

Data File : VW013117.D
Acq On : 18 Sep 2019 16:54
Operator : SY/VA
Sample : K4923-03
Misc : 4.99G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-40-5.5-6.0

Quant Time: Sep 19 07:56:09 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	323029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	495430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	182531	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	139061	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
35) Dibromofluoromethane	7.88	113	136353	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	10.32	98	566489	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
62) 4-Bromofluorobenzene	12.61	95	177725	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	

Target Compounds

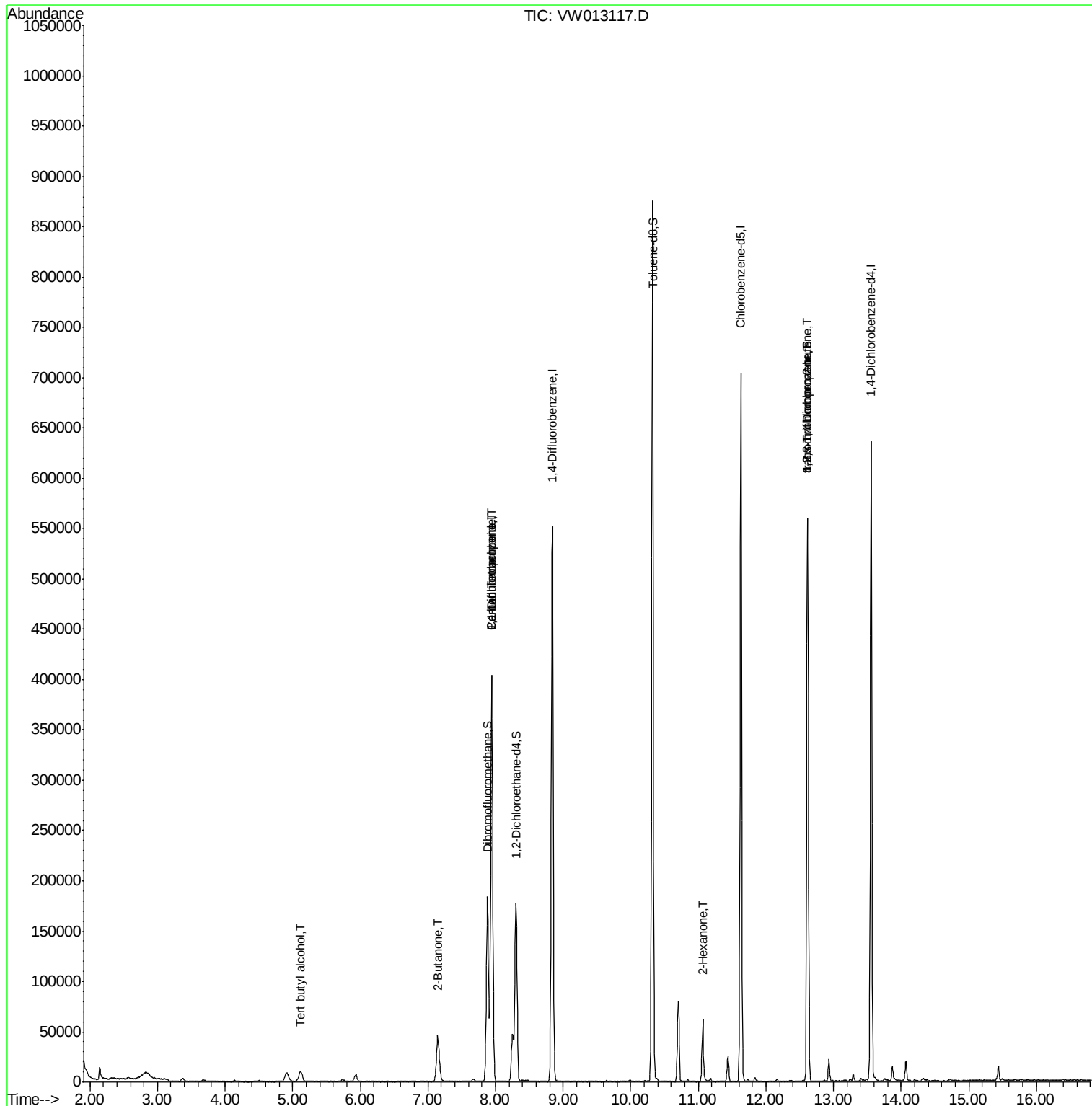
						Qvalue
2) Dichlorodifluoromethane	2.01	85	606	Below Cal		75
3) Chloromethane	2.21	50	320	Below Cal	#	41
11) Tert butyl alcohol	5.11	59	10002	30.892	ug/l #	73
16) Acetone	4.15	43	2439	Below Cal	#	82
20) Methylene Chloride	4.90	84	7308	Below Cal		96
25) 2-Butanone	7.15	43	2684	2.829	ug/l #	80
26) 2,2-Dichloropropane	7.14	77	3364	Below Cal	#	55
31) Cyclohexane	7.94	56	5633	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	21770	5.499	ug/l #	51
38) Carbon Tetrachloride	7.95	117	29113	7.176	ug/l #	14
59) 2-Hexanone	11.07	43	1652	1.139	ug/l #	52
76) 1,2,3-Trichloropropane	12.61	75	85882	53.716	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	85882	121.853	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: VW013117.D

Acq: 18 Sep 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

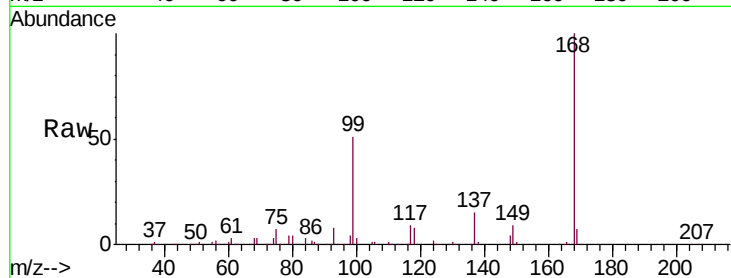
SB-40-5.5-6.0

Tgt Ion:168 Resp: 323029

Ion Ratio Lower Upper

168 100

99 51.4 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

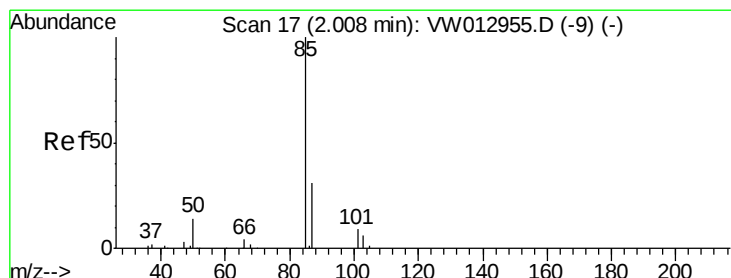
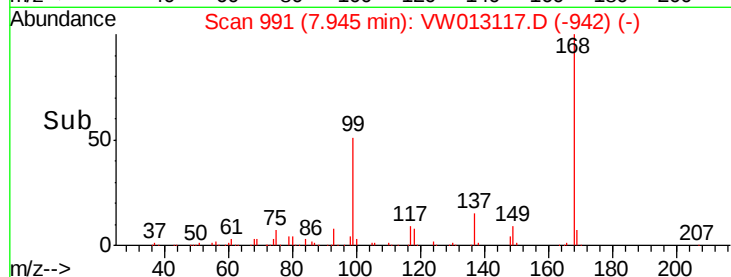
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013117.D

