

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW093019\
 Data File : VW013361.D
 Acq On : 01 Oct 2019 05:07
 Operator : SY/VA
 Sample : K4659-01
 Misc : 7.35G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-093019-A

Quant Time: Oct 01 05:44:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	353328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	533374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	430179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	179686	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	146018	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	7.88	113	150214	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	10.32	98	609447	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.62	95	173636	41.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.80%	

Target Compounds

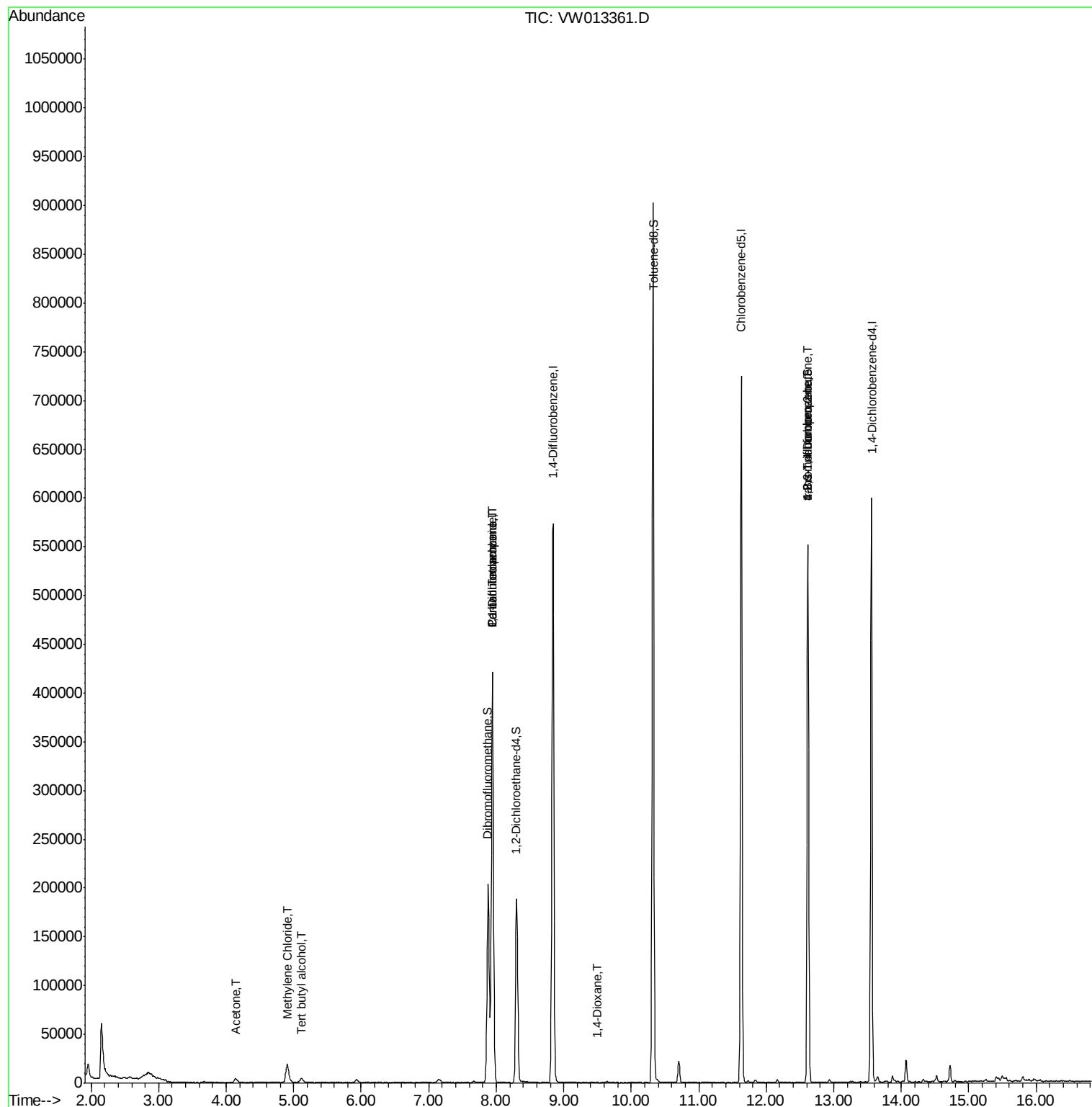
					Qvalue	
11) Tert butyl alcohol	5.11	59	2333	1.178	ug/l #	73
16) Acetone	4.14	43	9100	13.994	ug/l	97
20) Methylene Chloride	4.90	84	15125	1.744	ug/l	95
26) 2,2-Dichloropropane	7.16	77	37	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	22625	4.380	ug/l #	49
38) Carbon Tetrachloride	7.95	117	30114	6.503	ug/l #	18
49) 1,4-Dioxane	9.49	88	228	8.893	ug/l #	41
76) 1,2,3-Trichloropropane	12.62	75	79554	50.133	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79554	112.494	ug/l #	12

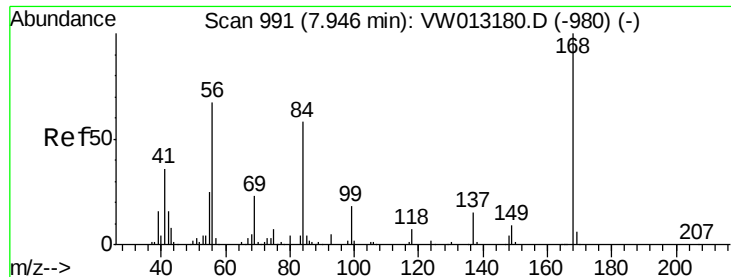
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 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: VW013361.D

Acq: 01 Oct 2019 05:07

Instrument :

MSVOA_W

ClientSampleId :

