

Data File : VW013111.D
Acq On : 18 Sep 2019 14:19
Operator : SY/VA
Sample : K4847-03RE
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-28-5.5-6.0

Quant Time: Sep 19 07:54:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	326205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	498940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	409366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	178605	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	139652	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
35) Dibromofluoromethane	7.88	113	137813	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
50) Toluene-d8	10.32	98	570817	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.62	95	178809	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	

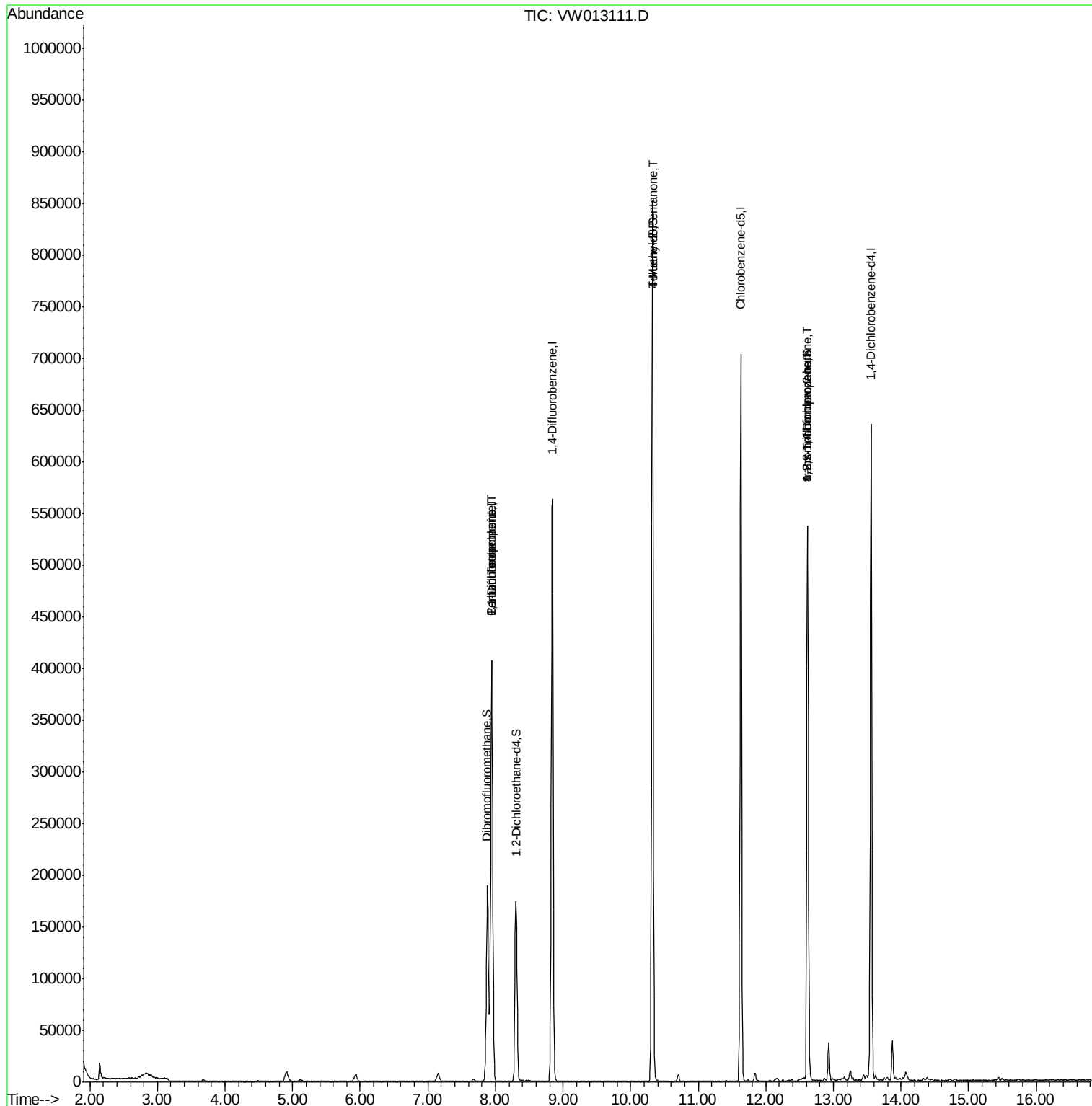
Target Compounds				Qvalue		
3) Chloromethane	2.20	50	218	Below Cal		94
11) Tert butyl alcohol	5.11	59	1588	Below Cal	#	72
16) Acetone	4.11	43	110	Below Cal	#	47
20) Methylene Chloride	4.90	84	7800	Below Cal		94
26) 2,2-Dichloropropane	7.15	77	491	Below Cal	#	55
31) Cyclohexane	7.95	56	5676	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	22382	5.614	ug/l #	51
38) Carbon Tetrachloride	7.95	117	28743	7.035	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	2621	1.249	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	85632	54.737	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85632	124.169	ug/l #	7

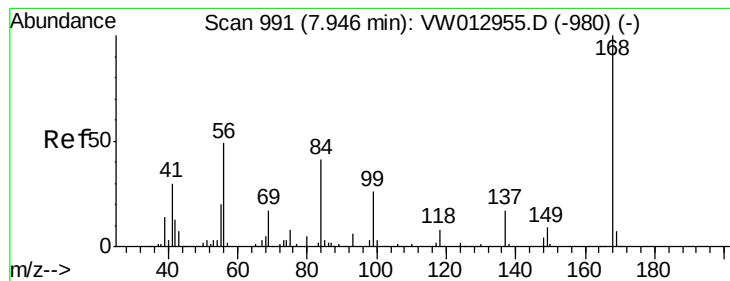
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013111.D

Acq: 18 Sep 2019 14:19

Instrument :

MSVOA_W

ClientSampleId :

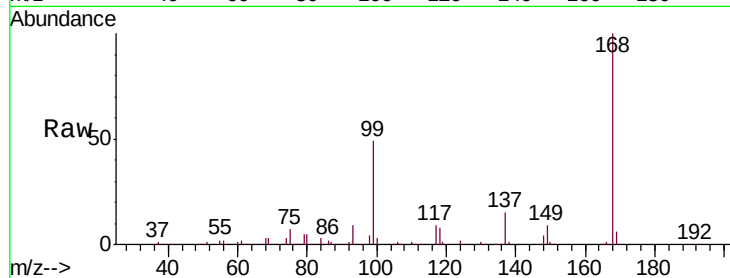
SB-28-5.5-6.0

Tgt Ion:168 Resp: 326205

Ion Ratio Lower Upper

168 100

99 49.1 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

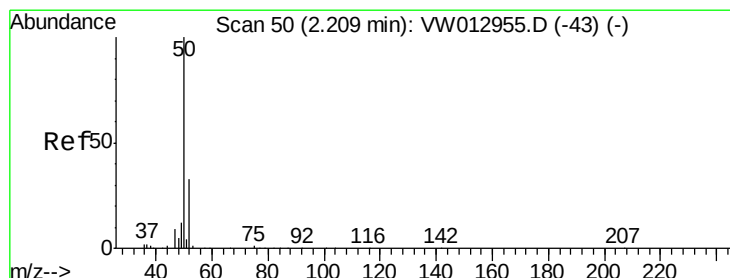
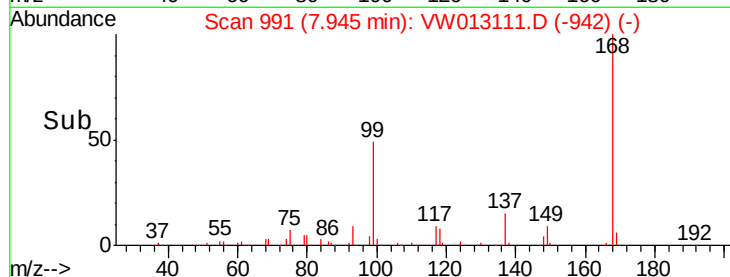
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013111.D

