

Data File : VW013121.D
Acq On : 18 Sep 2019 18:37
Operator : SY/VA
Sample : K4924-01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-48-6.5-7.0

Quant Time: Sep 19 07:57:12 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	290791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	435075	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	371101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164439	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	127195	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
35) Dibromofluoromethane	7.88	113	122788	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
50) Toluene-d8	10.32	98	509837	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
62) 4-Bromofluorobenzene	12.62	95	161539	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

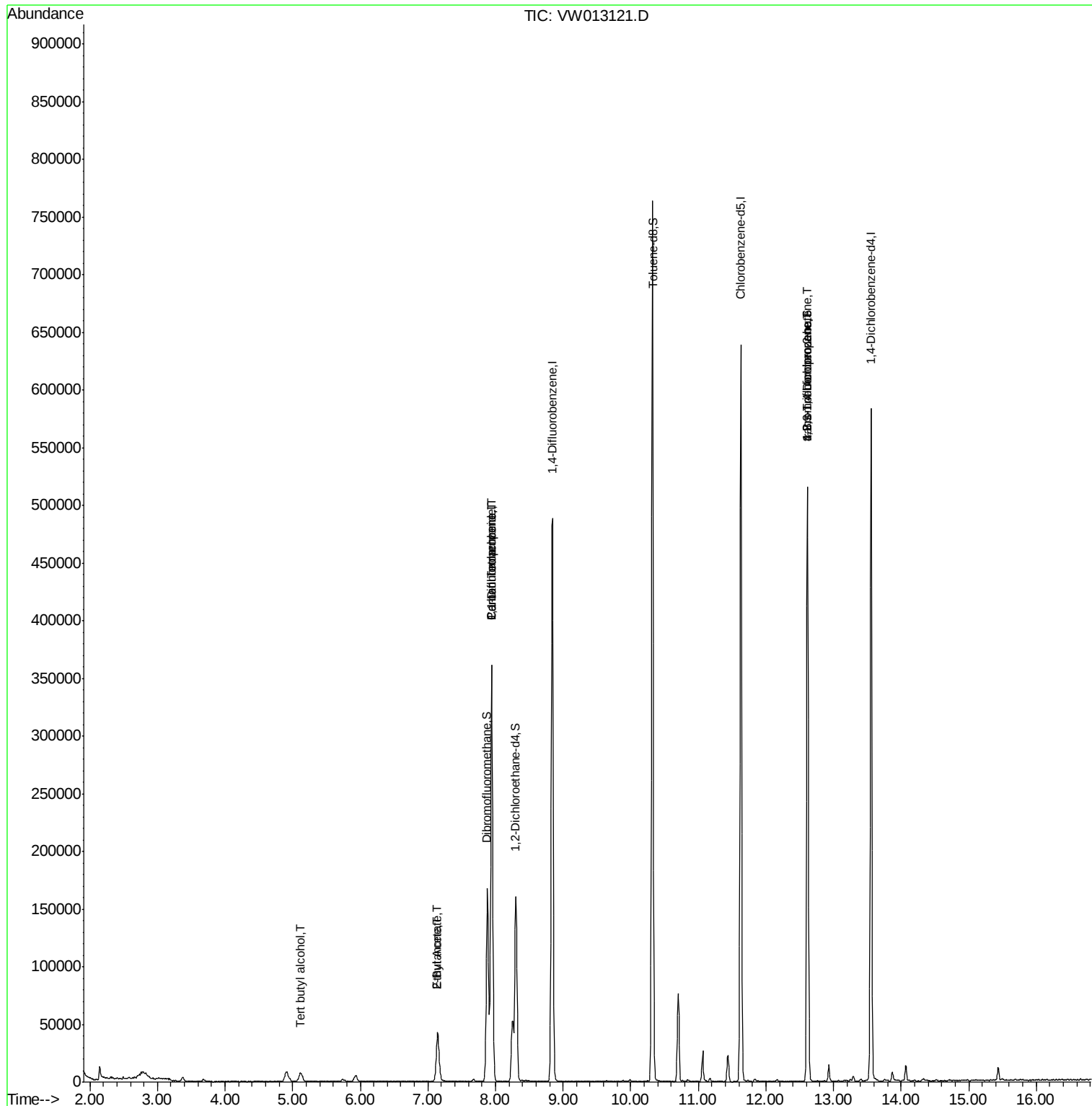
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.01	85	630	Below Cal		99
3) Chloromethane	2.20	50	270	Below Cal	#	41
11) Tert butyl alcohol	5.12	59	7280	20.492 ug/l	#	72
16) Acetone	4.14	43	1034	Below Cal		96
20) Methylene Chloride	4.90	84	7027	Below Cal	#	94
25) 2-Butanone	7.13	43	2135	2.500 ug/l	#	69
26) 2,2-Dichloropropane	7.15	77	3273	Below Cal	#	55
31) Cyclohexane	7.95	56	4768	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	20016	5.757 ug/l	#	51
37) Ethyl Acetate	7.13	43	2135	1.157 ug/l	#	1
38) Carbon Tetrachloride	7.95	117	26180	7.348 ug/l	#	15
76) 1,2,3-Trichloropropane	12.62	75	76806	53.324 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76806	120.965 ug/l	#	7

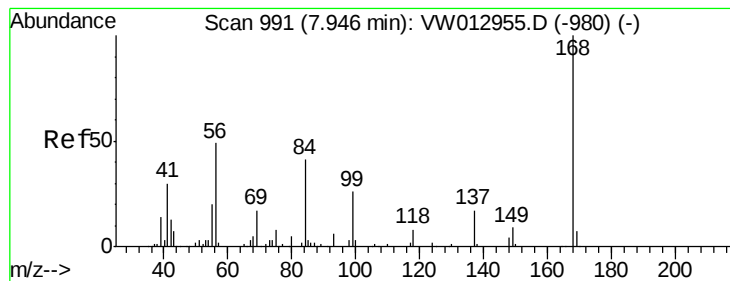
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013121.D

Acq: 18 Sep 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

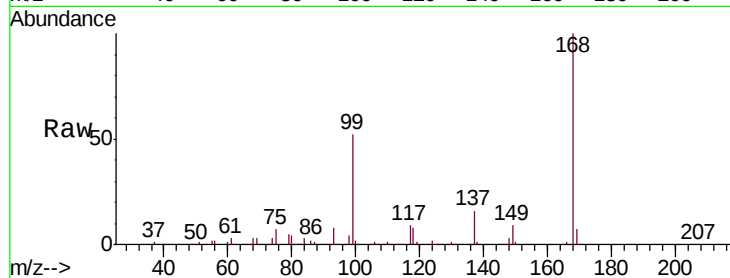
SB-48-6.5-7.0

Tgt Ion:168 Resp: 290791

Ion Ratio Lower Upper

168 100

99 52.2 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

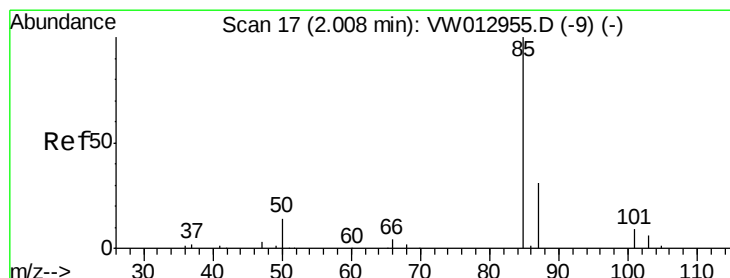
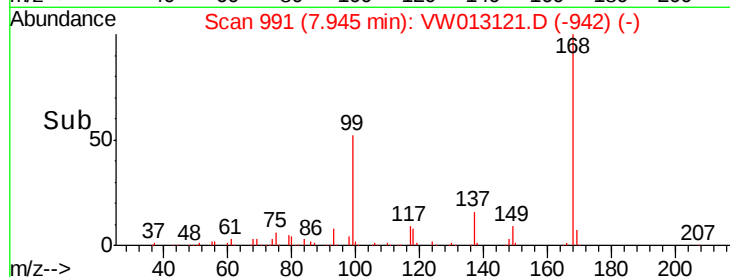
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013121.D

