

Data File : VW013108.D
Acq On : 18 Sep 2019 13:01
Operator : SY/VA
Sample : K4847-11
Misc : 4.97G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-35-5.5-6.0

Quant Time: Sep 19 07:53:41 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	321056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	482939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	393742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	168160	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	133828	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
35) Dibromofluoromethane	7.88	113	131974	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
50) Toluene-d8	10.32	98	551725	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
62) 4-Bromofluorobenzene	12.61	95	169779	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	

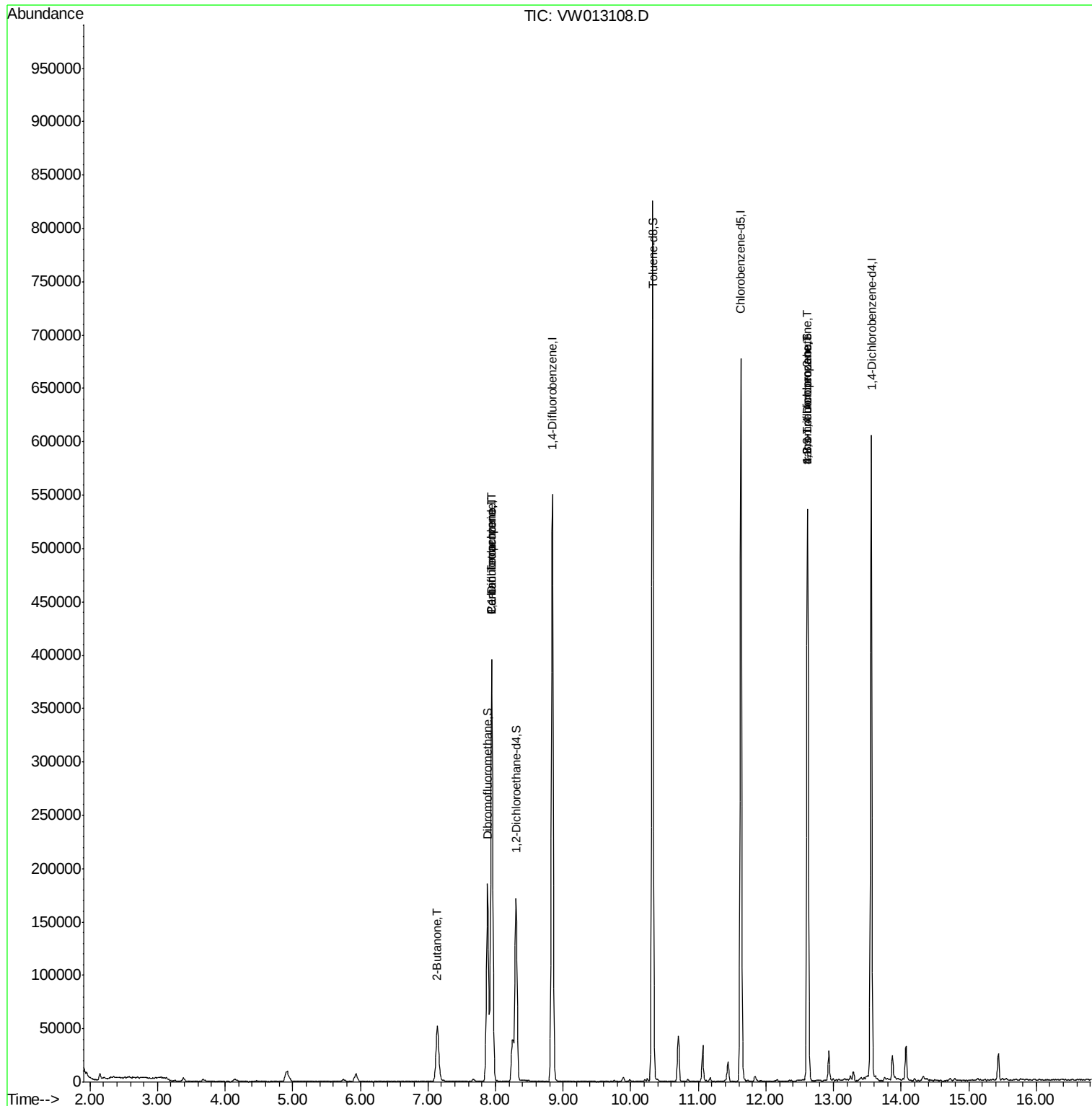
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	388	Below Cal		81
3) Chloromethane	2.20	50	291	Below Cal		91
11) Tert butyl alcohol	5.18	59	310	Below Cal	#	72
13) Acrolein	3.90	56	43	Below Cal	#	15
16) Acetone	4.15	43	4913	Below Cal		100
20) Methylene Chloride	4.92	84	8417	Below Cal	#	85
25) 2-Butanone	7.13	43	2587	2.744 ug/l	#	90
26) 2,2-Dichloropropane	7.15	77	3490	Below Cal	#	55
31) Cyclohexane	7.95	56	5517	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	21882	5.670 ug/l	#	50
38) Carbon Tetrachloride	7.95	117	28584	7.228 ug/l	#	15
76) 1,2,3-Trichloropropane	12.61	75	82197	55.804 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.61	75	82197	126.591 ug/l	#	7

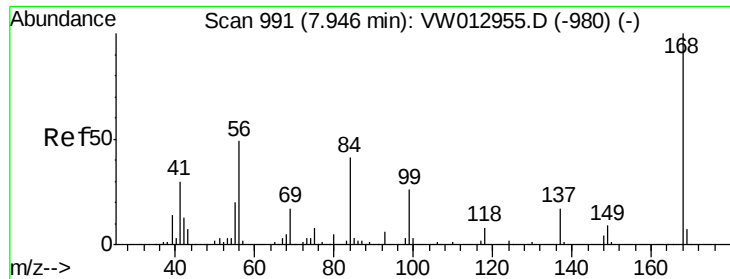
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013108.D

Acq: 18 Sep 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

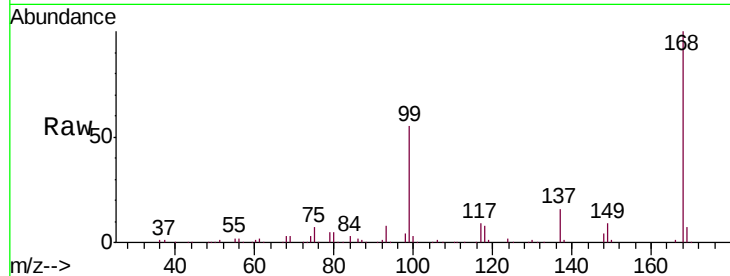
SB-35-5.5-6.0

Tgt Ion:168 Resp: 321056

Ion Ratio Lower Upper

168 100

99 54.5 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

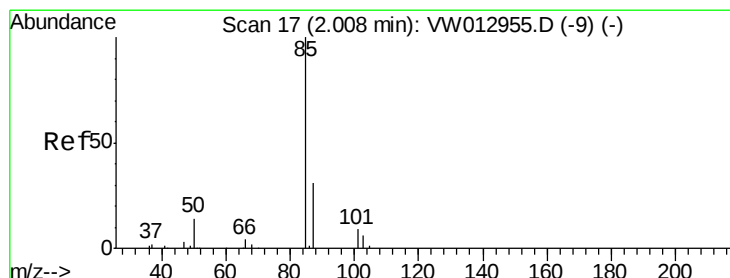
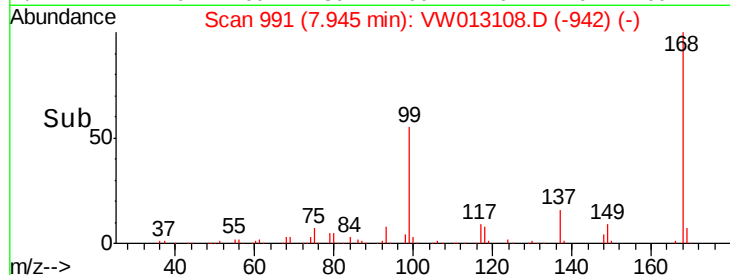
100000