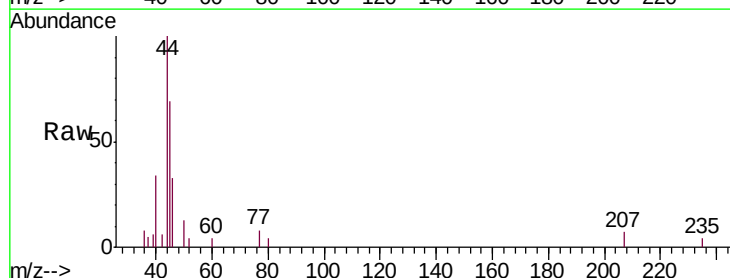
Acq: 18 Sep 2019 14:19

Tgt Ion: 50 Resp: 218

Ion Ratio Lower Upper

50 100

52 30.0 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.20

200

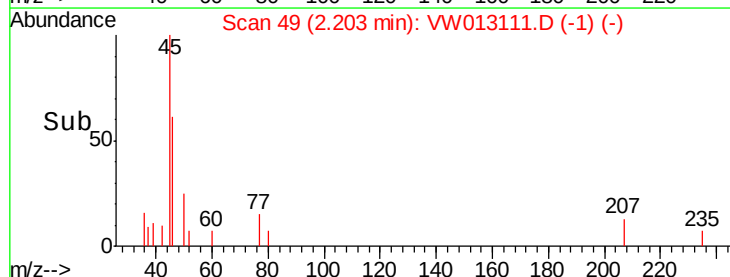
150

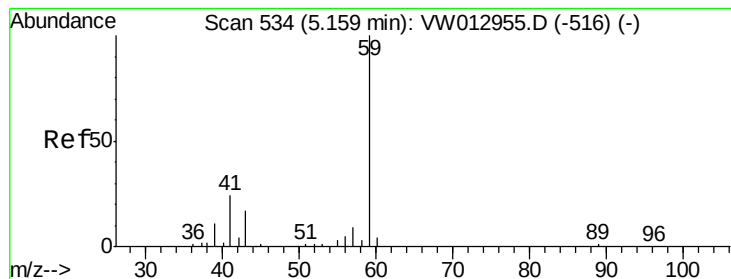
100

50

0

Time-->



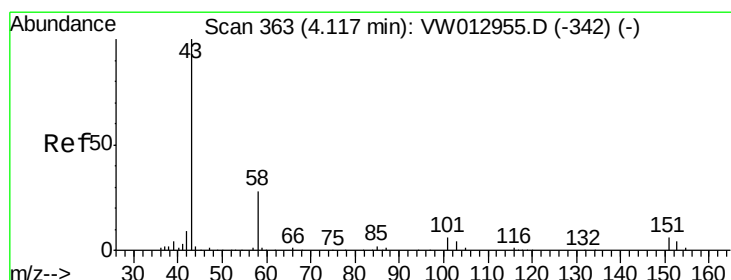
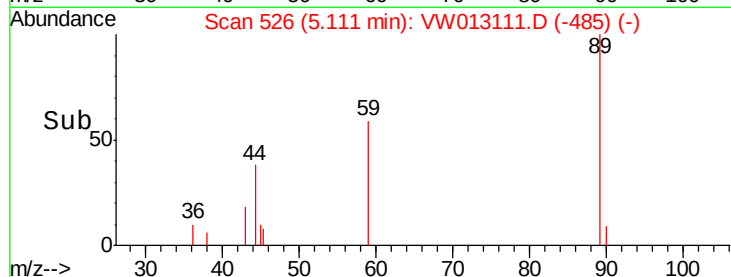
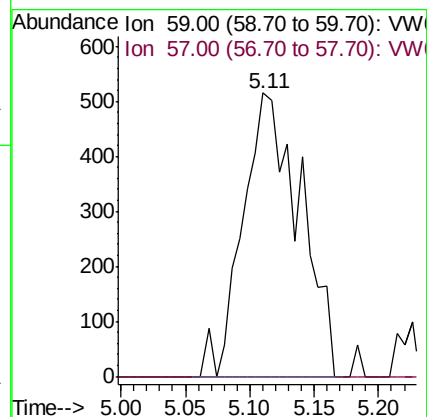
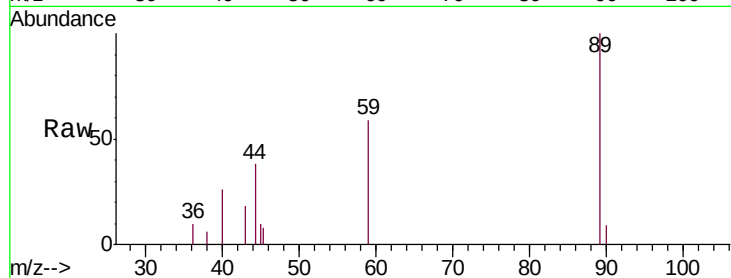


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.11 min Scan# 526
Delta R.T. -0.05 min
Lab File: VW013111.D
Acq: 18 Sep 2019 14:19