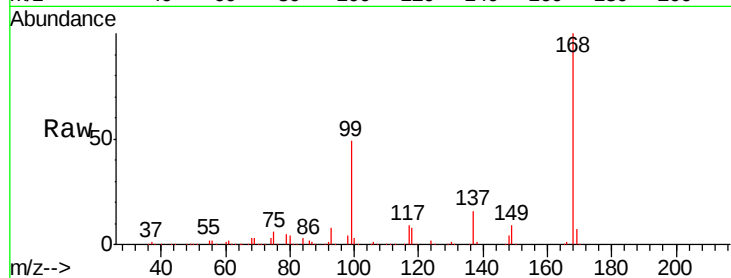
JC-02-093019-A

Tgt Ion: 168 Resp: 353328

Ion Ratio Lower Upper

168 100

99 48.7 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

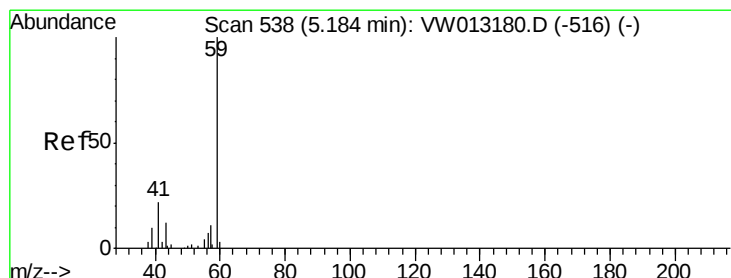
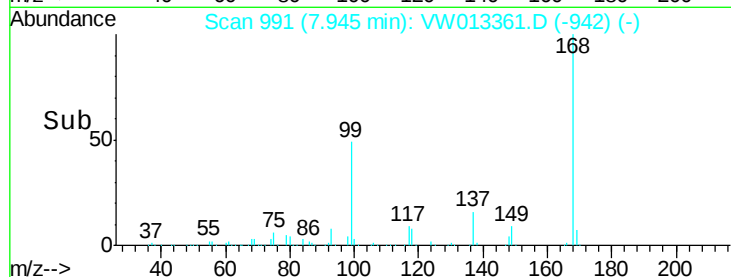
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 1.178 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.07 min

Lab File: VW013361.D

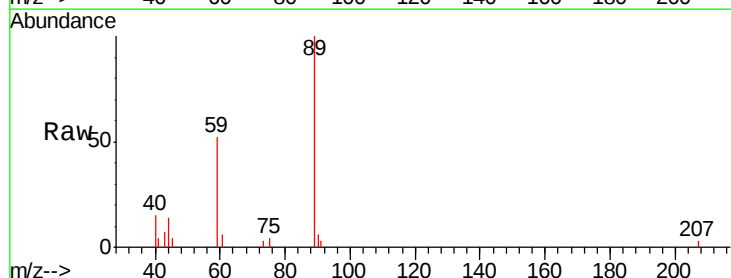
Acq: 01 Oct 2019 05:07

Tgt Ion: 59 Resp: 2333

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

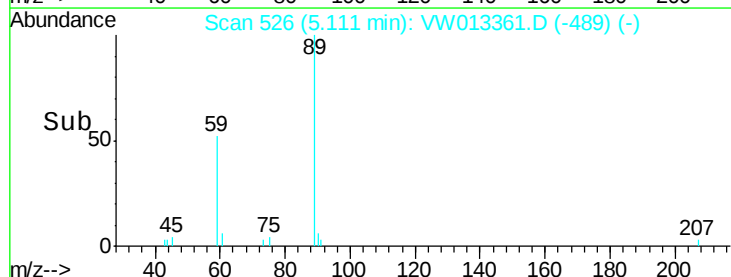
5.11

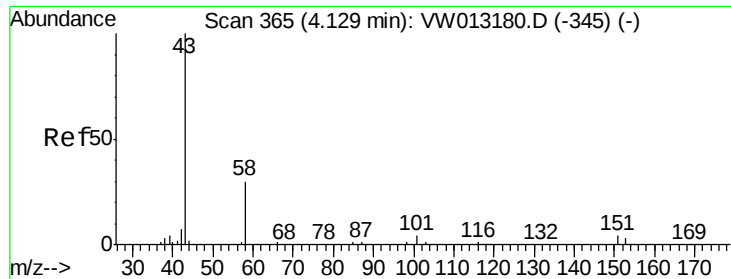
1000

500

0

Time--> 5.05 5.10





#16

Acetone

Concen: 13.994 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013361.D

Acq: 01 Oct 2019 05:07

Instrument :

MSVOA_W

ClientSampleId :

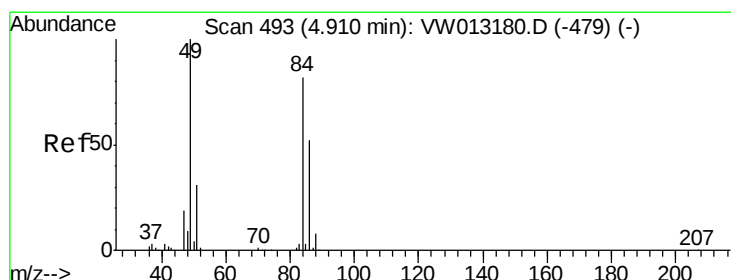
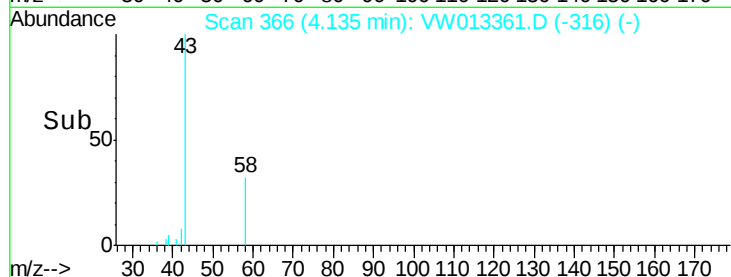
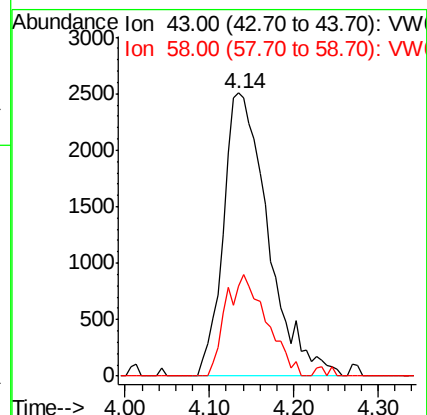
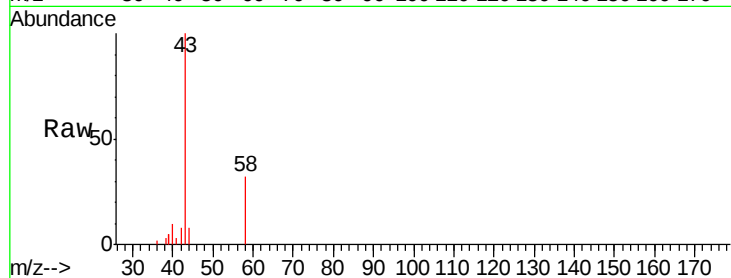
JC-02-093019-A

