

Data File : VW013109.D
Acq On : 18 Sep 2019 13:27
Operator : SY/VA
Sample : K4847-13
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-37-10.5-11.0

Quant Time: Sep 19 07:54:00 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	329304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	489167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	407830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	179355	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	134946	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	
35) Dibromofluoromethane	7.88	113	136362	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	10.32	98	567168	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	
62) 4-Bromofluorobenzene	12.62	95	174683	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	

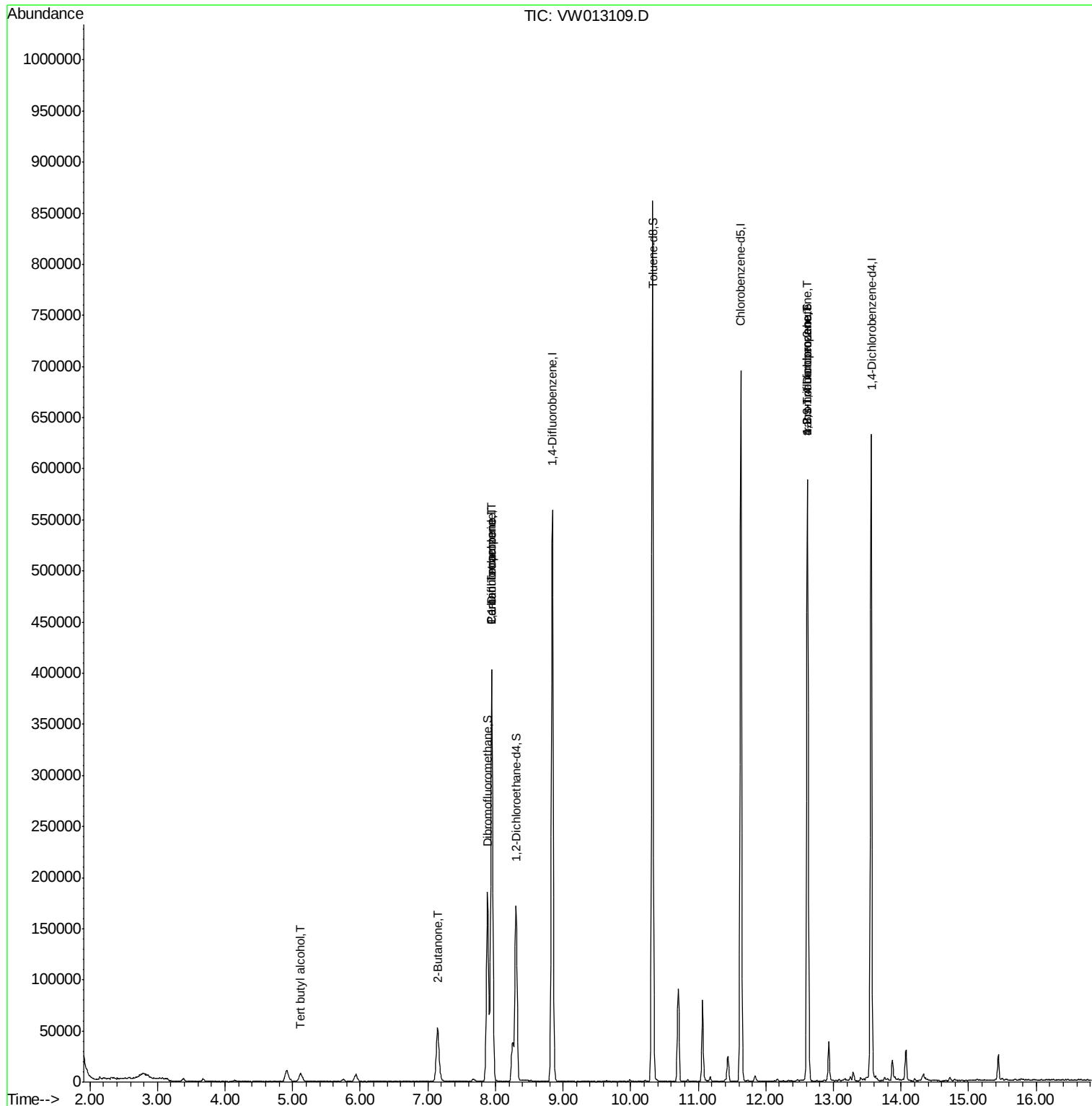
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.04	85	33	Below Cal	#	44
3) Chloromethane	2.20	50	240	Below Cal	#	41
11) Tert butyl alcohol	5.12	59	7085	14.317	ug/l #	73
13) Acrolein	3.93	56	20	Below Cal	#	15
16) Acetone	4.15	43	2528	Below Cal		100
20) Methylene Chloride	4.92	84	9285	Below Cal	#	81
25) 2-Butanone	7.15	43	2993	3.095	ug/l #	64
26) 2,2-Dichloropropane	7.14	77	3728	Below Cal	#	55
31) Cyclohexane	7.94	56	5917	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	22141	5.664	ug/l #	52
38) Carbon Tetrachloride	7.95	117	29096	7.264	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	87580	55.748	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	87580	126.462	ug/l #	7

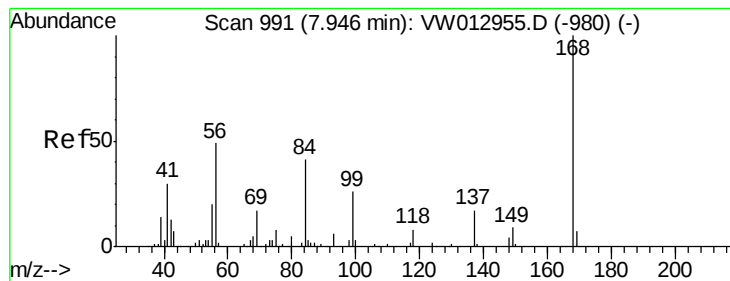
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013109.D

Acq: 18 Sep 2019 13:27

Instrument :

MSVOA_W

ClientSampleId :

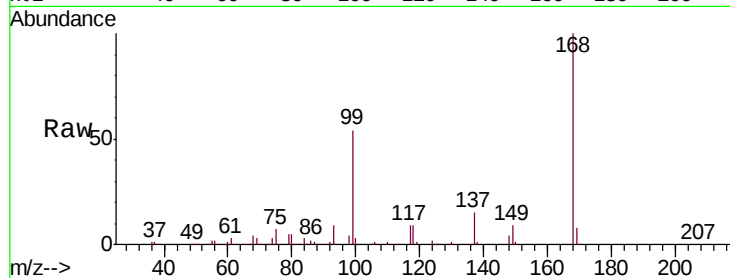
SB-37-10.5-11.0

Tgt Ion:168 Resp: 329304

Ion Ratio Lower Upper

168 100

99 53.6 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

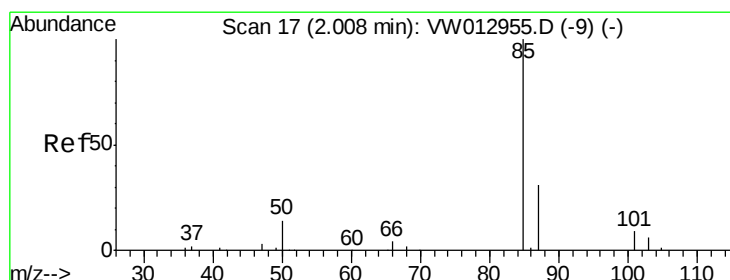
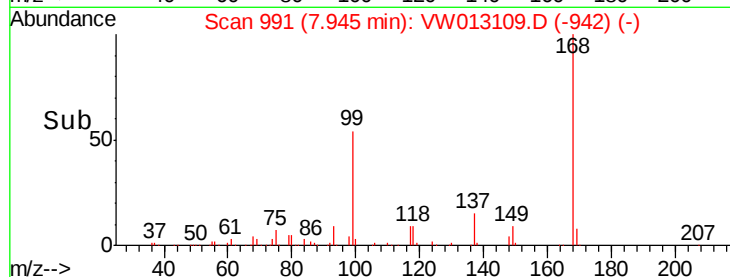
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.04 min Scan# 22

