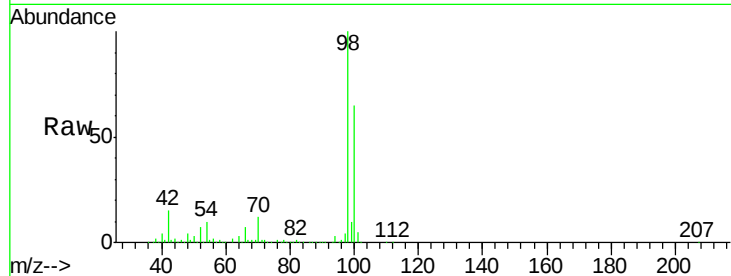
DW-02

Tot Ion: 98 Resp: 304399

Ion Ratio Lower Upper

98 100

100 65.0 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 8.098 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012640.D

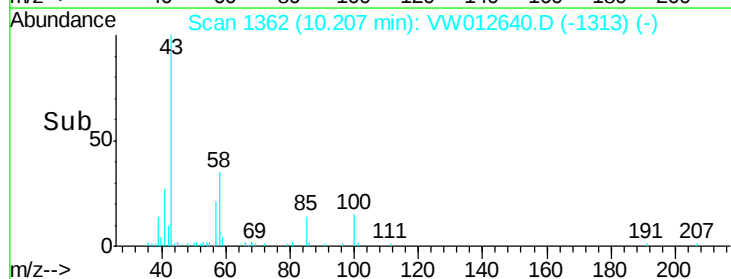
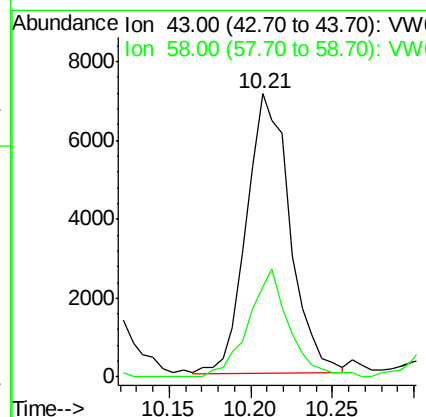
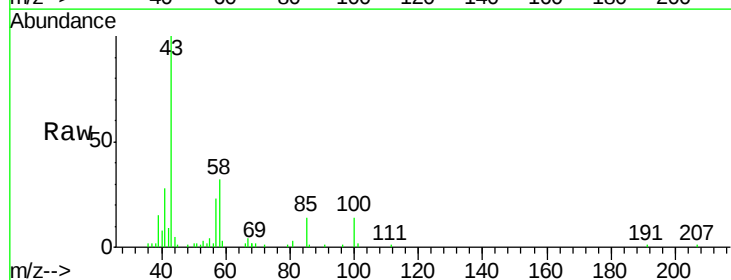
Acq: 05 Sep 2019 15:02