Tgt Ion: 43 Resp: 9100

Ion Ratio Lower Upper

43 100

58 32.0 24.1 36.1



#20

Methylene Chloride

Concen: 1.744 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013361.D

Acq: 01 Oct 2019 05:07

Tgt Ion: 84 Resp: 15125

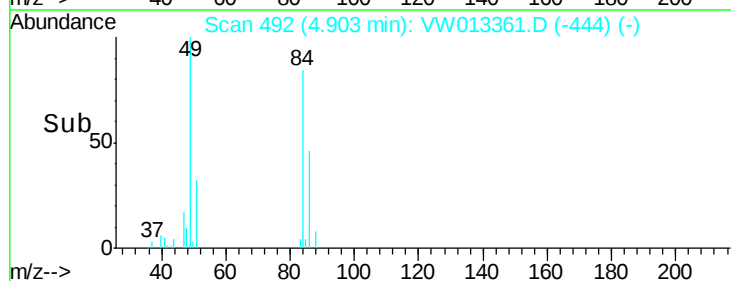
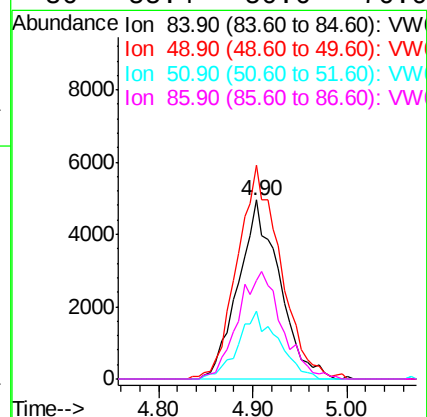
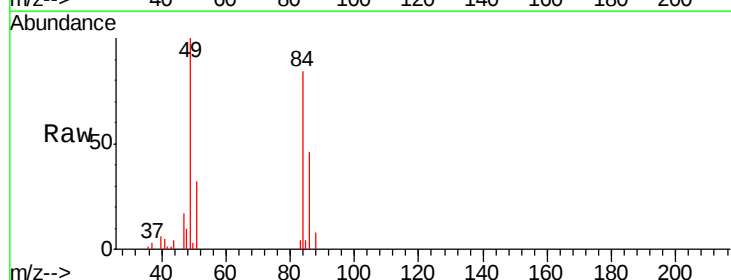
Ion Ratio Lower Upper

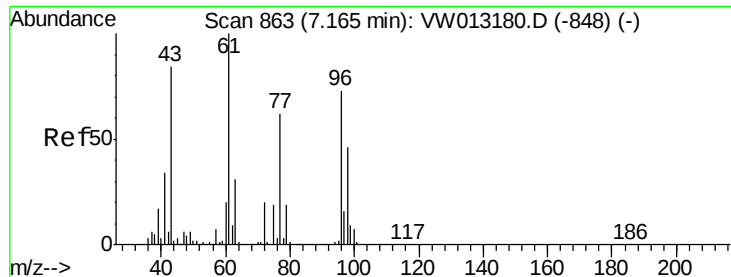
84 100

49 118.2 97.6 146.4

51 37.8 30.2 45.2

86 55.4 50.6 76.0





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013361.D

Acq: 01 Oct 2019 05:07

Instrument :

MSVOA_W

ClientSampleId :

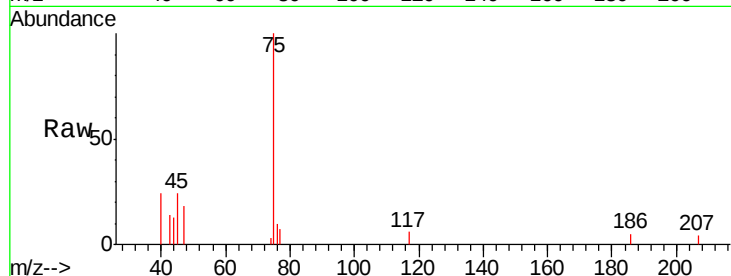
JC-02-093019-A

Tgt Ion: 77 Resp: 37

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.16

100

80

60

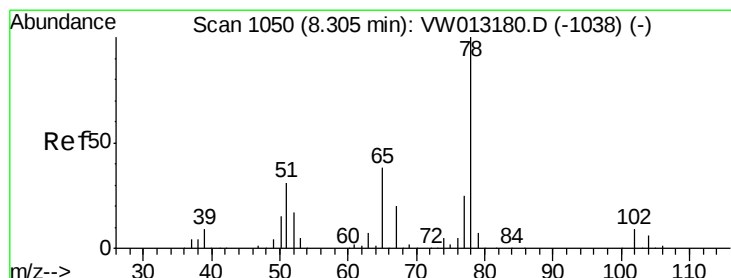
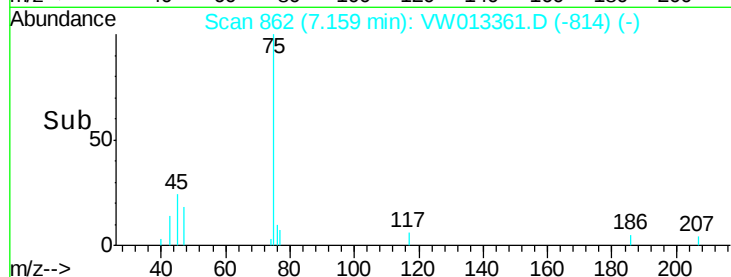
40

20

0

7.15 7.16 7.17

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.636 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013361.D