Delta R.T. 0.03 min

Lab File: VW013109.D

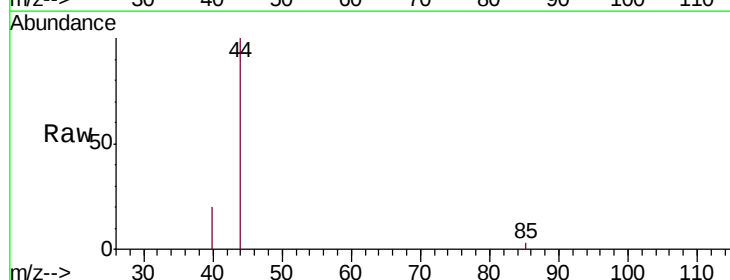
Acq: 18 Sep 2019 13:27

Tgt Ion: 85 Resp: 33

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

120

100

80

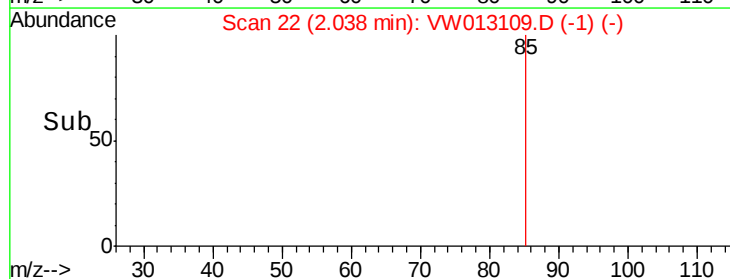
60

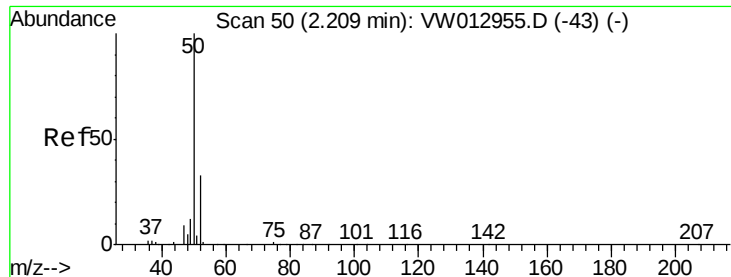
40

20

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013109.D

Acq: 18 Sep 2019 13:27

Instrument :

MSVOA_W

ClientSampleId :

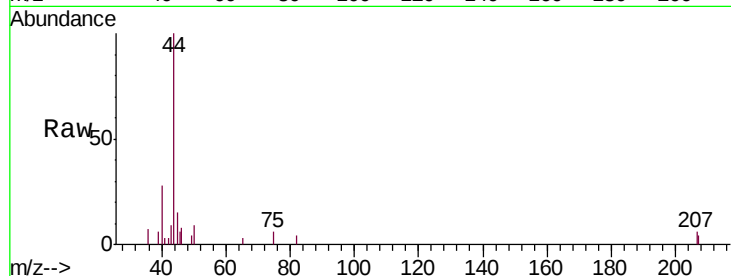
SB-37-10.5-11.0

Tgt Ion: 50 Resp: 240

Ion Ratio Lower Upper

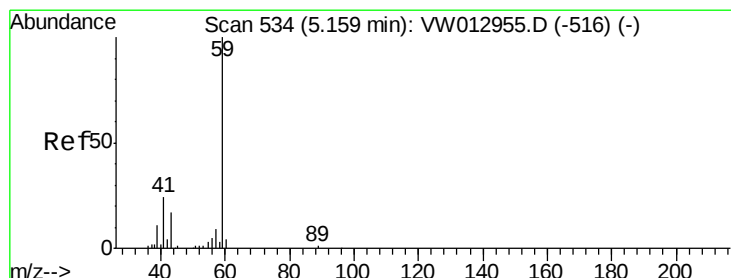
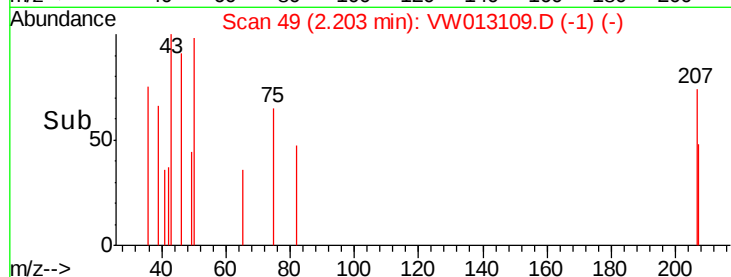
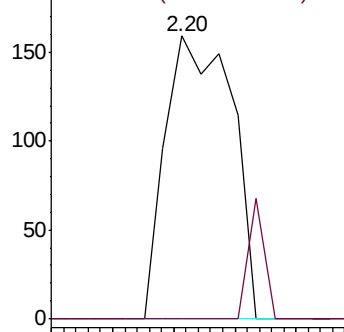
50 100

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: 14.317 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW013109.D

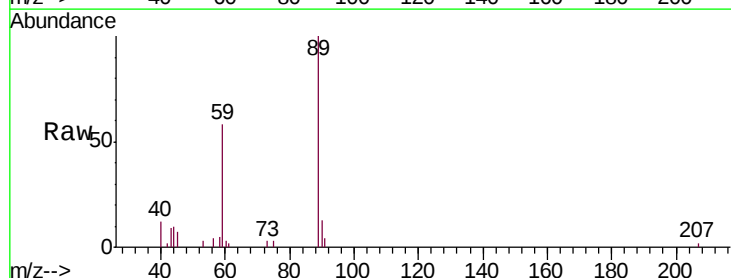
Acq: 18 Sep 2019 13:27

Tgt Ion: 59 Resp: 7085

Ion Ratio Lower Upper

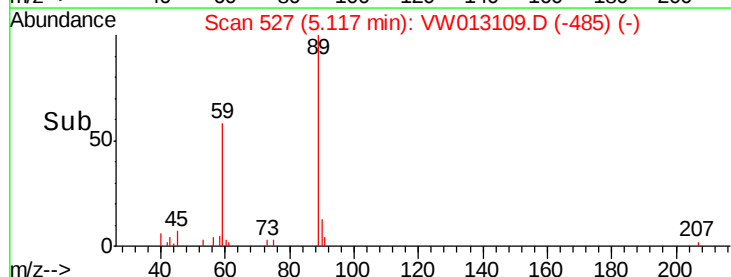
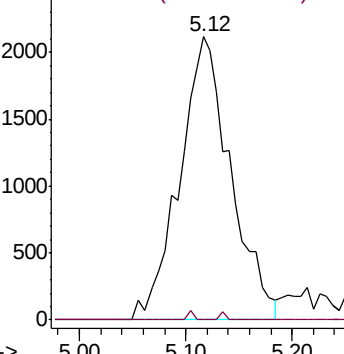
59 100

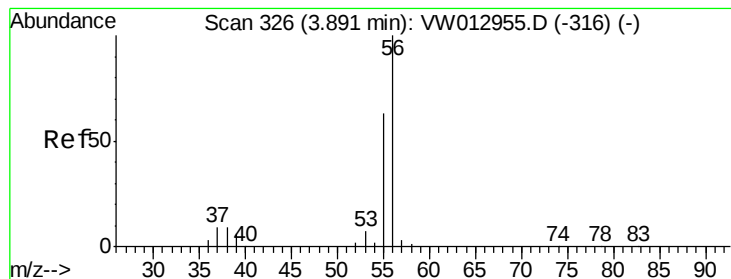
57 0.4 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.93 min Scan# 332