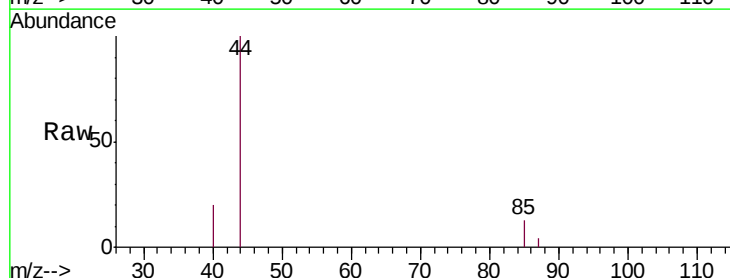
Acq: 18 Sep 2019 18:37

Tgt Ion: 85 Resp: 630

Ion Ratio Lower Upper

85 100

87 30.3 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

400

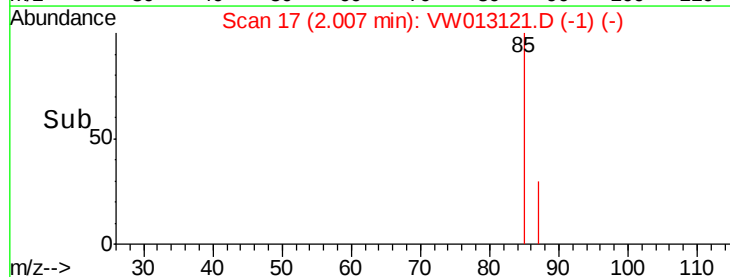
300

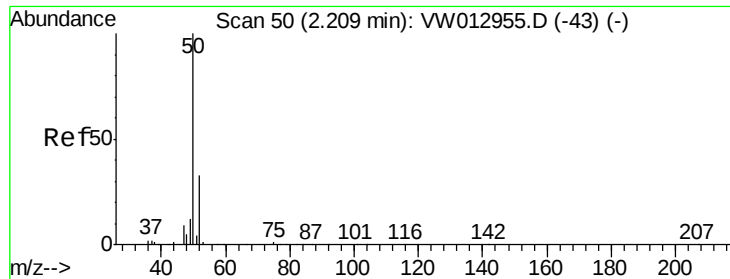
200

100

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: VW013121.D

Acq: 18 Sep 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

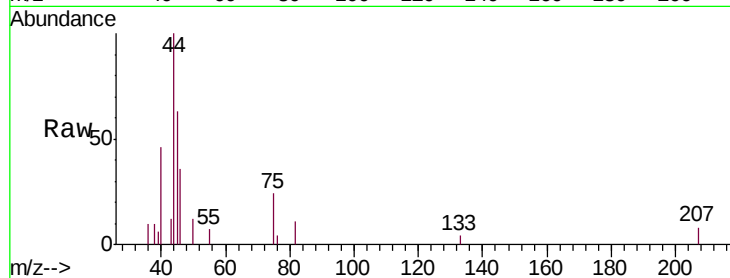
SB-48-6.5-7.0

Tgt Ion: 50 Resp: 270

Ion Ratio Lower Upper

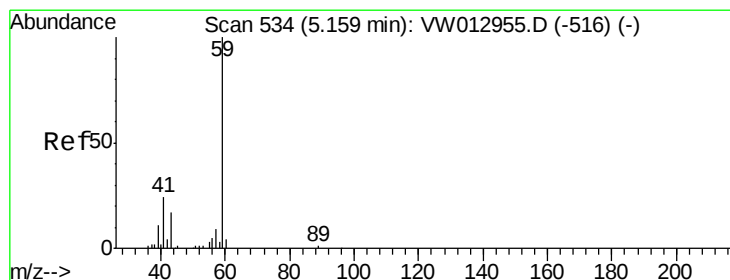
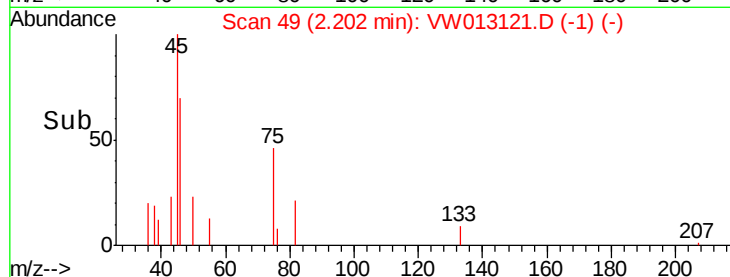
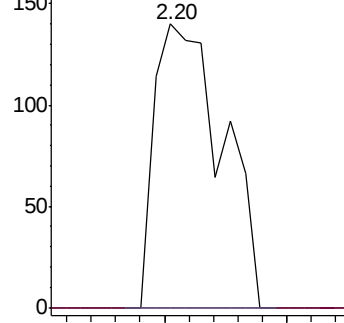
50 100

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: 20.492 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW013121.D

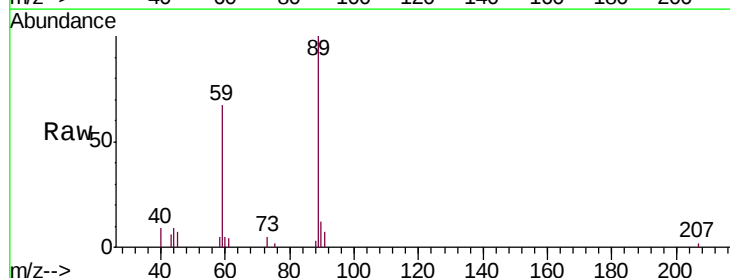
Acq: 18 Sep 2019 18:37

Tgt Ion: 59 Resp: 7280

Ion Ratio Lower Upper

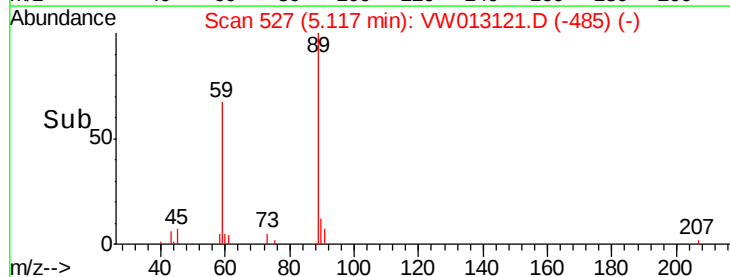
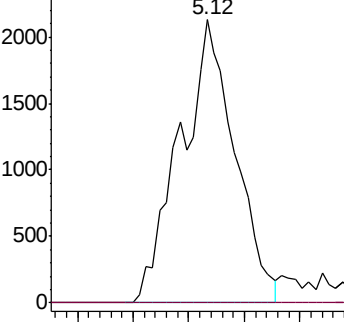
59 100