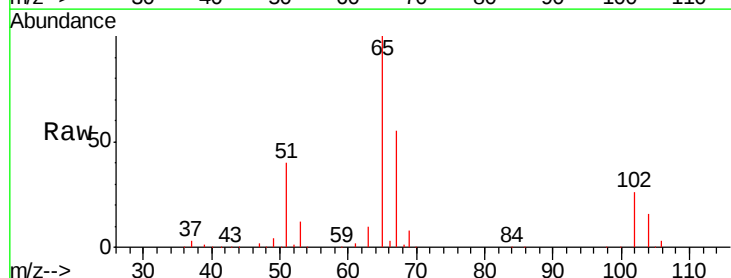
Acq: 01 Oct 2019 05:07

Tgt Ion: 65 Resp: 146018

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

60000

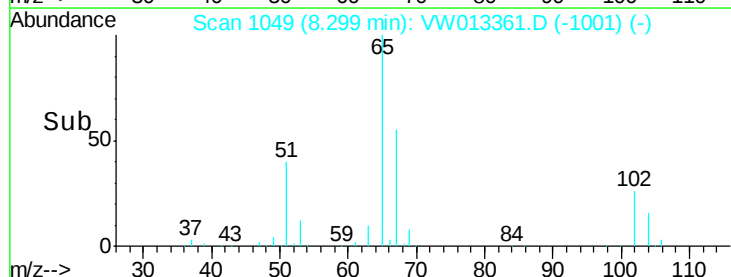
40000

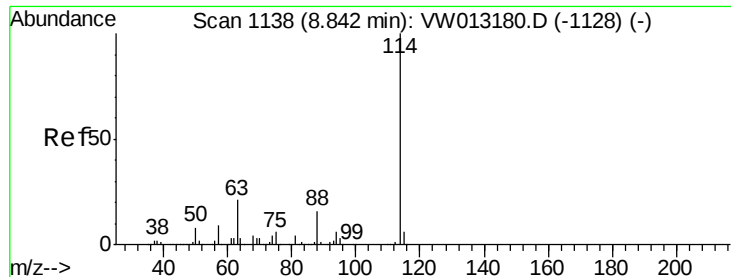
20000

0

8.20 8.30 8.40

Time-->

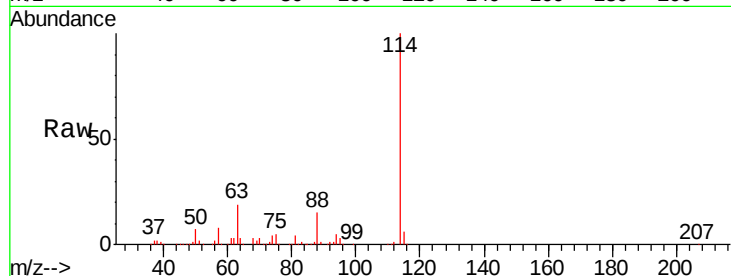




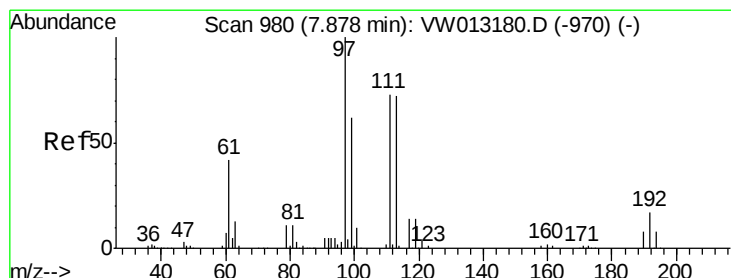
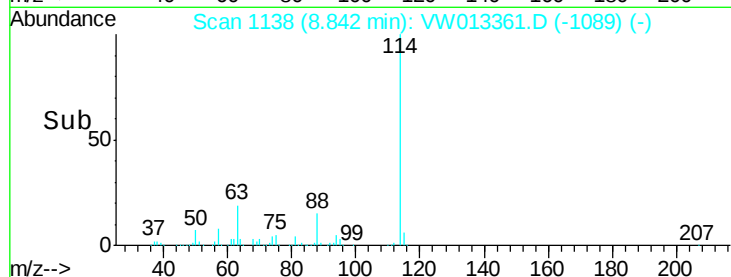
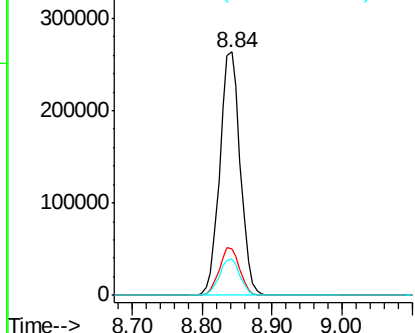
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013361.D
 Acq: 01 Oct 2019 05:07

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-093019-A

Tgt Ion:114 Resp: 533374
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.4
 88 14.8 0.0 32.0

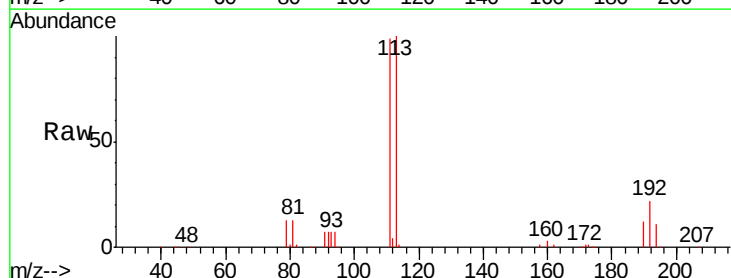


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

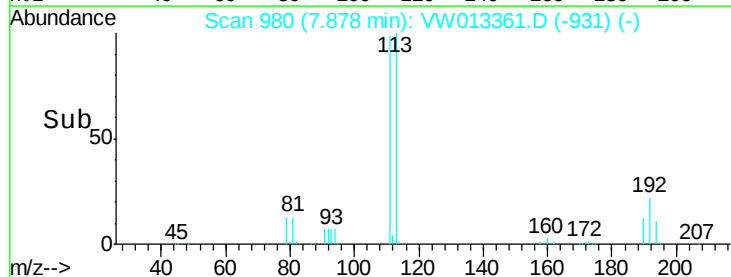
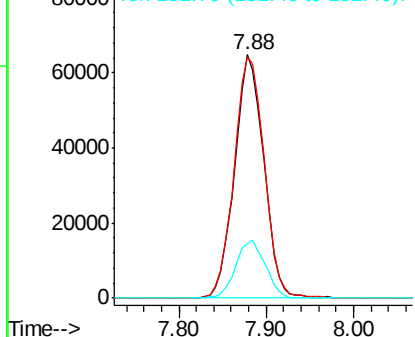


