

Data File : VW013138.D
Acq On : 19 Sep 2019 03:41
Operator : SY/VA
Sample : K4924-11
Misc : 4.97G/5ML/MSVOA_W/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-45-6.5-7.0

Quant Time: Sep 19 08:04:06 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	353142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	529935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	442008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	197208	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	146580	44.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.88%	
35) Dibromofluoromethane	7.88	113	143236	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
50) Toluene-d8	10.32	98	614775	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
62) 4-Bromofluorobenzene	12.62	95	190924	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	

Target Compounds

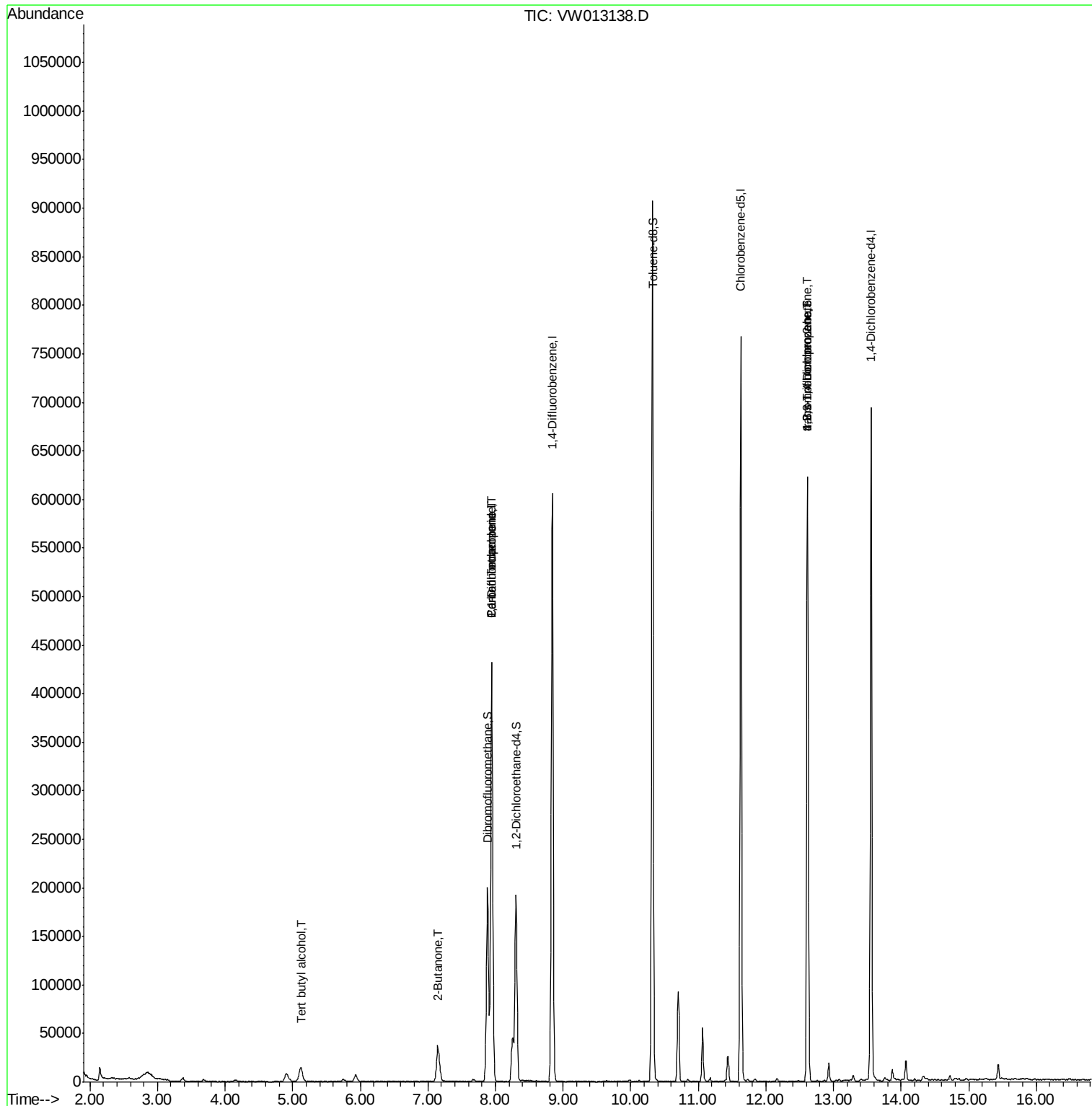
						Qvalue
2) Dichlorodifluoromethane	2.00	85	215	Below Cal	#	44
3) Chloromethane	2.21	50	264	Below Cal	#	41
11) Tert butyl alcohol	5.12	59	14207	47.149	ug/l #	74
16) Acetone	4.15	43	4036	Below Cal		90
20) Methylene Chloride	4.92	84	6498	Below Cal	#	78
25) 2-Butanone	7.14	43	2375	2.290	ug/l #	53
26) 2,2-Dichloropropane	7.15	77	3128	Below Cal	#	55
31) Cyclohexane	7.94	56	6245	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	23542	5.559	ug/l #	50
38) Carbon Tetrachloride	7.94	117	30268	6.975	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	91748	53.114	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	91748	120.488	ug/l #	7

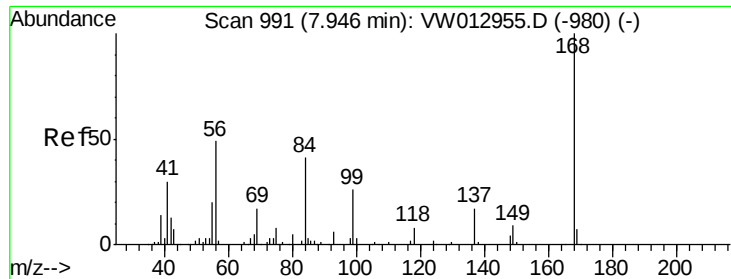
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 13 17:26:01 2019
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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: VW013138.D

Acq: 19 Sep 2019 03:41

Instrument :

MSVOA_W

ClientSampleId :

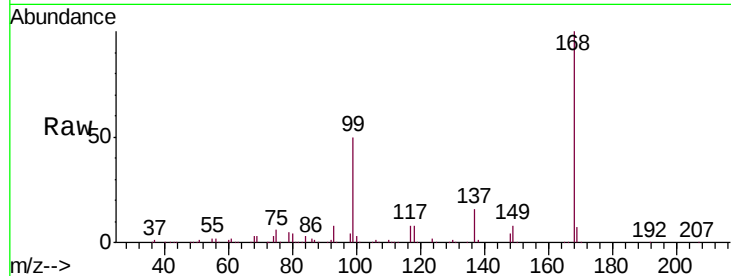
SB-45-6.5-7.0

Tgt Ion:168 Resp: 353142

Ion Ratio Lower Upper

168 100

99 49.9 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

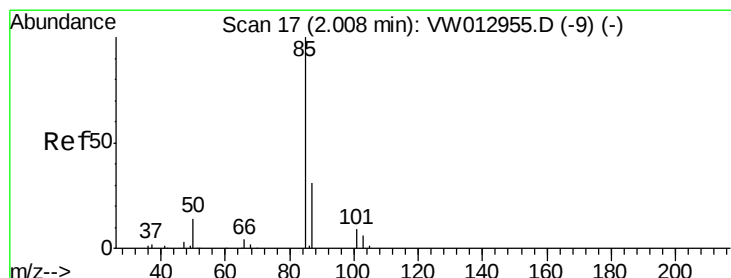
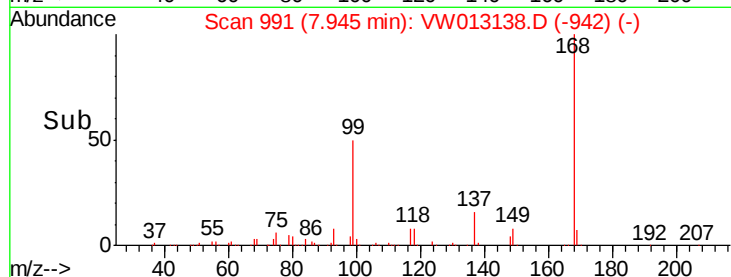
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013138.D