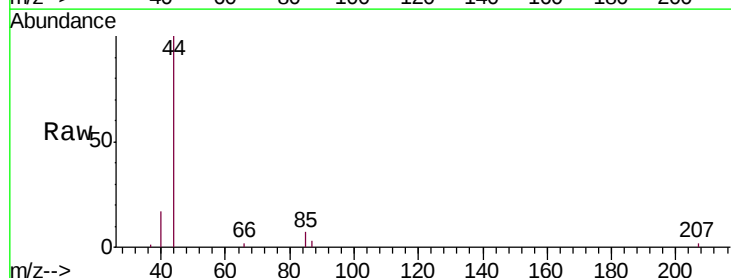
Acq: 18 Sep 2019 16:54

Tgt Ion: 85 Resp: 606

Ion Ratio Lower Upper

85 100

87 44.9 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

300

250

200

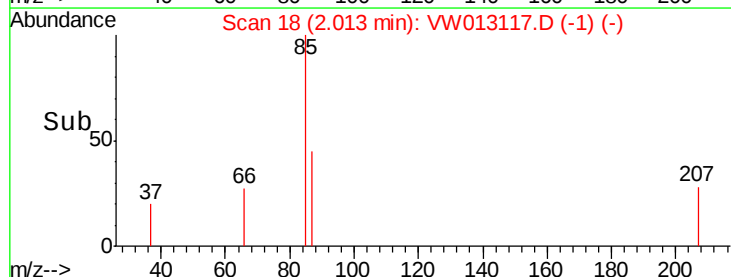
150

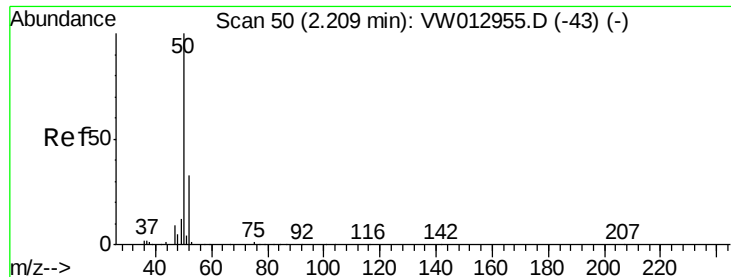
100

50

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013117.D

Acq: 18 Sep 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

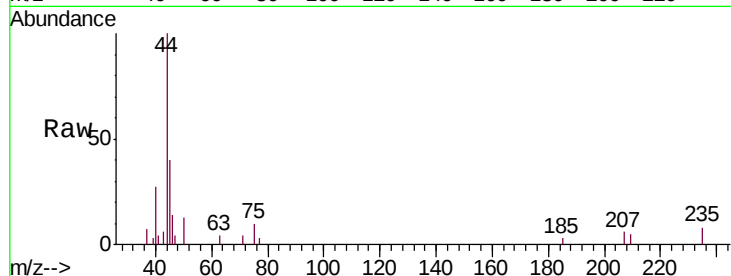
SB-40-5.5-6.0

Tgt Ion: 50 Resp: 320

Ion Ratio Lower Upper

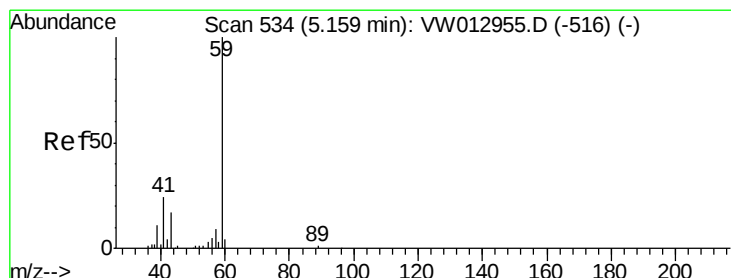
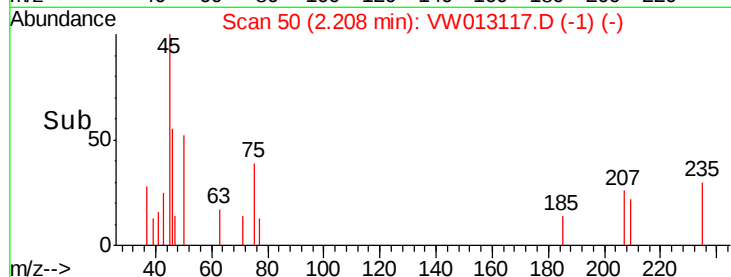
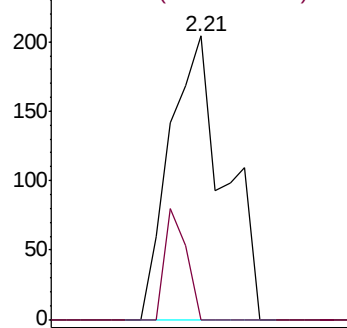
50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#11

Tert butyl alcohol

Concen: 30.892 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW013117.D

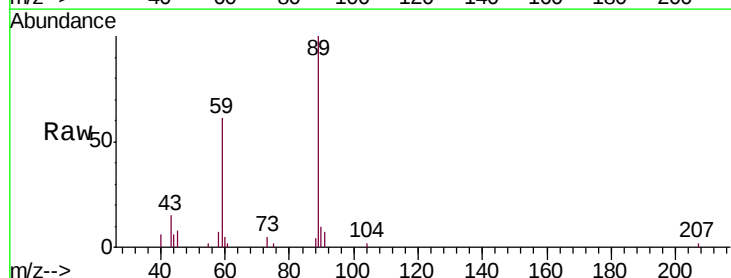
Acq: 18 Sep 2019 16:54

Tgt Ion: 59 Resp: 10002

Ion Ratio Lower Upper

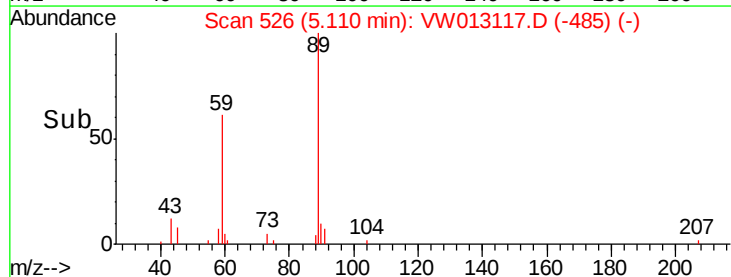
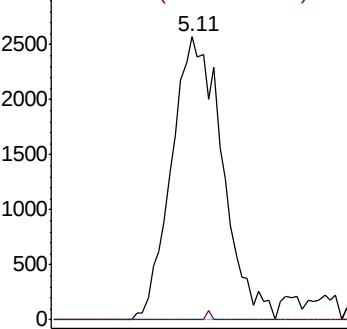
59 100

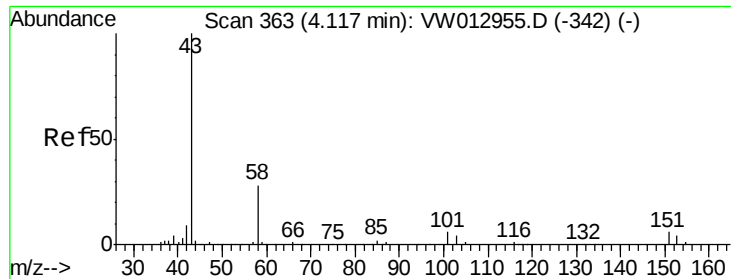
57 0.3 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW013117.D