50000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013108.D

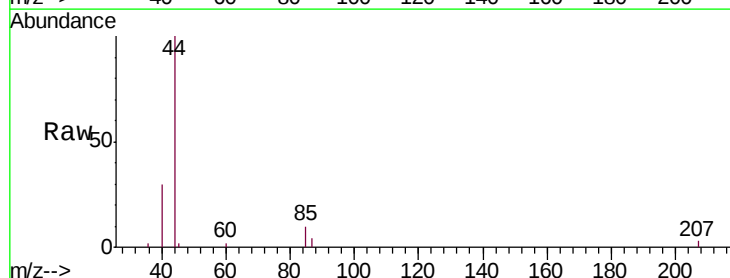
Acq: 18 Sep 2019 13:01

Tgt Ion: 85 Resp: 388

Ion Ratio Lower Upper

85 100

87 41.3 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

300

250

200

150

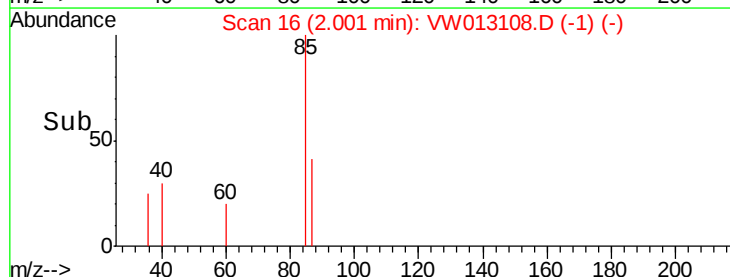
100

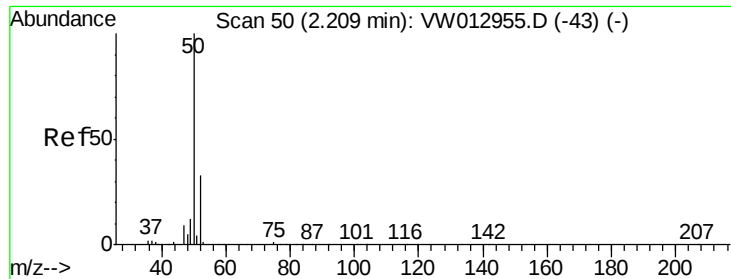
50

0

Time-->

1.95 2.00 2.05





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013108.D

Acq: 18 Sep 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

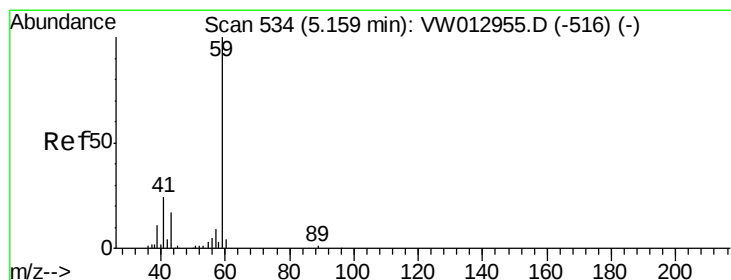
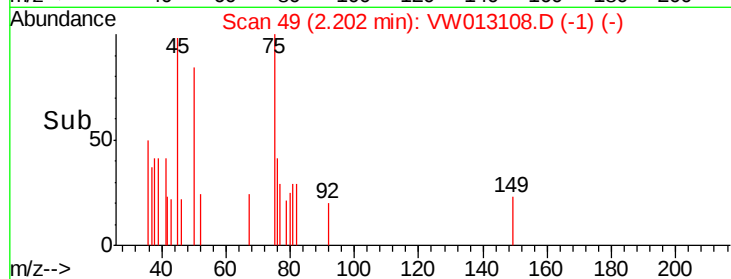
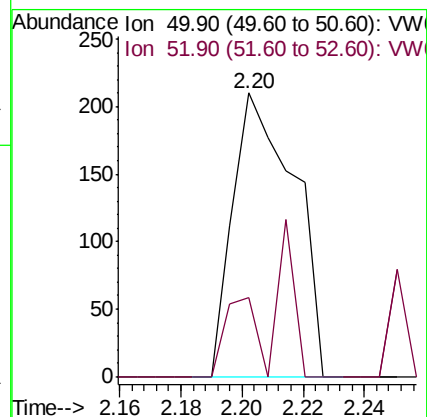
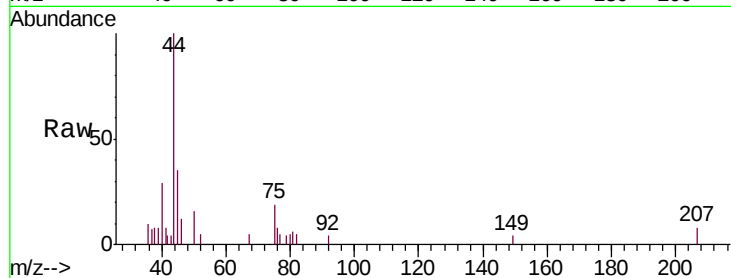
SB-35-5.5-6.0

Tgt Ion: 50 Resp: 291

Ion Ratio Lower Upper

50 100

52 28.1 26.6 39.8



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW013108.D

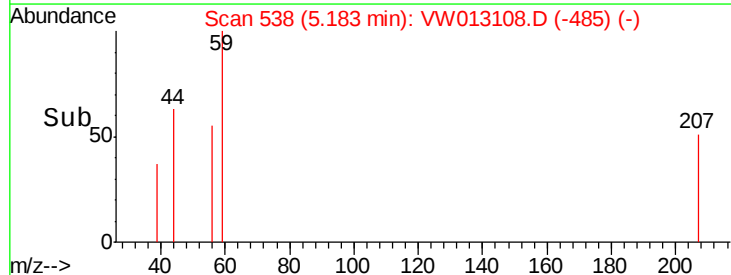
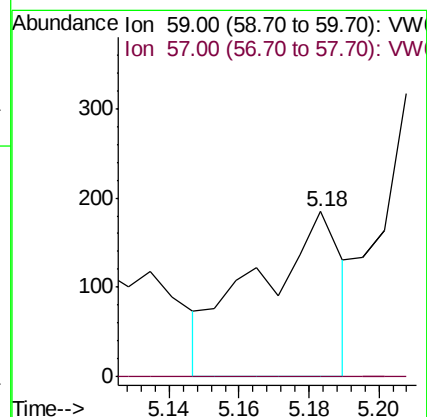
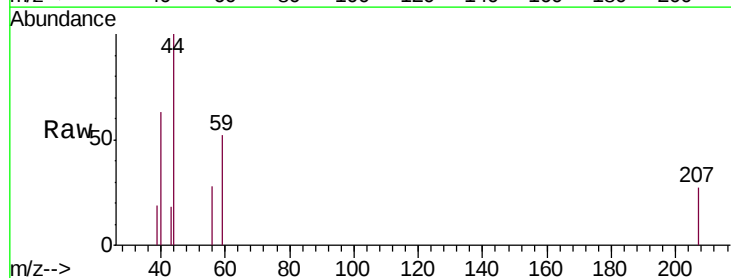
Acq: 18 Sep 2019 13:01