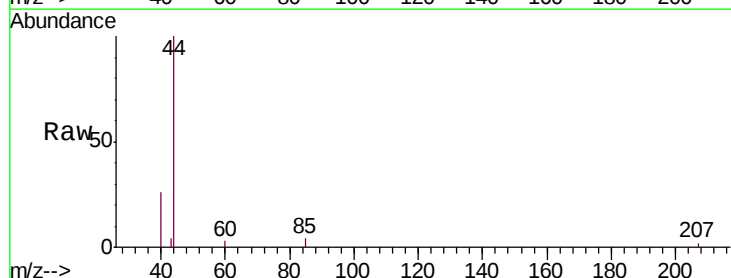
Acq: 19 Sep 2019 03:41

Tgt Ion: 85 Resp: 215

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

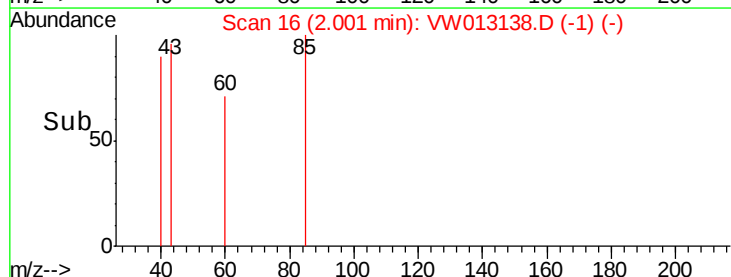
150

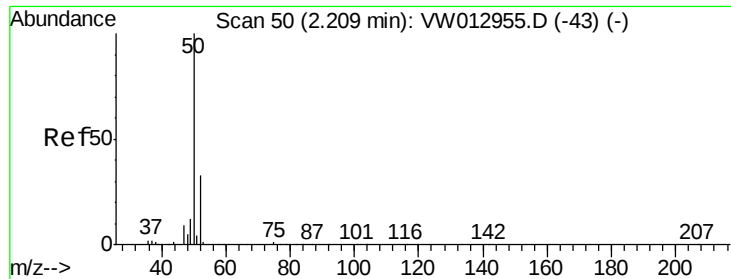
100

50

0

Time--> 2.00 2.05





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013138.D

Acq: 19 Sep 2019 03:41

Instrument :

MSVOA_W

ClientSampleId :

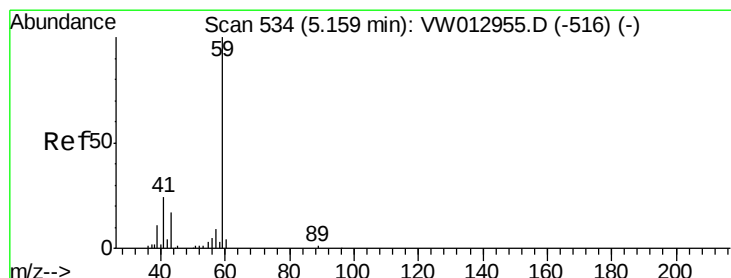
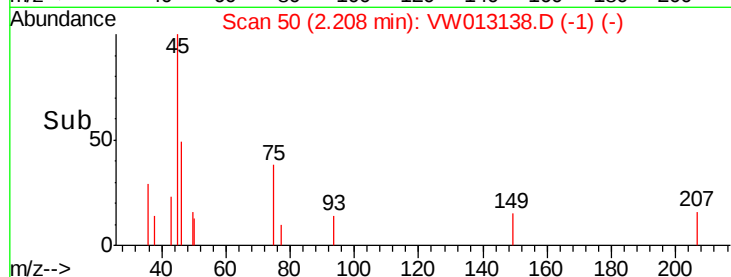
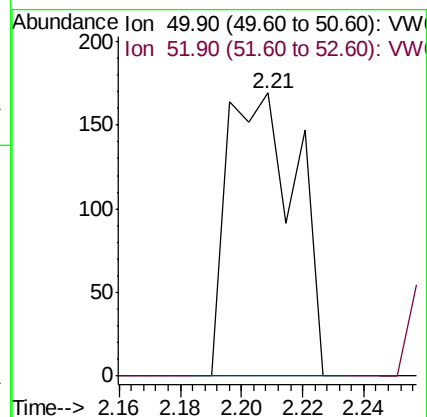
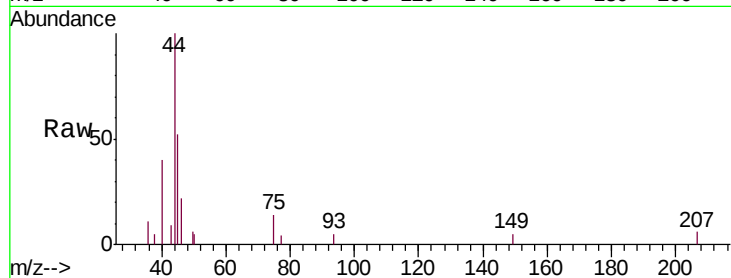
SB-45-6.5-7.0

Tgt Ion: 50 Resp: 264

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: 47.149 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW013138.D

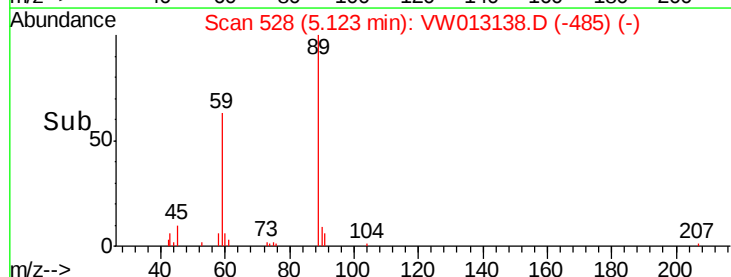
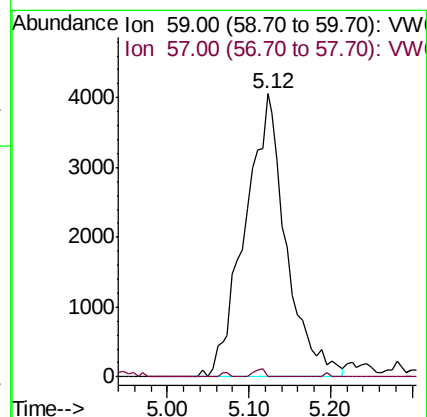
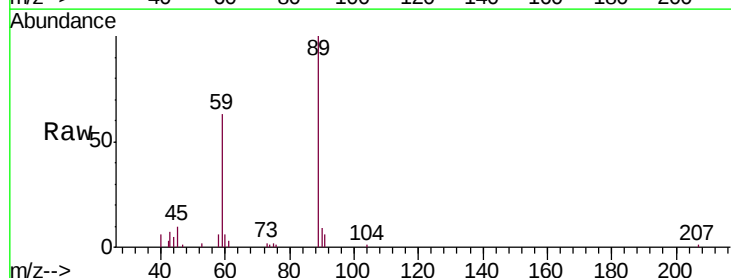
Acq: 19 Sep 2019 03:41

