

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013099.D
 Acq On : 17 Sep 2019 19:04
 Operator : SY/VA
 Sample : K4847-05
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 05:34:53 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

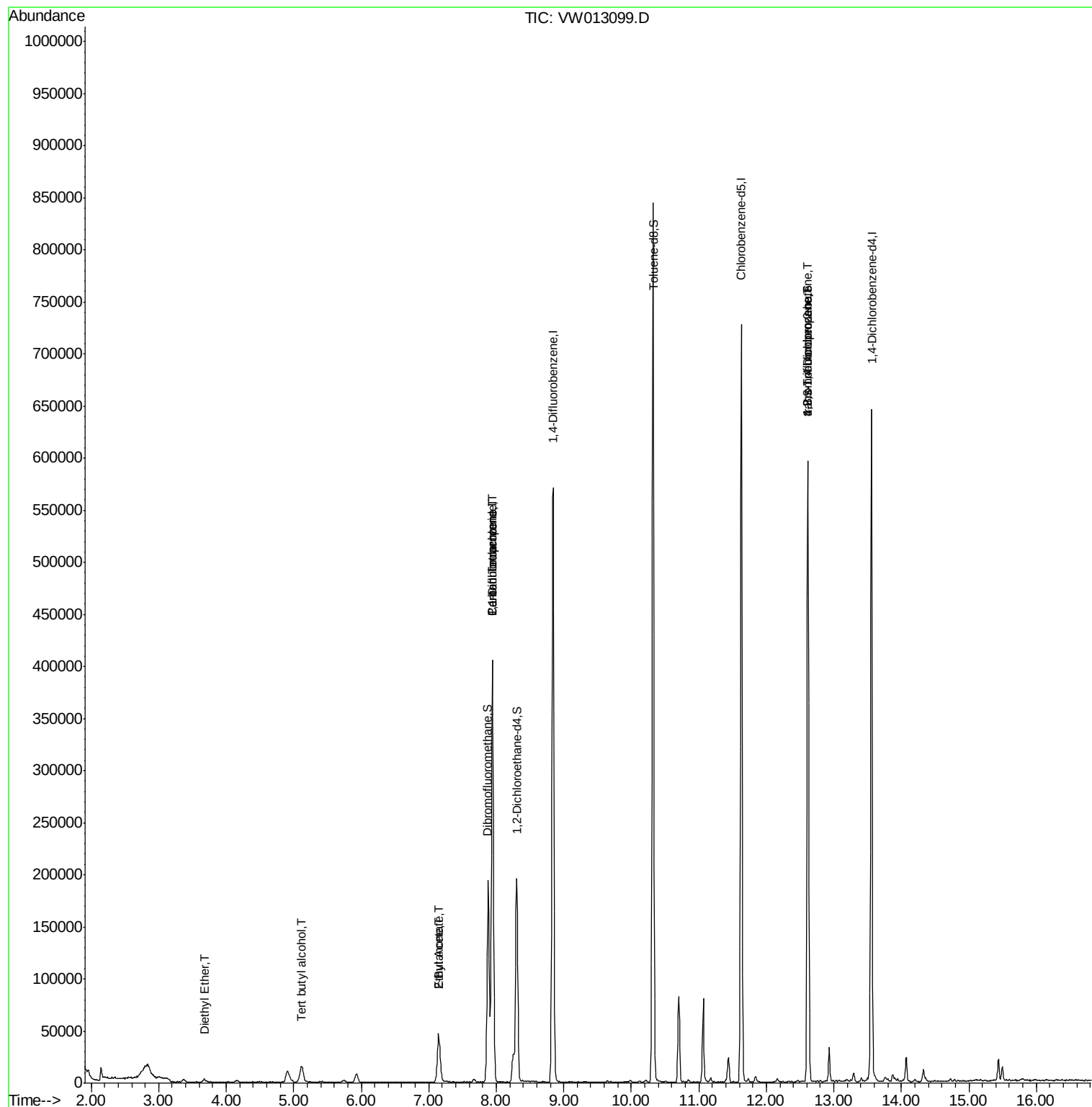
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	312371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	472207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	396856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174739	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	157720	54.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.34%	
35) Dibromofluoromethane	7.88	113	136127	53.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.26%	
50) Toluene-d8	10.32	98	552885	55.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.28%	
62) 4-Bromofluorobenzene	12.62	95	179624	49.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.64%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	90	Below Cal	#	44
3) Chloromethane	2.21	50	302	Below Cal	#	41
8) Diethyl Ether	3.67	74	1482	1.214 ug/l	#	41
11) Tert butyl alcohol	5.12	59	14440	57.669 ug/l	#	75
13) Acrolein	3.93	56	80	Below Cal	#	15
16) Acetone	4.15	43	3668	Below Cal		95
20) Methylene Chloride	4.91	84	8861	Below Cal	#	95
25) 2-Butanone	7.14	43	3001	3.271 ug/l	#	87
26) 2,2-Dichloropropane	7.14	77	3620	Below Cal	#	55
31) Cyclohexane	7.95	56	6560	Below Cal	#	2
36) 1,1-Dichloropropene	7.94	75	24355	6.454 ug/l	#	51
37) Ethyl Acetate	7.14	43	3001	1.498 ug/l	#	28
38) Carbon Tetrachloride	7.95	117	28851	7.461 ug/l	#	14
76) 1,2,3-Trichloropropane	12.62	75	91426	59.733 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.62	75	91426	135.503 ug/l	#	7