Instrument :
MSVOA_W
ClientSampled :
SB-28-5.5-6.0

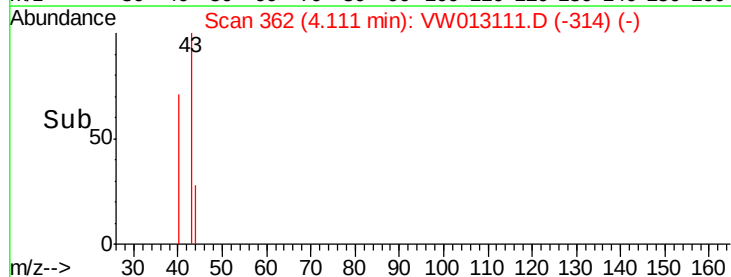
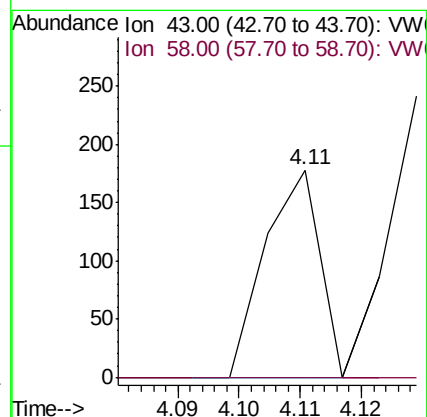
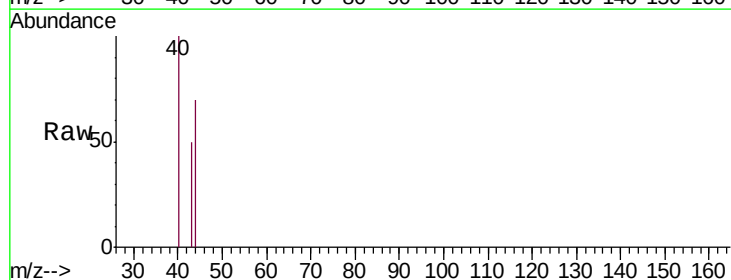
Tgt Ion: 59 Resp: 1588
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

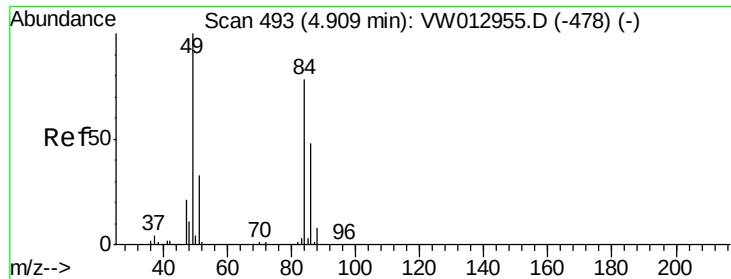


#16

Acetone
Concen: Below Cal
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW013111.D
Acq: 18 Sep 2019 14:19

Tgt Ion: 43 Resp: 110
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013111.D

Acq: 18 Sep 2019 14:19

Instrument :

MSVOA_W

ClientSampleId :

SB-28-5.5-6.0

Tgt Ion: 84 Resp: 7800

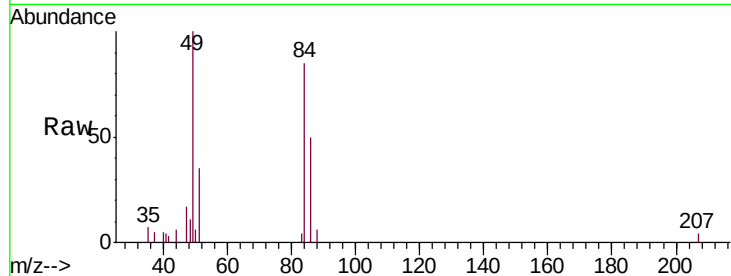
Ion Ratio Lower Upper

84 100

49 117.2 102.0 153.0

51 40.8 34.0 51.0

86 58.0 48.5 72.7

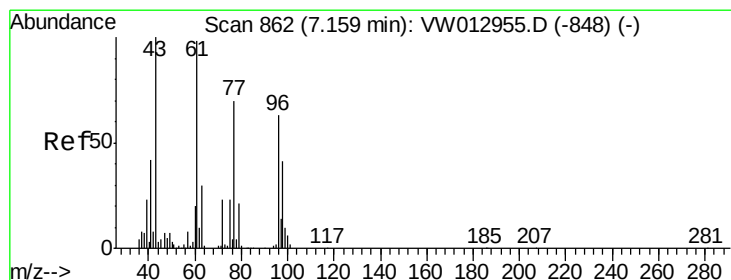
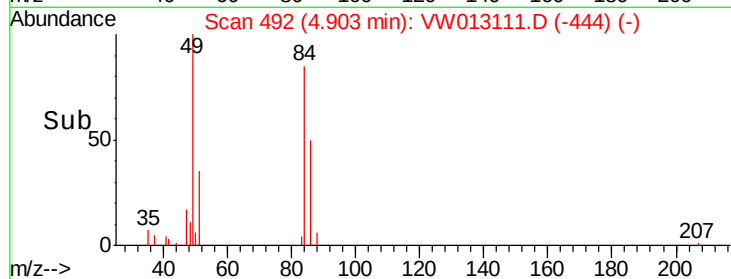
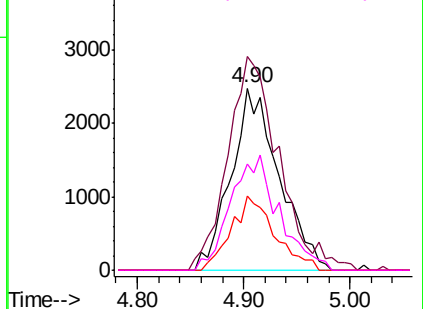


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013111.D

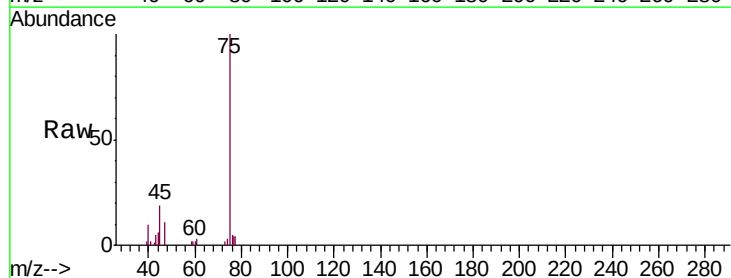
Acq: 18 Sep 2019 14:19

Tgt Ion: 77 Resp: 491

Ion Ratio Lower Upper

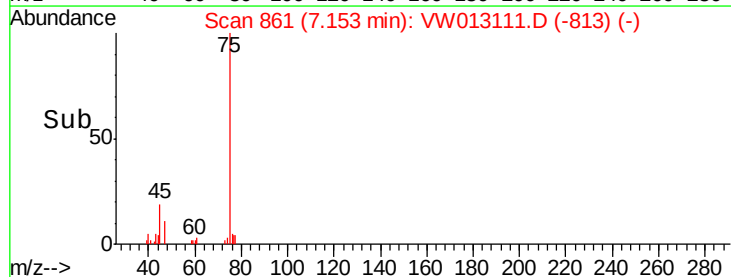
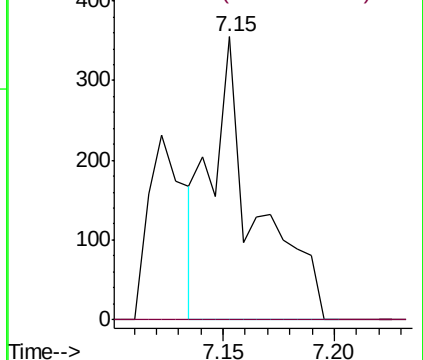
77 100