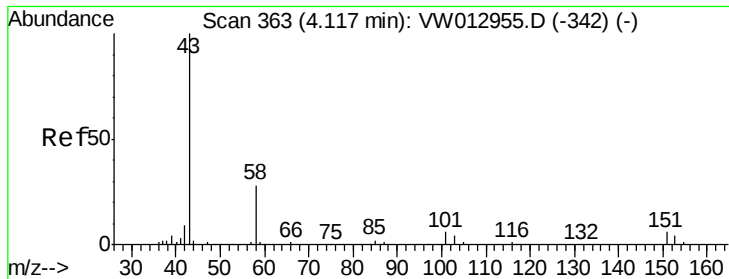
Tgt Ion: 59 Resp: 14207

Ion Ratio Lower Upper

59 100

57 0.7 8.5 12.7#





#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 369

Delta R.T. 0.04 min

Lab File: VW013138.D

Acq: 19 Sep 2019 03:41

Instrument :

MSVOA_W

ClientSampleId :

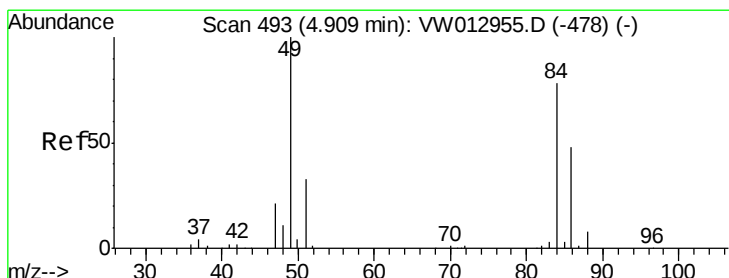
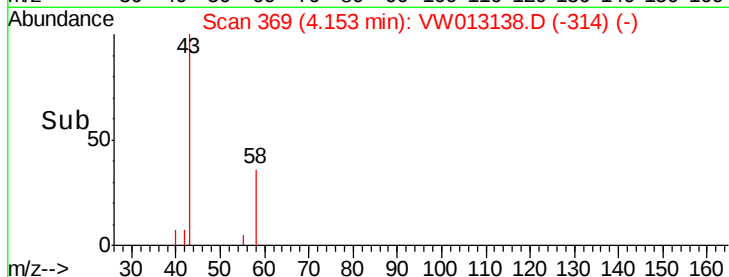
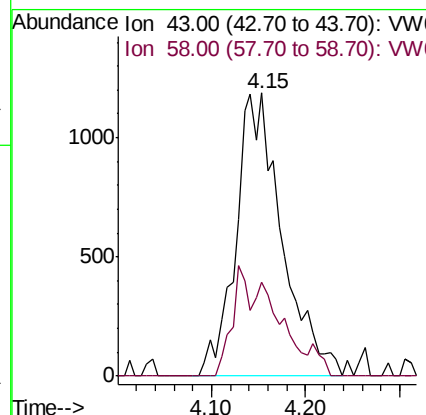
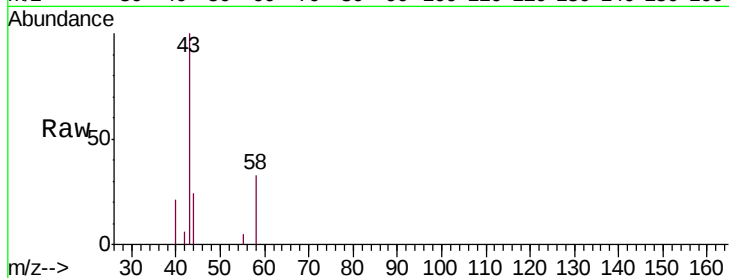
SB-45-6.5-7.0

Tgt Ion: 43 Resp: 4036

Ion Ratio Lower Upper

43 100

58 33.3 22.3 33.5



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW013138.D

Acq: 19 Sep 2019 03:41

Tgt Ion: 84 Resp: 6498

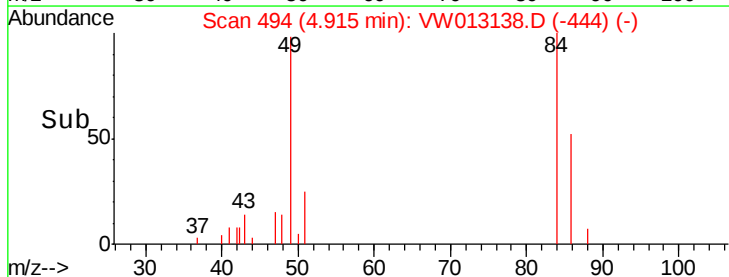
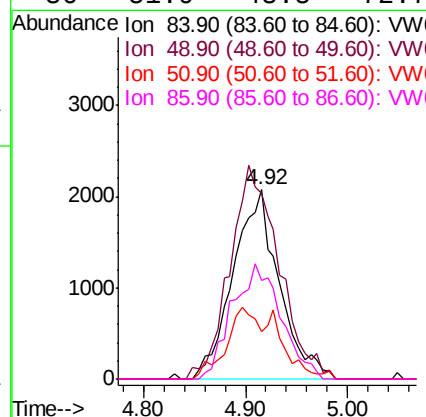
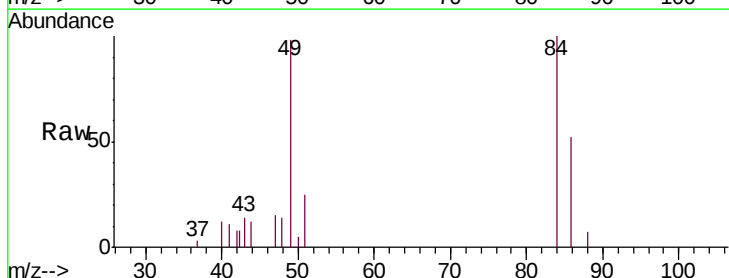
Ion Ratio Lower Upper

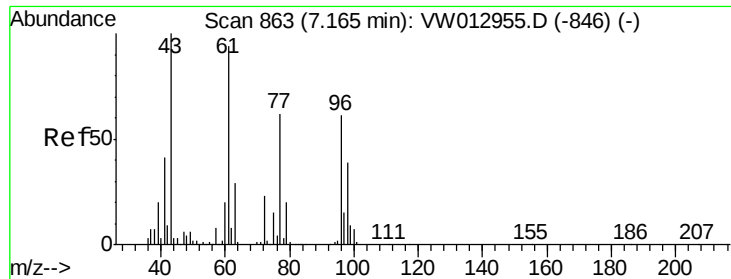
84 100

49 98.1 102.0 153.0#

51 24.8 34.0 51.0#

86 51.9 48.5 72.7





#25

2-Butanone

Concen: 2.290 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013138.D

Acq: 19 Sep 2019 03:41

Instrument :