Acq: 18 Sep 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

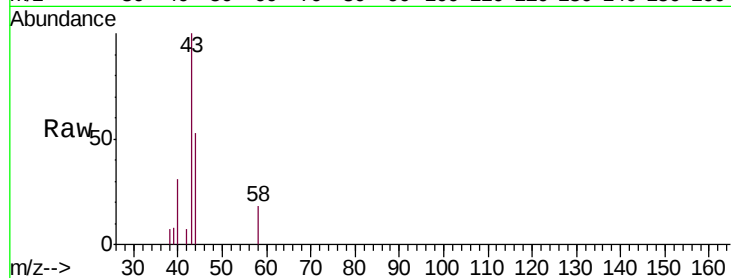
SB-40-5.5-6.0

Tgt Ion: 43 Resp: 2439

Ion Ratio Lower Upper

43 100

58 18.4 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

800

600

400

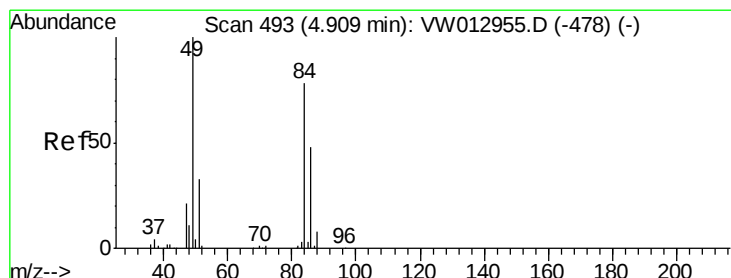
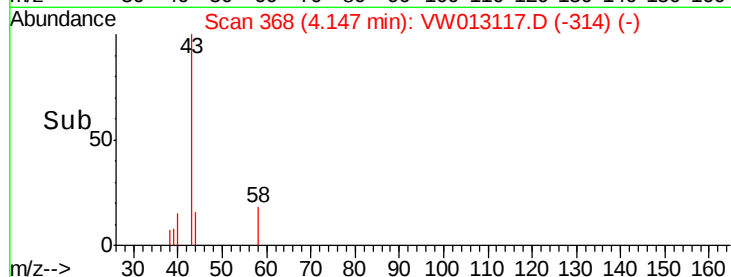
200

0

4.10

4.20

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013117.D

Acq: 18 Sep 2019 16:54

Tgt Ion: 84 Resp: 7308

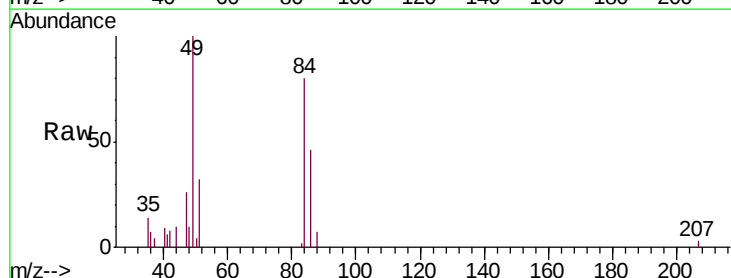
Ion Ratio Lower Upper

84 100

49 121.9 102.0 153.0

51 40.2 34.0 51.0

86 57.3 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

4000

3000

2000

1000

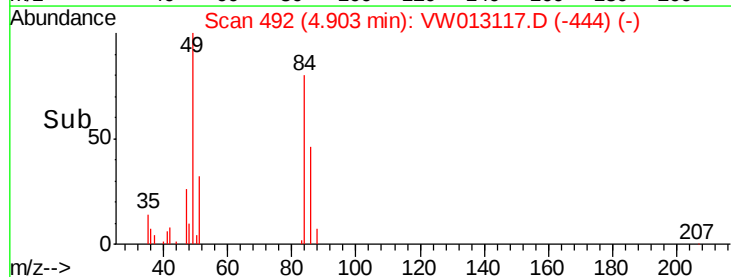
0

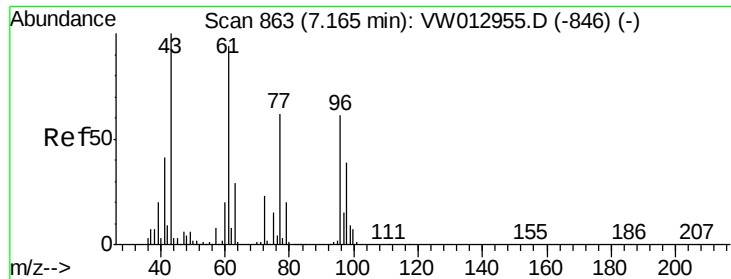
4.80

4.90

5.00

Time-->





#25

2-Butanone

Concen: 2.829 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013117.D

Acq: 18 Sep 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

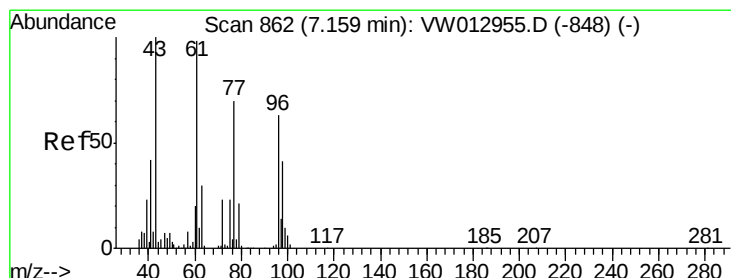
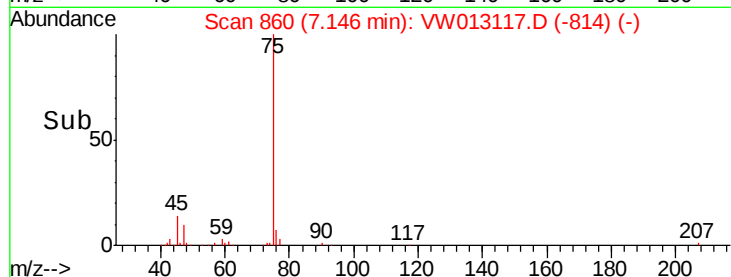
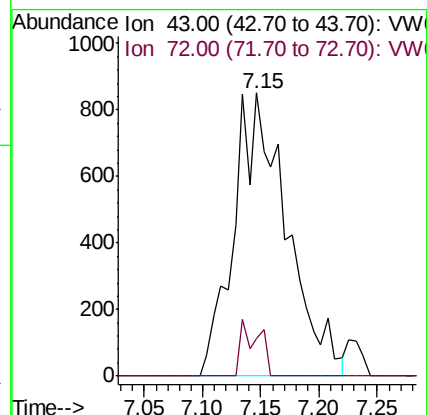
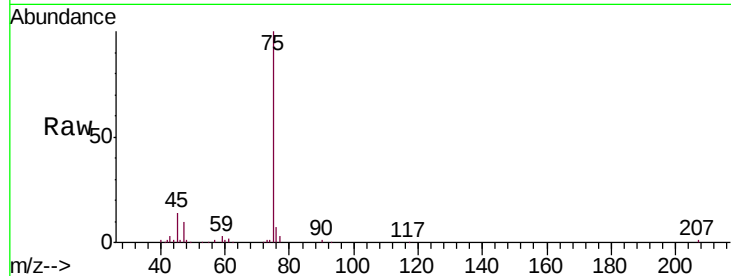
SB-40-5.5-6.0