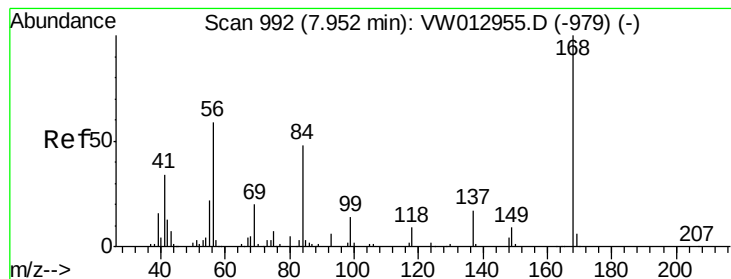
97 0.0 10.7 32.1#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013111.D

Acq: 18 Sep 2019 14:19

Instrument :

MSVOA_W

ClientSampleId :

SB-28-5.5-6.0

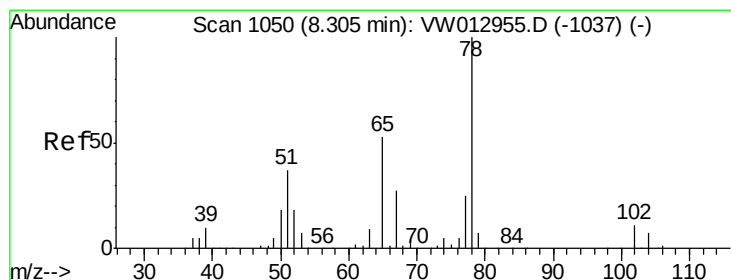
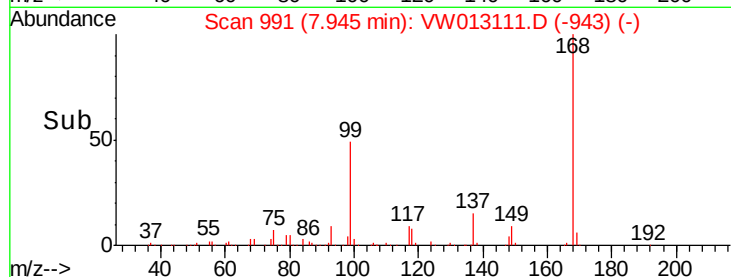
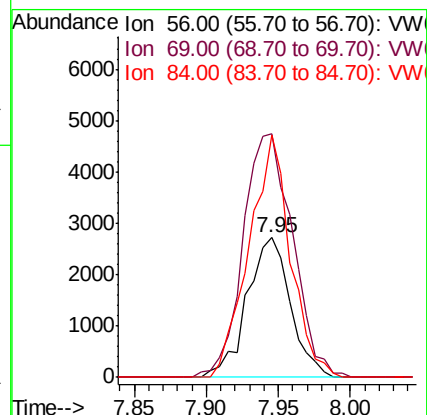
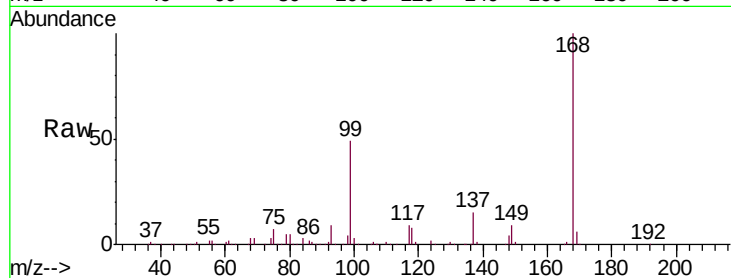
Tgt Ion: 56 Resp: 5676

Ion Ratio Lower Upper

56 100

69 174.2 27.0 40.6#

84 173.1 66.2 99.2#



#33

1,2-Dichloroethane-d4

Concen: 46.354 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013111.D

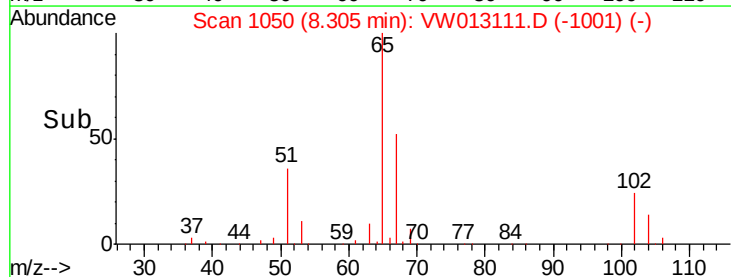
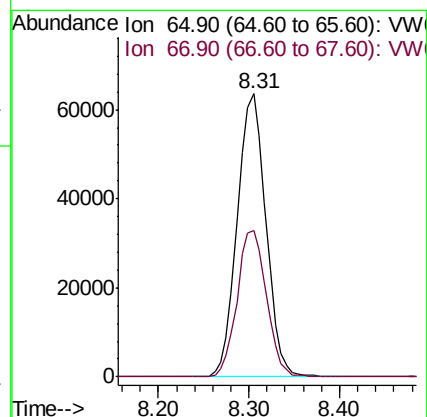
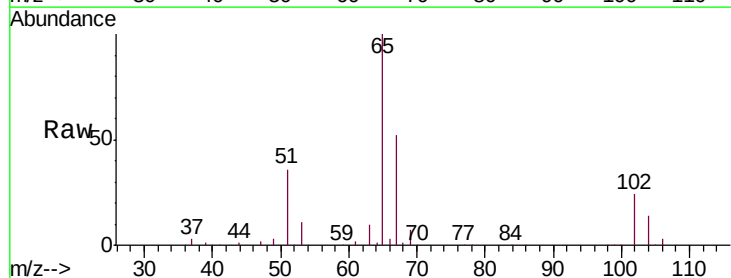
Acq: 18 Sep 2019 14:19