MSVOA_W

ClientSampleId :

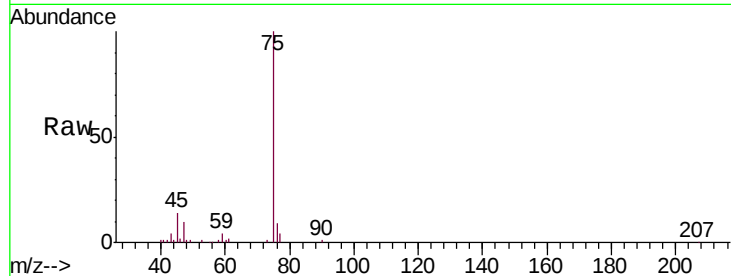
SB-45-6.5-7.0

Tgt Ion: 43 Resp: 2375

Ion Ratio Lower Upper

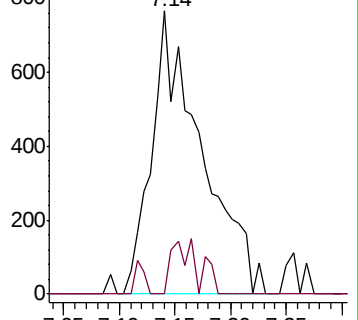
43 100

72 0.0 18.2 27.4#

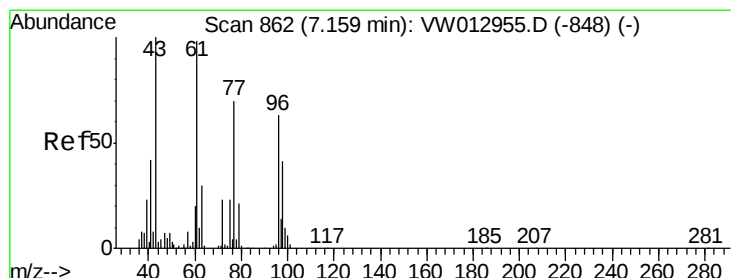
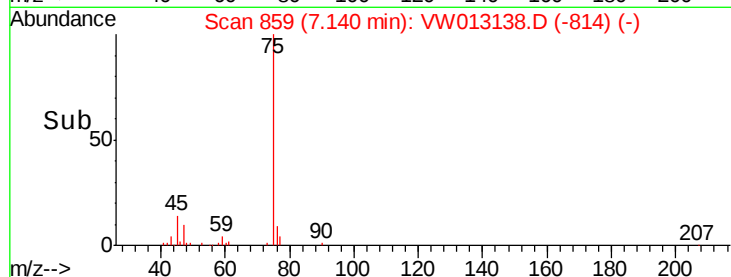


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW013138.D

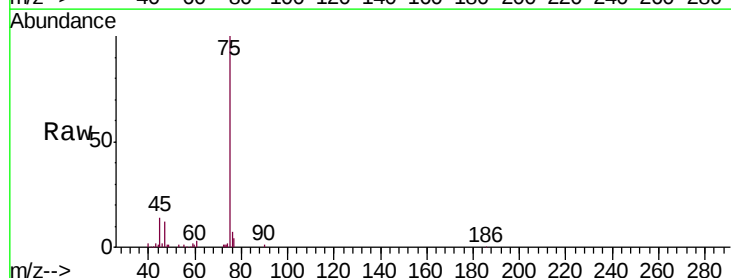
Acq: 19 Sep 2019 03:41

Tgt Ion: 77 Resp: 3128

Ion Ratio Lower Upper

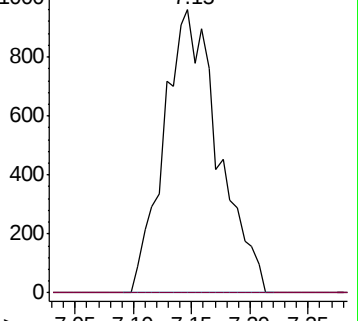
77 100

97 0.0 10.7 32.1#

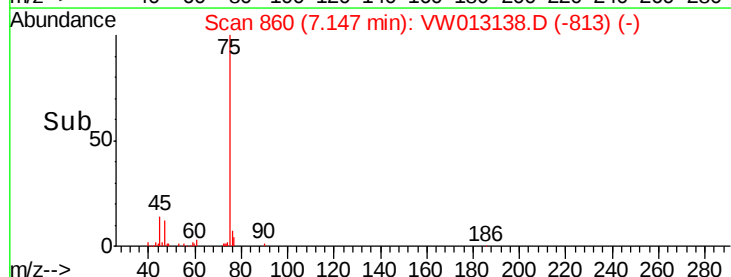


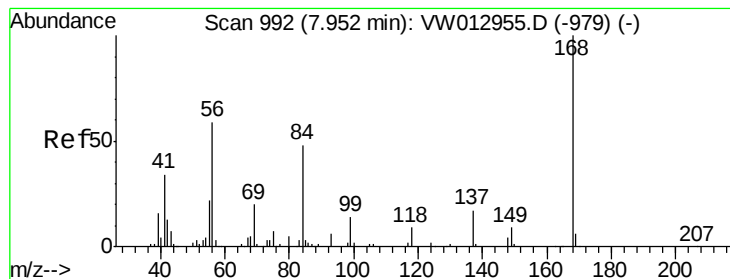
Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time-->





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013138.D

Acq: 19 Sep 2019 03:41

Instrument :

MSVOA_W

ClientSampleId :

SB-45-6.5-7.0

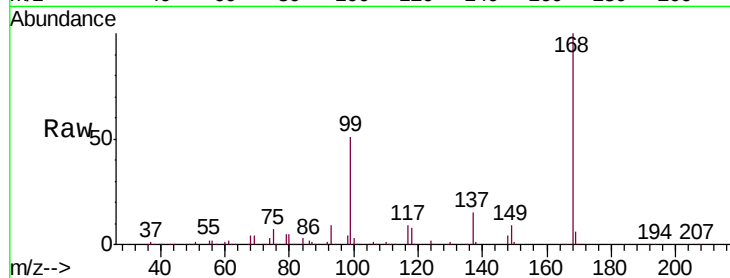
Tgt Ion: 56 Resp: 6245

Ion Ratio Lower Upper

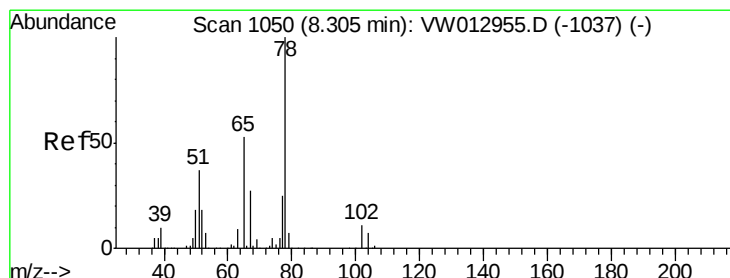
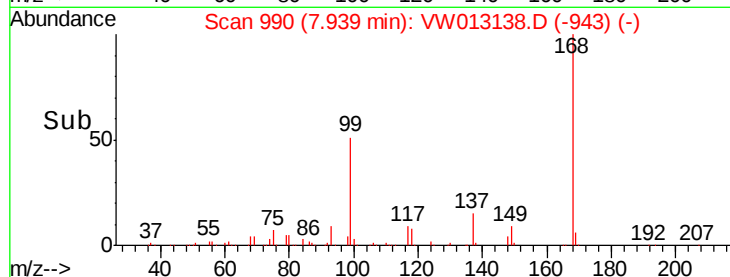
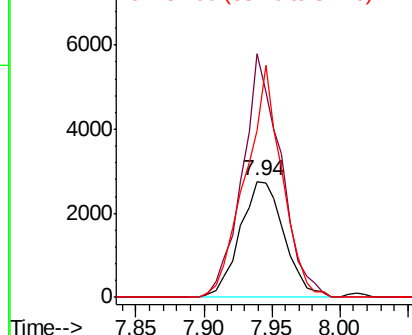
56 100