Delta R.T. 0.04 min

Lab File: VW013109.D

Acq: 18 Sep 2019 13:27

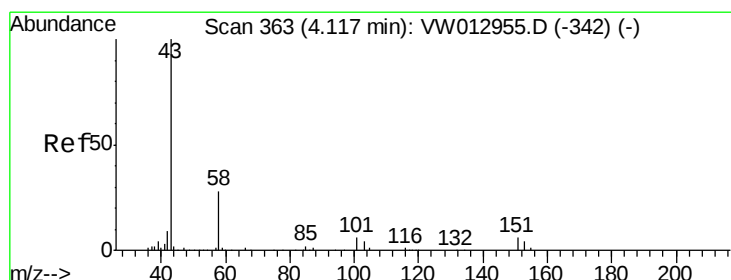
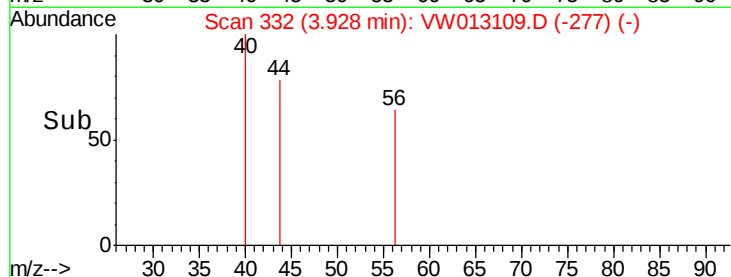
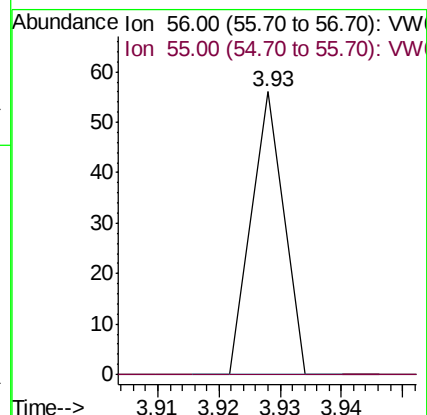
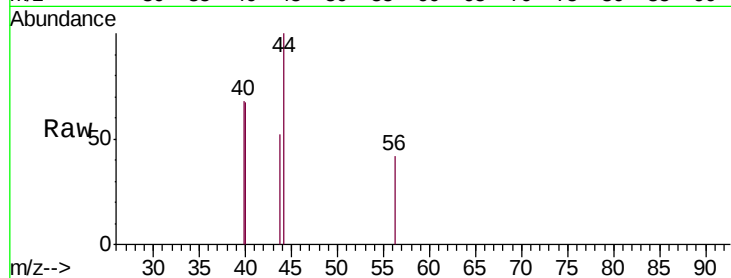
Instrument :
MSVOA_W
ClientSampleId :
SB-37-10.5-11.0

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW013109.D

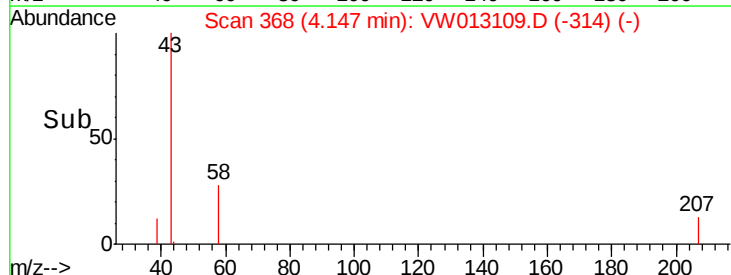
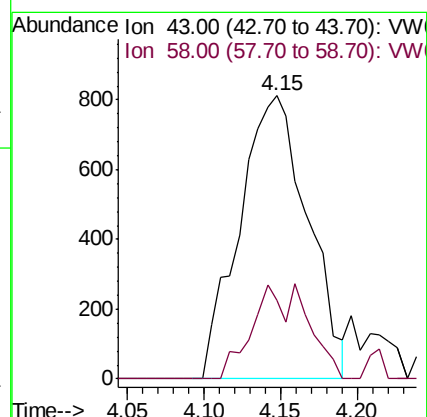
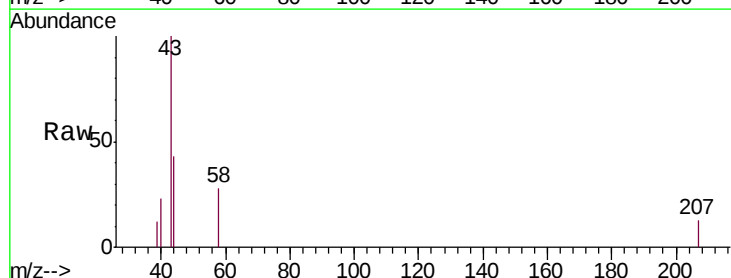
Acq: 18 Sep 2019 13:27

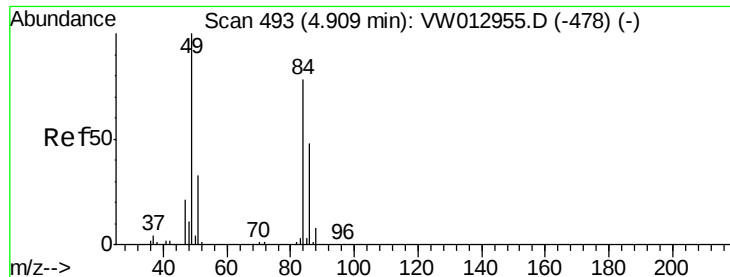
Tgt Ion: 43 Resp: 2528

Ion Ratio Lower Upper

43 100

58 27.8 22.3 33.5

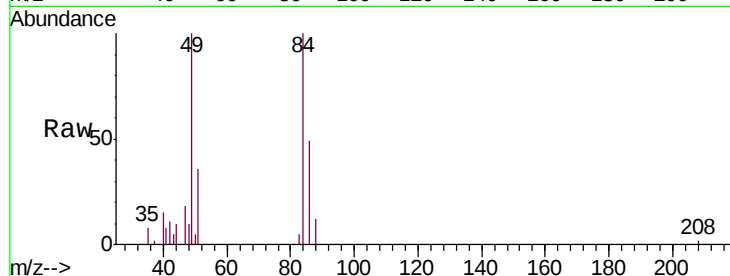




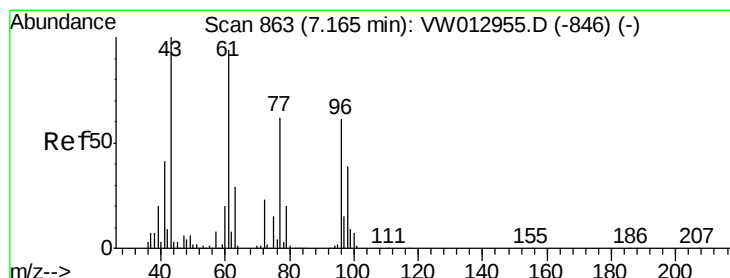
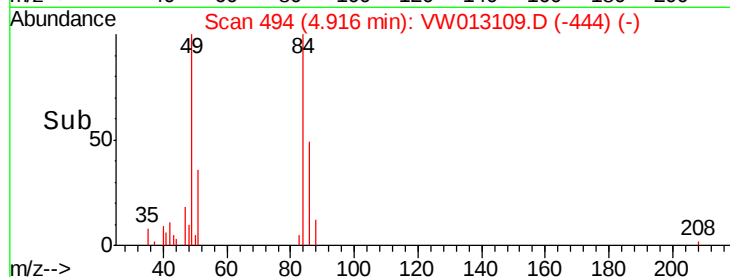
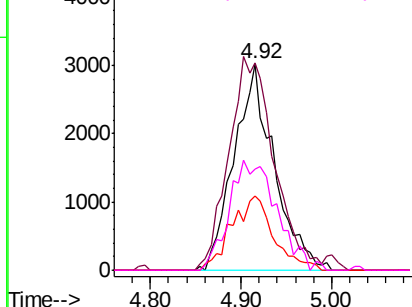
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013109.D
Acq: 18 Sep 2019 13:27