Tgt Ion: 43 Resp: 2684

Ion Ratio Lower Upper

43 100

72 13.2 18.2 27.4#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013117.D

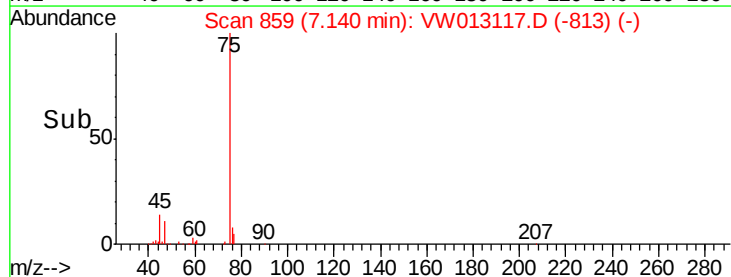
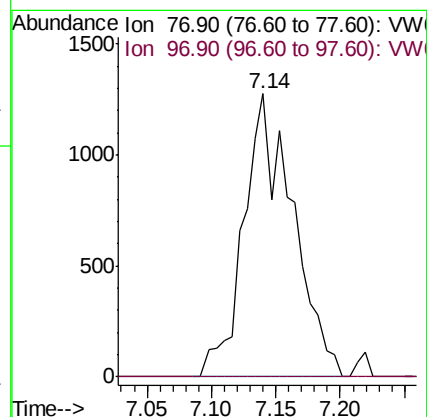
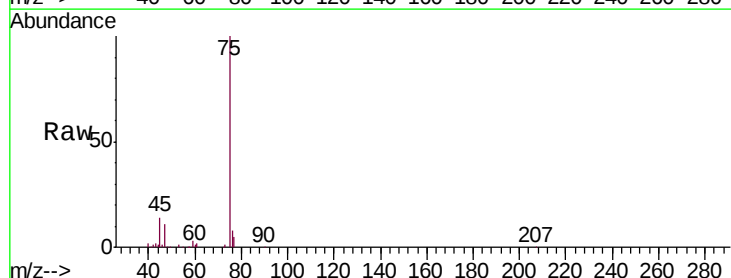
Acq: 18 Sep 2019 16:54

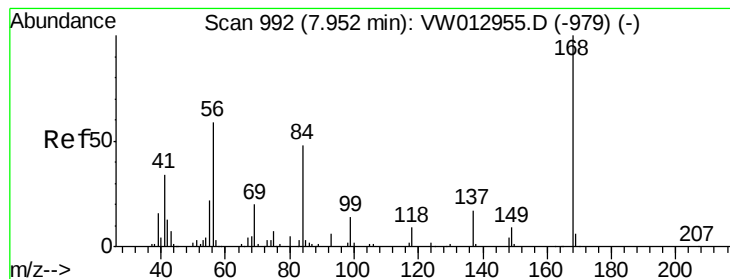
Tgt Ion: 77 Resp: 3364

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013117.D

Acq: 18 Sep 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

SB-40-5.5-6.0

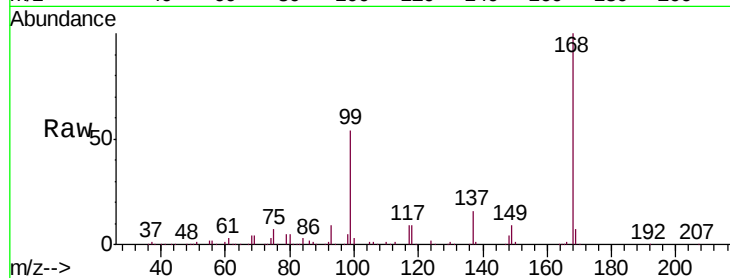
Tgt Ion: 56 Resp: 5633

Ion Ratio Lower Upper

56 100

69 168.5 27.0 40.6#

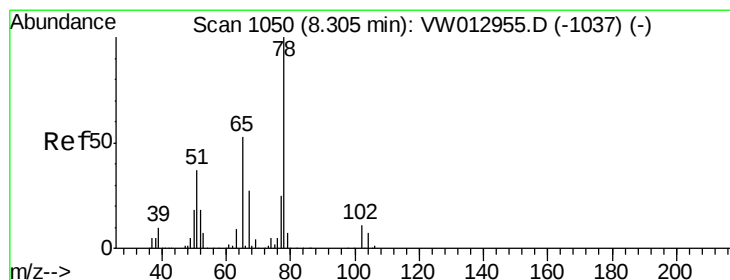
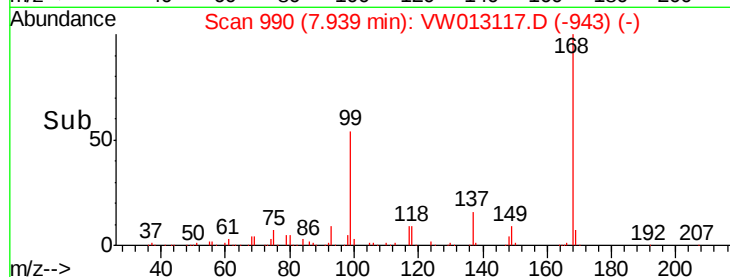
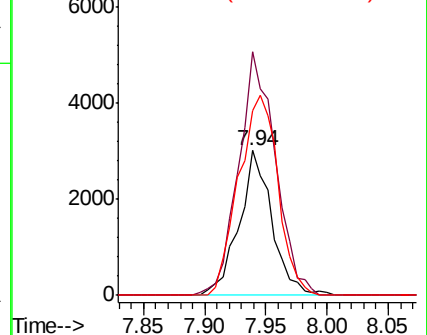
84 127.5 66.2 99.2#



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: 46.612 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013117.D

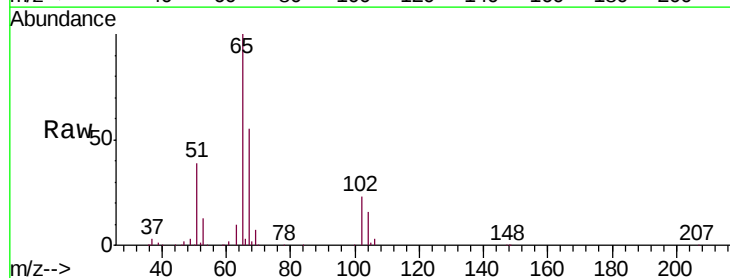
Acq: 18 Sep 2019 16:54

Tgt Ion: 65 Resp: 139061

Ion Ratio Lower Upper

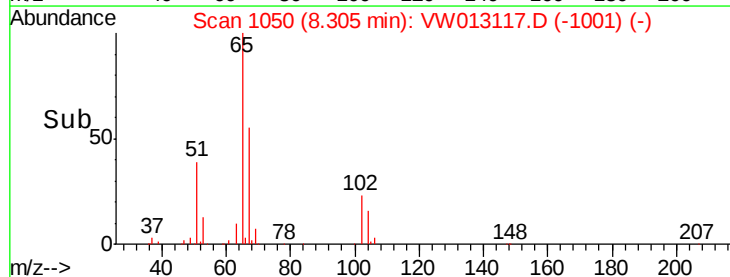
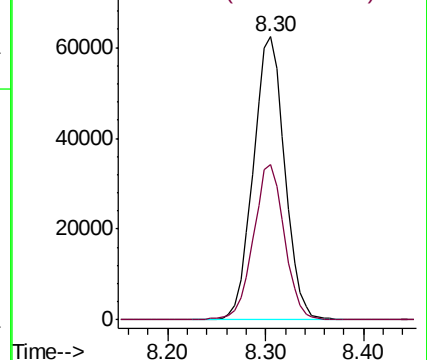
65 100