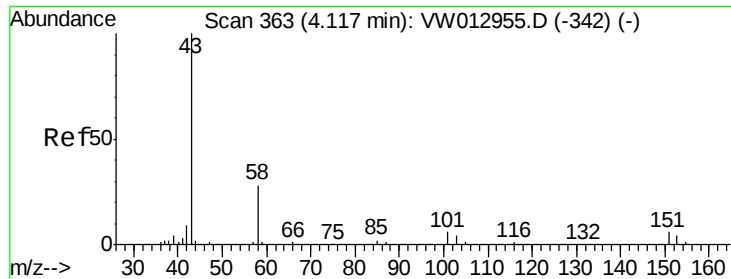
57 0.0 8.5 12.7#



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: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013121.D

Acq: 18 Sep 2019 18:37

Instrument :

MSVOA_W

ClientSampled :

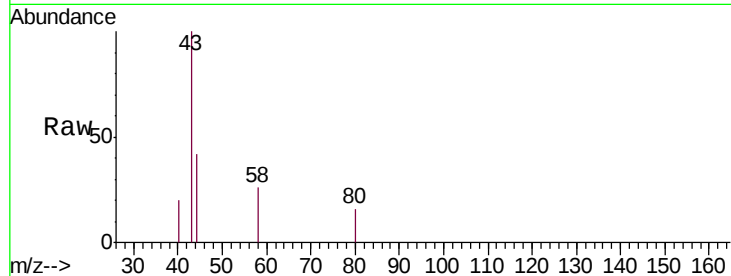
SB-48-6.5-7.0

Tgt Ion: 43 Resp: 1034

Ion Ratio Lower Upper

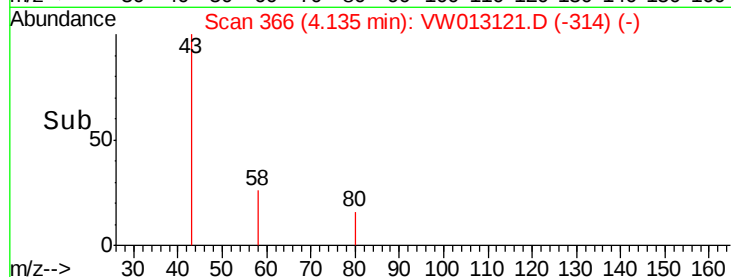
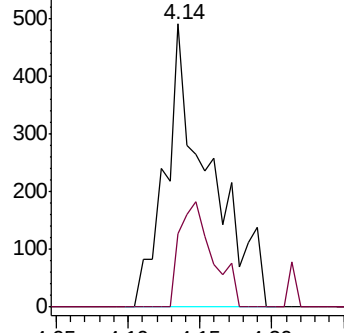
43 100

58 25.7 22.3 33.5

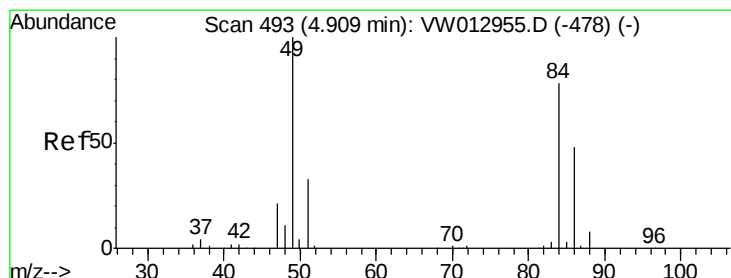


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013121.D

Acq: 18 Sep 2019 18:37

Tgt Ion: 84 Resp: 7027

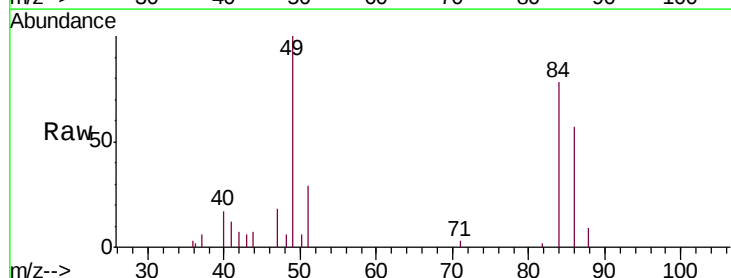
Ion Ratio Lower Upper

84 100

49 128.4 102.0 153.0

51 37.6 34.0 51.0

86 73.6 48.5 72.7#

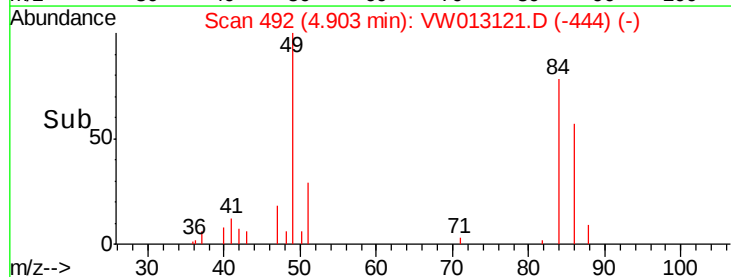
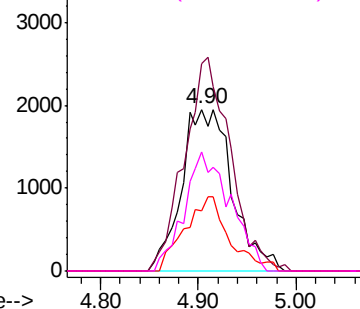


Abundance Ion 83.90 (83.60 to 84.60): VW

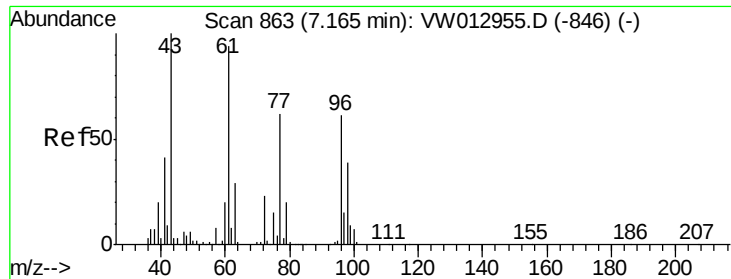
Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



Time-->



#25

2-Butanone

Concen: 2.500 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW013121.D

Acq: 18 Sep 2019 18:37

Instrument :

MSVOA_W

ClientSampled :

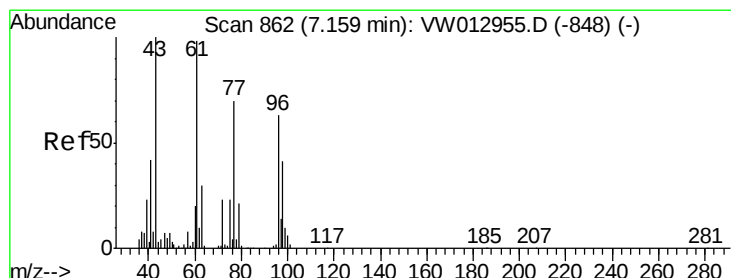
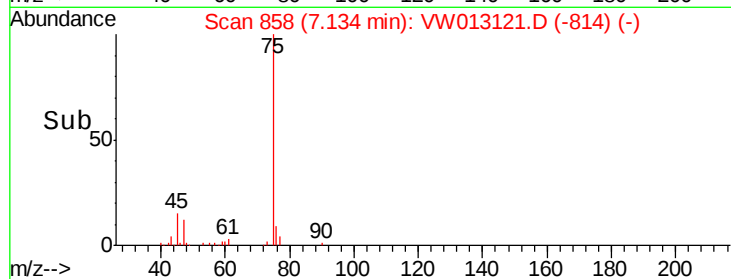
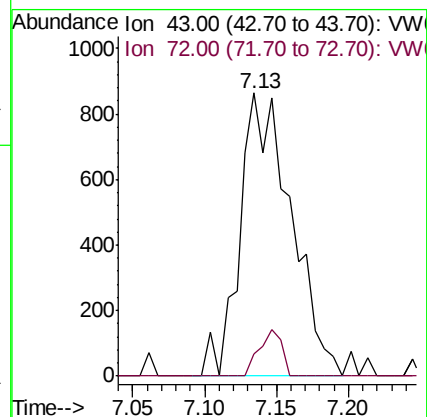
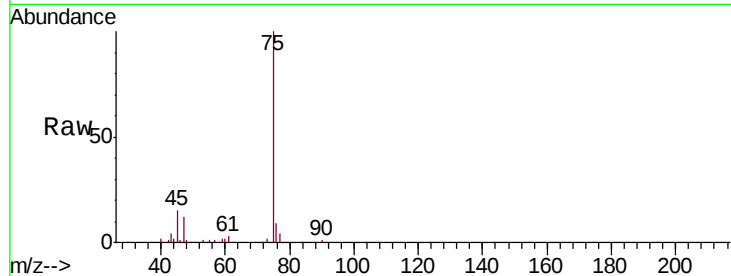
SB-48-6.5-7.0