Instrument :
MSVOA_W
ClientSampleId :
SB-37-10.5-11.0

Tgt Ion: 84 Resp: 9285
Ion Ratio Lower Upper
84 100
49 100.2 102.0 153.0#
51 35.9 34.0 51.0
86 49.2 48.5 72.7

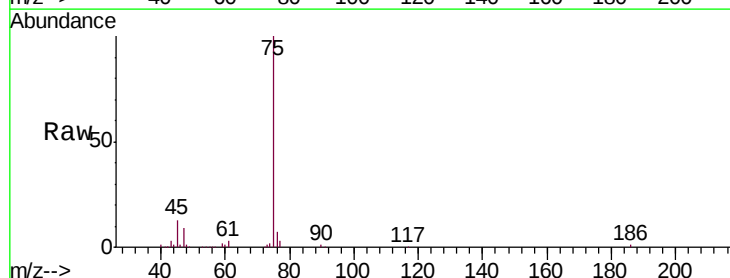


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

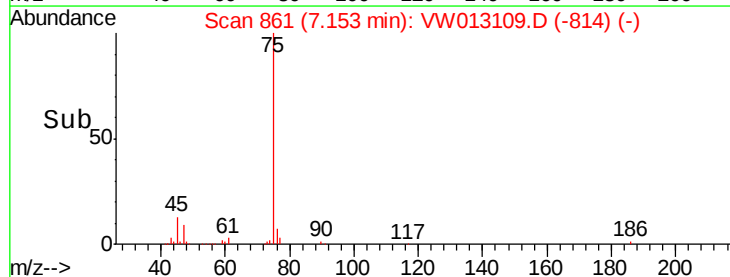
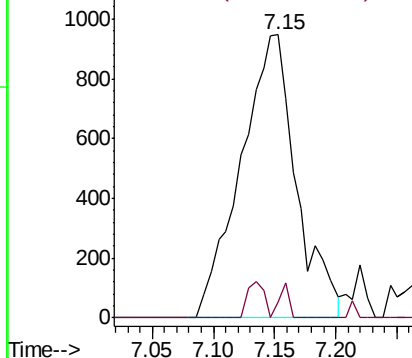


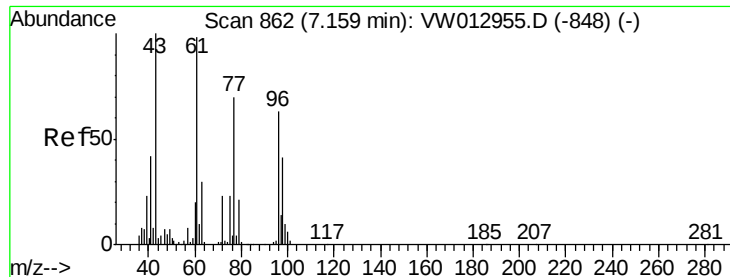
#25
2-Butanone
Concen: 3.095 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW013109.D
Acq: 18 Sep 2019 13:27

Tgt Ion: 43 Resp: 2993
Ion Ratio Lower Upper
43 100
72 5.6 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013109.D

Acq: 18 Sep 2019 13:27

Instrument :

MSVOA_W

ClientSampleId :

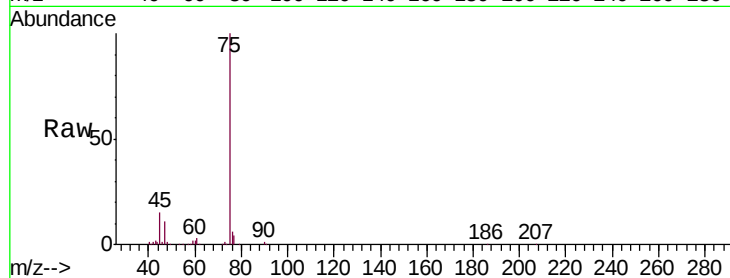
SB-37-10.5-11.0

Tgt Ion: 77 Resp: 3728

Ion Ratio Lower Upper

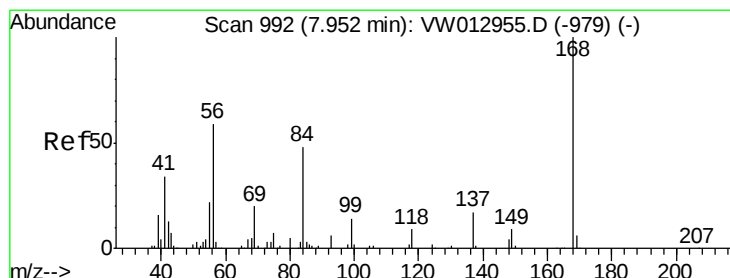
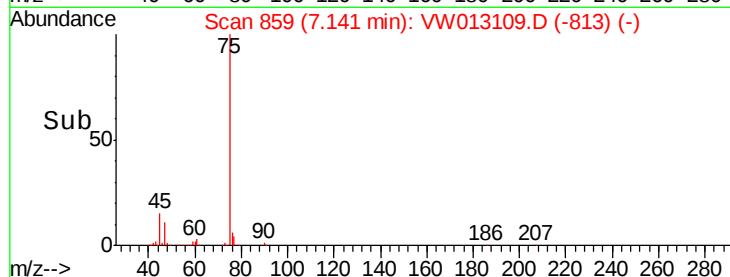
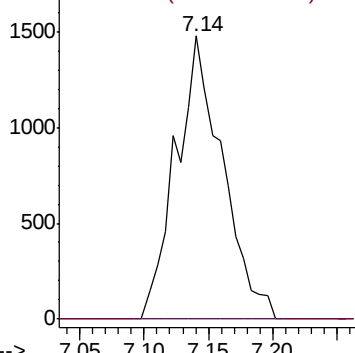
77 100

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: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013109.D

Acq: 18 Sep 2019 13:27

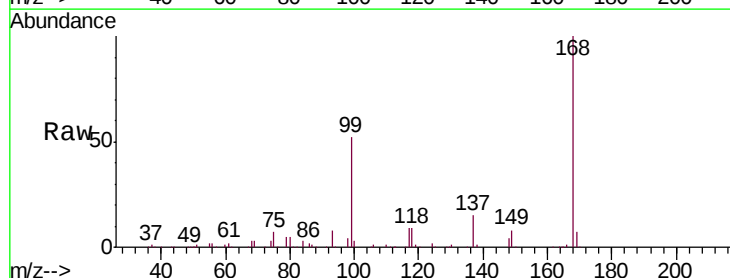
Tgt Ion: 56 Resp: 5917

Ion Ratio Lower Upper

56 100

69 153.7 27.0 40.6#

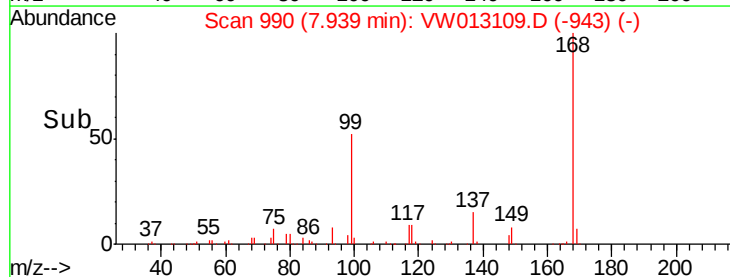
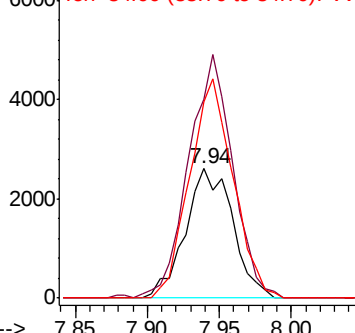
84 152.1 66.2 99.2#