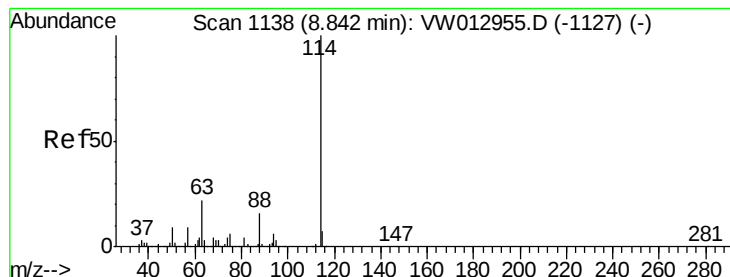
67 54.2 0.0 101.2



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: VW013117.D

Acq: 18 Sep 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

SB-40-5.5-6.0

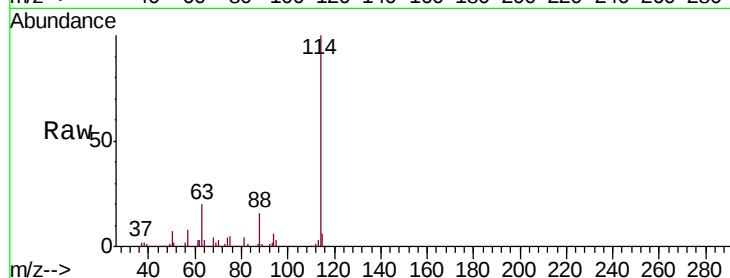
Tgt Ion:114 Resp: 495430

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.4

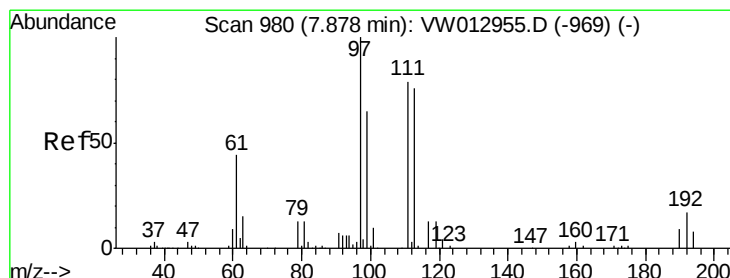
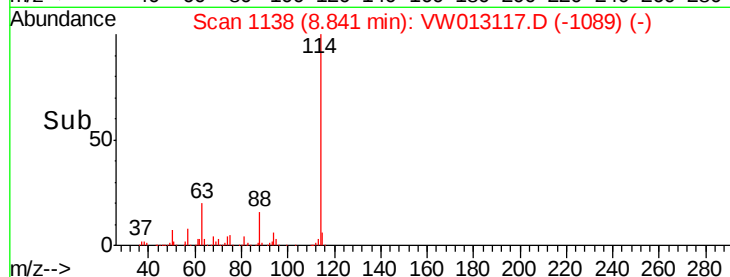
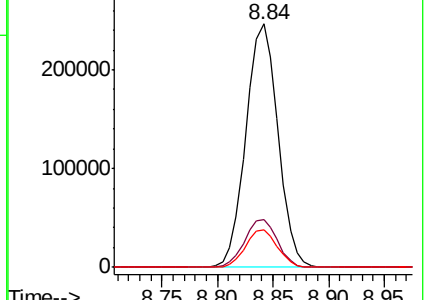
88 15.6 0.0 31.6



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: 50.722 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013117.D

Acq: 18 Sep 2019 16:54

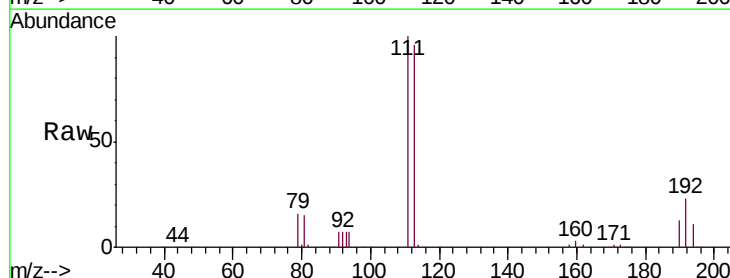
Tgt Ion:113 Resp: 136353

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

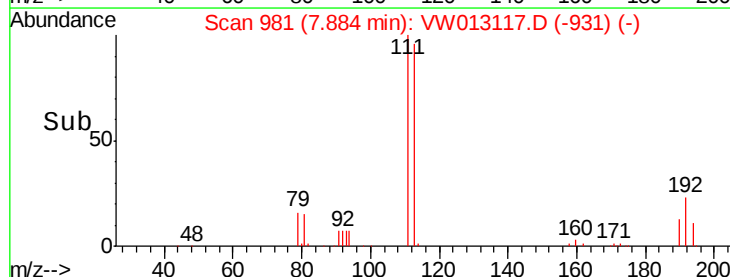
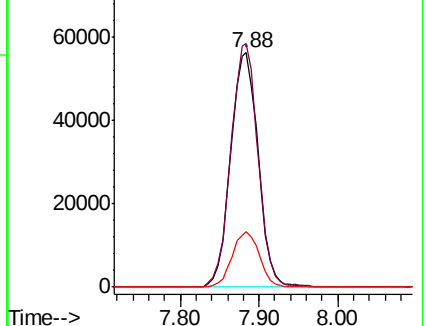
192 23.5 17.8 26.8

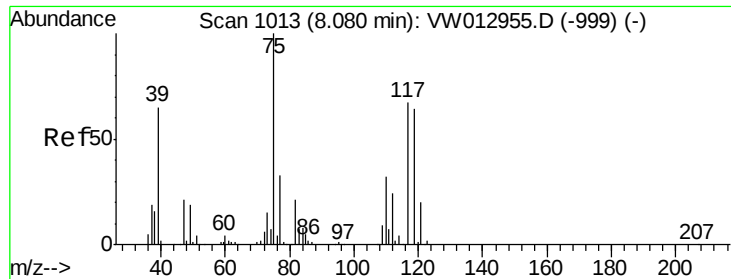


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

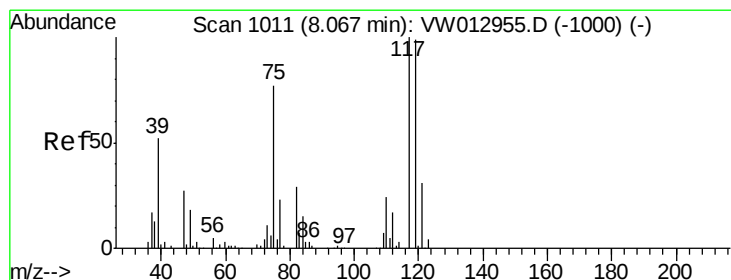
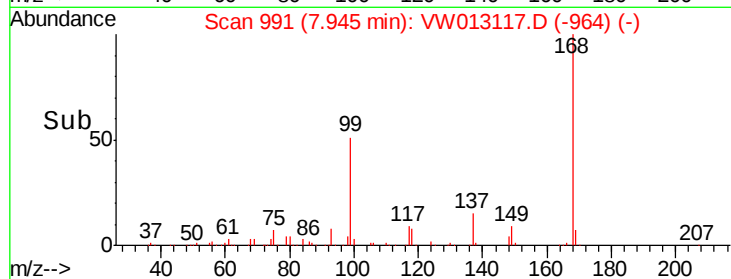
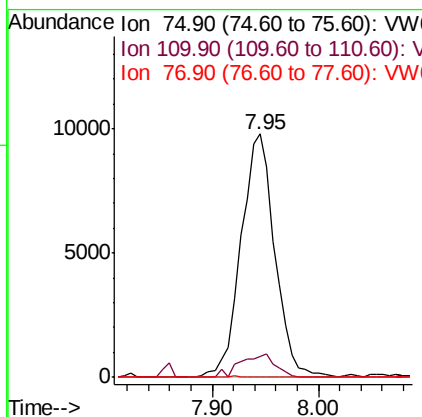
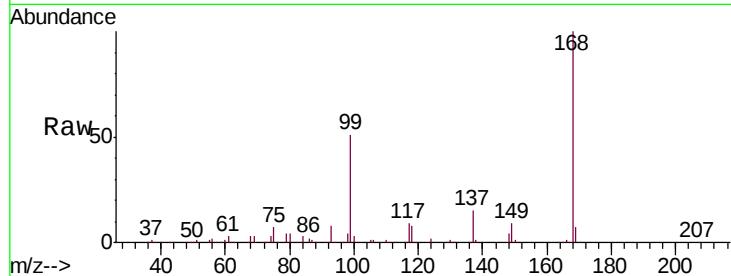