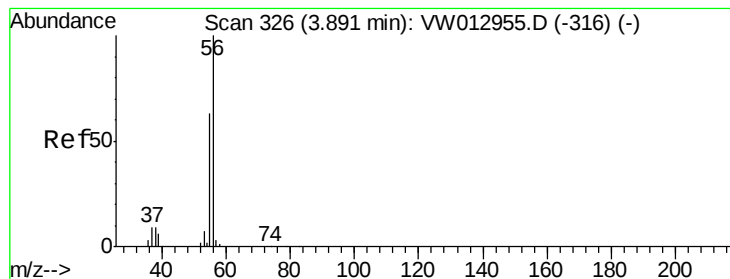
Tgt Ion: 59 Resp: 310

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013108.D

Acq: 18 Sep 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

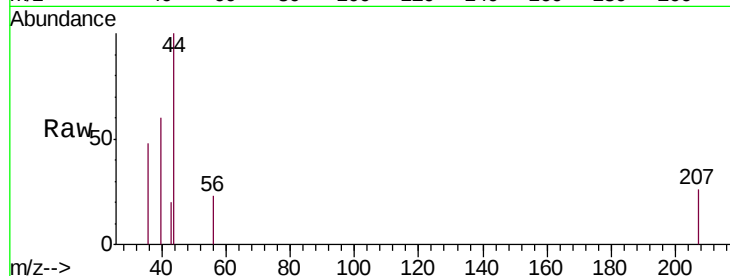
SB-35-5.5-6.0

Tgt Ion: 56 Resp: 43

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.90

60

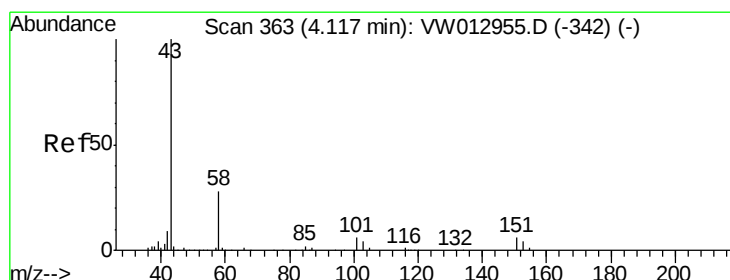
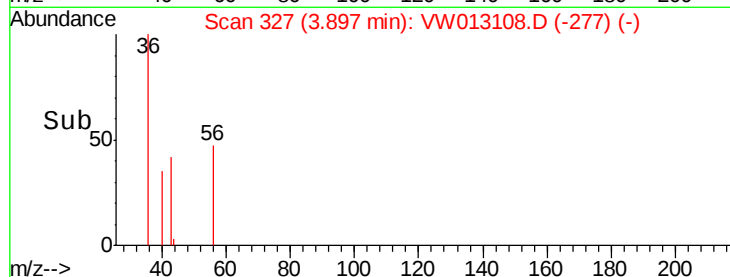
40

20

0

Time-->

3.88 3.90 3.92



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 369

Delta R.T. 0.04 min

Lab File: VW013108.D

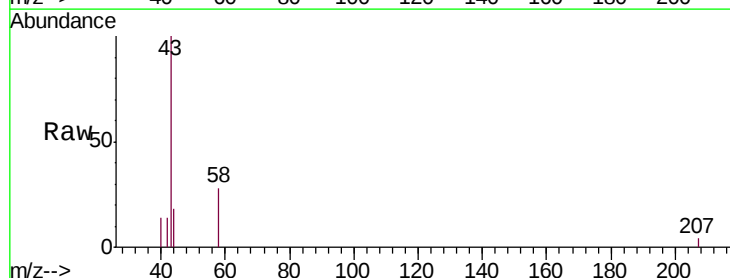
Acq: 18 Sep 2019 13:01

Tgt Ion: 43 Resp: 4913

Ion Ratio Lower Upper

43 100

58 27.9 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

1500

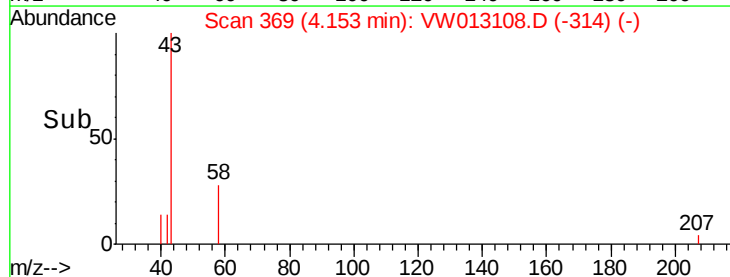
1000

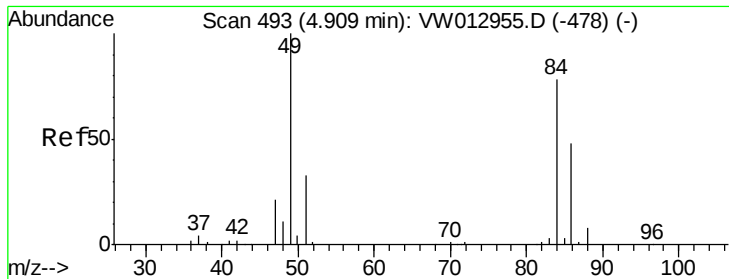
500

0

Time-->

4.05 4.10 4.15 4.20 4.25

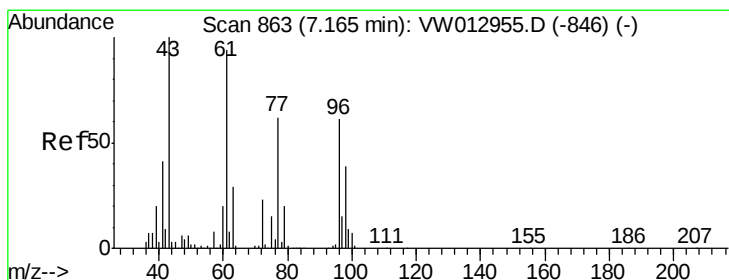
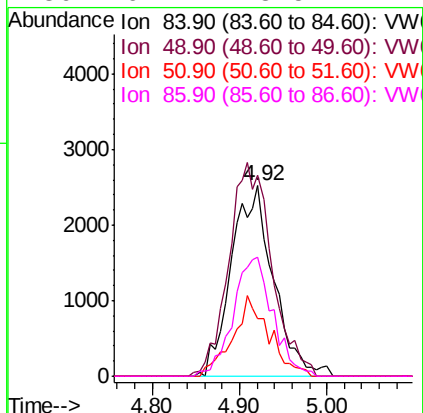
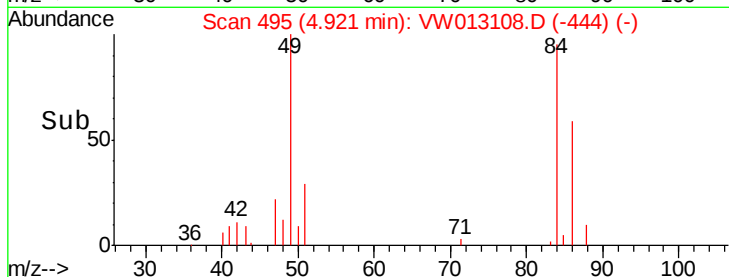
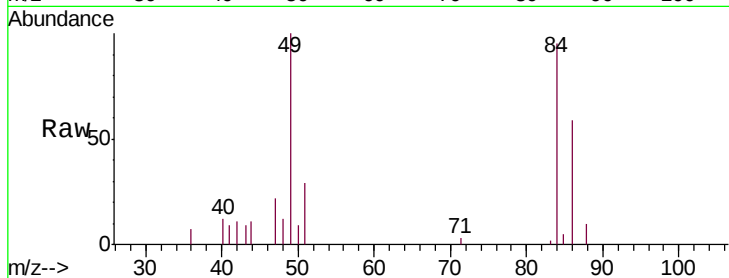