69 210.3 27.0 40.6#

84 143.5 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: 44.942 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013138.D

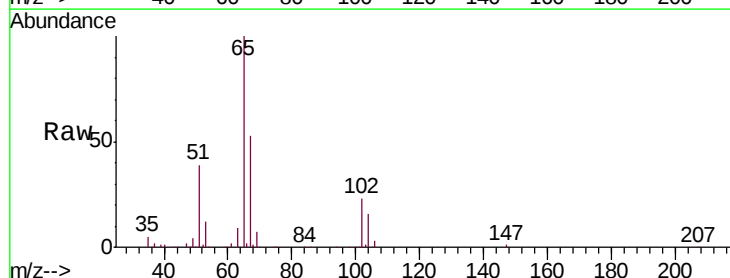
Acq: 19 Sep 2019 03:41

Tgt Ion: 65 Resp: 146580

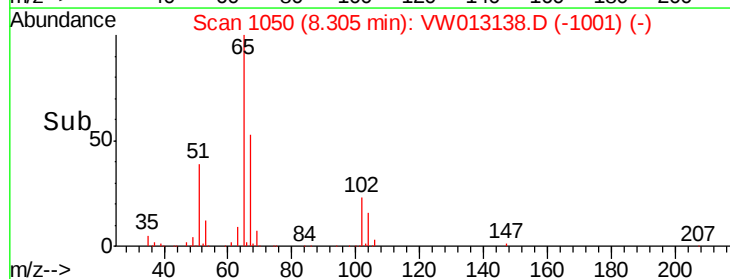
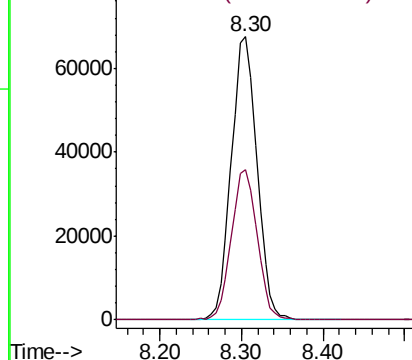
Ion Ratio Lower Upper

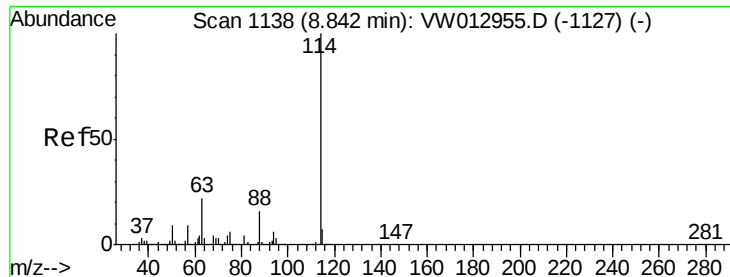
65 100

67 53.4 0.0 101.2



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

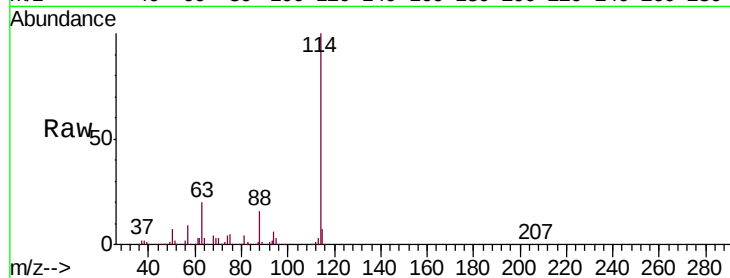




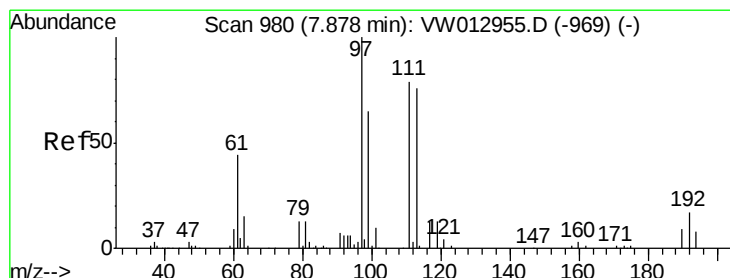
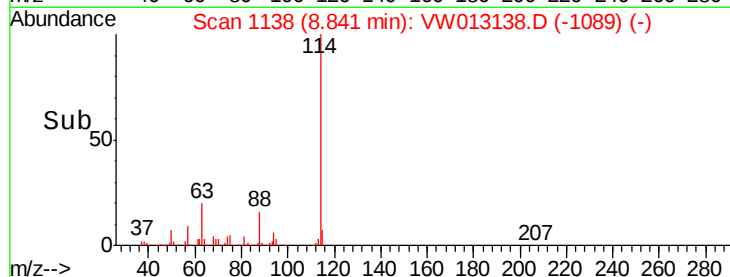
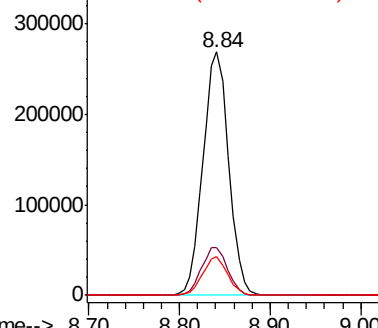
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013138.D
 Acq: 19 Sep 2019 03:41

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-45-6.5-7.0

Tgt Ion:114 Resp: 529935
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 43.4
 88 16.1 0.0 31.6

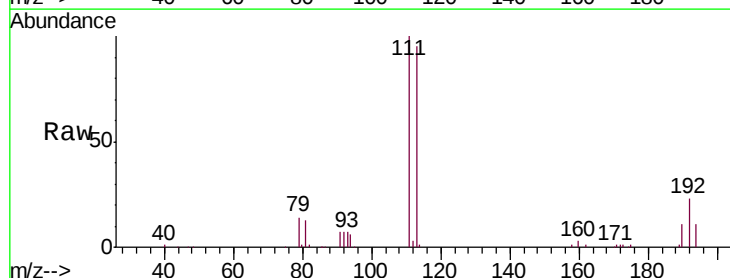


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

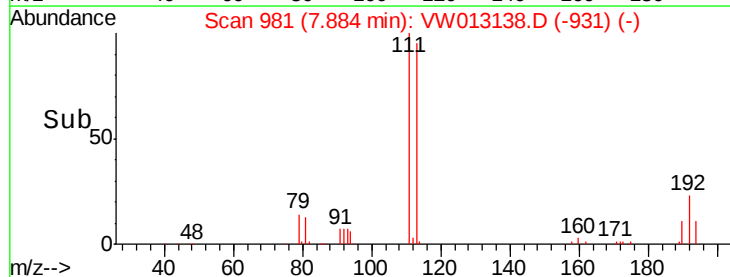
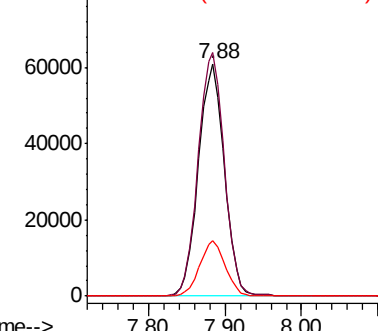