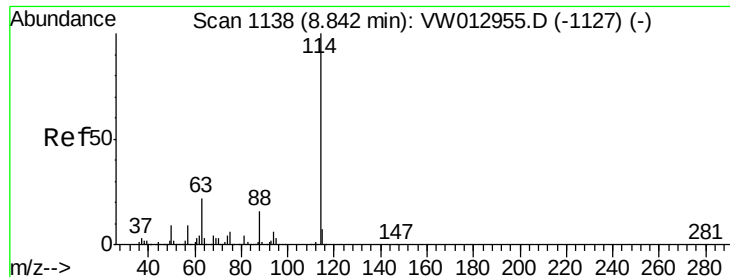
Tgt Ion: 65 Resp: 139652

Ion Ratio Lower Upper

65 100

67 53.0 0.0 101.2

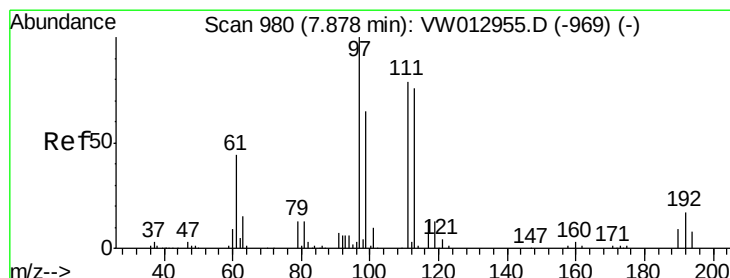
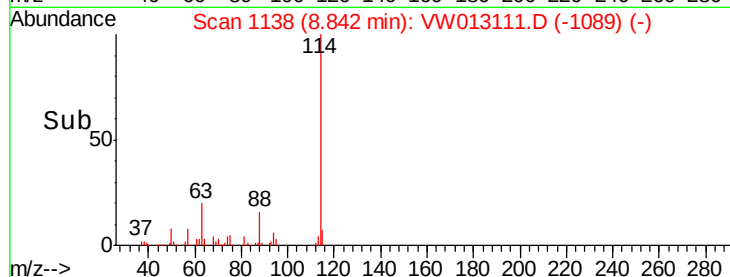
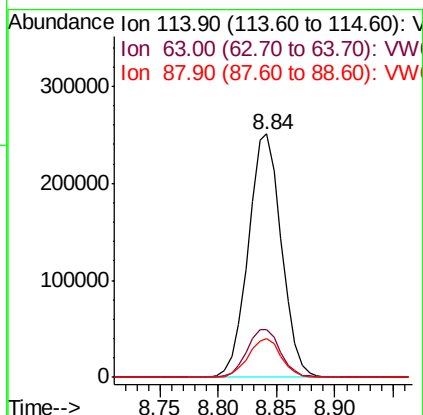
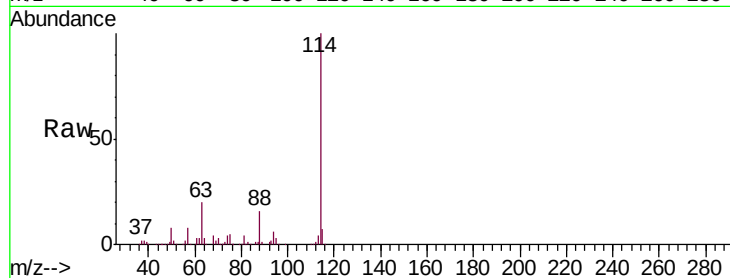




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013111.D
 Acq: 18 Sep 2019 14:19

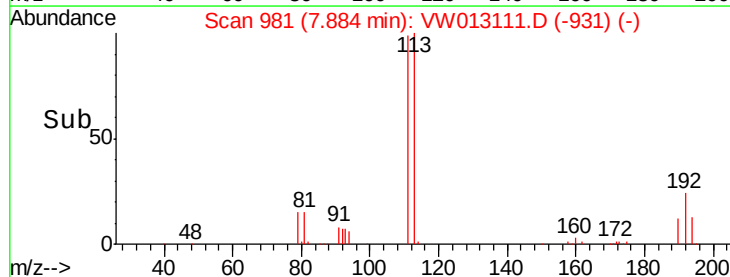
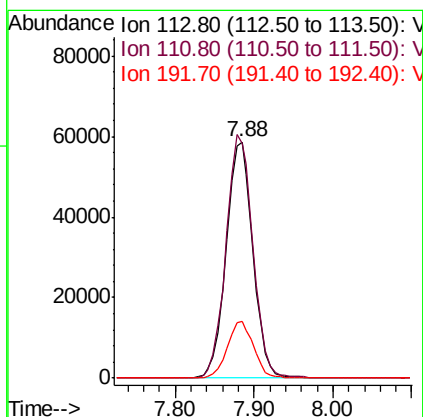
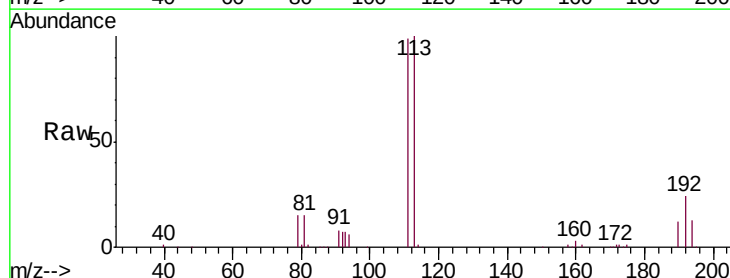
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-28-5.5-6.0

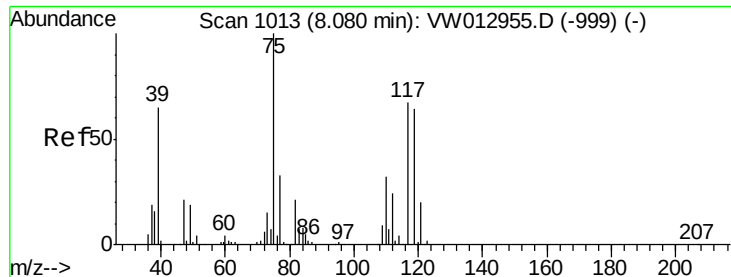
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	43.4
88	16.1	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 50.904 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013111.D
 Acq: 18 Sep 2019 14:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.8	124.2
192	23.7	17.8	26.8

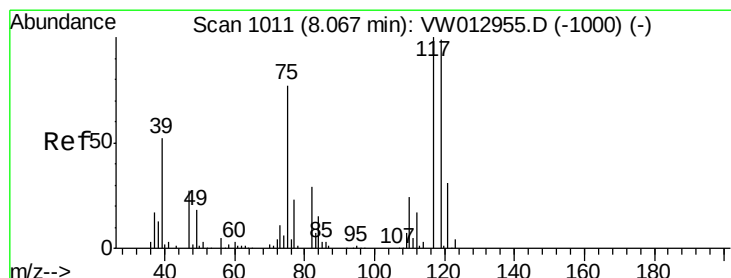
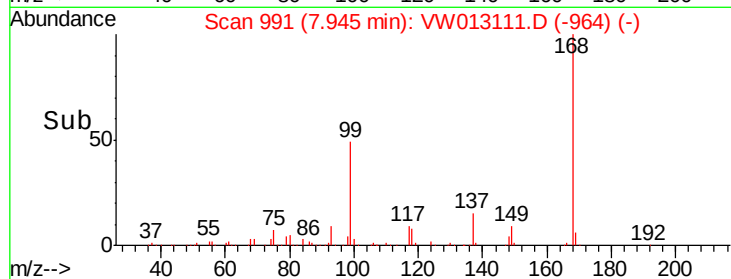
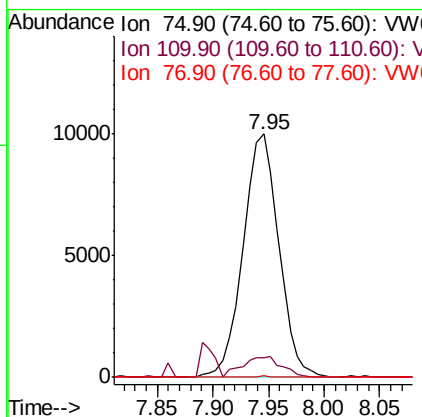
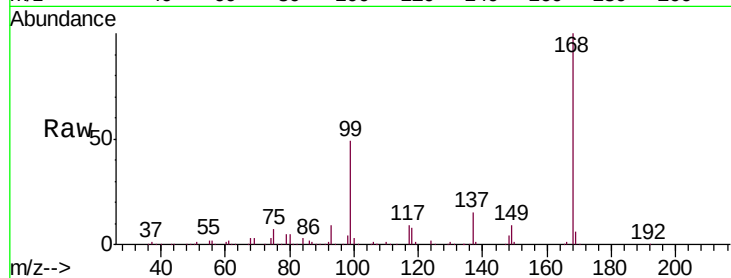