#36
 1,1-Dichloropropene
 Concen: 5.499 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013117.D
 Acq: 18 Sep 2019 16:54

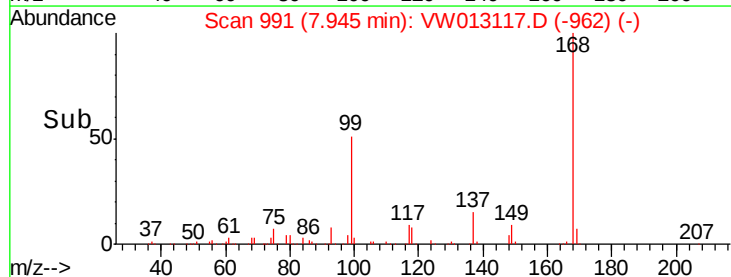
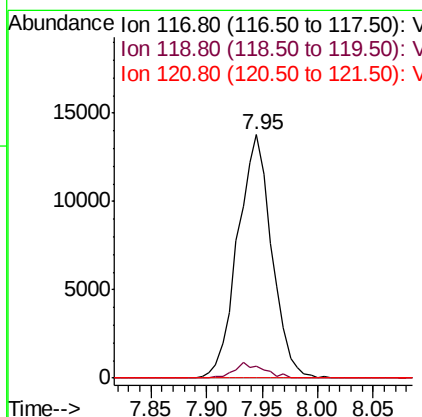
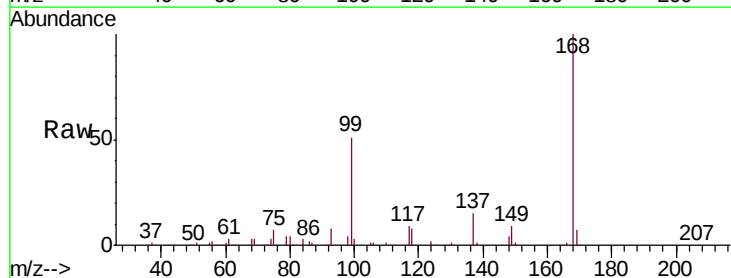
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-40-5.5-6.0

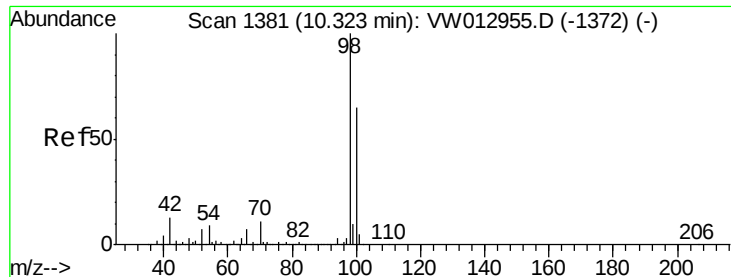
Tgt Ion: 75 Resp: 21770
 Ion Ratio Lower Upper
 75 100
 110 9.9 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.176 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013117.D
 Acq: 18 Sep 2019 16:54

Tgt Ion: 117 Resp: 29113
 Ion Ratio Lower Upper
 117 100
 119 4.7 79.4 119.0#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 53.851 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013117.D

Acq: 18 Sep 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

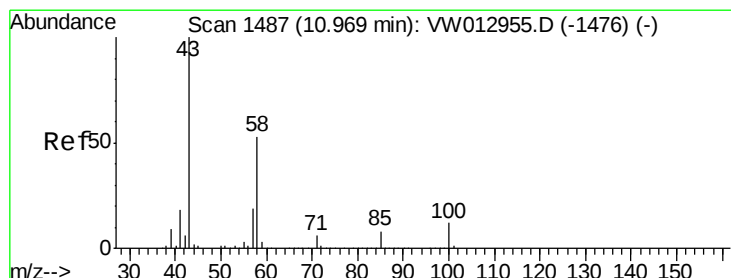
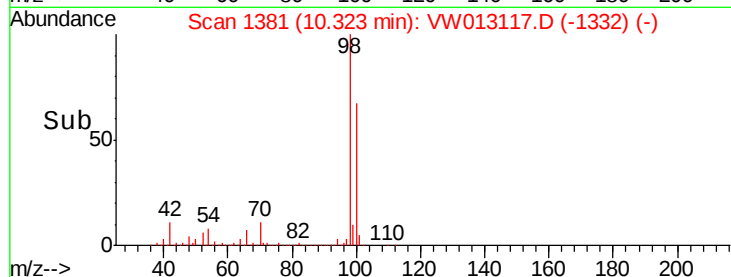
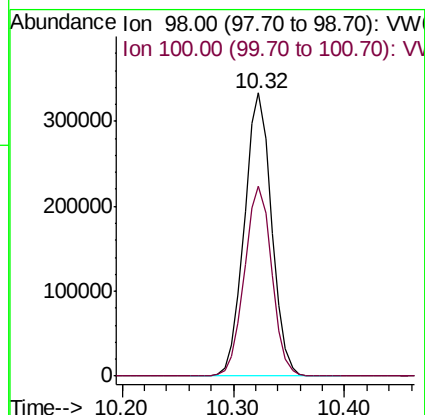
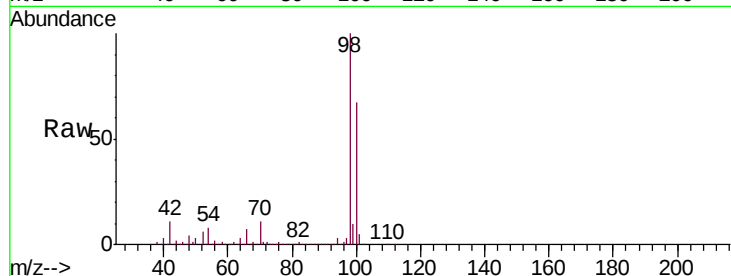
SB-40-5.5-6.0