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW013108.D
Acq: 18 Sep 2019 13:01

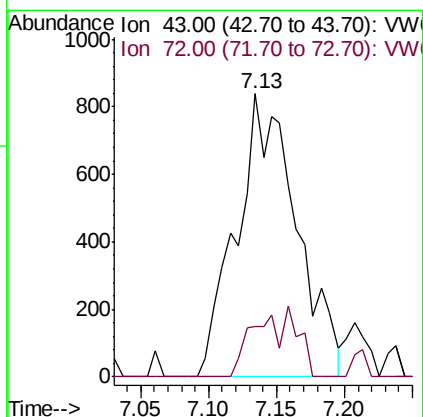
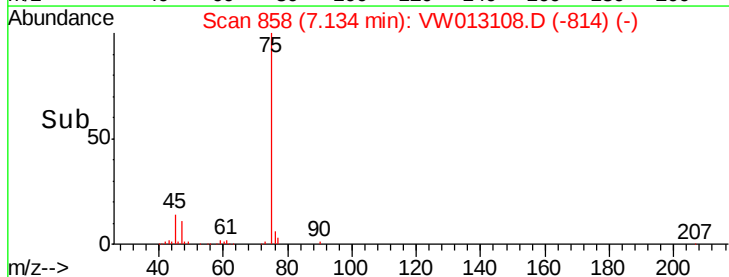
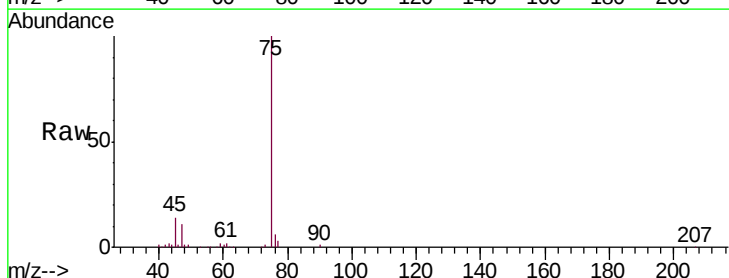
Instrument :
MSVOA_W
ClientSampleId :
SB-35-5.5-6.0

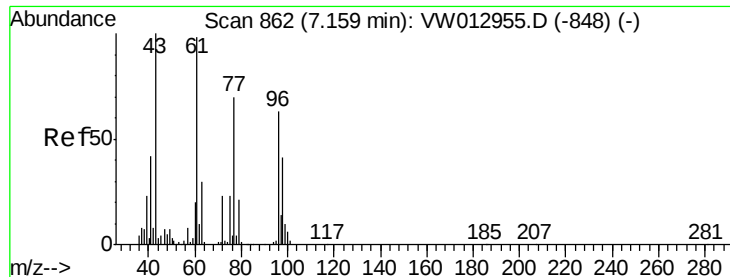
Tgt Ion: 84 Resp: 8417
Ion Ratio Lower Upper
84 100
49 105.6 102.0 153.0
51 30.5 34.0 51.0#
86 62.7 48.5 72.7



#25
2-Butanone
Concen: 2.744 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: VW013108.D
Acq: 18 Sep 2019 13:01

Tgt Ion: 43 Resp: 2587
Ion Ratio Lower Upper
43 100
72 17.8 18.2 27.4#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW013108.D

Acq: 18 Sep 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

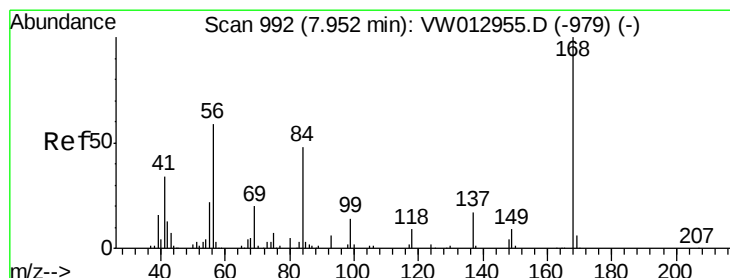
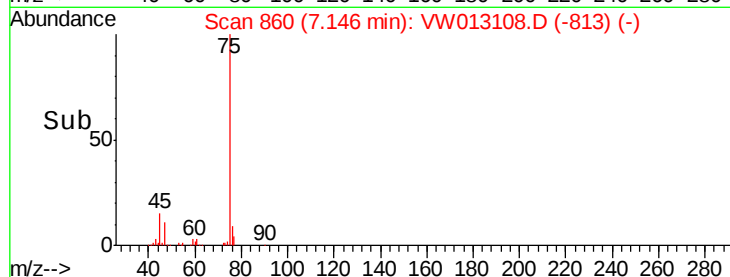
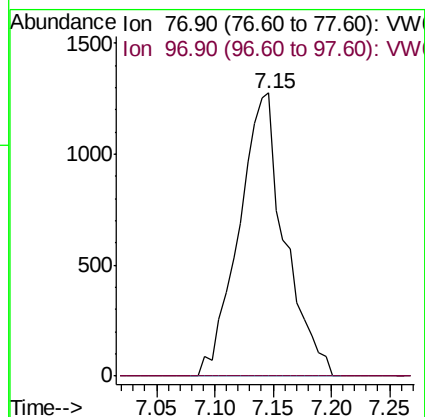
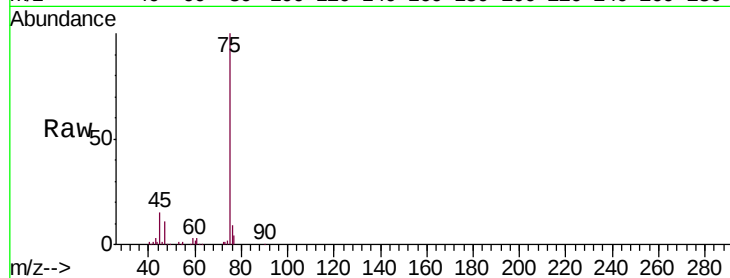
SB-35-5.5-6.0

Tgt Ion: 77 Resp: 3490

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#



#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013108.D

Acq: 18 Sep 2019 13:01

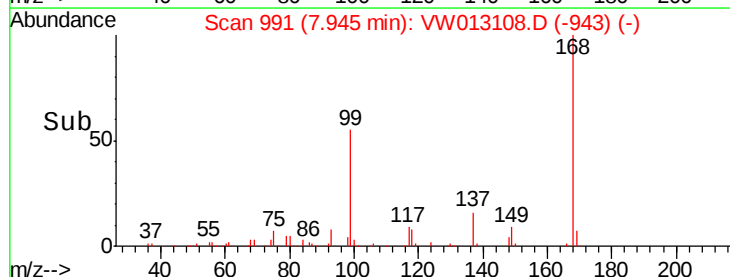
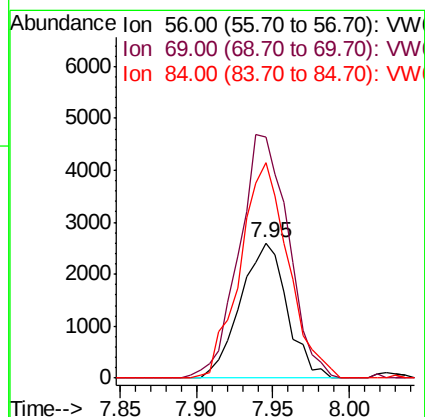
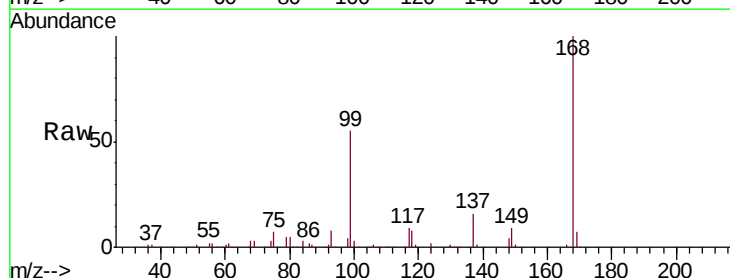
Tgt Ion: 56 Resp: 5517