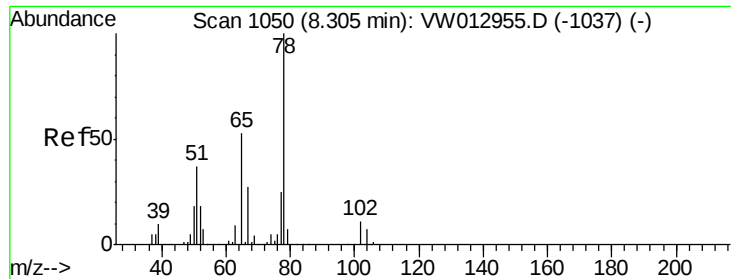


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

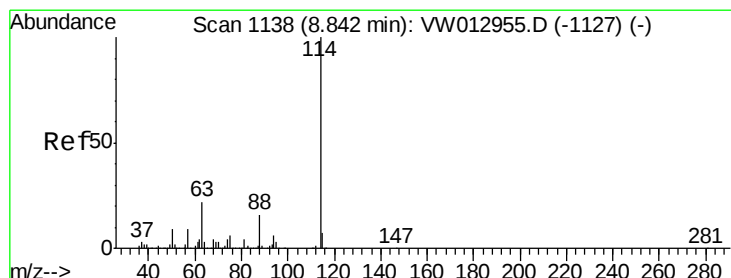
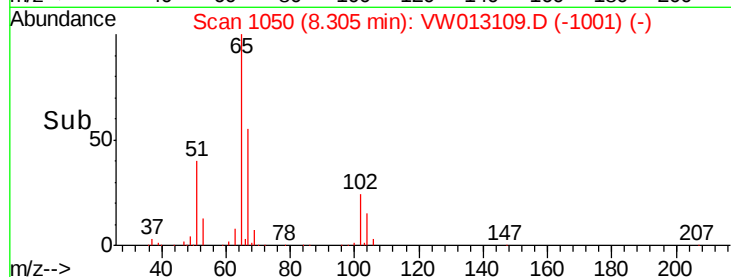
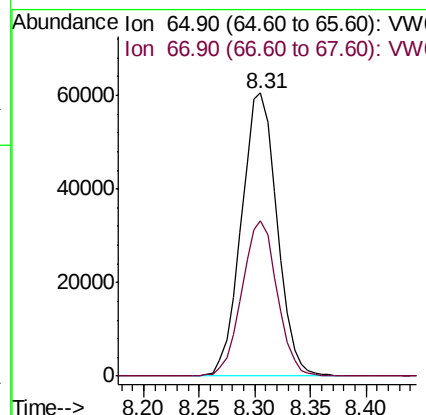
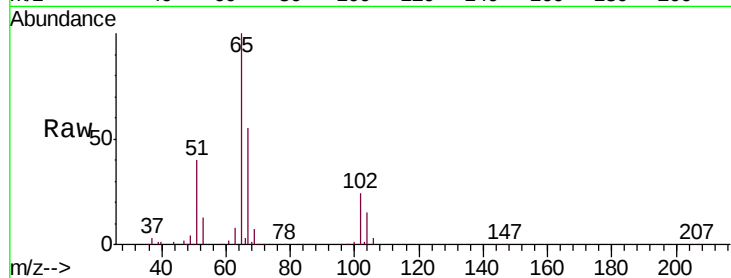




#33
 1,2-Dichloroethane-d4
 Concen: 44.370 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013109.D
 Acq: 18 Sep 2019 13:27

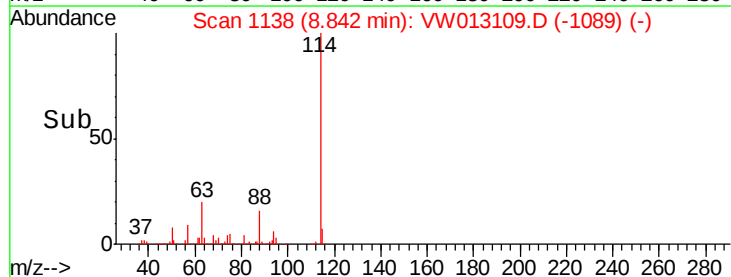
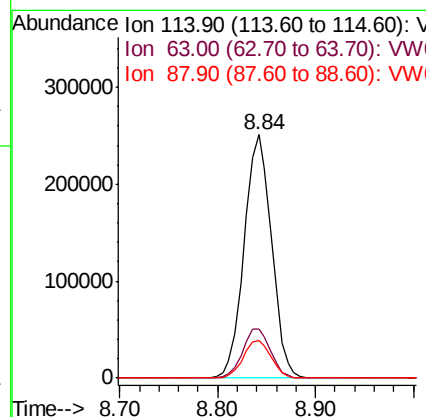
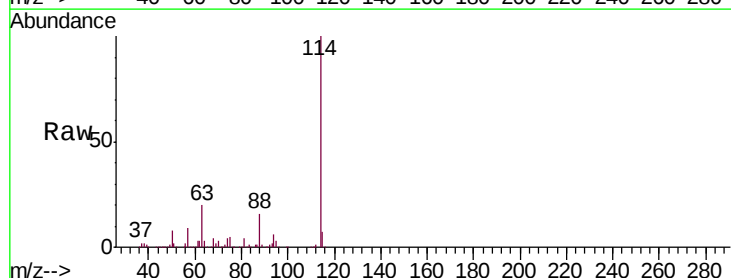
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-37-10.5-11.0

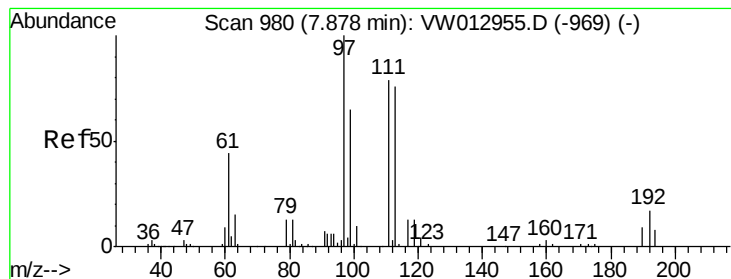
Tgt Ion: 65 Resp: 134946
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013109.D
 Acq: 18 Sep 2019 13:27

Tgt Ion: 114 Resp: 489167
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 43.4
 88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.374 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013109.D

Acq: 18 Sep 2019 13:27

Instrument :

MSVOA_W

ClientSampleId :