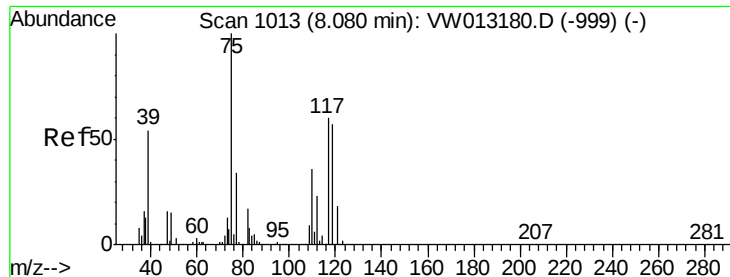
#35
 Dibromofluoromethane
 Concen: 51.205 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013361.D
 Acq: 01 Oct 2019 05:07

Tgt Ion:113 Resp: 150214
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.9 122.9
 192 24.1 19.1 28.7



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





#36

1,1-Dichloropropene

Concen: 4.380 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013361.D

Acq: 01 Oct 2019 05:07

Instrument :

MSVOA_W

ClientSampleId :

JC-02-093019-A

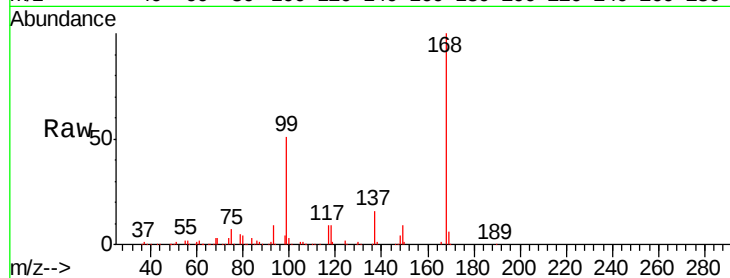
Tgt Ion: 75 Resp: 22625

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.3#

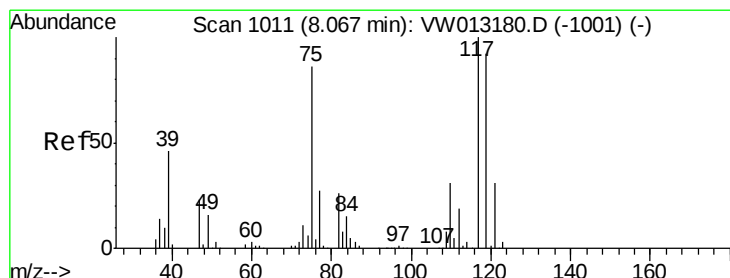
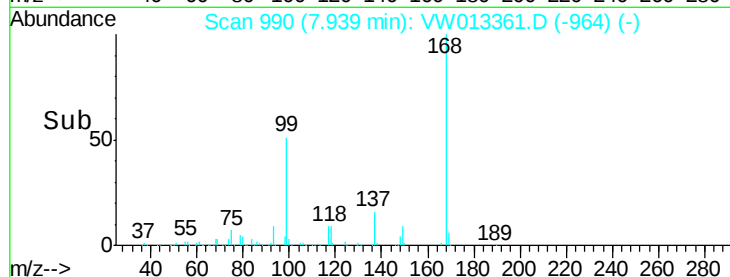
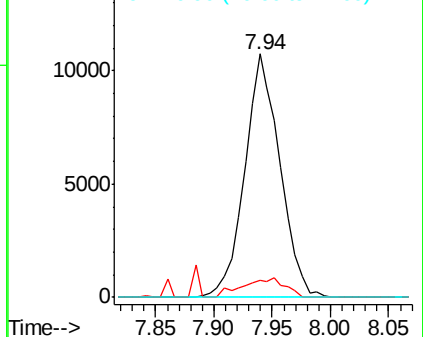
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.503 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013361.D

Acq: 01 Oct 2019 05:07

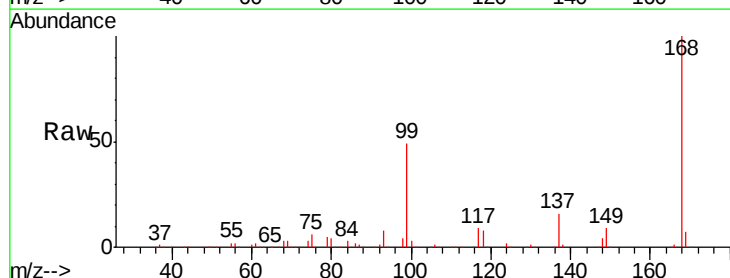
Tgt Ion: 117 Resp: 30114

Ion Ratio Lower Upper

117 100

119 5.2 73.5 110.3#

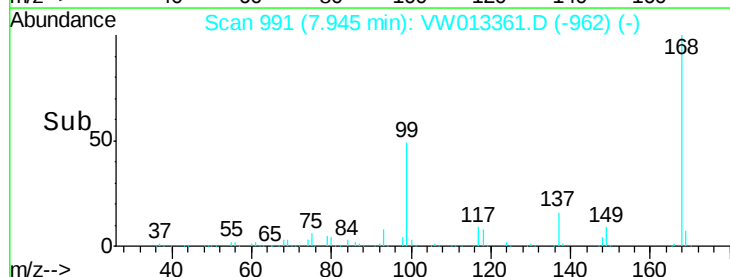
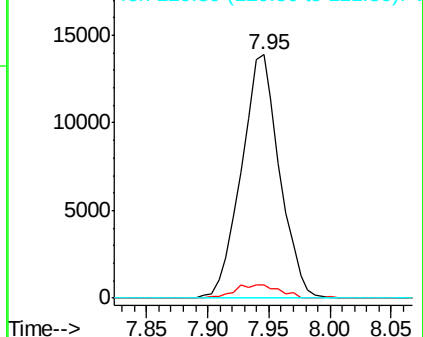
121 0.0 25.0 37.6#