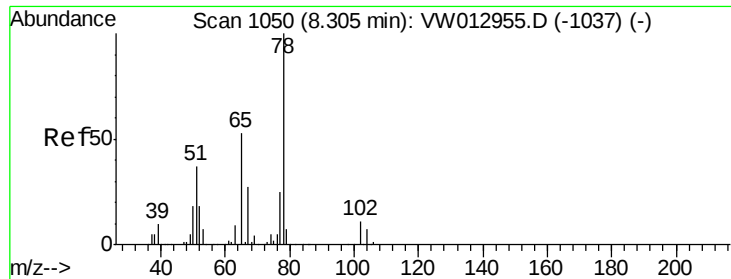
Ion Ratio Lower Upper

56 100

69 178.1 27.0 40.6#

84 159.6 66.2 99.2#

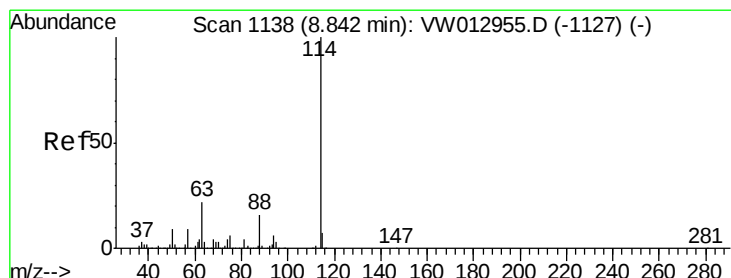
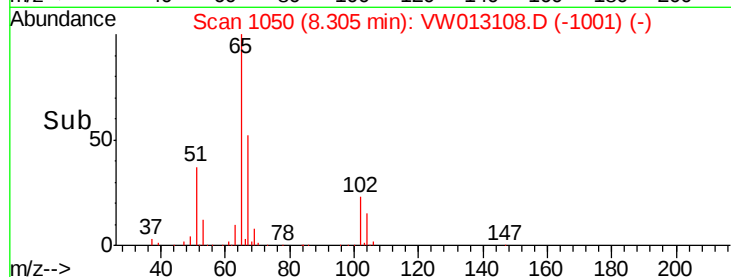
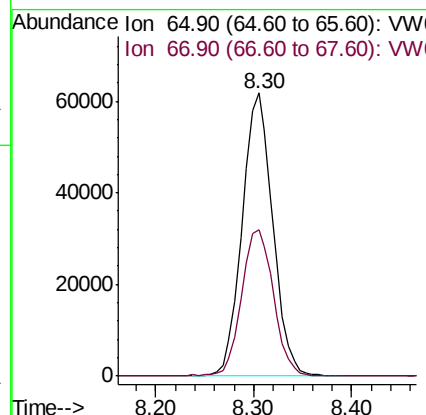
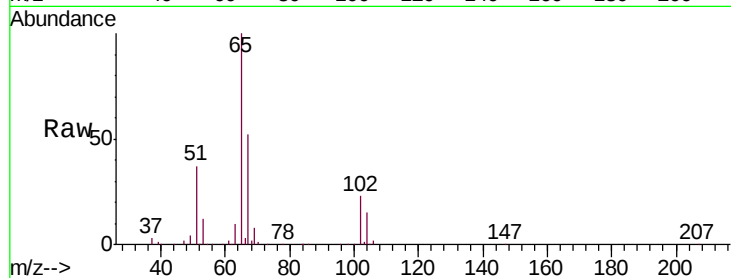




#33
 1,2-Dichloroethane-d4
 Concen: 45.133 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013108.D
 Acq: 18 Sep 2019 13:01

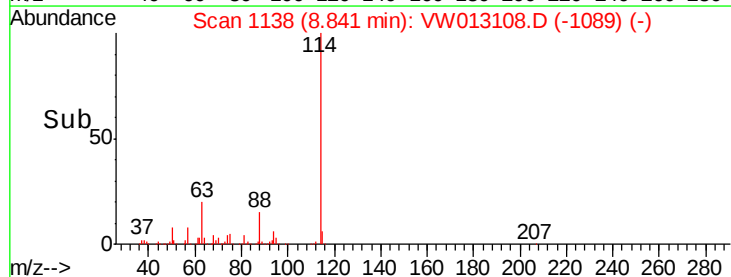
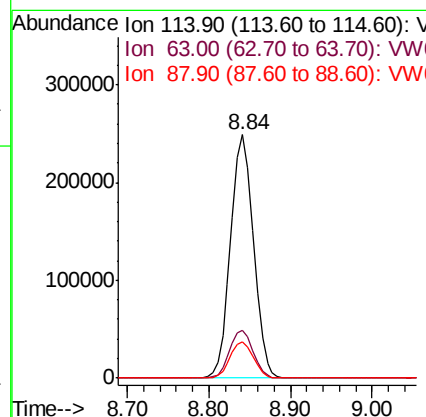
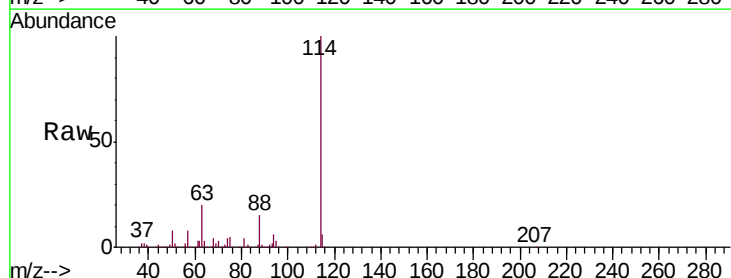
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-35-5.5-6.0

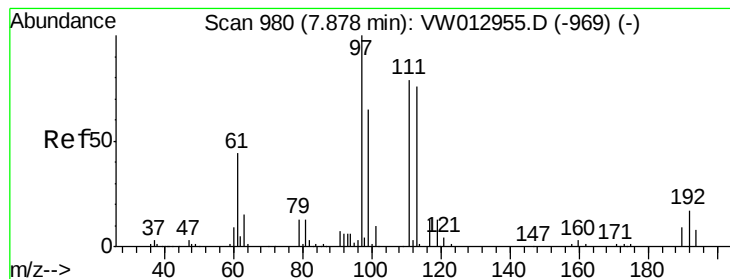
Tgt Ion: 65 Resp: 133828
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013108.D
 Acq: 18 Sep 2019 13:01

Tgt Ion: 114 Resp: 482939
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 43.4
 88 15.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.362 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013108.D