SB-37-10.5-11.0

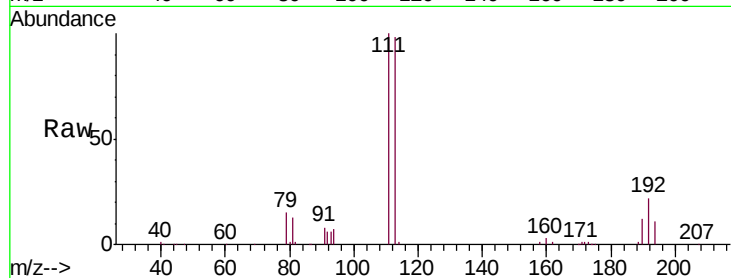
Tgt Ion: 113 Resp: 136362

Ion Ratio Lower Upper

113 100

111 101.6 82.8 124.2

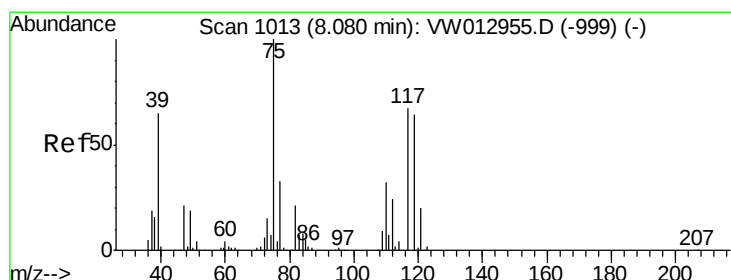
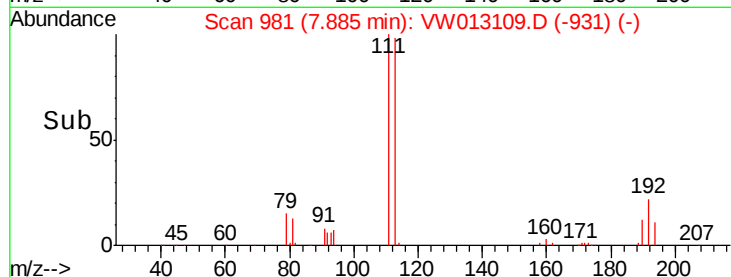
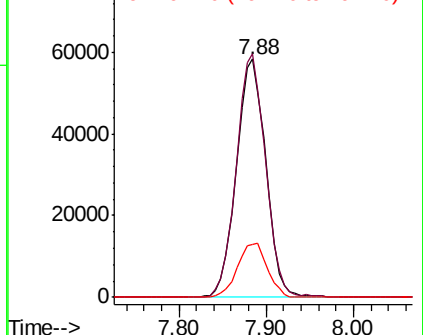
192 23.2 17.8 26.8



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: 5.664 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013109.D

Acq: 18 Sep 2019 13:27

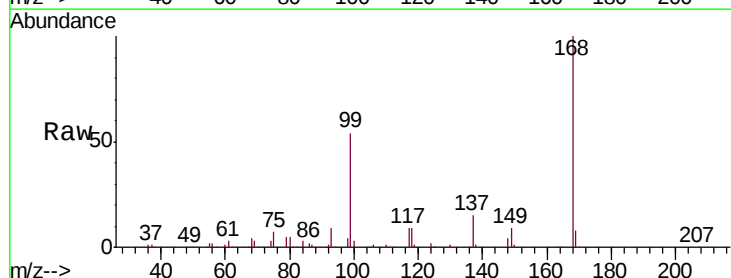
Tgt Ion: 75 Resp: 22141

Ion Ratio Lower Upper

75 100

110 10.2 16.4 49.1#

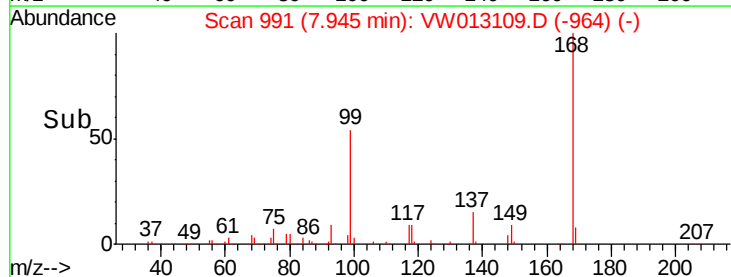
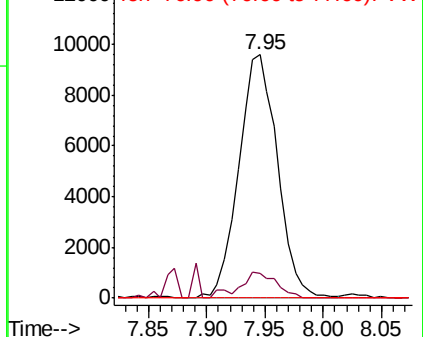
77 0.0 25.1 37.7#

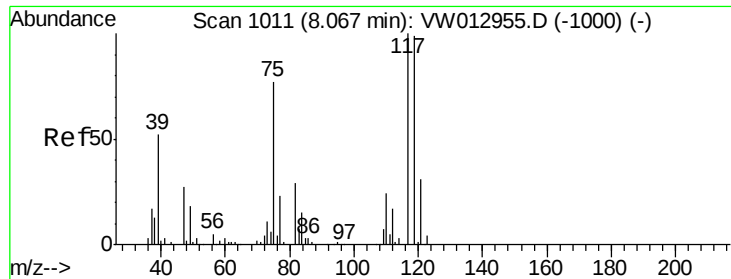


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

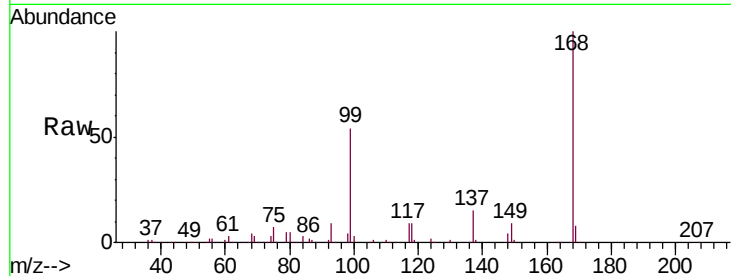




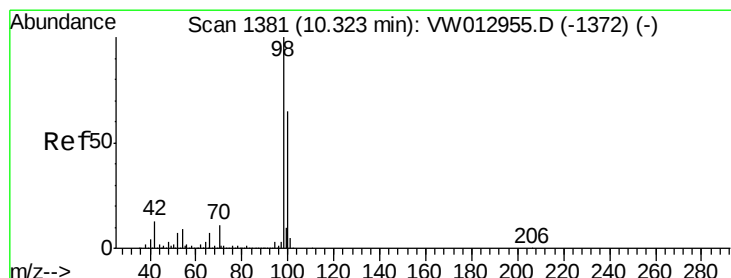
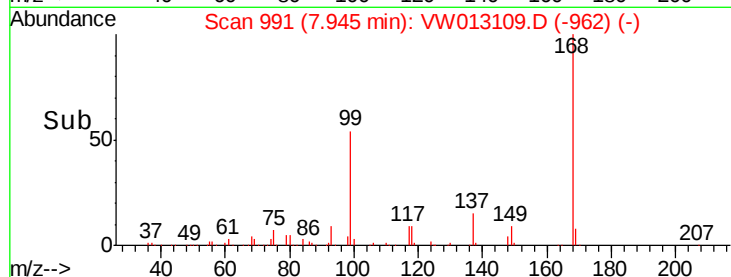
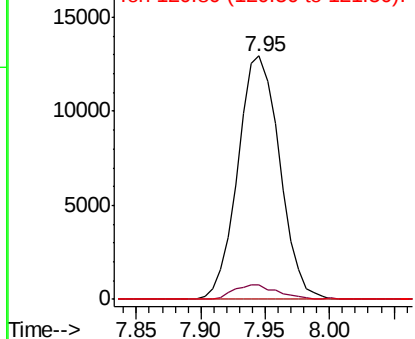
#38
Carbon Tetrachloride
Concen: 7.264 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013109.D
Acq: 18 Sep 2019 13:27