Tgt Ion: 98 Resp: 566489

Ion Ratio Lower Upper

98 100

100 67.4 52.1 78.1



#59

2-Hexanone

Concen: 1.139 ug/l

RT: 11.07 min Scan# 1503

Delta R.T. 0.10 min

Lab File: VW013117.D

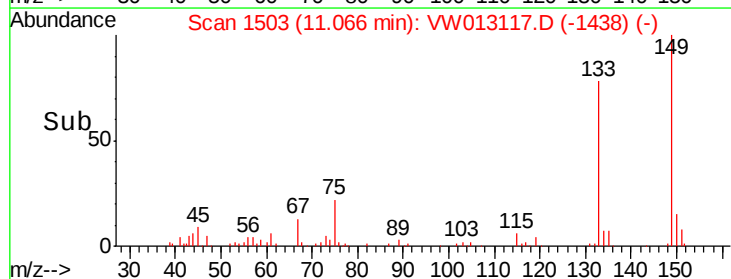
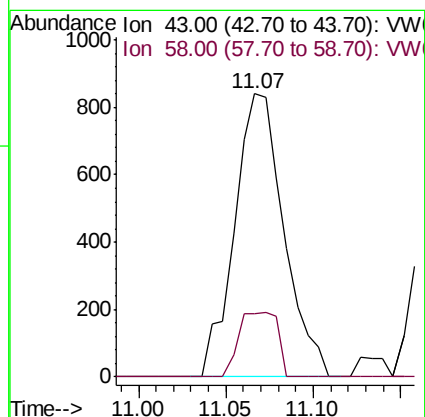
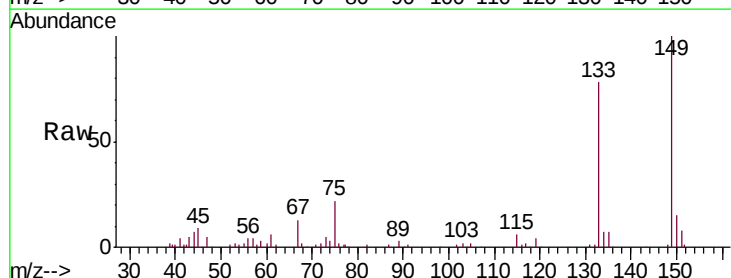
Acq: 18 Sep 2019 16:54

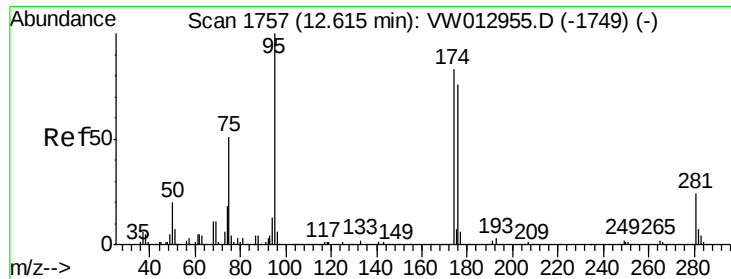
Tgt Ion: 43 Resp: 1652

Ion Ratio Lower Upper

43 100

58 17.9 25.8 77.3#

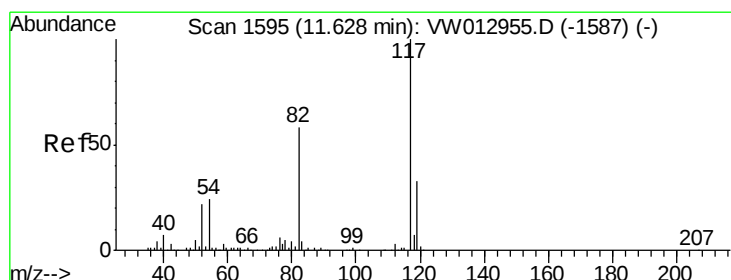
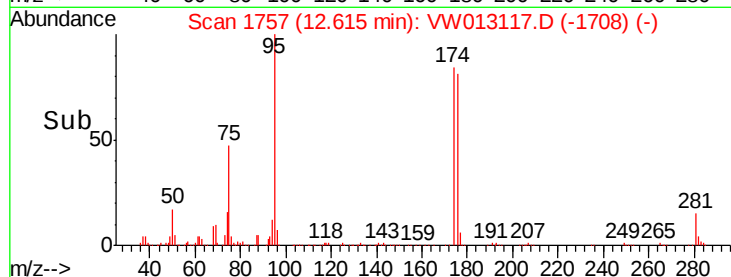
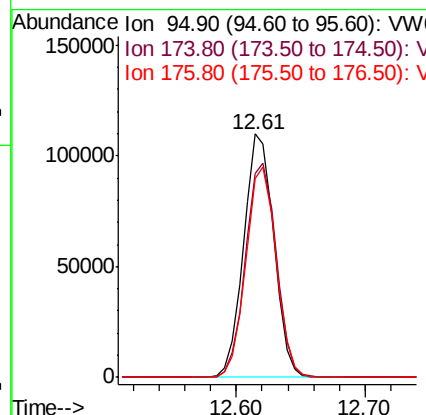
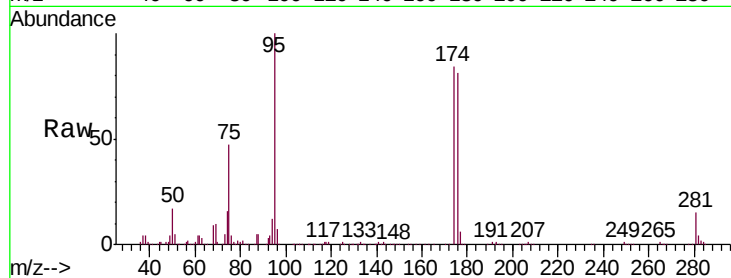




#62
4-Bromofluorobenzene
Concen: 46.985 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013117.D
Acq: 18 Sep 2019 16:54

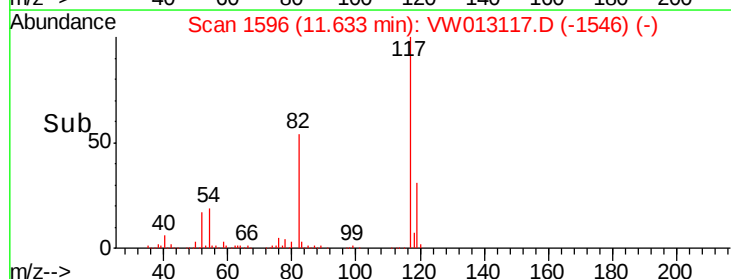
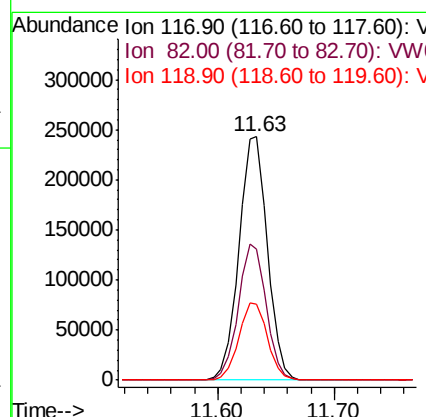
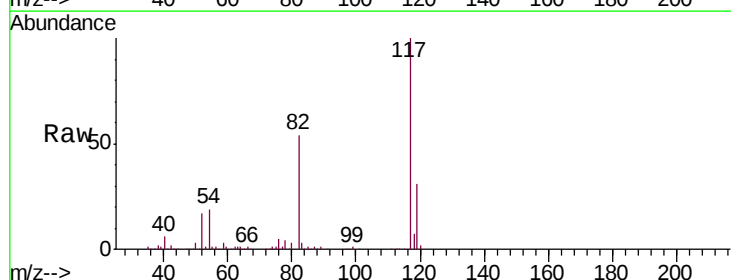
Instrument :
MSVOA_W
ClientSampleId :
SB-40-5.5-6.0