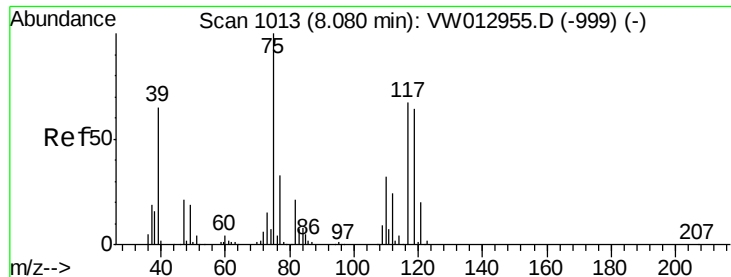
#35
 Dibromofluoromethane
 Concen: 49.813 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013138.D
 Acq: 19 Sep 2019 03:41

Tgt Ion:113 Resp: 143236
 Ion Ratio Lower Upper
 113 100
 111 105.2 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: 5.559 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013138.D

Acq: 19 Sep 2019 03:41

Instrument :

MSVOA_W

ClientSampleId :

SB-45-6.5-7.0

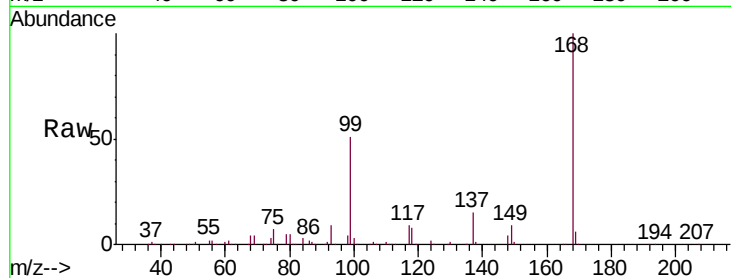
Tgt Ion: 75 Resp: 23542

Ion Ratio Lower Upper

75 100

110 8.4 16.4 49.1#

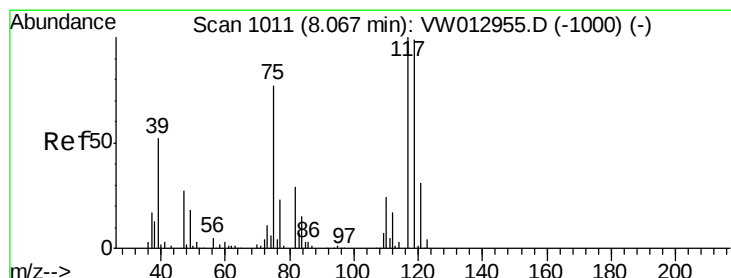
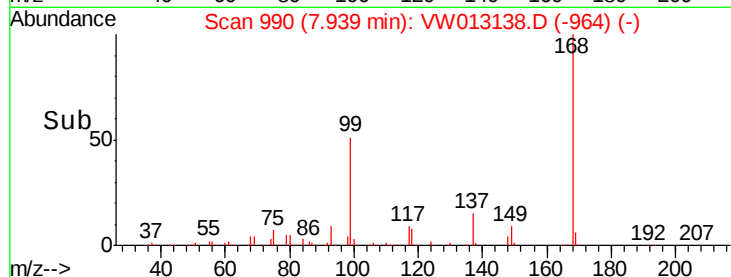
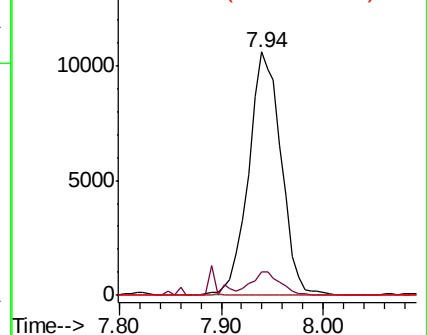
77 0.0 25.1 37.7#



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: 6.975 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013138.D

Acq: 19 Sep 2019 03:41

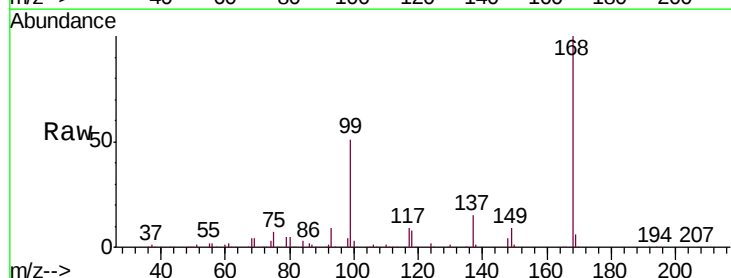
Tgt Ion: 117 Resp: 30268

Ion Ratio Lower Upper

117 100

119 5.3 79.4 119.0#

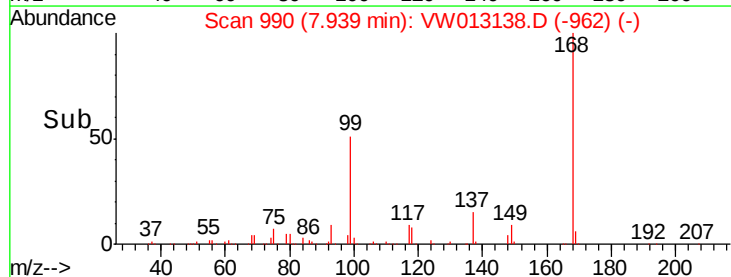
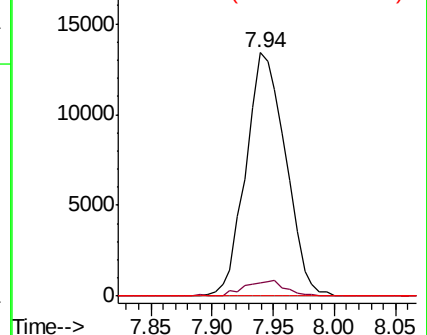
121 0.0 24.6 36.8#

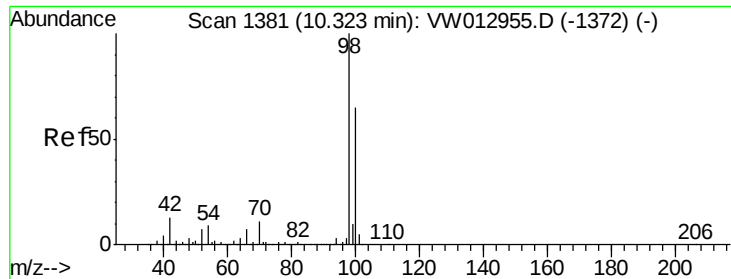


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 54.636 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013138.D