Instrument :
MSVOA_W
ClientSampleId :
SB-37-10.5-11.0

Tgt Ion:117 Resp: 29096
Ion Ratio Lower Upper
117 100
119 6.1 79.4 119.0#
121 0.0 24.6 36.8#

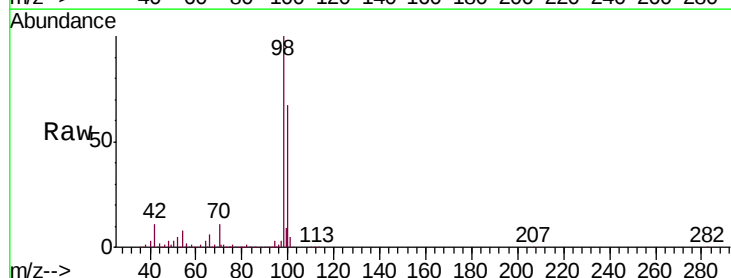


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

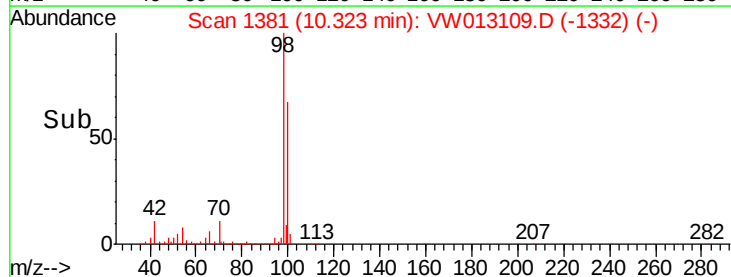
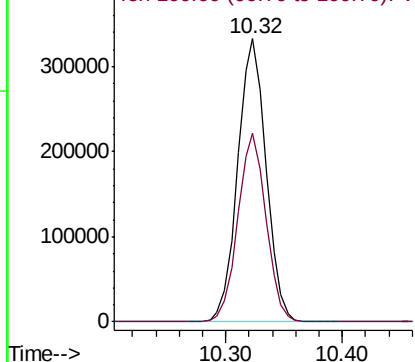


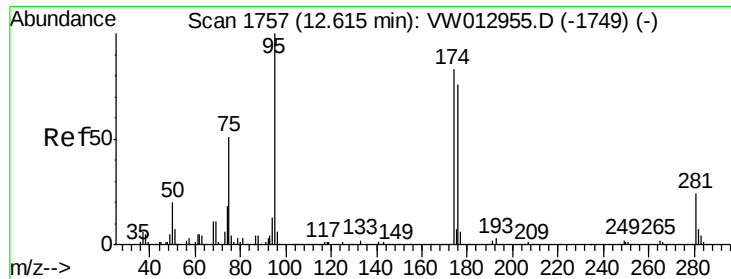
#50
Toluene-d8
Concen: 54.606 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013109.D
Acq: 18 Sep 2019 13:27

Tgt Ion: 98 Resp: 567168
Ion Ratio Lower Upper
98 100
100 66.3 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

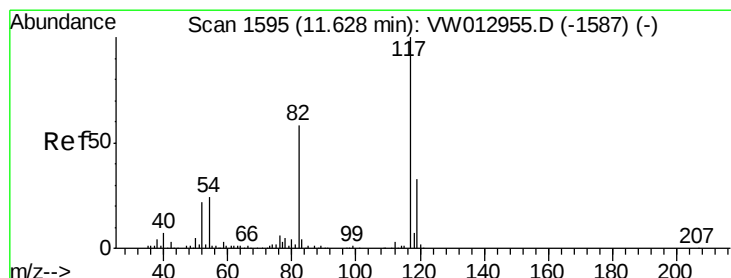
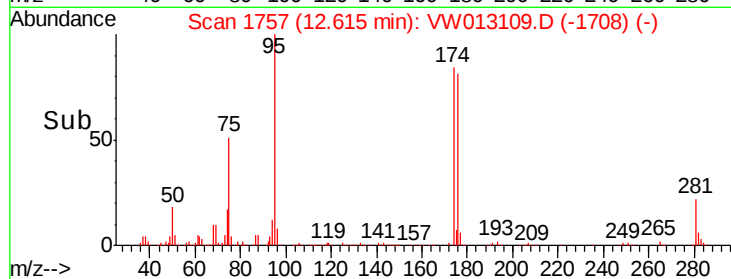
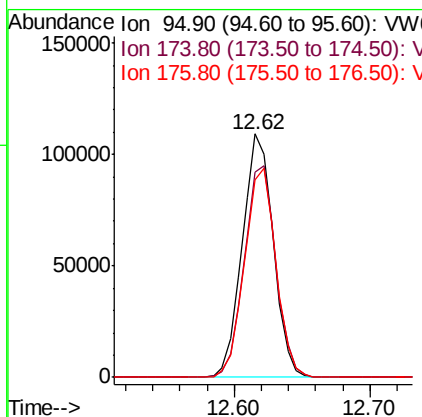
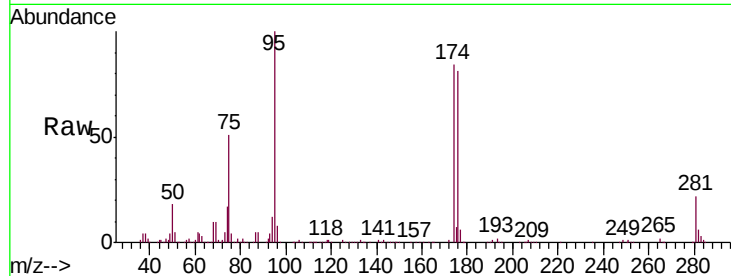




#62
4-Bromofluorobenzene
Concen: 46.772 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013109.D
Acq: 18 Sep 2019 13:27

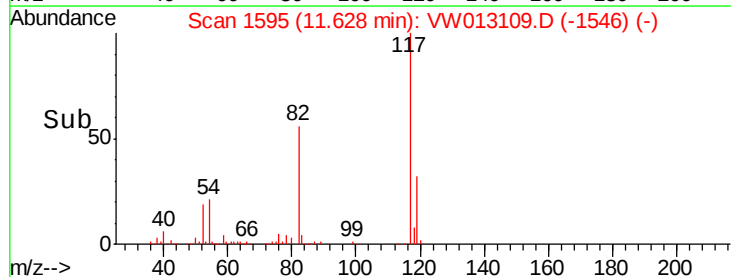
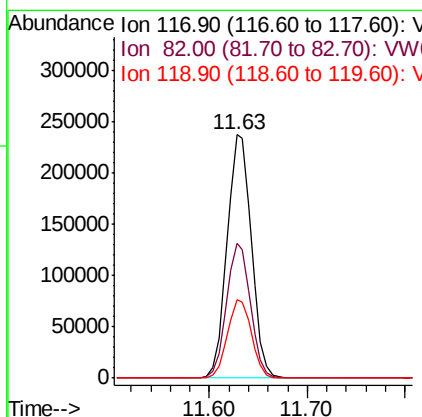
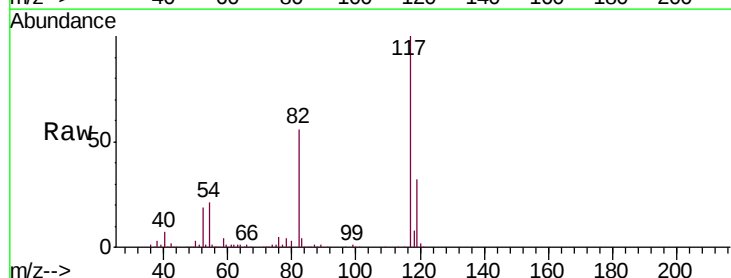
Instrument :
MSVOA_W
ClientSampleId :
SB-37-10.5-11.0