Tgt Ion: 43 Resp: 2135

Ion Ratio Lower Upper

43 100

72 7.9 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: VW013121.D

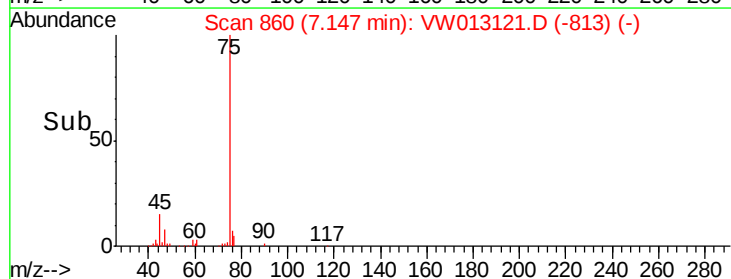
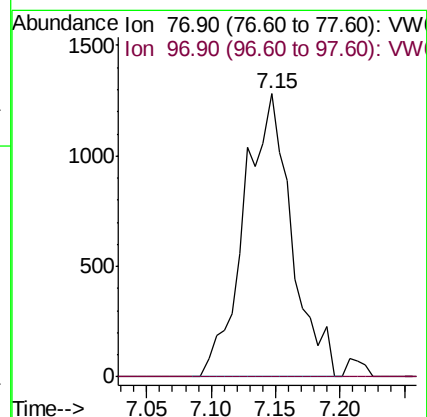
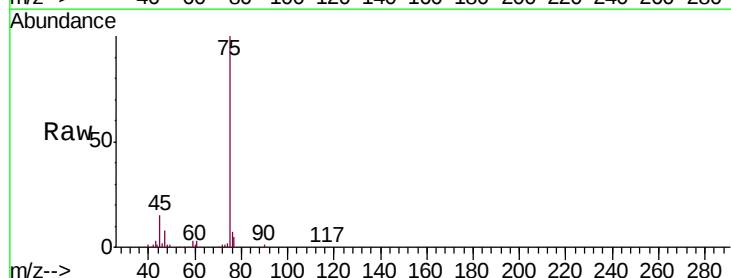
Acq: 18 Sep 2019 18:37

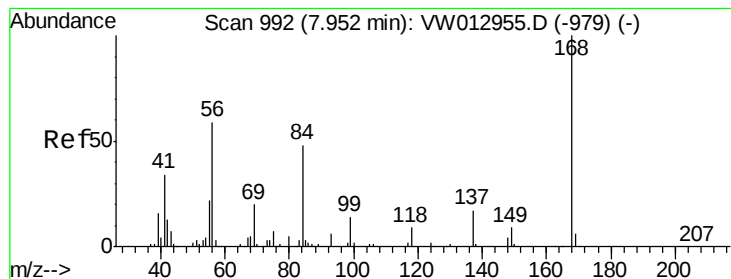
Tgt Ion: 77 Resp: 3273

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: VW013121.D

Acq: 18 Sep 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

SB-48-6.5-7.0

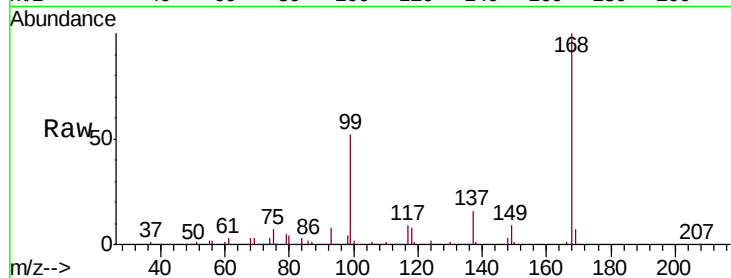
Tgt Ion: 56 Resp: 4768

Ion Ratio Lower Upper

56 100

69 172.0 27.0 40.6#

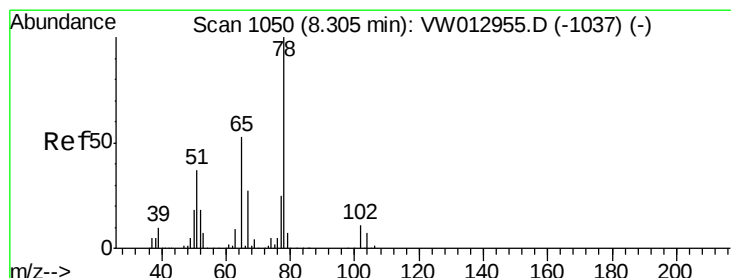
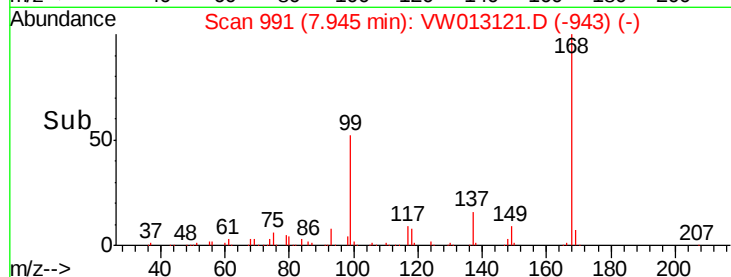
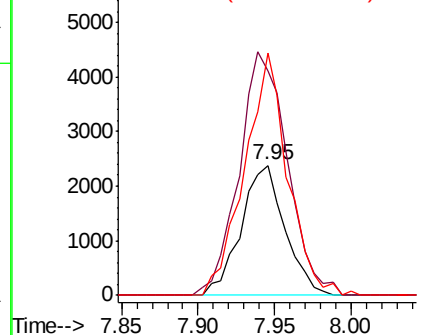
84 186.2 66.2 99.2#



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: 47.361 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013121.D