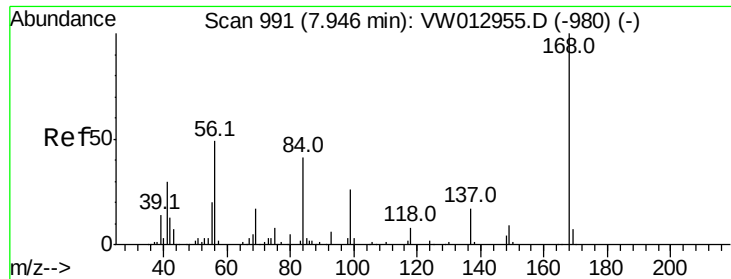
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013099.D

Acq: 17 Sep 2019 19:04

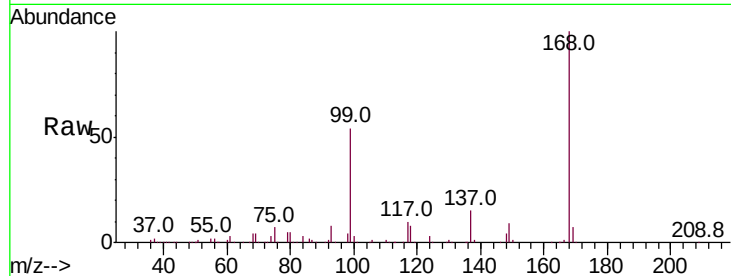
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 312371

Ion Ratio Lower Upper

168 100

99 53.5 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

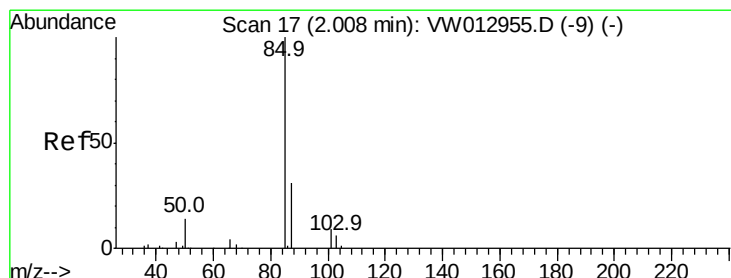
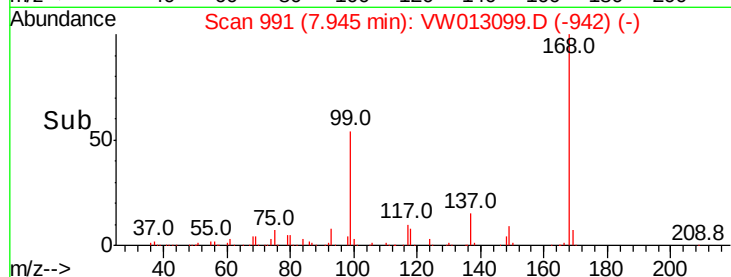
100000