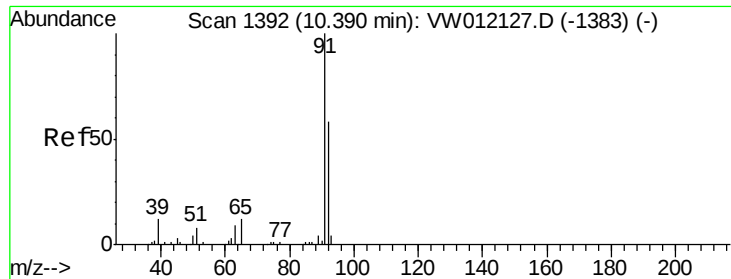
Tgt Ion: 43 Resp: 13244

Ion Ratio Lower Upper

43 100

58 35.9 28.2 42.2





#52

Toluene

Concen: 1.226 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012640.D

Acq: 05 Sep 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

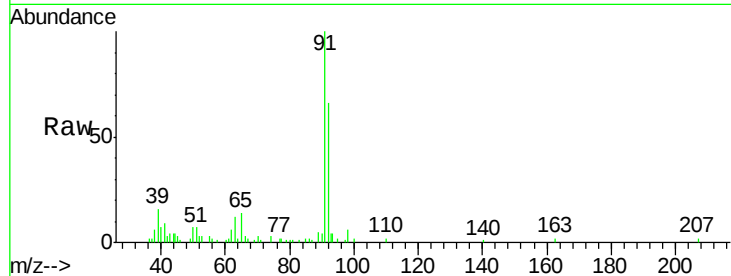
DW-02

Tot Ion: 92 Resp: 6373

Ion Ratio Lower Upper

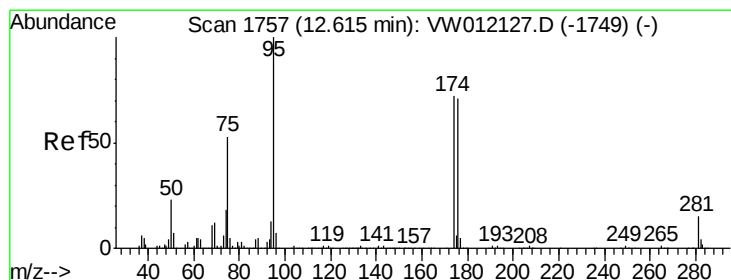
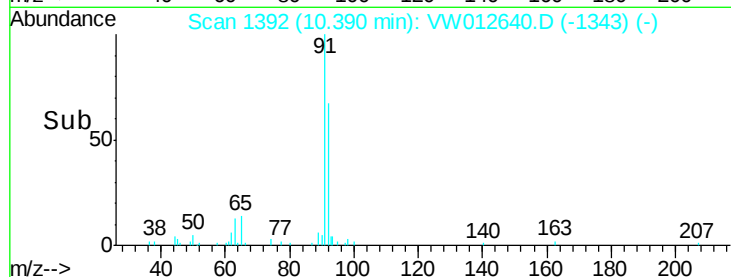
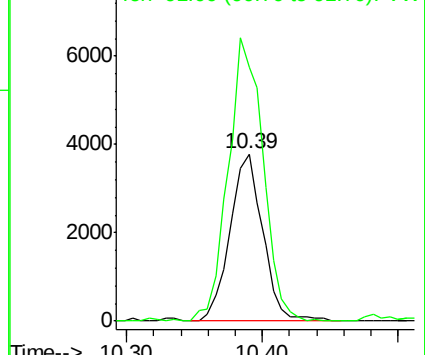
92 100

91 178.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 21.734 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012640.D

Acq: 05 Sep 2019 15:02

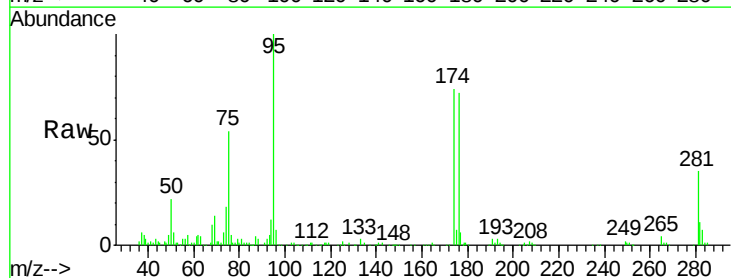
Tgt Ion: 95 Resp: 56839

Ion Ratio Lower Upper

95 100

174 77.9 0.0 150.8

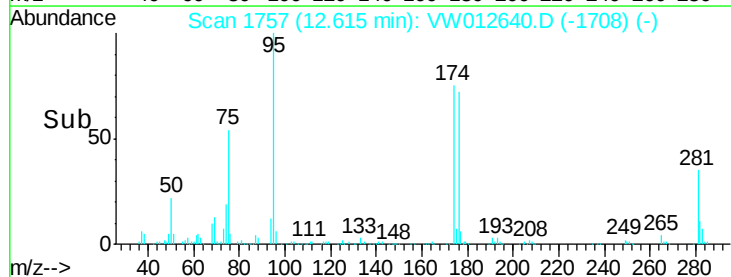
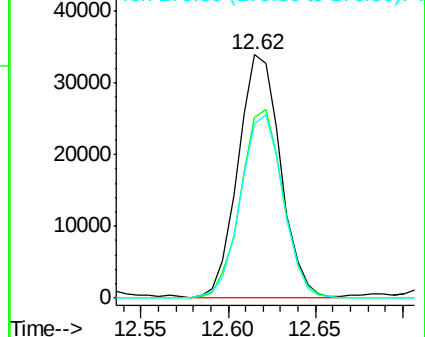
176 75.9 0.0 148.6