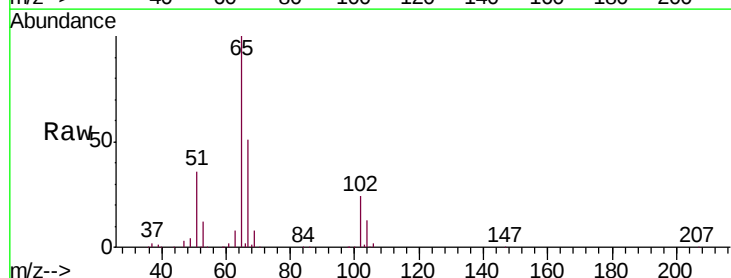
Acq: 18 Sep 2019 18:37

Tgt Ion: 65 Resp: 127195

Ion Ratio Lower Upper

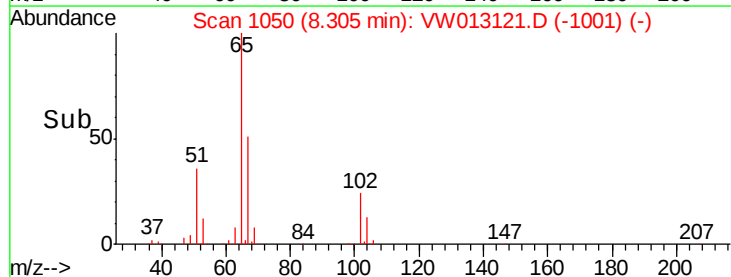
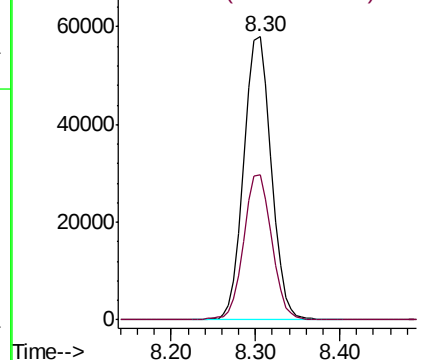
65 100

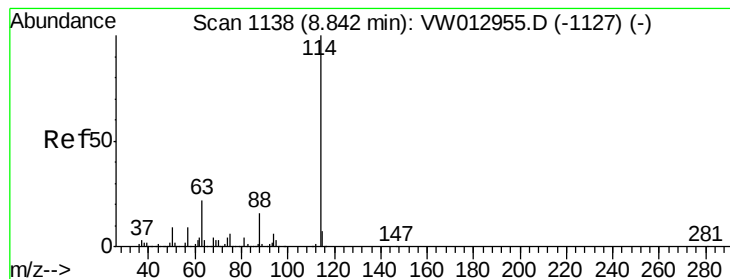
67 52.3 0.0 101.2



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: VW013121.D

Acq: 18 Sep 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

SB-48-6.5-7.0

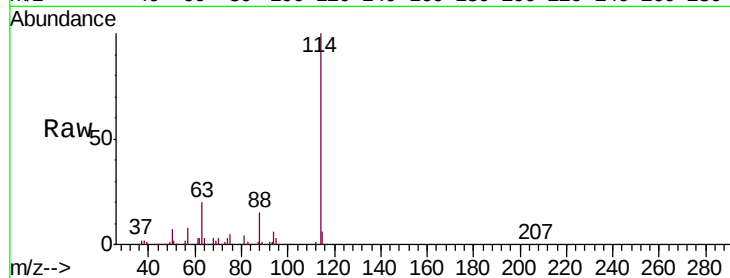
Tgt Ion:114 Resp: 435075

Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.4

88 15.4 0.0 31.6

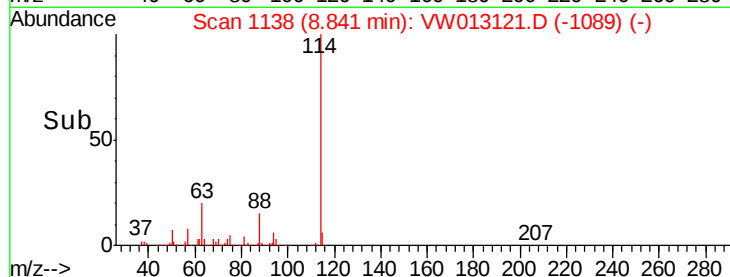


Abundance Ion 113.90 (113.60 to 114.60): V

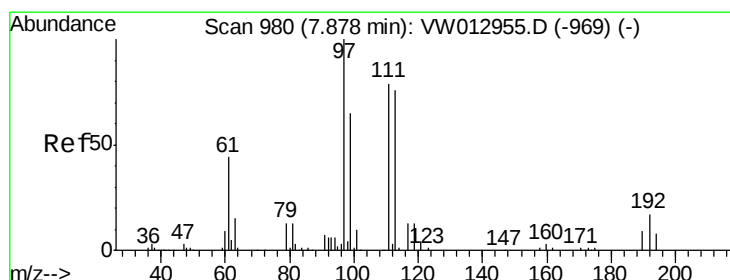
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

Time-->



Time-->



#35

Dibromofluoromethane

Concen: 52.012 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013121.D

Acq: 18 Sep 2019 18:37

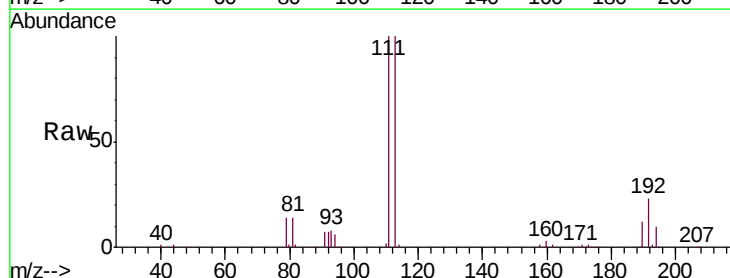
Tgt Ion:113 Resp: 122788

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 24.3 17.8 26.8

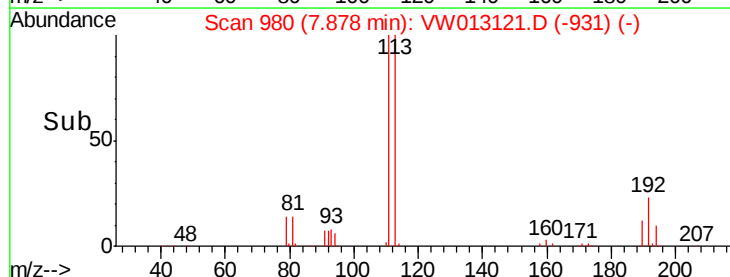


Abundance Ion 112.80 (112.50 to 113.50): V

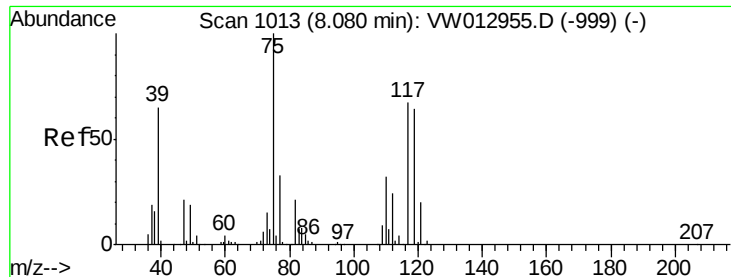
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->