#36
 1,1-Dichloropropene
 Concen: 5.614 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013111.D
 Acq: 18 Sep 2019 14:19

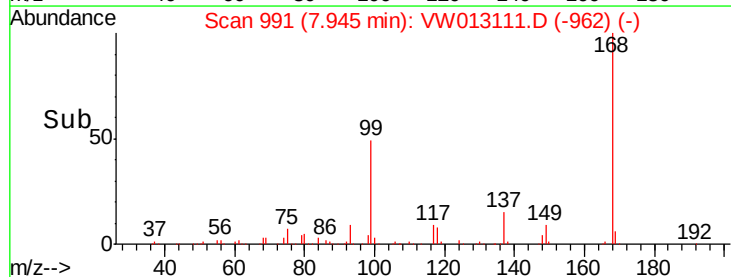
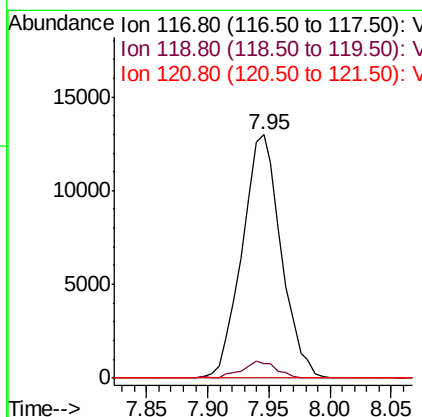
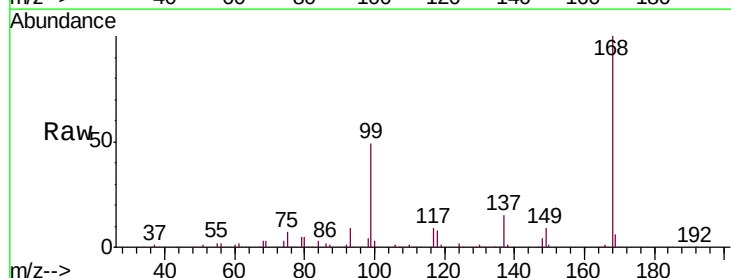
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-28-5.5-6.0

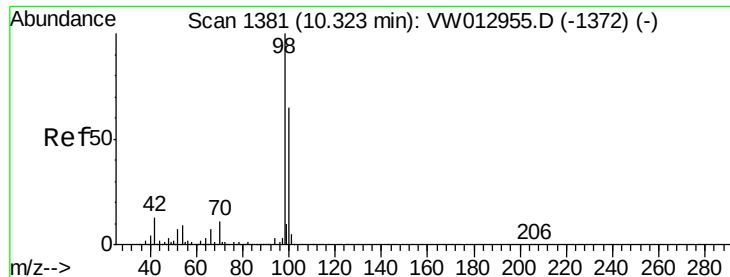
Tgt Ion: 75 Resp: 22382
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.4 49.1#
 77 0.1 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.035 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013111.D
 Acq: 18 Sep 2019 14:19

Tgt Ion: 117 Resp: 28743
 Ion Ratio Lower Upper
 117 100
 119 5.9 79.4 119.0#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 53.881 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013111.D

Acq: 18 Sep 2019 14:19

Instrument :

MSVOA_W

ClientSampleId :

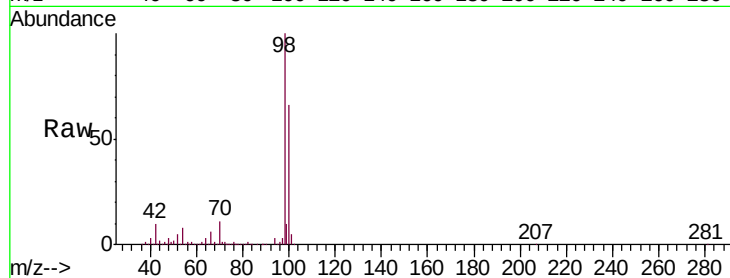
SB-28-5.5-6.0

Tgt Ion: 98 Resp: 570817

Ion Ratio Lower Upper

98 100

100 66.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

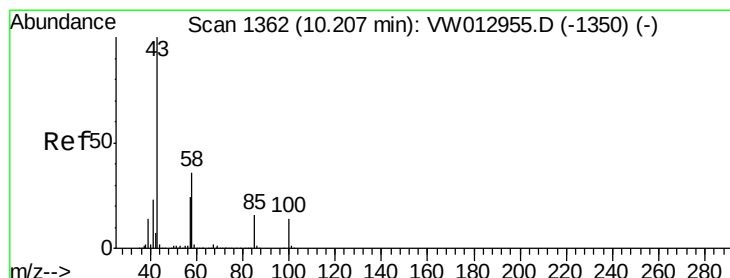
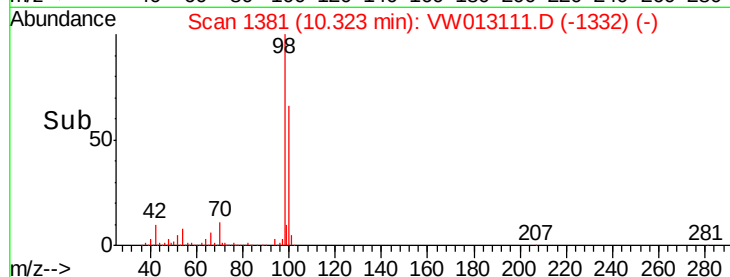
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#51