Acq: 19 Sep 2019 03:41

Instrument :

MSVOA_W

ClientSampleId :

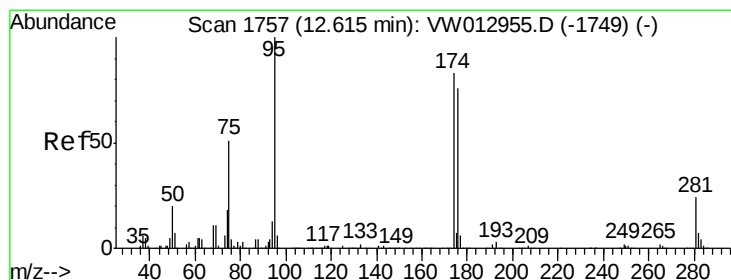
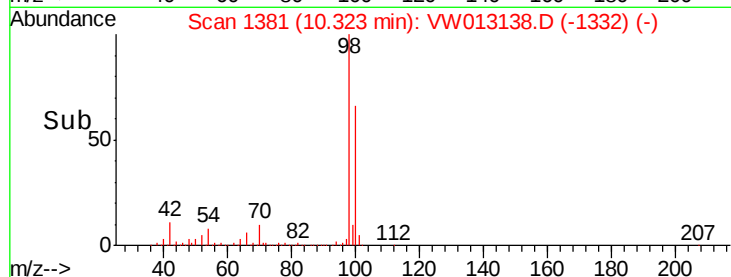
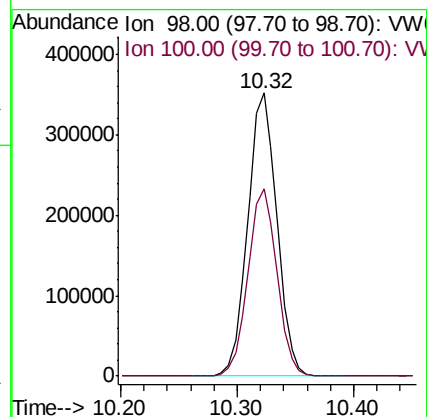
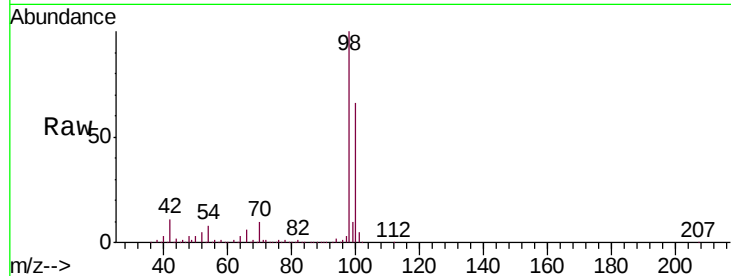
SB-45-6.5-7.0

Tgt Ion: 98 Resp: 614775

Ion Ratio Lower Upper

98 100

100 66.0 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 47.188 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013138.D

Acq: 19 Sep 2019 03:41

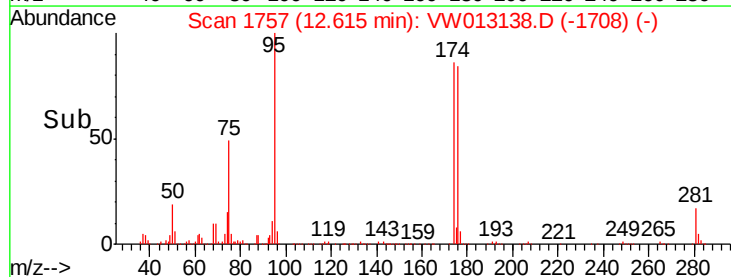
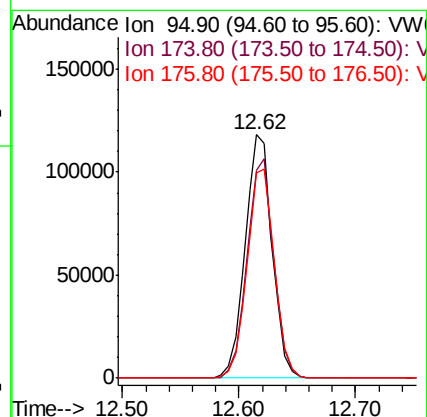
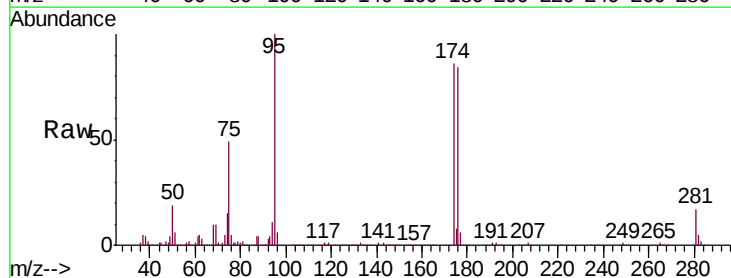
Tgt Ion: 95 Resp: 190924

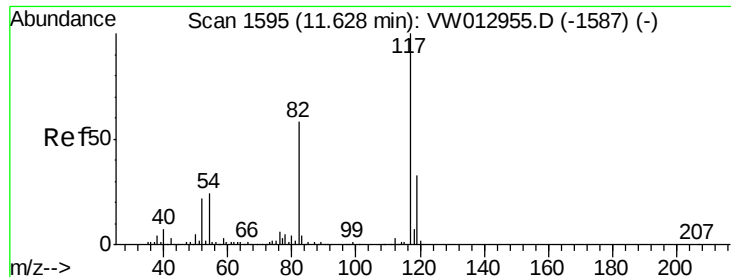
Ion Ratio Lower Upper

95 100

174 89.0 0.0 170.4

176 86.9 0.0 164.6

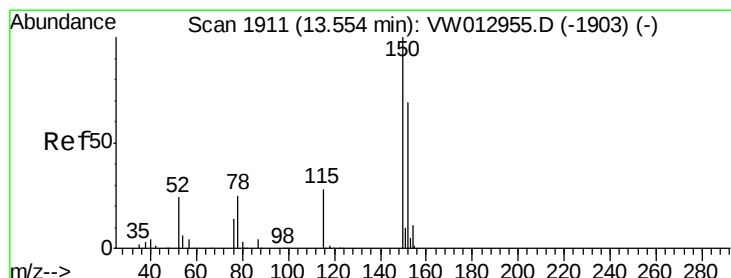
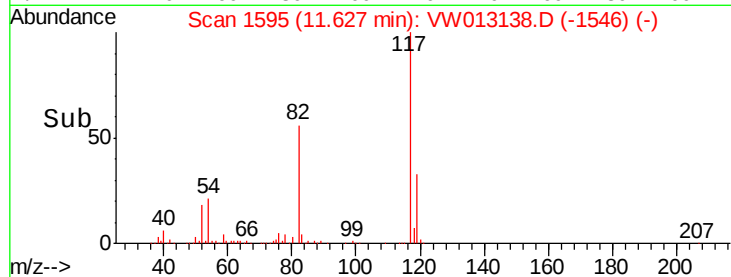
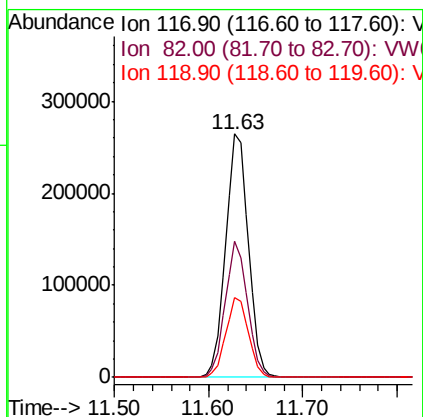
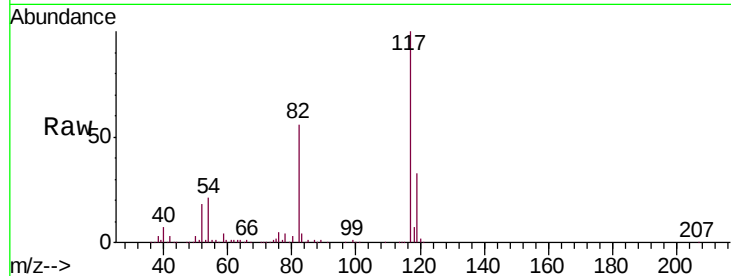