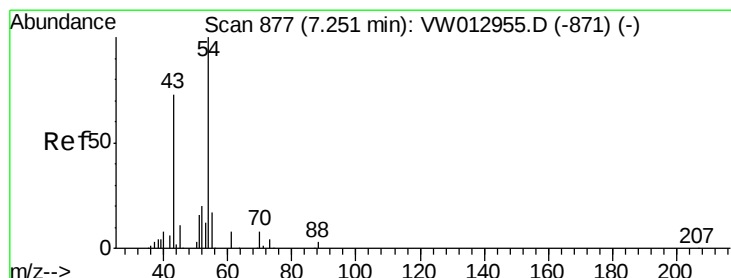
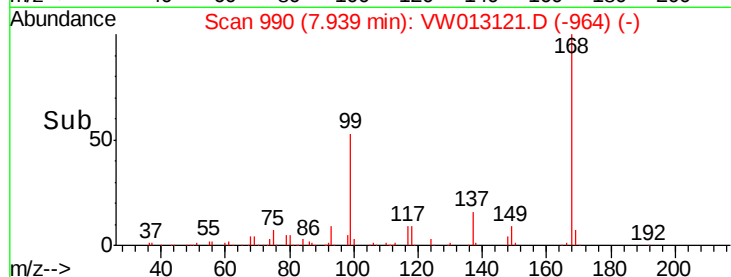
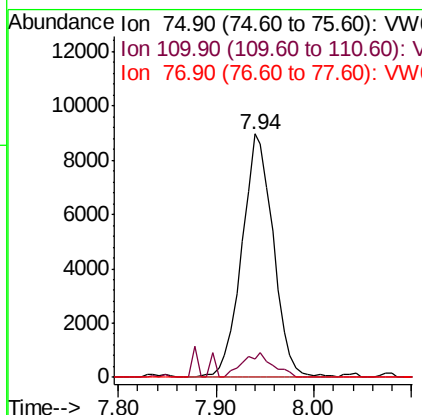
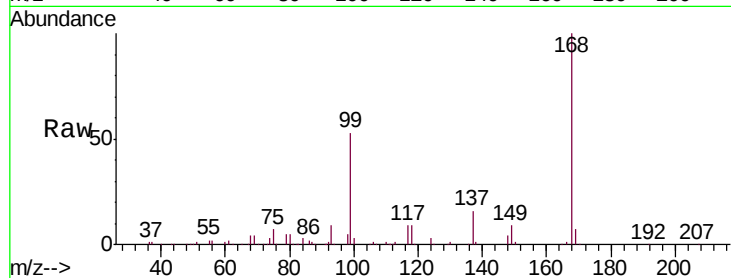
Time-->



#36
 1,1-Dichloropropene
 Concen: 5.757 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013121.D
 Acq: 18 Sep 2019 18:37

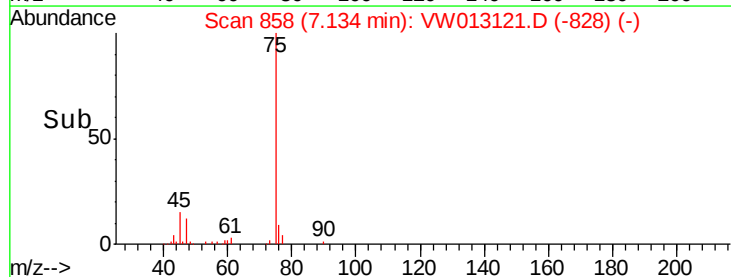
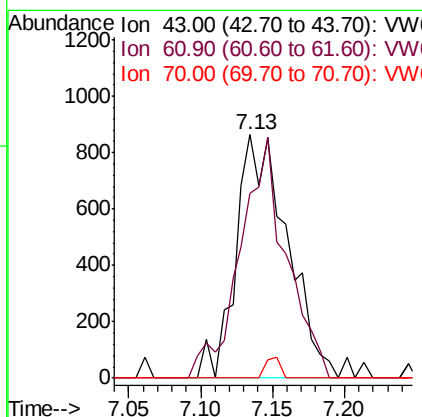
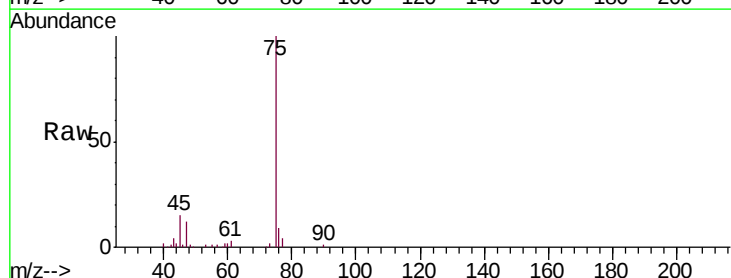
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-48-6.5-7.0

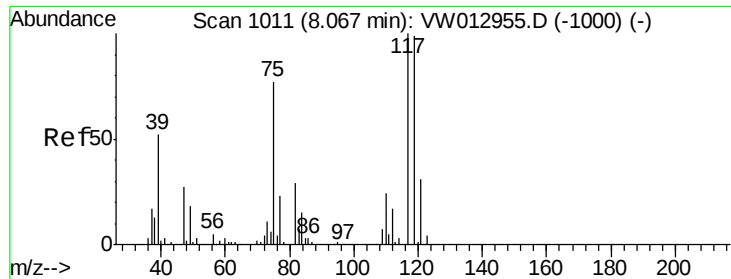
Tgt Ion: 75 Resp: 20016
 Ion Ratio Lower Upper
 75 100
 110 9.7 16.4 49.1#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 1.157 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.12 min
 Lab File: VW013121.D
 Acq: 18 Sep 2019 18:37

Tgt Ion: 43 Resp: 2135
 Ion Ratio Lower Upper
 43 100
 61 89.3 9.6 14.4#
 70 2.3 7.6 11.4#





#38

Carbon Tetrachloride

Concen: 7.348 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013121.D

Acq: 18 Sep 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

SB-48-6.5-7.0

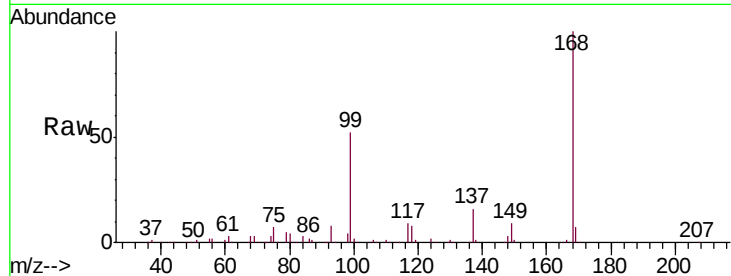
Tgt Ion:117 Resp: 26180

Ion Ratio Lower Upper

117 100

119 6.2 79.4 119.0#

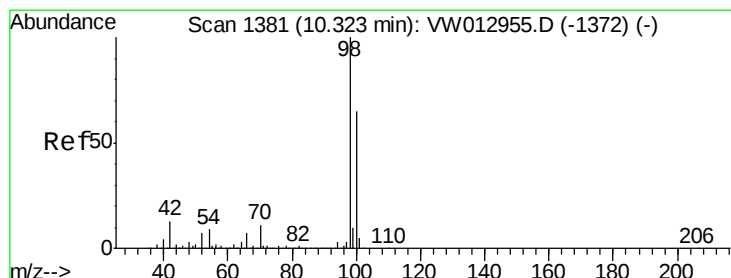
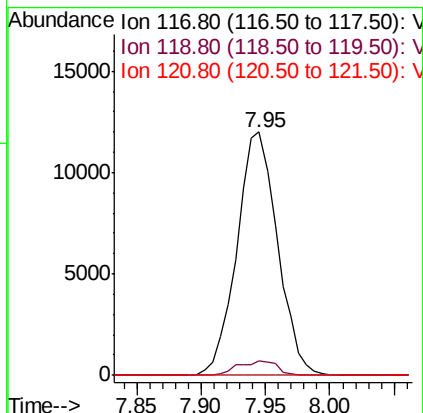
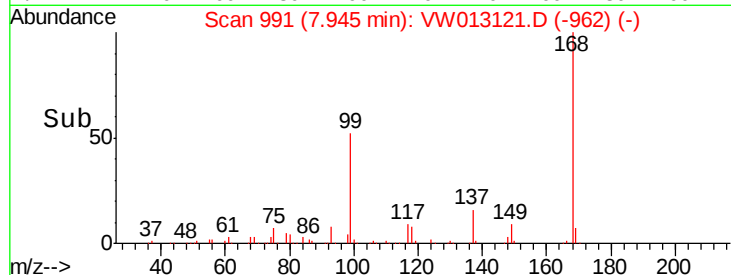
121 0.0 24.6 36.8#