Acq: 18 Sep 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

SB-35-5.5-6.0

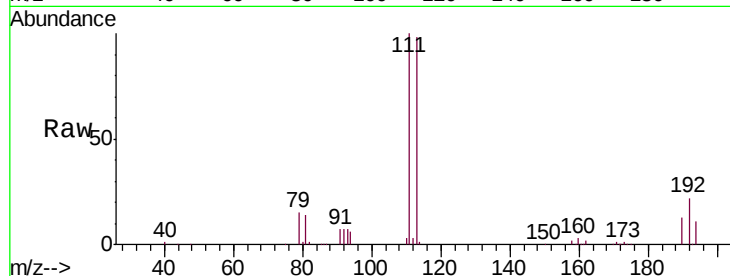
Tgt Ion:113 Resp: 131974

Ion Ratio Lower Upper

113 100

111 104.6 82.8 124.2

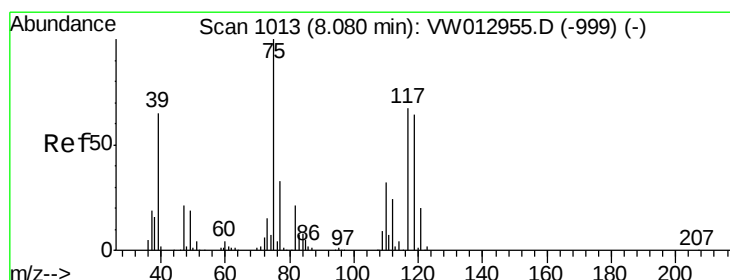
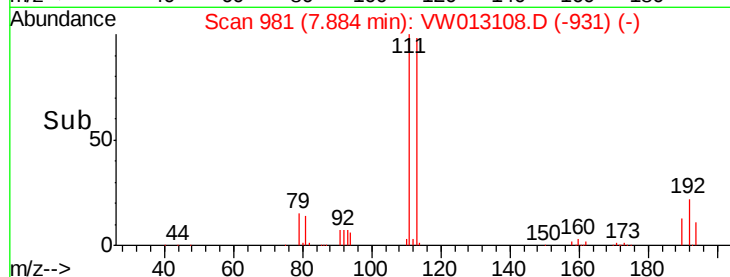
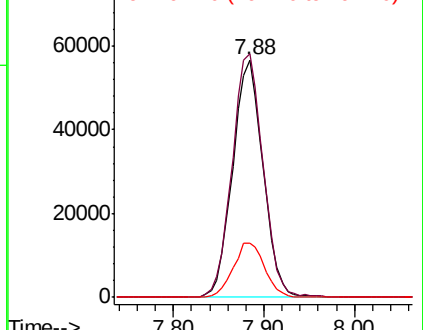
192 23.6 17.8 26.8



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: 5.670 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013108.D

Acq: 18 Sep 2019 13:01

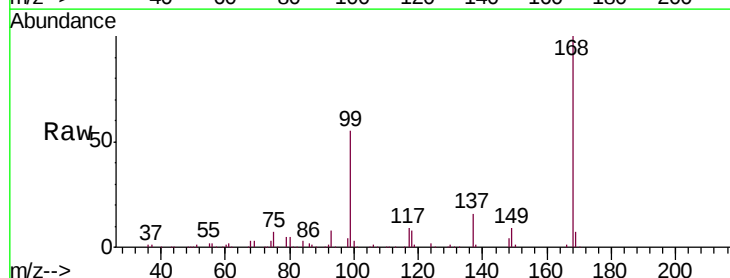
Tgt Ion: 75 Resp: 21882

Ion Ratio Lower Upper

75 100

110 7.9 16.4 49.1#

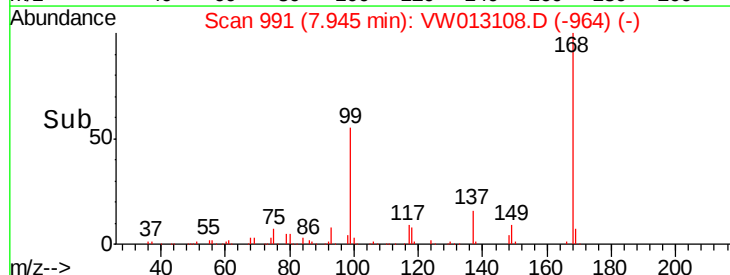
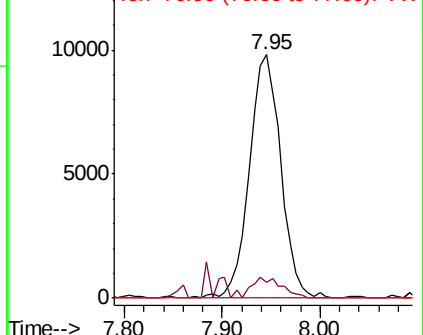
77 0.0 25.1 37.7#

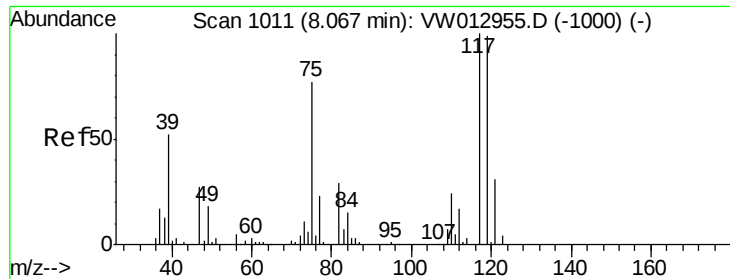


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

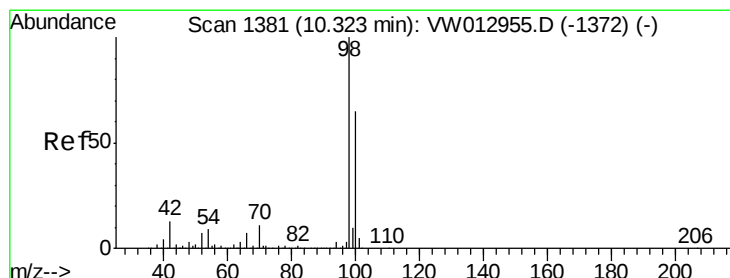
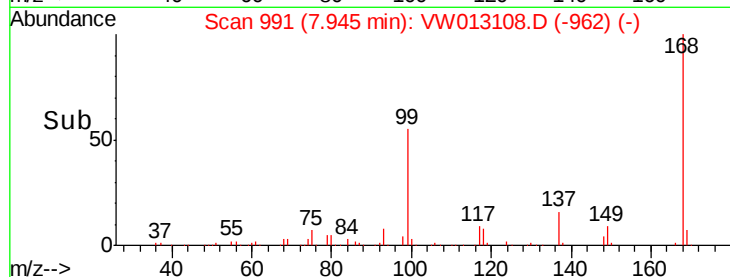
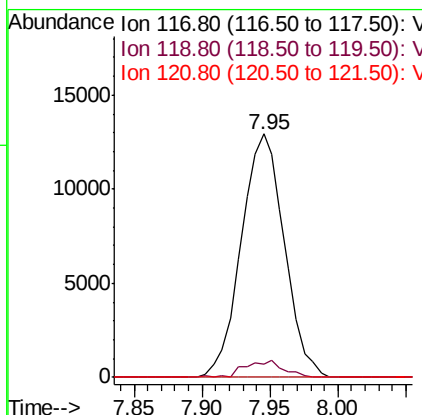
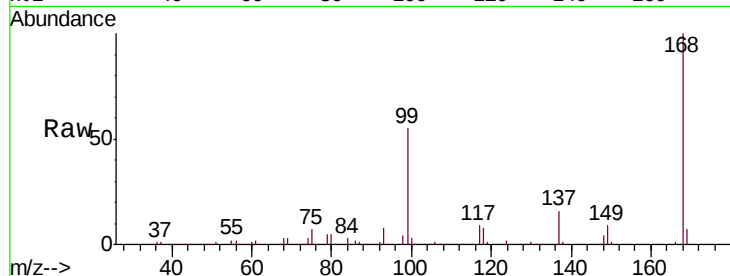