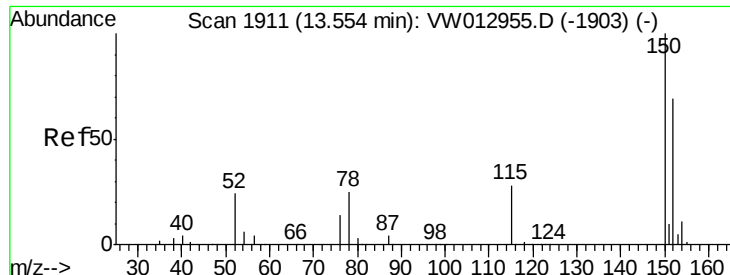
Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.8	0.0	170.4
176	86.5	0.0	164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013117.D
Acq: 18 Sep 2019 16:54

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.0	46.3	69.5
119	31.4	26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013117.D

Acq: 18 Sep 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

SB-40-5.5-6.0

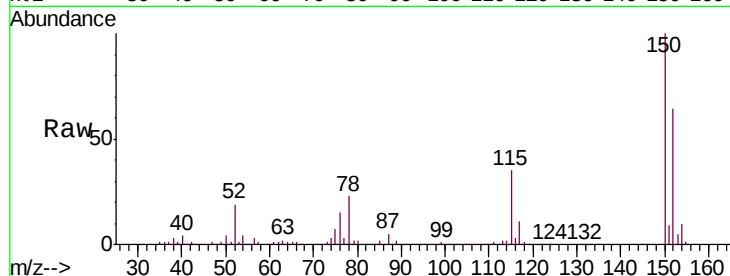
Tgt Ion: 152 Resp: 182531

Ion Ratio Lower Upper

152 100

115 55.9 28.8 86.4

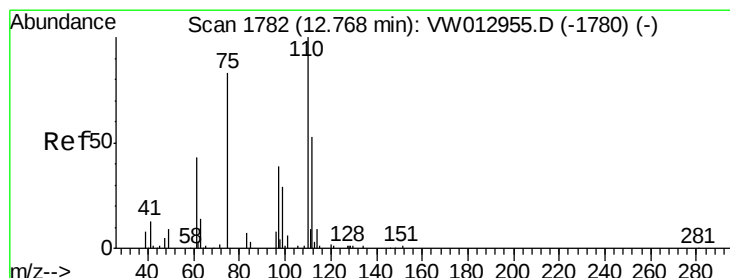
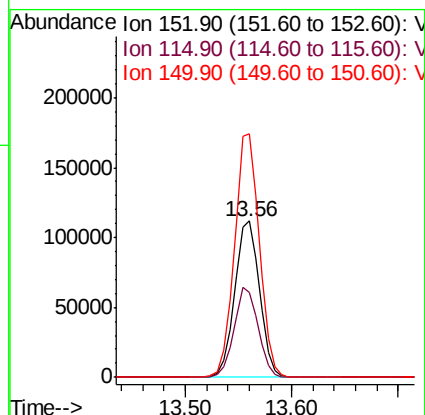
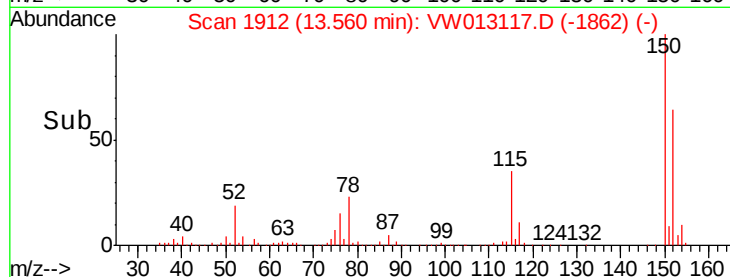
150 156.0 0.0 340.2



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: 53.716 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013117.D

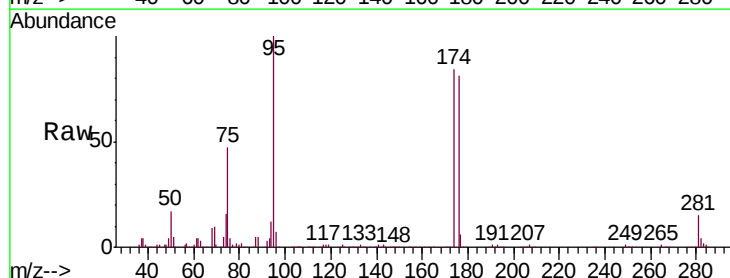
Acq: 18 Sep 2019 16:54

Tgt Ion: 75 Resp: 85882

Ion Ratio Lower Upper

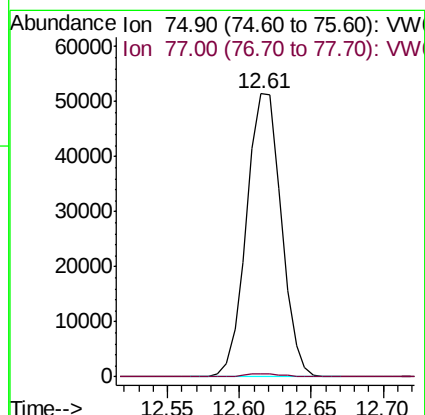
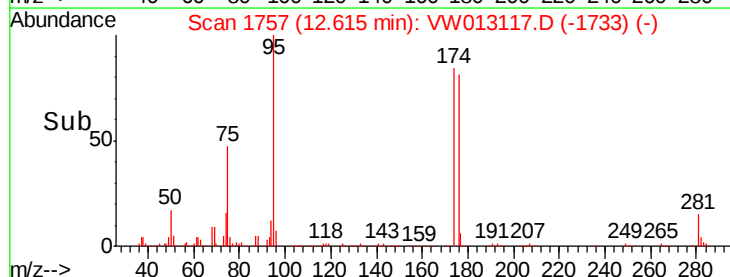
75 100

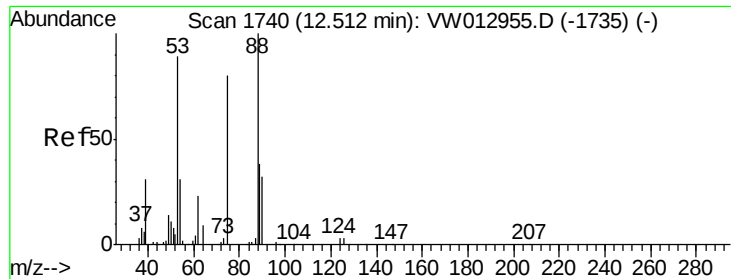
77 1.3 0.0 0.0#



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: 121.853 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013117.D

Acq: 18 Sep 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

SB-40-5.5-6.0

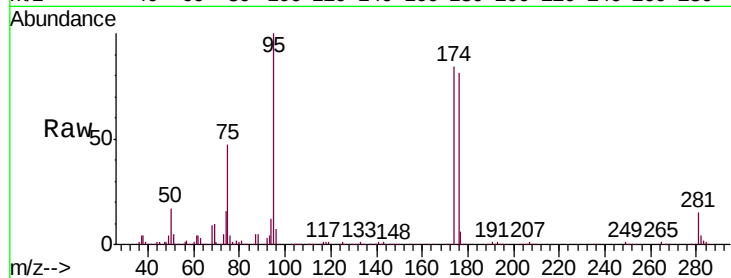
Tgt Ion: 75 Resp: 85882

Ion Ratio Lower Upper

75 100

53 0.1 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