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: 55.189 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013121.D

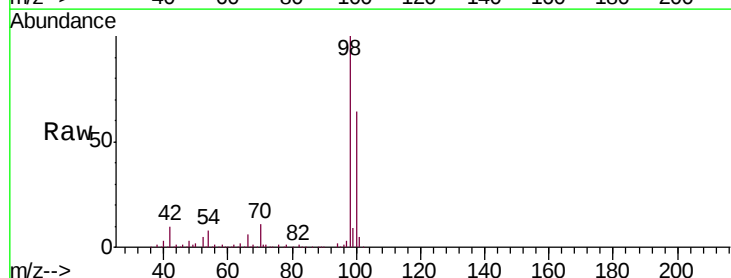
Acq: 18 Sep 2019 18:37

Tgt Ion: 98 Resp: 509837

Ion Ratio Lower Upper

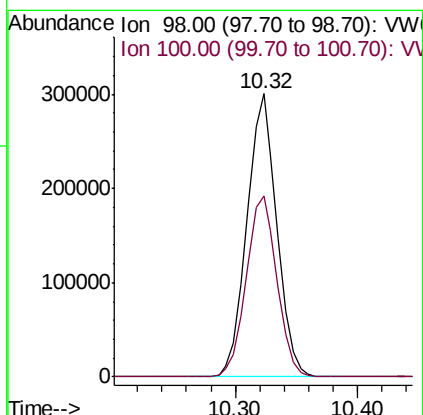
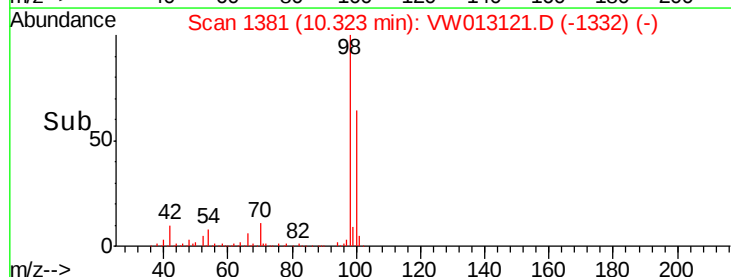
98 100

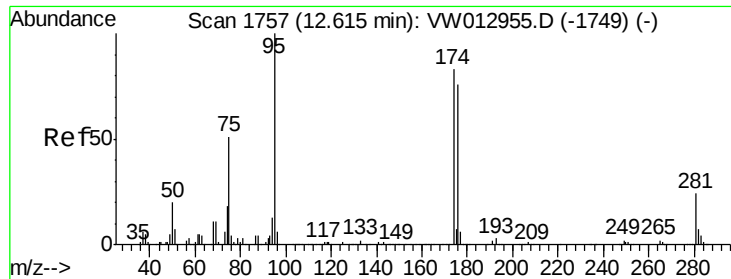
100 65.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

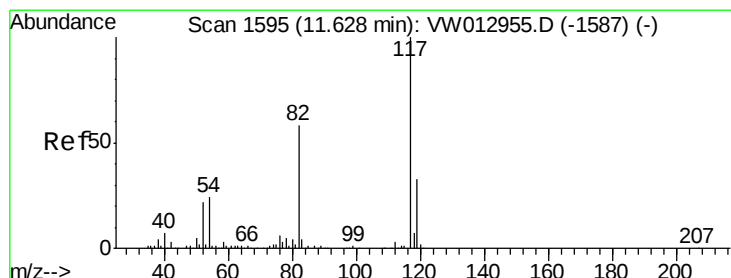
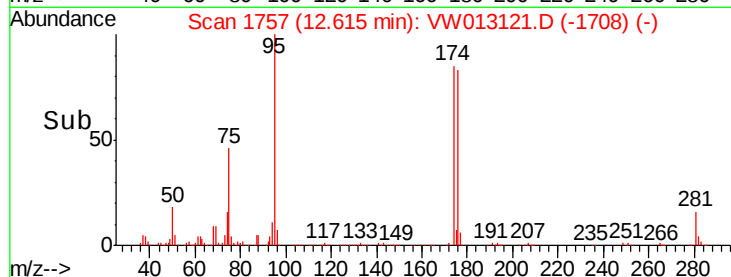
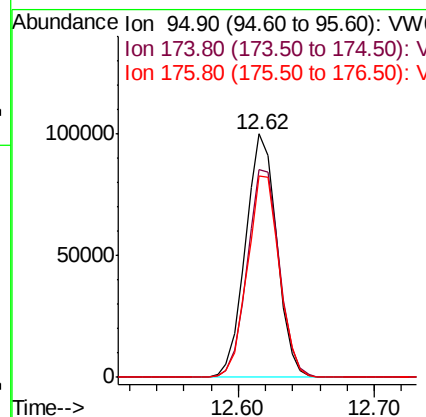
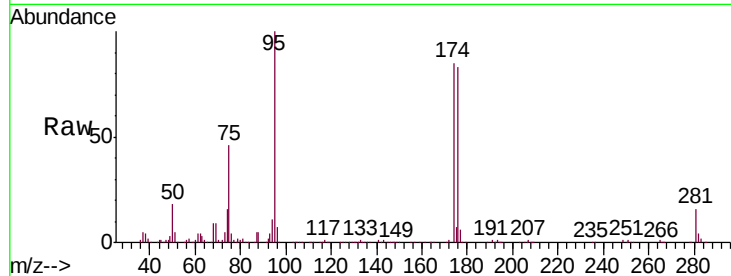




#62
4-Bromofluorobenzene
Concen: 48.630 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013121.D
Acq: 18 Sep 2019 18:37

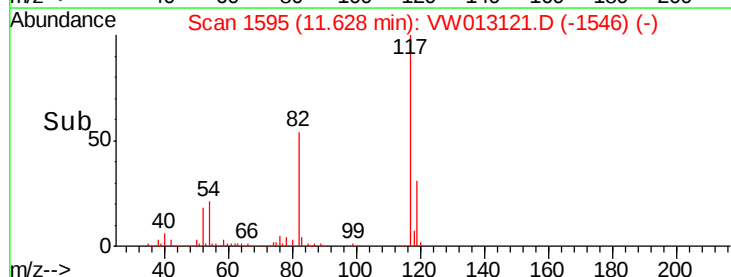
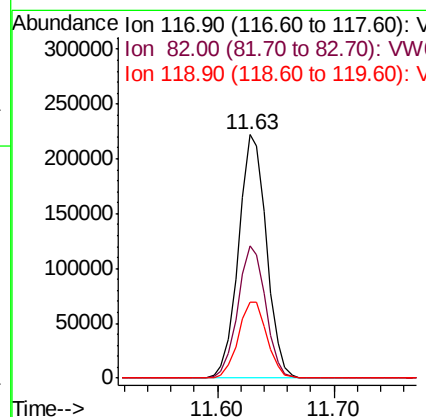
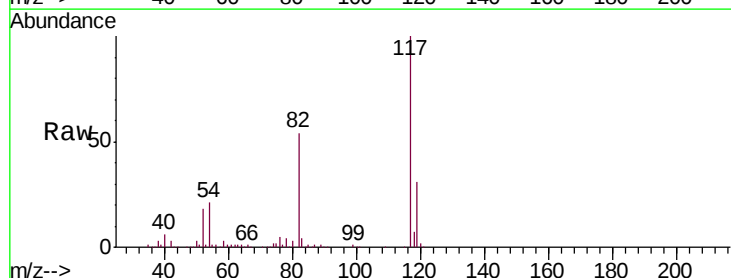
Instrument :
MSVOA_W
ClientSampleId :
SB-48-6.5-7.0