4-Methyl-2-Pentanone

Concen: 1.249 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013111.D

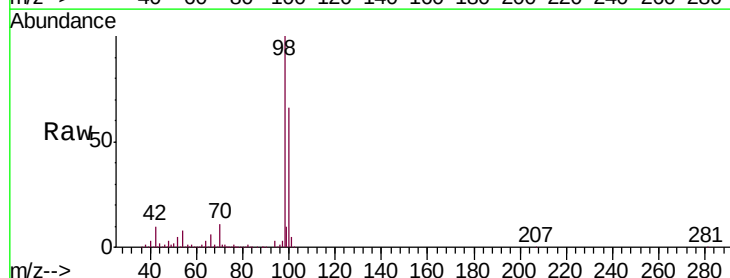
Acq: 18 Sep 2019 14:19

Tgt Ion: 43 Resp: 2621

Ion Ratio Lower Upper

43 100

58 186.6 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

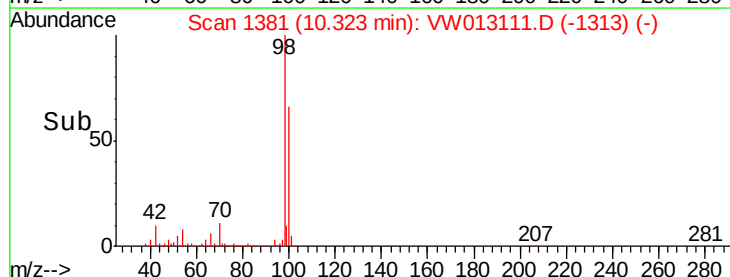
3000

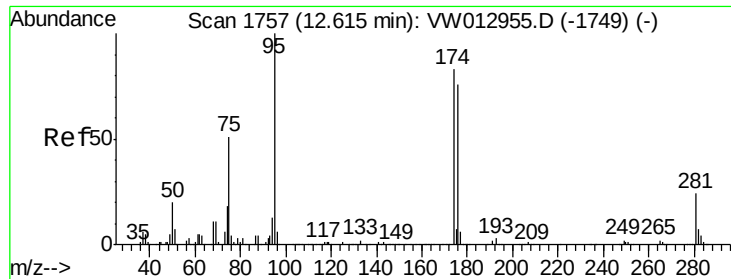
2000

1000

0

Time--> 10.25 10.30 10.35





#62

4-Bromofluorobenzene

Concen: 46.939 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013111.D

Acq: 18 Sep 2019 14:19

Instrument :

MSVOA_W

ClientSampleId :

SB-28-5.5-6.0

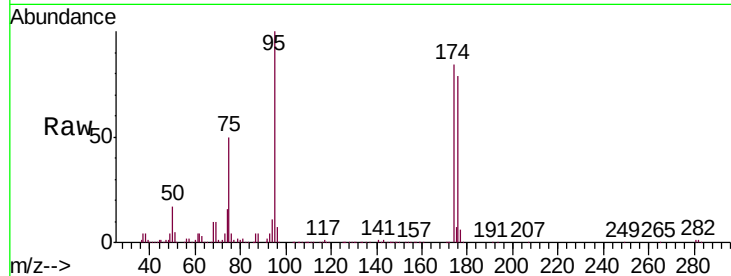
Tgt Ion: 95 Resp: 178809

Ion Ratio Lower Upper

95 100

174 87.7 0.0 170.4

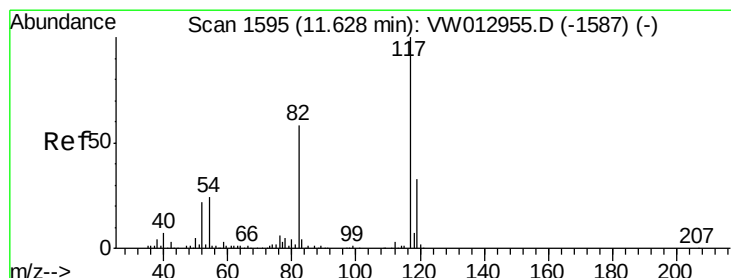
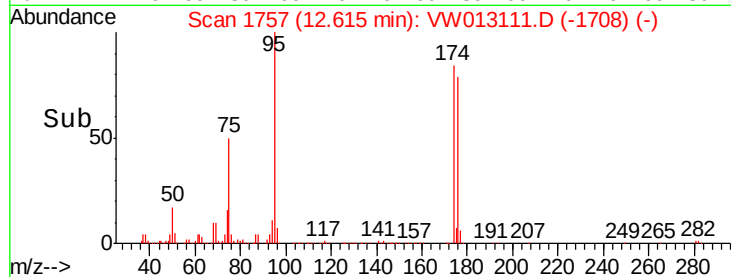
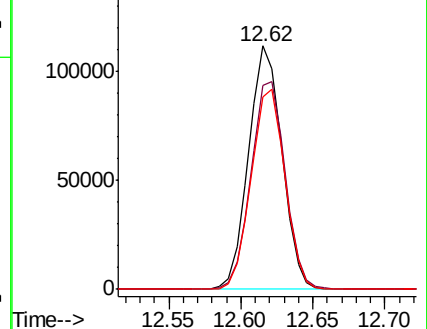
176 83.4 0.0 164.6



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: VW013111.D

Acq: 18 Sep 2019 14:19

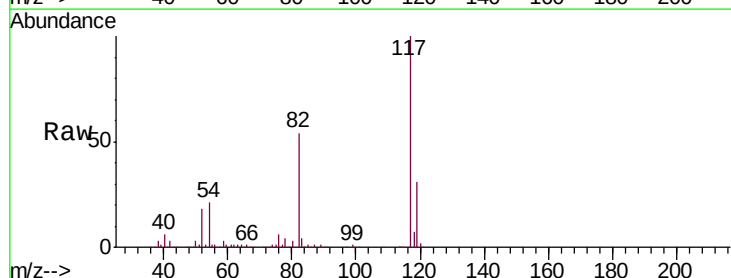
Tgt Ion: 117 Resp: 409366

Ion Ratio Lower Upper

117 100

82 54.0 46.3 69.5

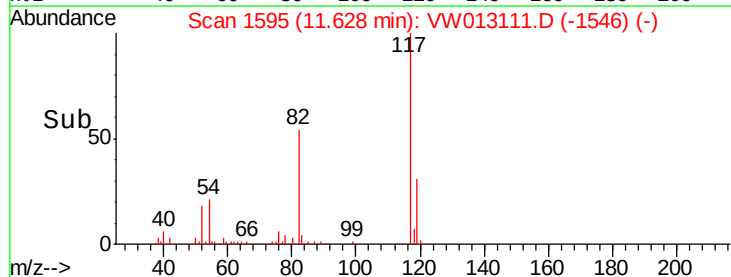
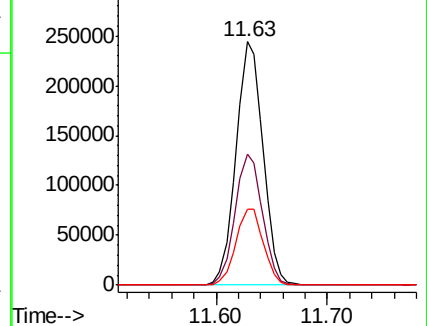
119 31.4 26.2 39.4

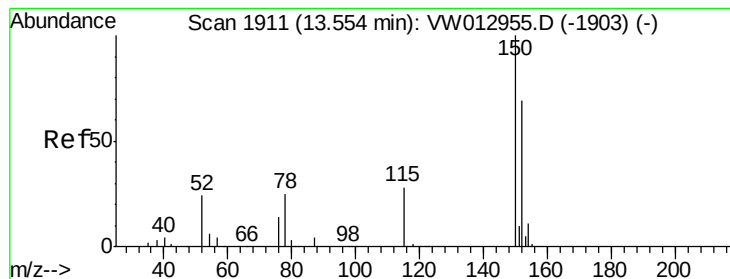


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW013111.D

Acq: 18 Sep 2019 14:19

Instrument :