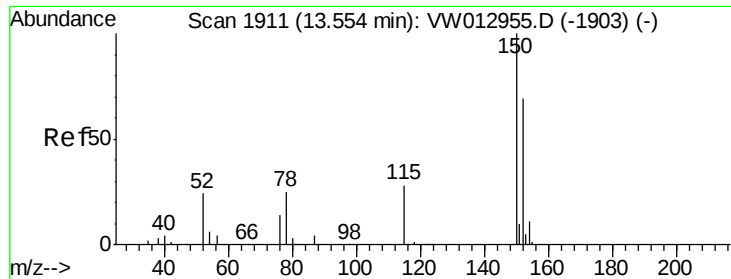
Tgt Ion: 95 Resp: 174683
Ion Ratio Lower Upper
95 100
174 88.5 0.0 170.4
176 87.0 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013109.D
Acq: 18 Sep 2019 13:27

Tgt Ion: 117 Resp: 407830
Ion Ratio Lower Upper
117 100
82 55.6 46.3 69.5
119 32.3 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: VW013109.D

Acq: 18 Sep 2019 13:27

Instrument :

MSVOA_W

ClientSampleId :

SB-37-10.5-11.0

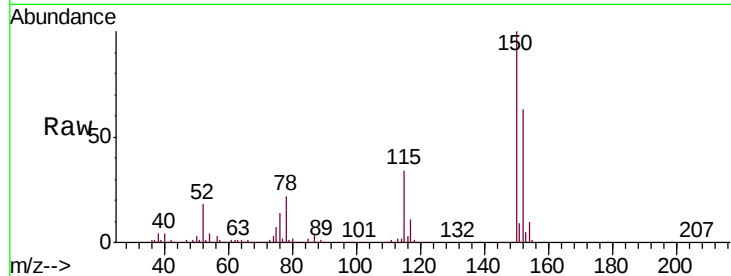
Tgt Ion: 152 Resp: 179355

Ion Ratio Lower Upper

152 100

115 55.9 28.8 86.4

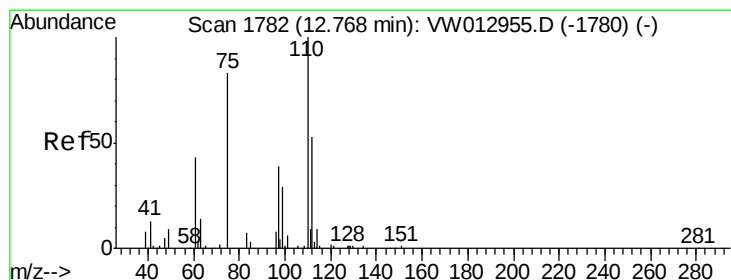
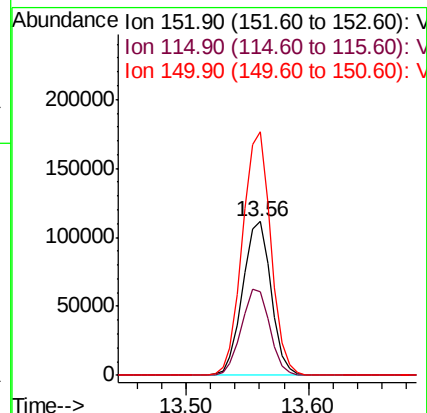
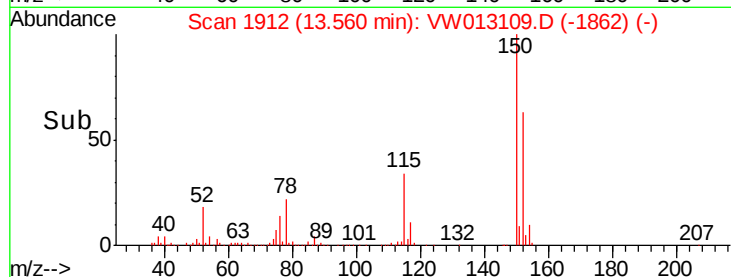
150 158.0 0.0 340.2



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: 55.748 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013109.D

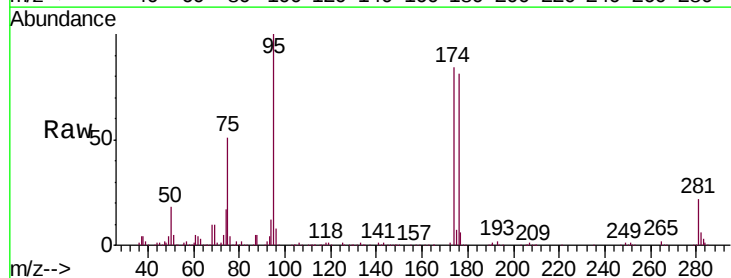
Acq: 18 Sep 2019 13:27

Tgt Ion: 75 Resp: 87580

Ion Ratio Lower Upper

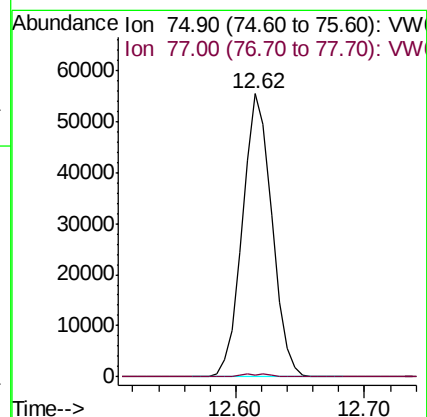
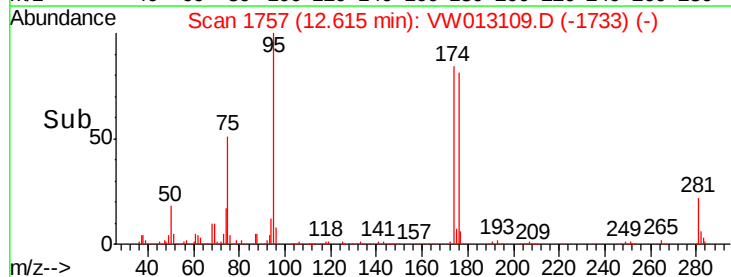
75 100

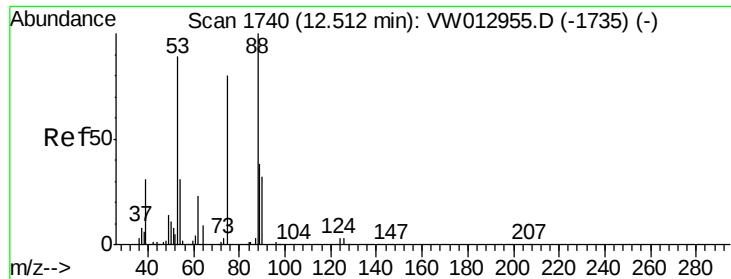
77 1.2 0.0 0.0#



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: 126.462 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013109.D

Acq: 18 Sep 2019 13:27

Instrument :

MSVOA_W

ClientSampleId :

SB-37-10.5-11.0

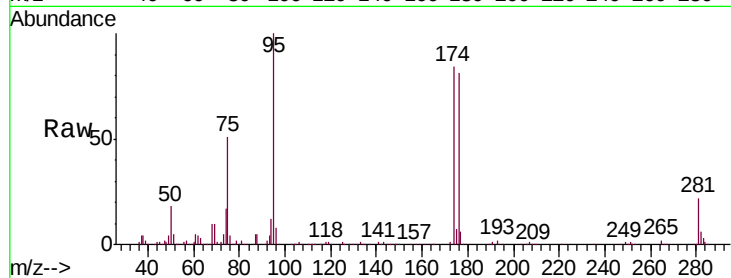
Tgt Ion: 75 Resp: 87580

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