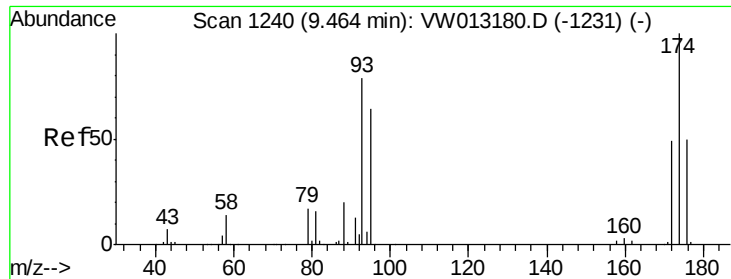


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

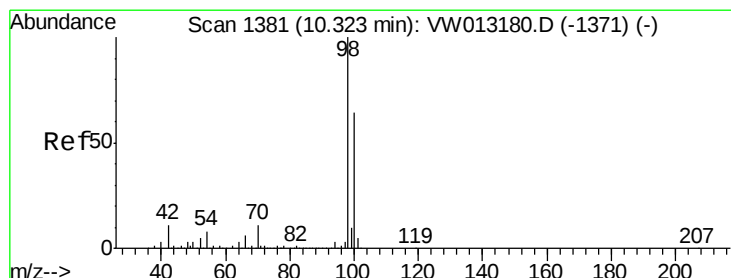
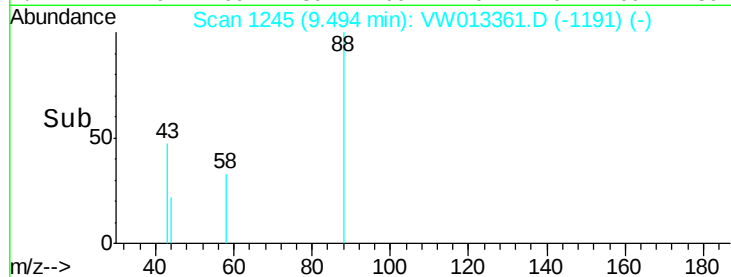
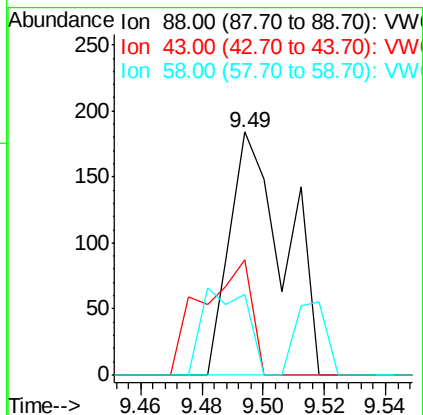
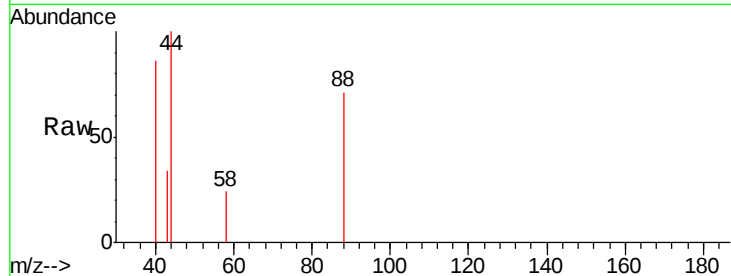




#49
 1,4-Dioxane
 Concen: 8.893 ug/l
 RT: 9.49 min Scan# 1245
 Delta R.T. 0.03 min
 Lab File: VW013361.D
 Acq: 01 Oct 2019 05:07

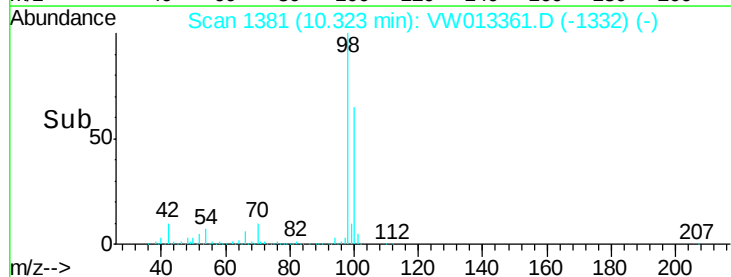
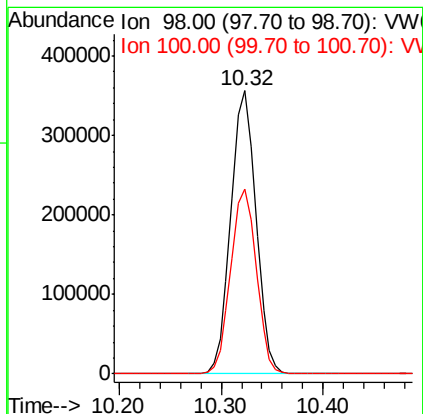
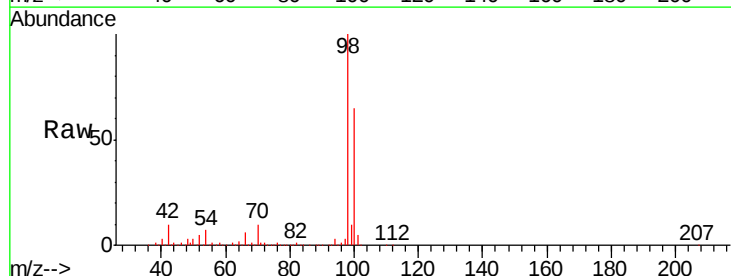
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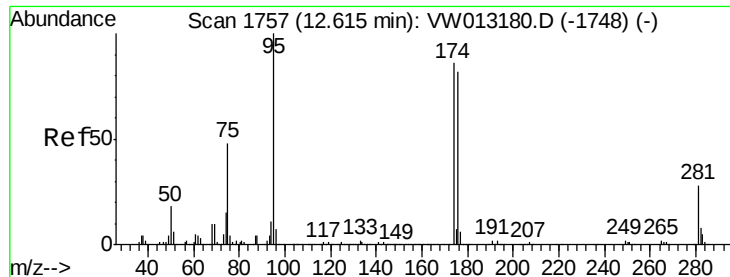
Tgt Ion: 88 Resp: 228
 Ion Ratio Lower Upper
 88 100
 43 42.5 0.0 0.0#
 58 28.9 65.4 98.0#