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: VW013099.D

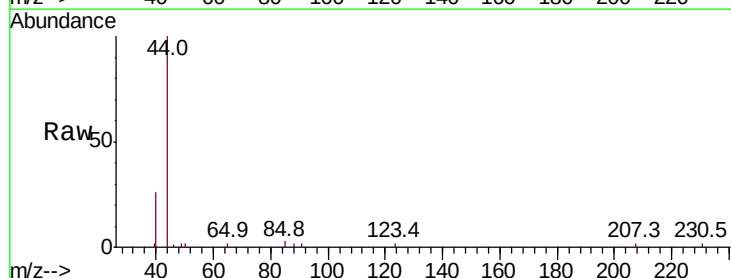
Acq: 17 Sep 2019 19:04

Tgt Ion: 85 Resp: 90

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

100

80

60

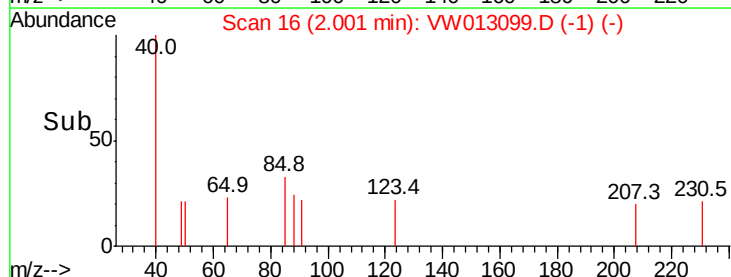
40

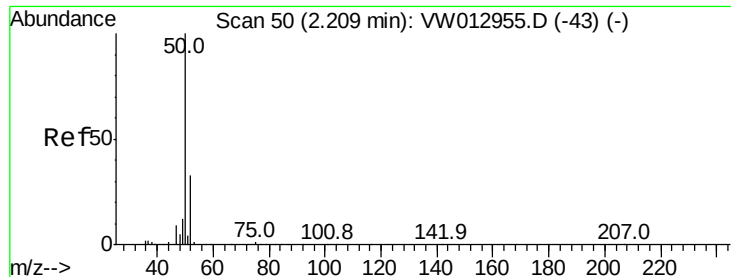
20

0

Time-->

1.98 2.00 2.02





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013099.D

Acq: 17 Sep 2019 19:04

Instrument :

MSVOA_W

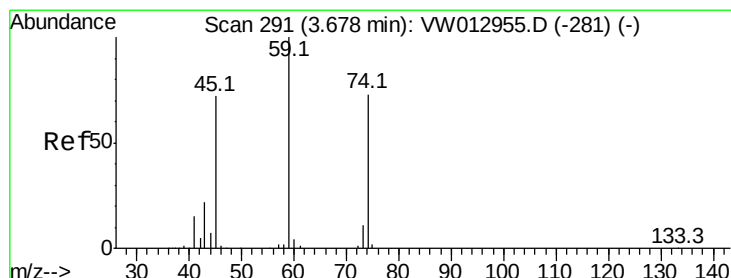
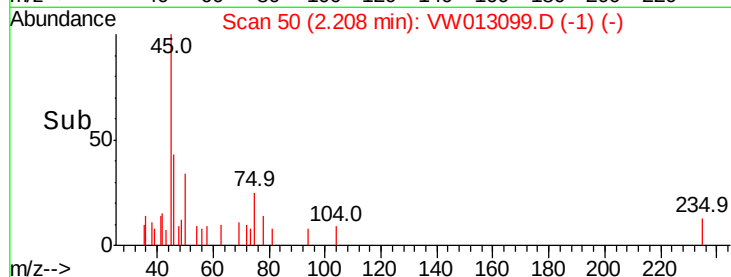
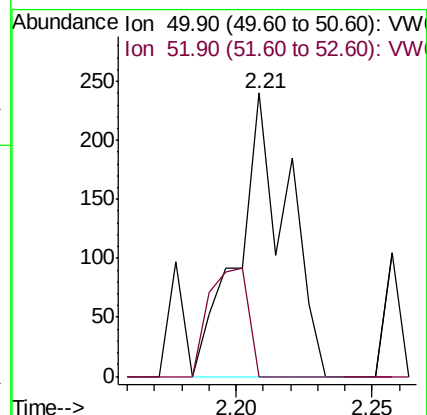
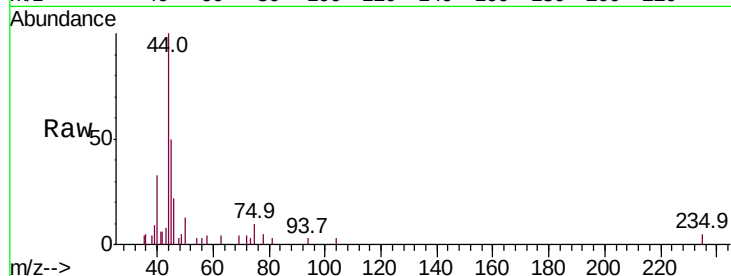
ClientSampled :