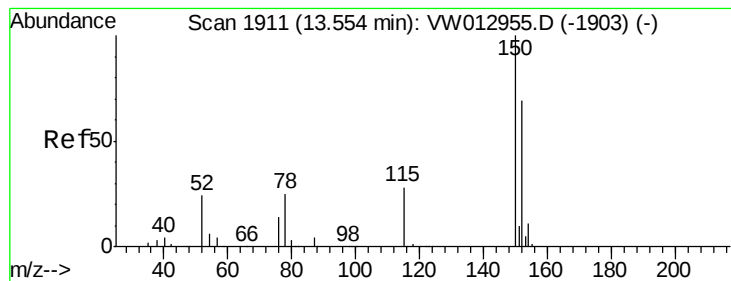
Tgt Ion: 95 Resp: 161539
Ion Ratio Lower Upper
95 100
174 87.5 0.0 170.4
176 84.6 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013121.D
Acq: 18 Sep 2019 18:37

Tgt Ion: 117 Resp: 371101
Ion Ratio Lower Upper
117 100
82 54.3 46.3 69.5
119 31.2 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: VW013121.D

Acq: 18 Sep 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

SB-48-6.5-7.0

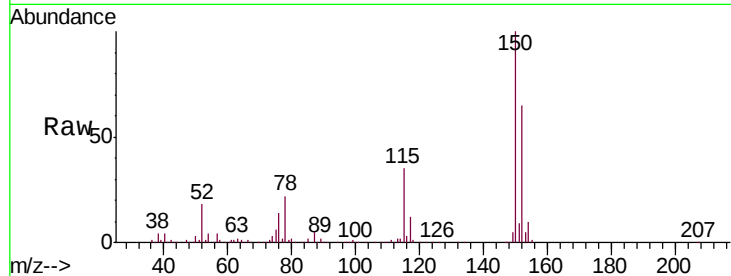
Tgt Ion: 152 Resp: 164439

Ion Ratio Lower Upper

152 100

115 55.7 28.8 86.4

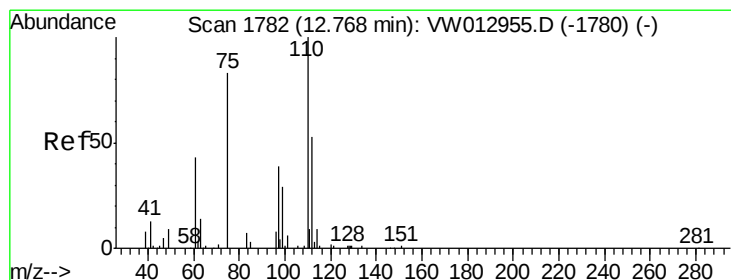
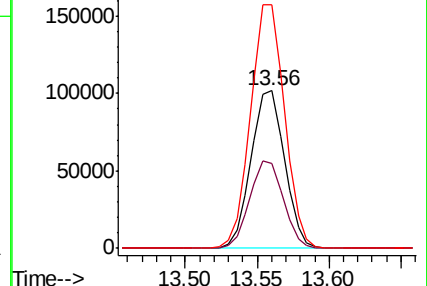
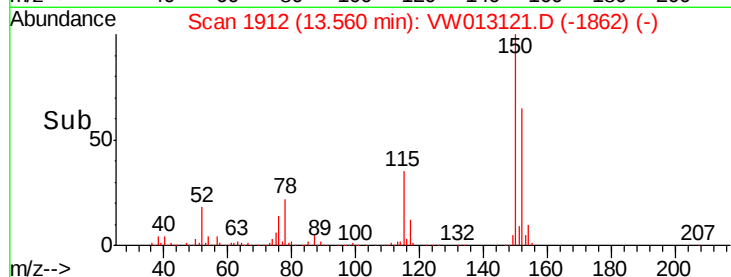
150 155.8 0.0 340.2



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: 53.324 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013121.D

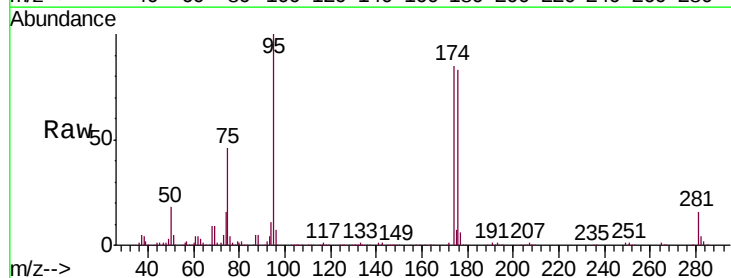
Acq: 18 Sep 2019 18:37

Tgt Ion: 75 Resp: 76806

Ion Ratio Lower Upper

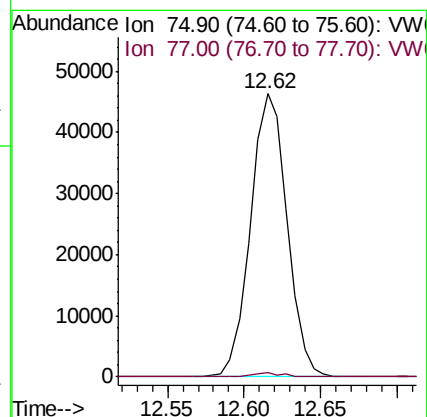
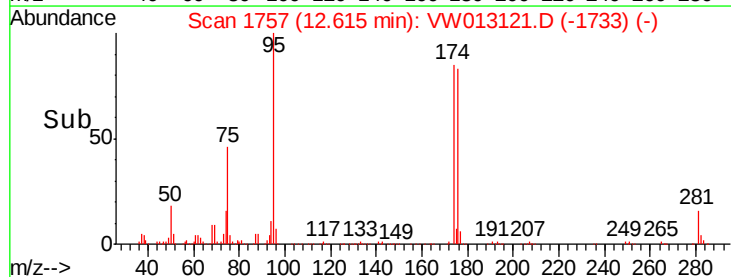
75 100

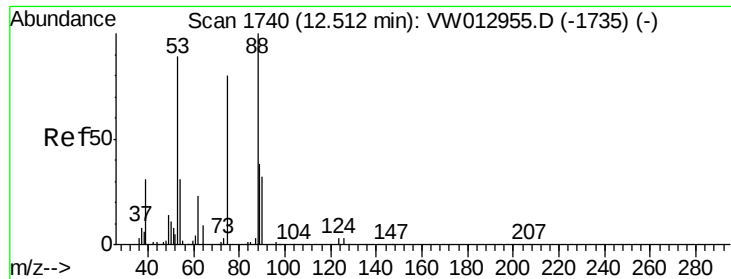
77 1.3 0.0 0.0#



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: 120.965 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013121.D

Acq: 18 Sep 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

SB-48-6.5-7.0

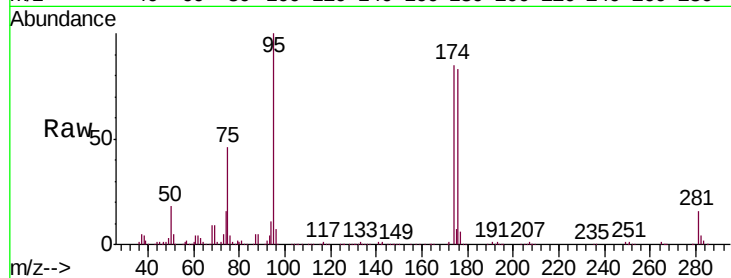
Tgt Ion: 75 Resp: 76806

Ion Ratio Lower Upper

75 100

53 0.1 85.6 128.4#

89 0.3 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