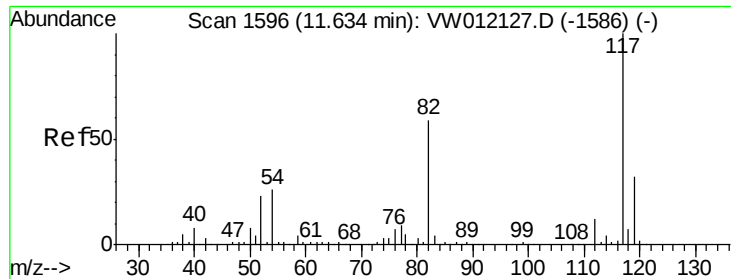


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

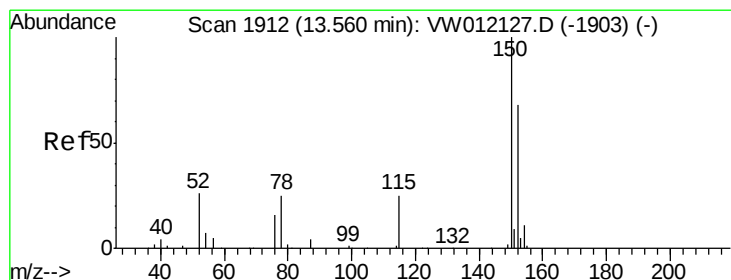
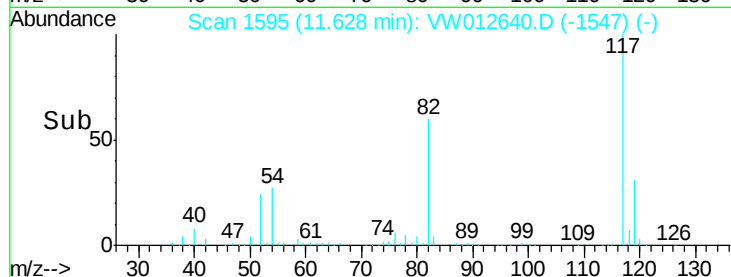
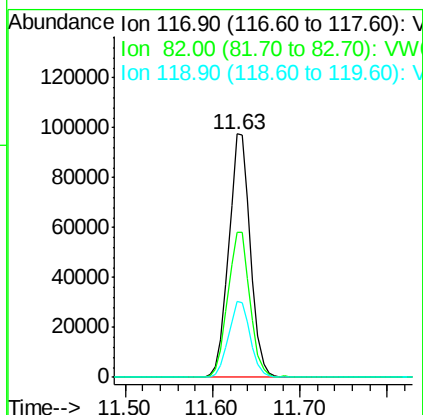
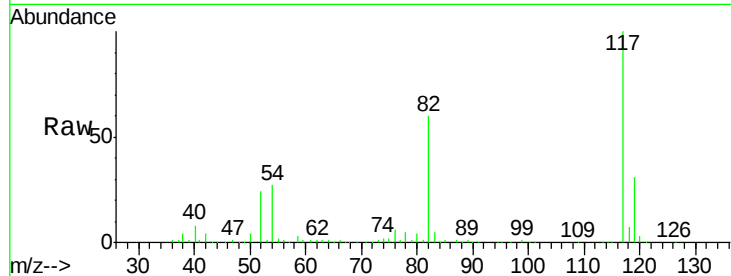




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012640.D
Acq: 05 Sep 2019 15:02

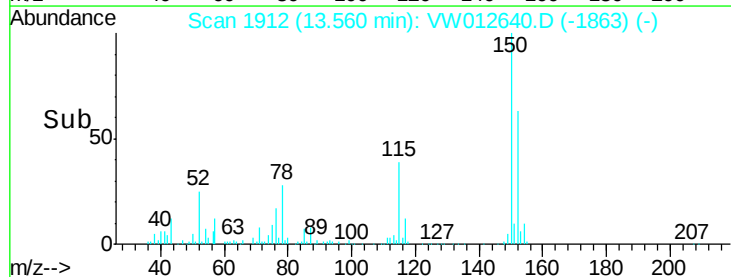
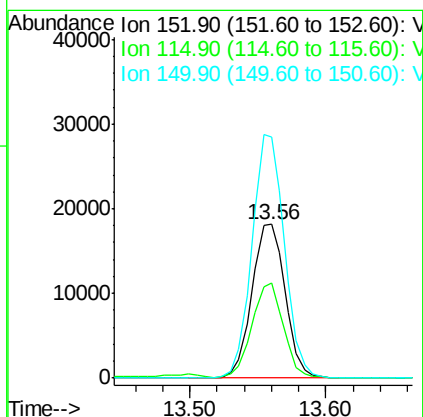
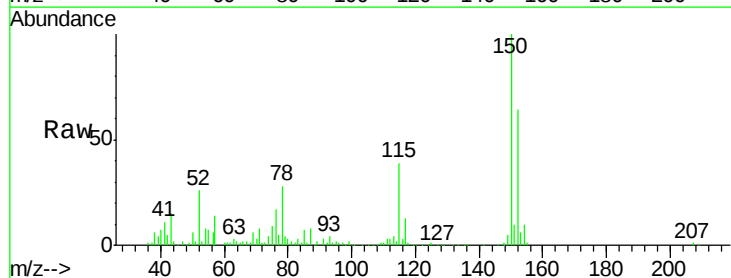
Instrument :
MSVOA_W
ClientSampleId :
DW-02