Tot Ion: 50 Resp: 302

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#8

Diethyl Ether

Concen: 1.214 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW013099.D

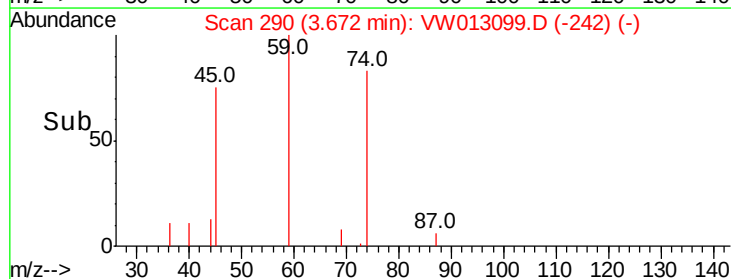
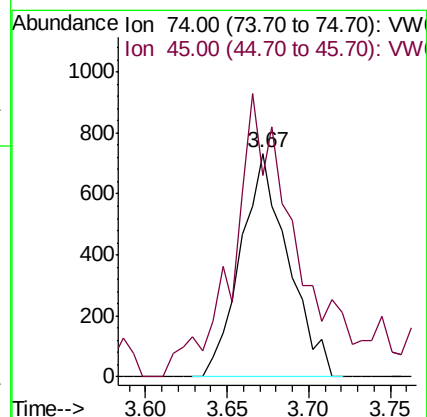
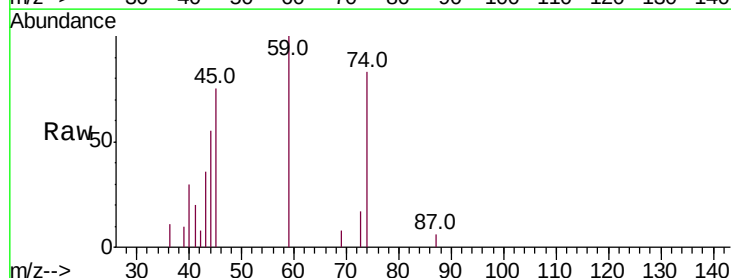
Acq: 17 Sep 2019 19:04