#50
 Toluene-d8
 Concen: 49.640 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013361.D
 Acq: 01 Oct 2019 05:07

Tgt Ion: 98 Resp: 609447
 Ion Ratio Lower Upper
 98 100
 100 66.6 52.9 79.3

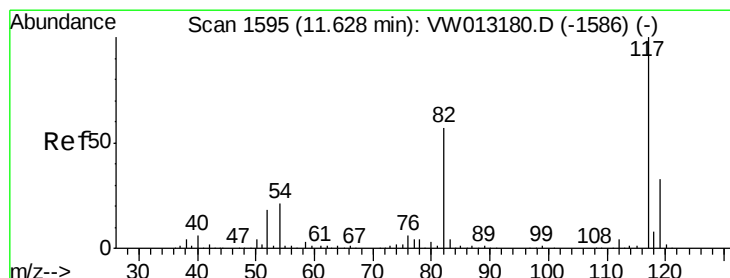
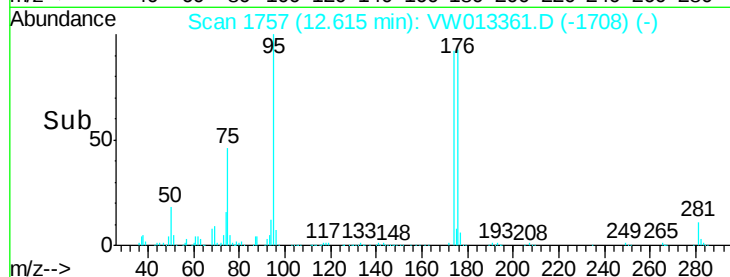
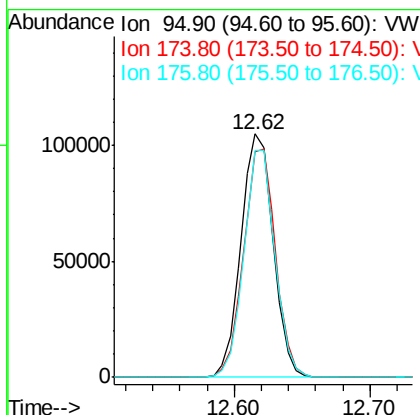
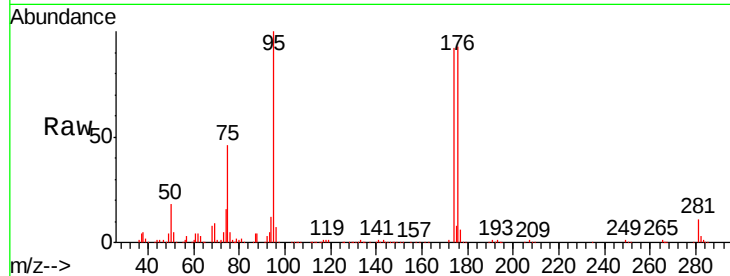




#62
4-Bromofluorobenzene
Concen: 41.403 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013361.D
Acq: 01 Oct 2019 05:07

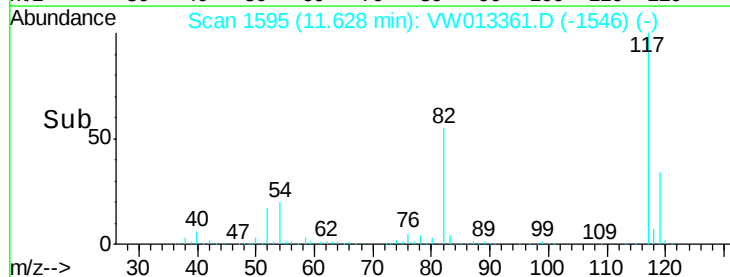
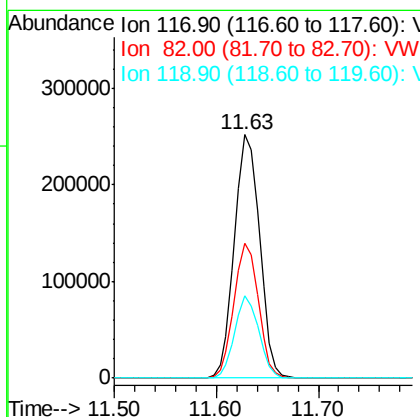
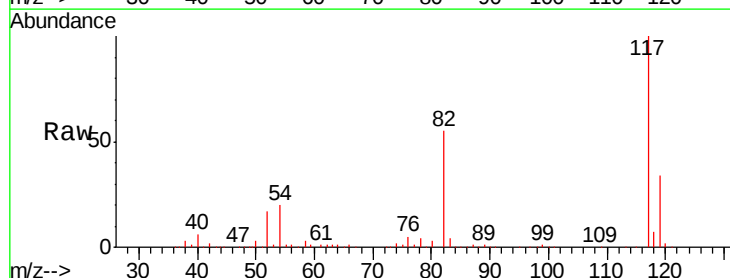
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MSVOA_W
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JC-02-093019-A

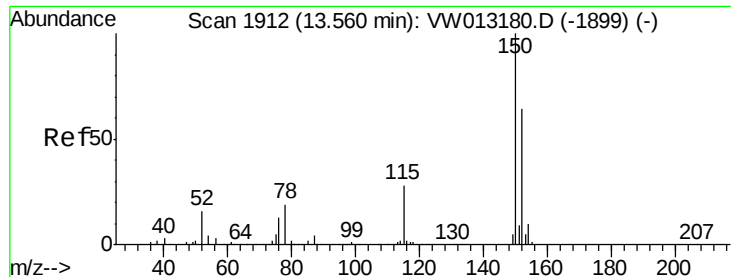
Tgt Ion: 95 Resp: 173636
Ion Ratio Lower Upper
95 100
174 93.1 0.0 178.4
176 90.4 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013361.D
Acq: 01 Oct 2019 05:07

Tgt Ion: 117 Resp: 430179
Ion Ratio Lower Upper
117 100
82 55.2 45.9 68.9
119 33.8 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013361.D

Acq: 01 Oct 2019 05:07

Instrument :

MSVOA_W

ClientSampleId :