MSVOA_W

ClientSampleId :

SB-28-5.5-6.0

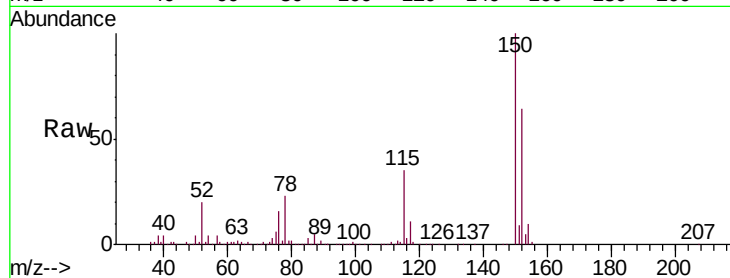
Tgt Ion: 152 Resp: 178605

Ion Ratio Lower Upper

152 100

115 55.4 28.8 86.4

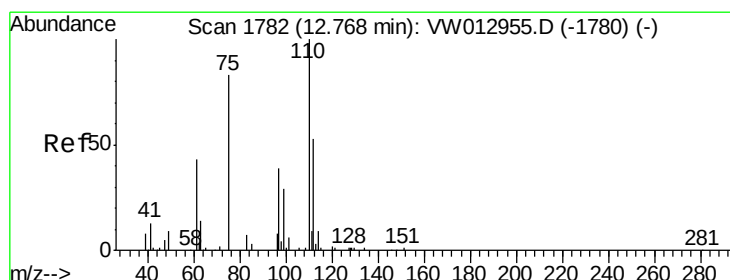
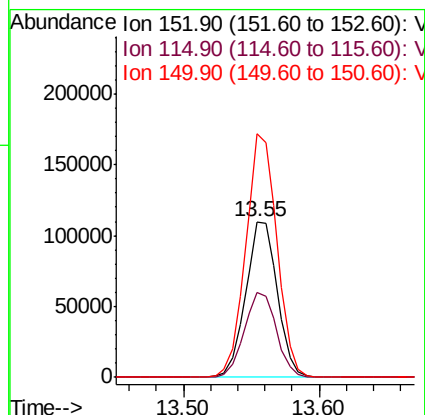
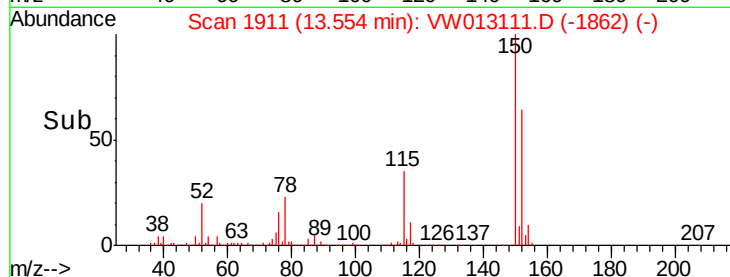
150 154.4 0.0 340.2



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: 54.737 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013111.D

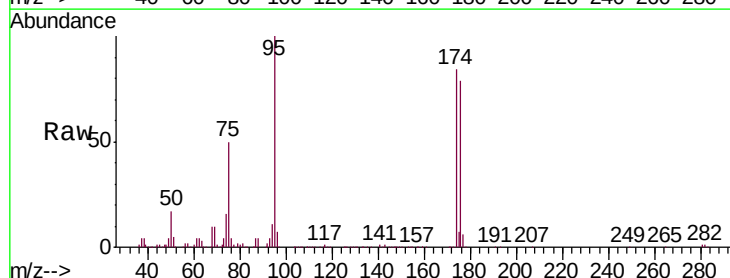
Acq: 18 Sep 2019 14:19

Tgt Ion: 75 Resp: 85632

Ion Ratio Lower Upper

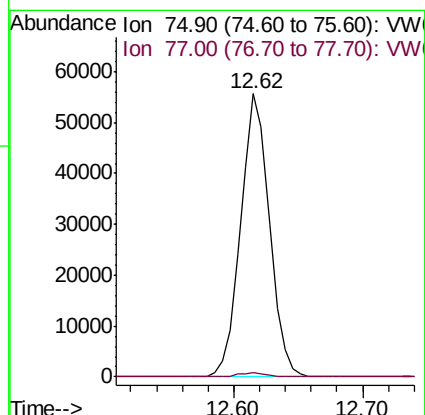
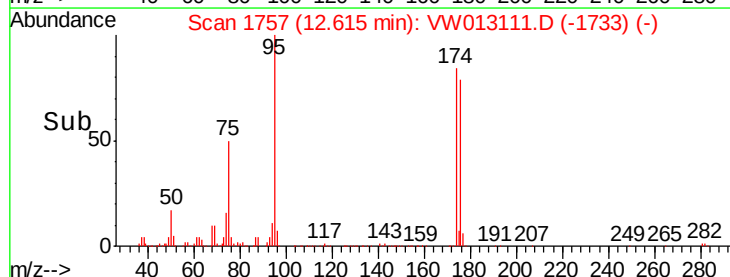
75 100

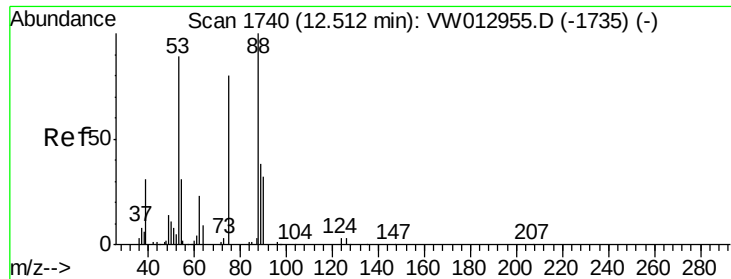
77 1.6 0.0 0.0#



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: 124.169 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013111.D

Acq: 18 Sep 2019 14:19

Instrument :

MSVOA_W

ClientSampleId :

SB-28-5.5-6.0

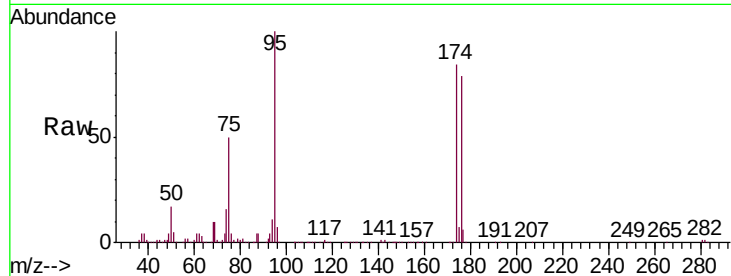
Tgt Ion: 75 Resp: 85632

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.0 37.2 55.8#



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