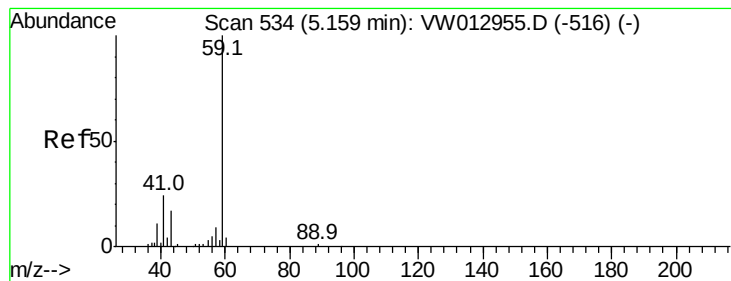
Tgt Ion: 74 Resp: 1482

Ion Ratio Lower Upper

74 100

45 169.6 53.8 161.4#



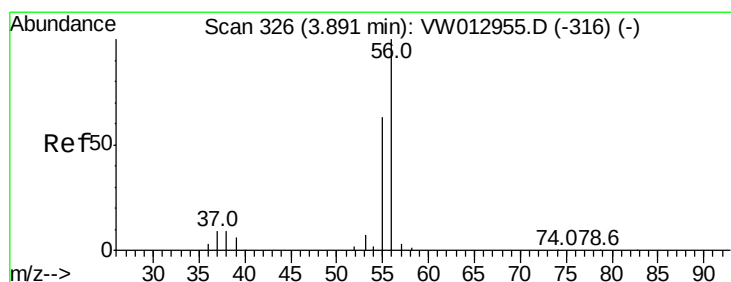
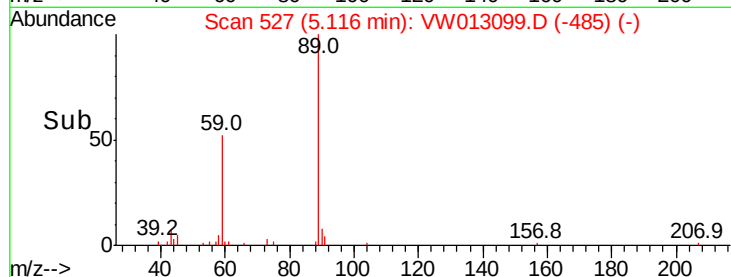
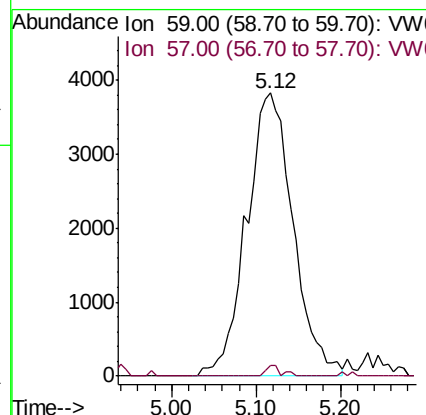
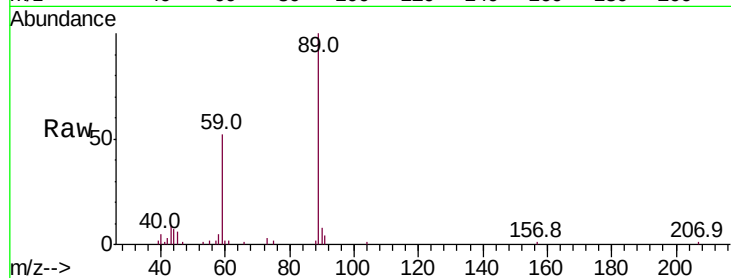


#11

Tert butyl alcohol
Concen: 57.669 ug/l
RT: 5.12 min Scan# 527
Delta R.T. -0.04 min
Lab File: VW013099.D
Acq: 17 Sep 2019 19:04

Instrument :
MSVOA_W
ClientSampled :

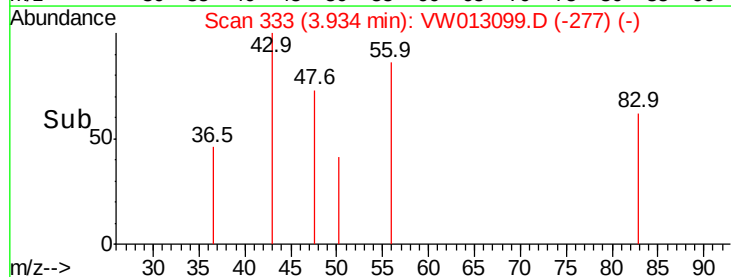
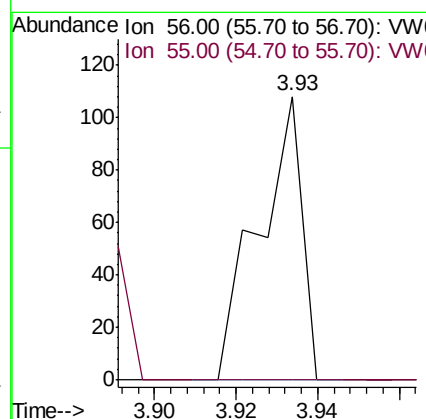
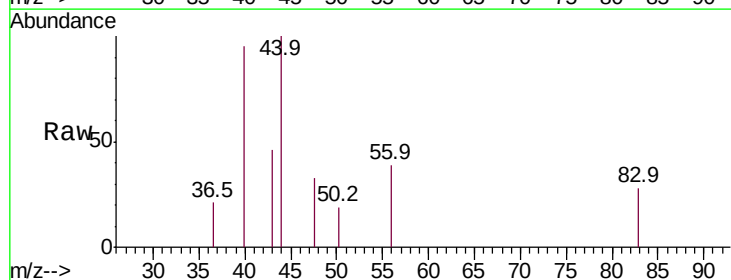
Tot Ion: 59 Resp: 14440
Ion Ratio Lower Upper
59 100
57 1.2 8.5 12.7#