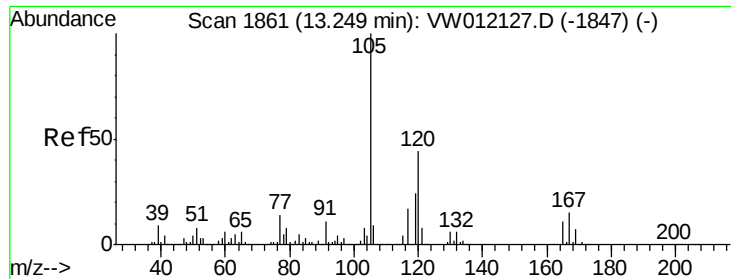
Tot Ion:117 Resp: 167401
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.2
119 31.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012640.D
Acq: 05 Sep 2019 15:02

Tgt Ion:152 Resp: 31279
Ion Ratio Lower Upper
152 100
115 58.5 30.1 90.3
150 153.3 0.0 345.8

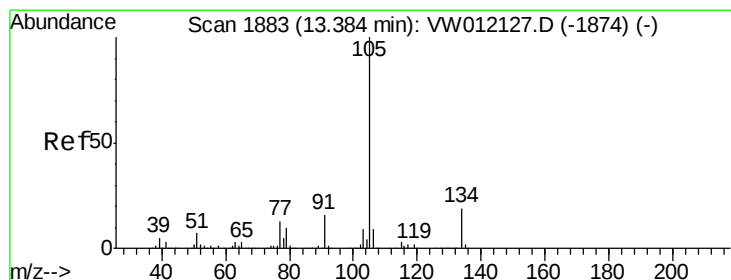
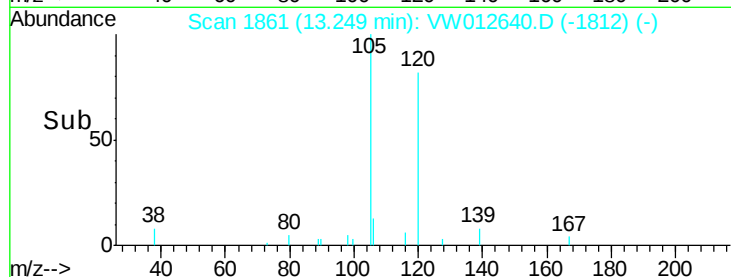
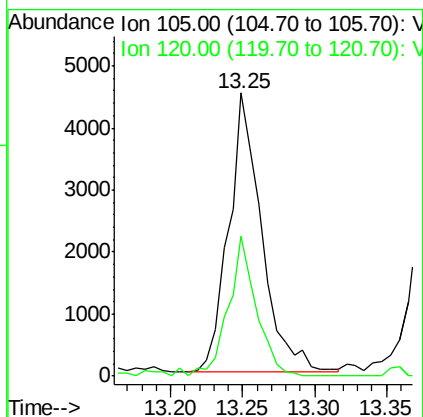
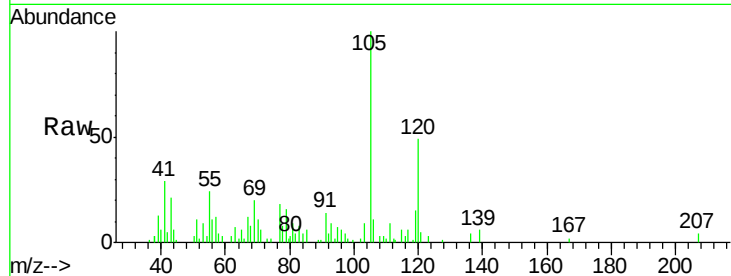




#84
1,2,4-Trimethylbenzene
Concen: 3.681 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012640.D
Acq: 05 Sep 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
DW-02

Tot Ion:105 Resp: 7242
Ion Ratio Lower Upper
105 100
120 43.1 21.9 65.7



#85
sec-Butylbenzene
Concen: 2.543 ug/l
RT: 13.38 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VW012640.D
Acq: 05 Sep 2019 15:02

Tgt Ion:105 Resp: 6043
Ion Ratio Lower Upper
105 100
134 25.9 9.8 29.4