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013138.D
Acq: 19 Sep 2019 03:41

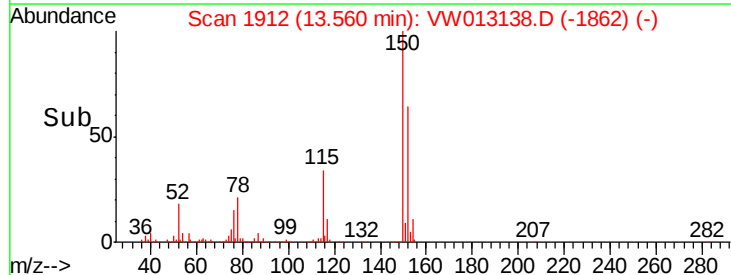
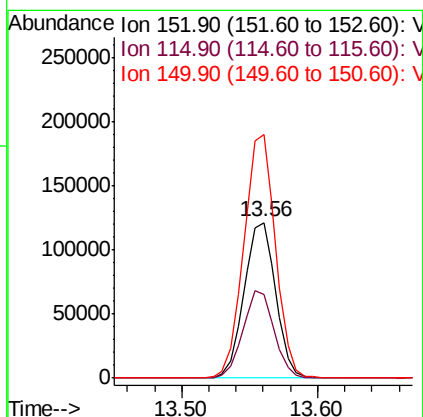
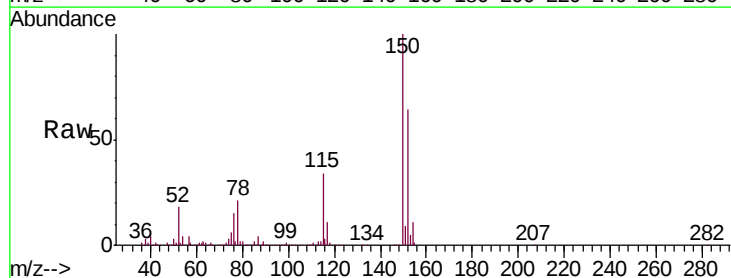
Instrument :
MSVOA_W
ClientSampleId :
SB-45-6.5-7.0

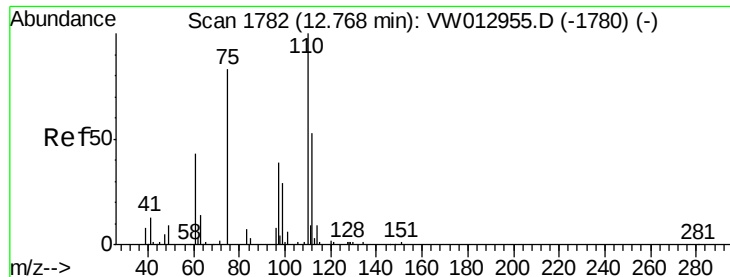
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.7	46.3	69.5
119	32.9	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013138.D
Acq: 19 Sep 2019 03:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.8	86.4
150	156.3	0.0	340.2





#76

1,2,3-Trichloropropane

Concen: 53.114 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013138.D

Acq: 19 Sep 2019 03:41

Instrument :

MSVOA_W

ClientSampleId :

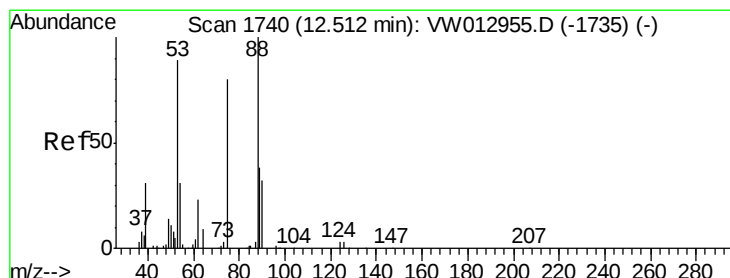
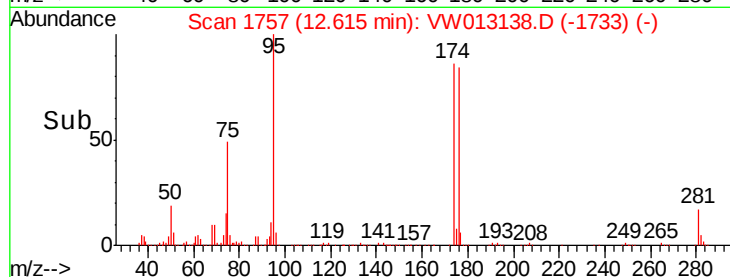
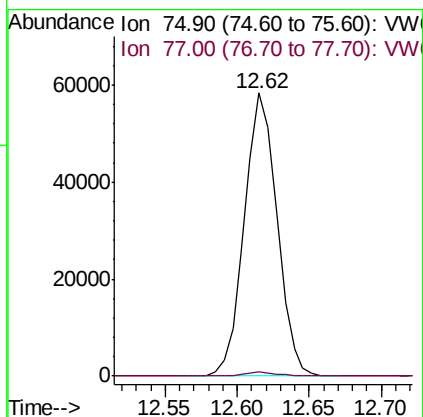
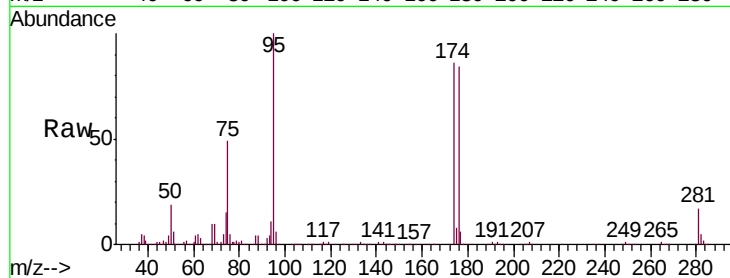
SB-45-6.5-7.0

Tgt Ion: 75 Resp: 91748

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 120.488 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013138.D

Acq: 19 Sep 2019 03:41

Tgt Ion: 75 Resp: 91748

Ion Ratio Lower Upper

75 100

53 0.1 85.6 128.4#

89 0.3 37.2 55.8#