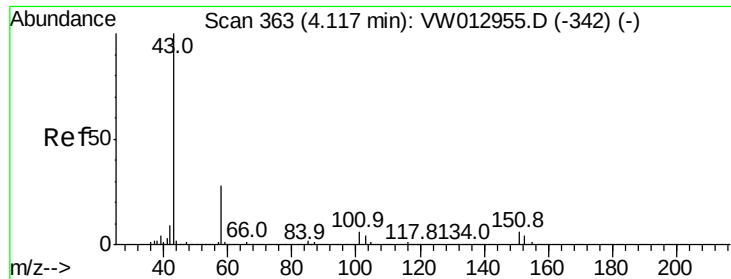


#13

Acrolein
Concen: Below Cal
RT: 3.93 min Scan# 333
Delta R.T. 0.04 min
Lab File: VW013099.D
Acq: 17 Sep 2019 19:04

Tgt Ion: 56 Resp: 80
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

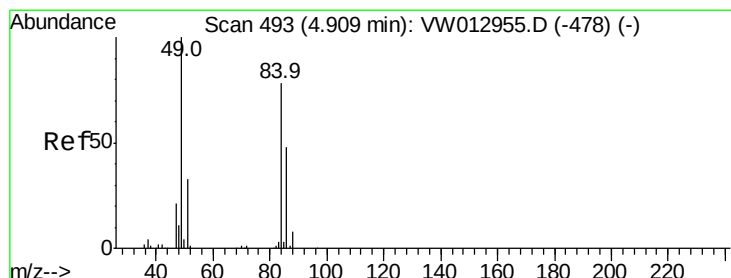
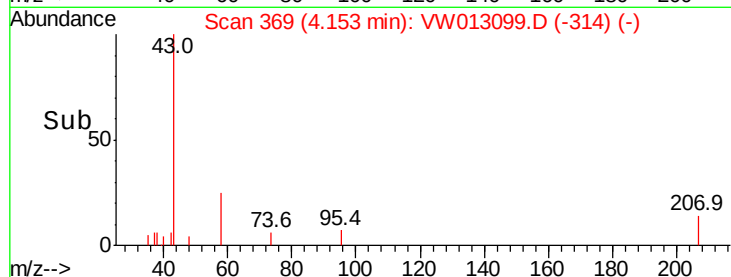
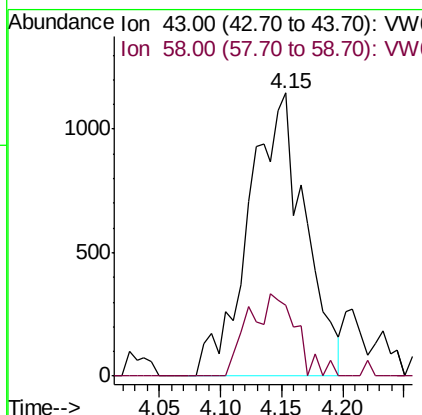
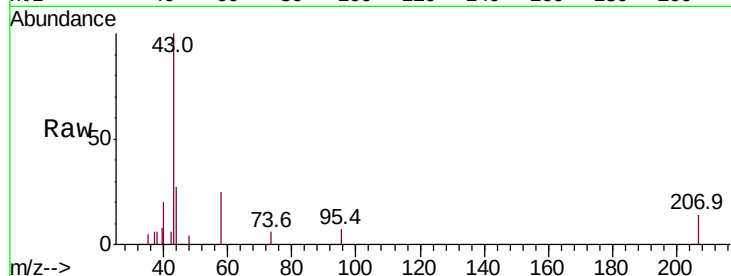




#16
Acetone
Concen: Below Cal
RT: 4.15 min Scan# 369
Delta R.T. 0.04 min
Lab File: VW013099.D
Acq: 17 Sep 2019 19:04