#38
Carbon Tetrachloride
Concen: 7.228 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013108.D
Acq: 18 Sep 2019 13:01

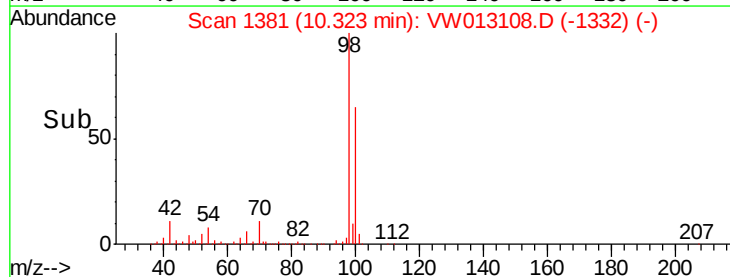
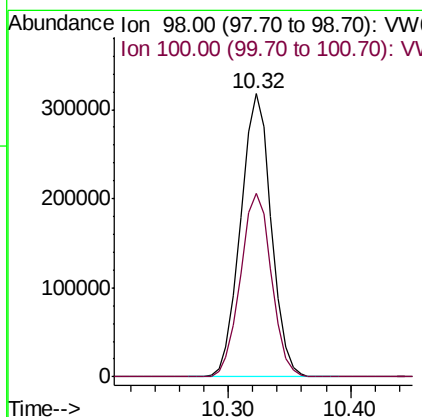
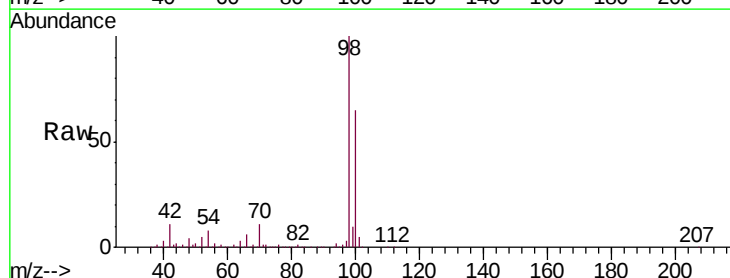
Instrument :
MSVOA_W
ClientSampleId :
SB-35-5.5-6.0

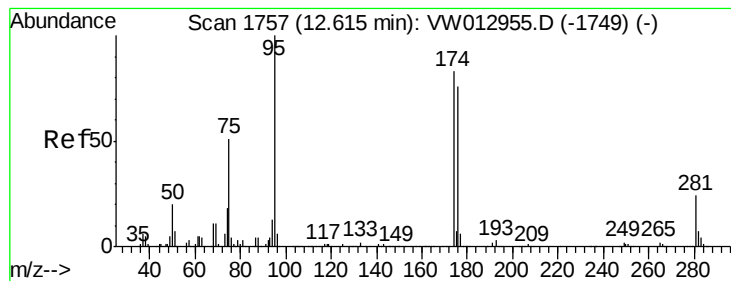
Tgt Ion: 117 Resp: 28584
Ion Ratio Lower Upper
117 100
119 5.6 79.4 119.0#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 53.805 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013108.D
Acq: 18 Sep 2019 13:01

Tgt Ion: 98 Resp: 551725
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 46.045 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013108.D

Acq: 18 Sep 2019 13:01

Instrument :

MSVOA_W

ClientSampled :

SB-35-5.5-6.0

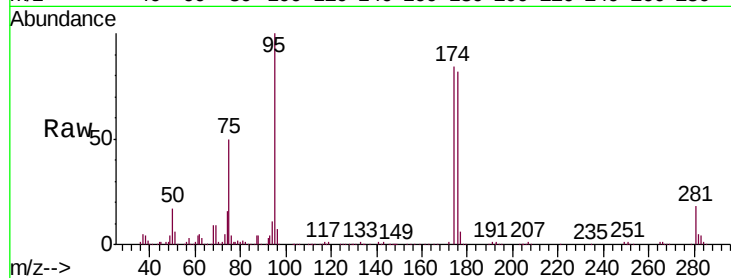
Tgt Ion: 95 Resp: 169779

Ion Ratio Lower Upper

95 100

174 88.2 0.0 170.4

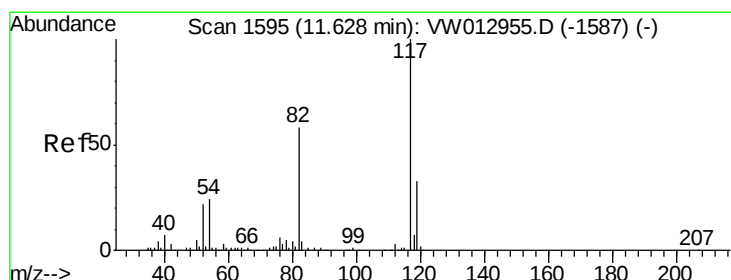
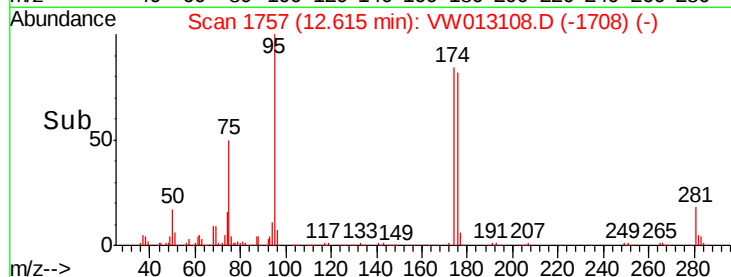
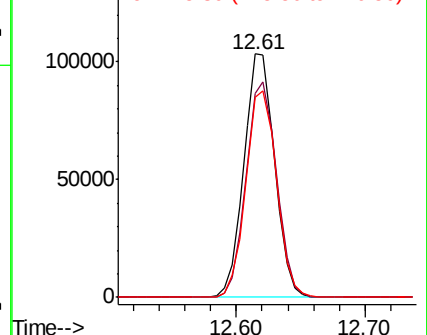
176 85.3 0.0 164.6



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# 1596

Delta R.T. 0.01 min

Lab File: VW013108.D

Acq: 18 Sep 2019 13:01

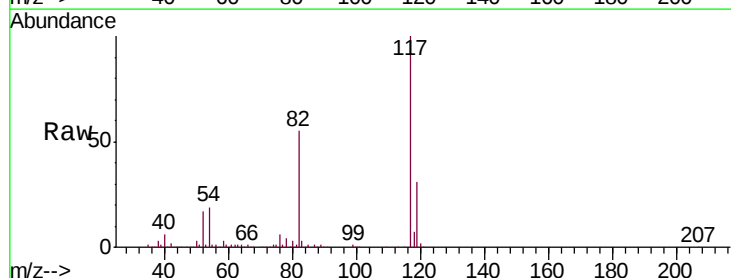
Tgt Ion: 117 Resp: 393742

Ion Ratio Lower Upper

117 100

82 54.5 46.3 69.5

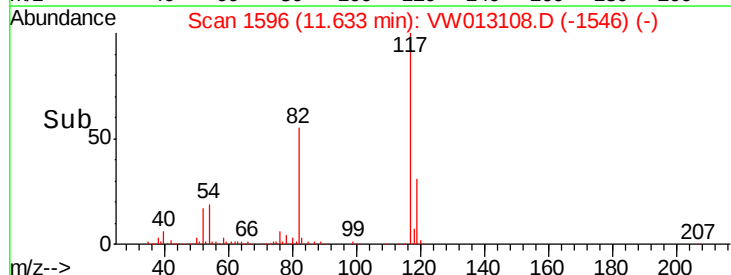
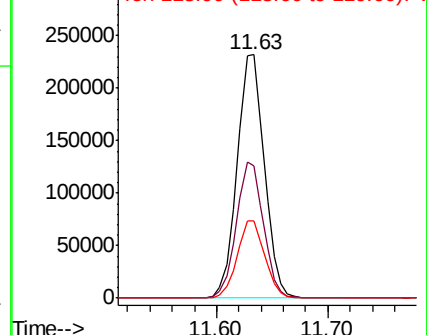
119 31.5 26.2 39.4