JC-02-093019-A

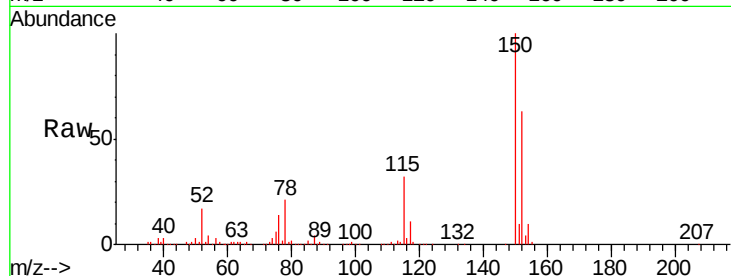
Tgt Ion:152 Resp: 179686

Ion Ratio Lower Upper

152 100

115 51.6 27.3 81.9

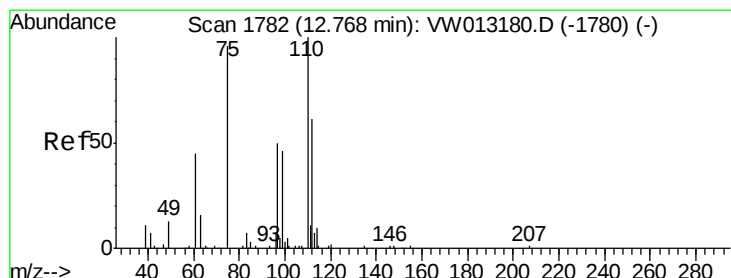
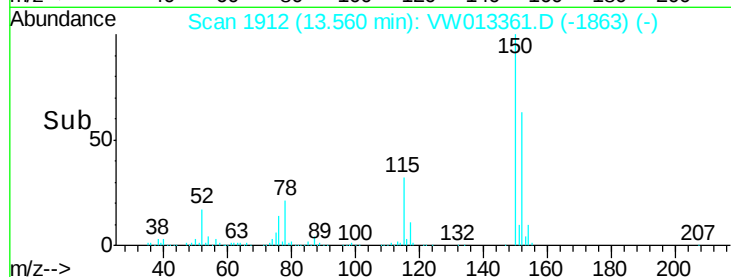
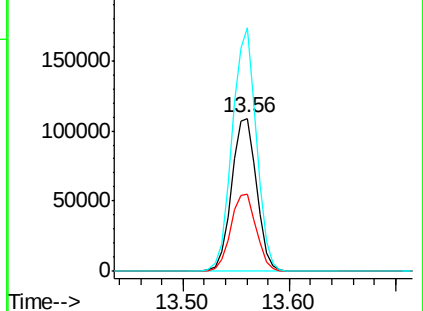
150 153.0 0.0 349.0



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



#76

1,2,3-Trichloropropane

Concen: 50.133 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013361.D

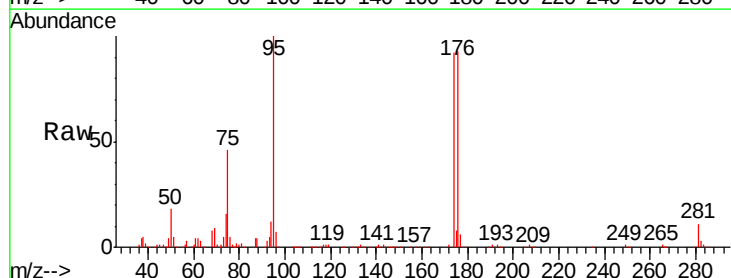
Acq: 01 Oct 2019 05:07

Tgt Ion: 75 Resp: 79554

Ion Ratio Lower Upper

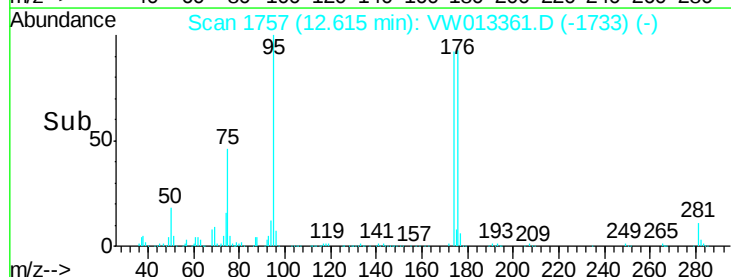
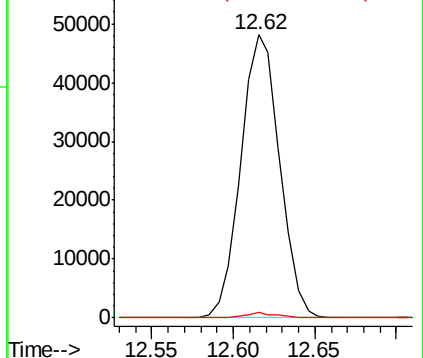
75 100

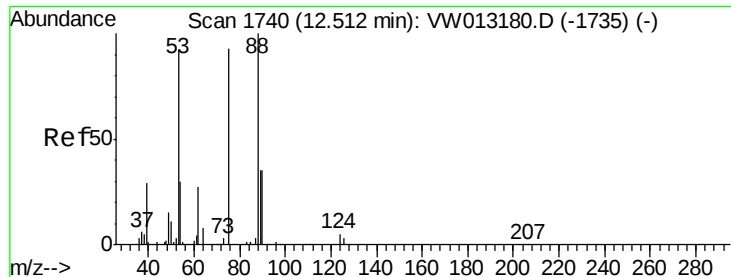
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 112.494 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013361.D

Acq: 01 Oct 2019 05:07

Instrument :

MSVOA_W

ClientSampleId :

JC-02-093019-A

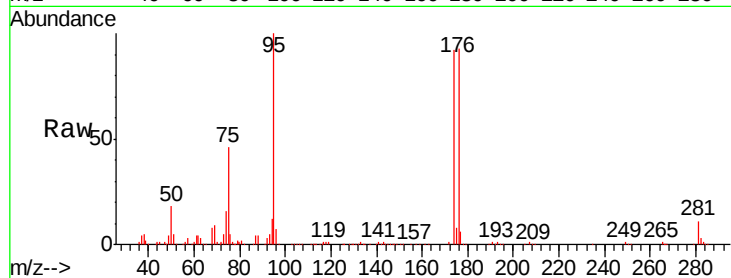
Tgt Ion: 75 Resp: 79554

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.1 33.5 50.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