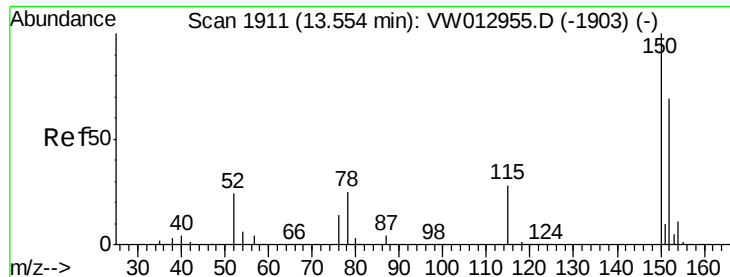


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013108.D

Acq: 18 Sep 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

SB-35-5.5-6.0

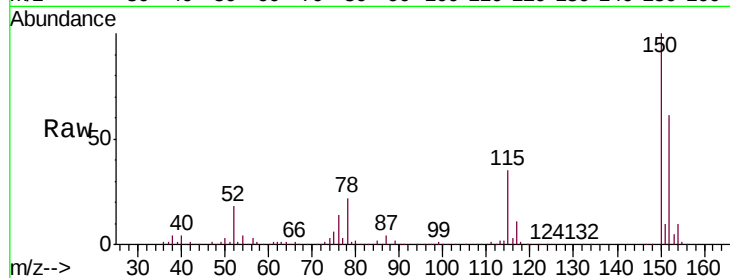
Tgt Ion:152 Resp: 168160

Ion Ratio Lower Upper

152 100

115 56.6 28.8 86.4

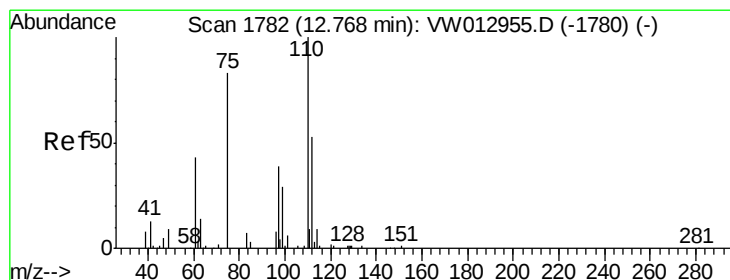
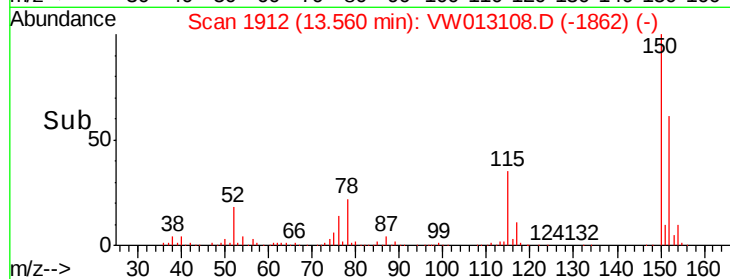
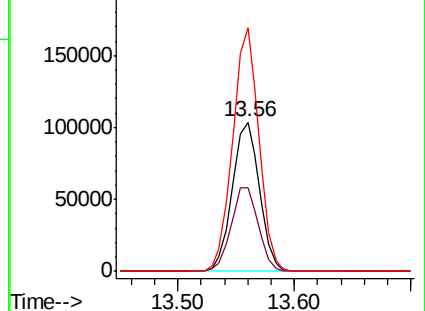
150 157.9 0.0 340.2



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: 55.804 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013108.D

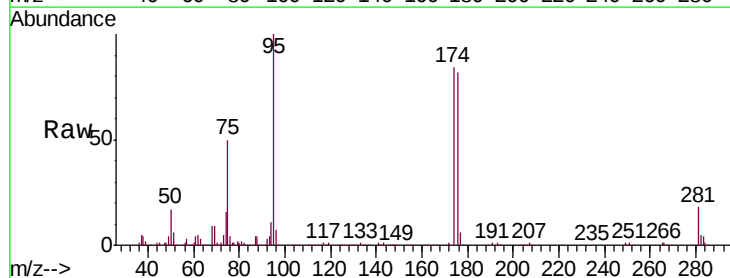
Acq: 18 Sep 2019 13:01

Tgt Ion: 75 Resp: 82197

Ion Ratio Lower Upper

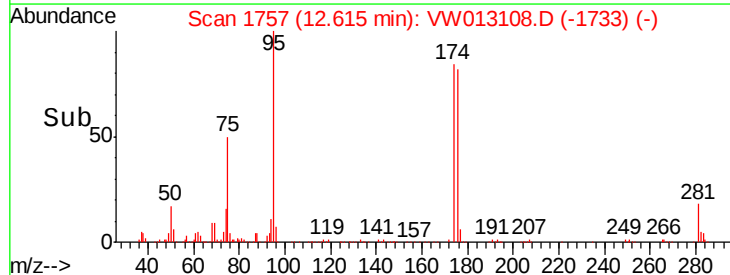
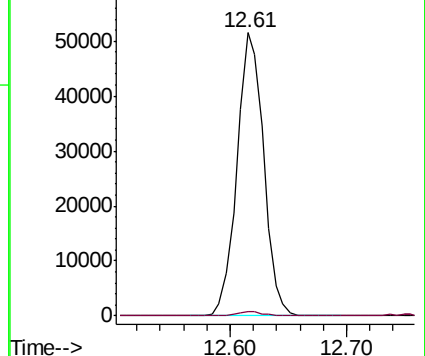
75 100

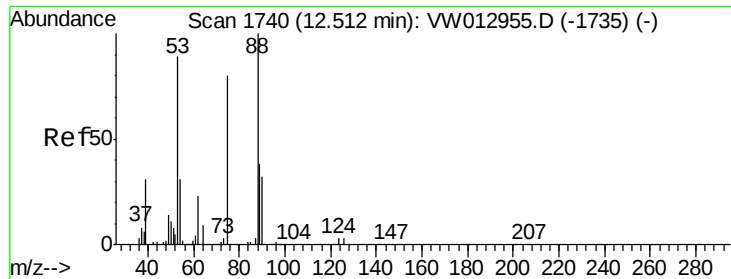
77 1.5 0.0 0.0#



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: 126.591 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013108.D

Acq: 18 Sep 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

SB-35-5.5-6.0

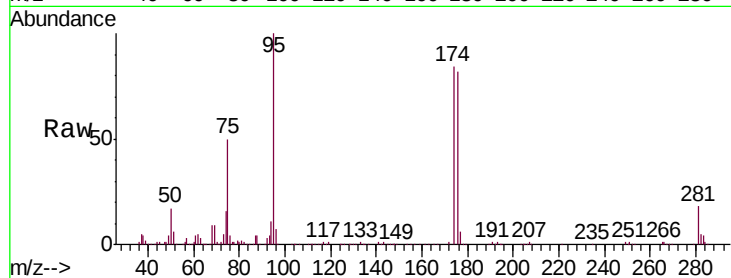
Tgt Ion: 75 Resp: 82197

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.1 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