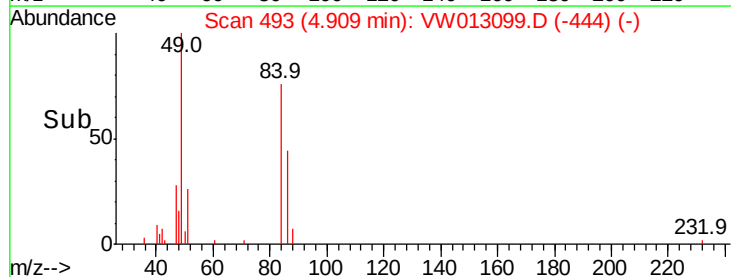
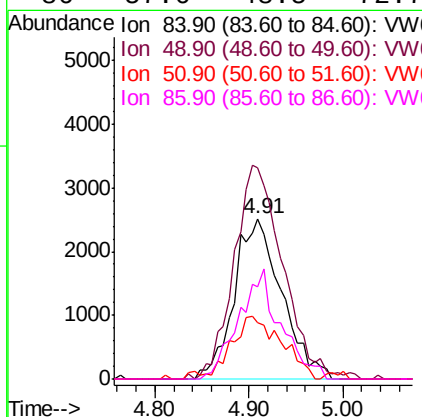
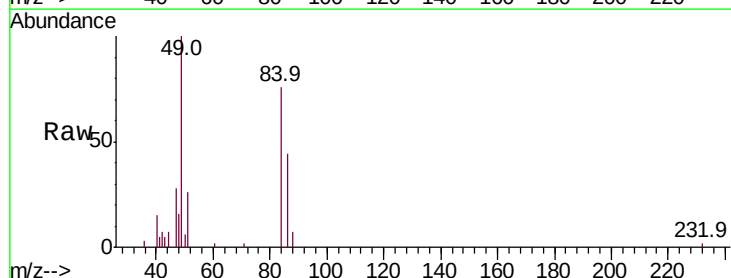
Instrument :
MSVOA_W
ClientSampleId :

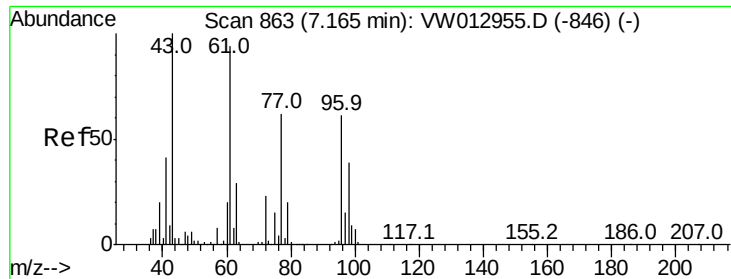
Tot Ion: 43 Resp: 3668
Ion Ratio Lower Upper
43 100
58 25.1 22.3 33.5



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013099.D
Acq: 17 Sep 2019 19:04

Tgt Ion: 84 Resp: 8861
Ion Ratio Lower Upper
84 100
49 128.7 102.0 153.0
51 32.5 34.0 51.0#
86 57.6 48.5 72.7





#25

2-Butanone

Concen: 3.271 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013099.D

Acq: 17 Sep 2019 19:04

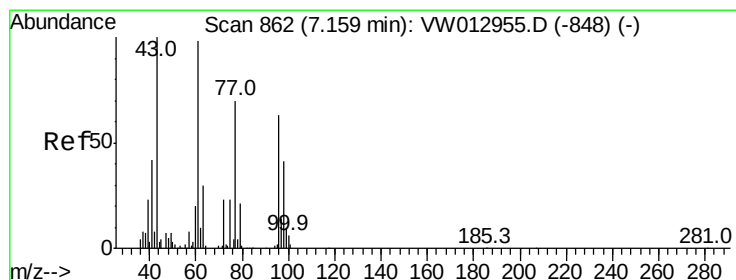
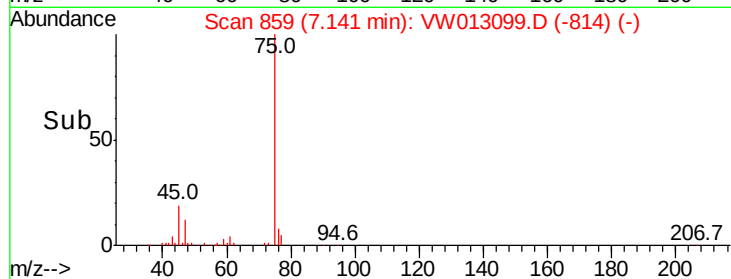
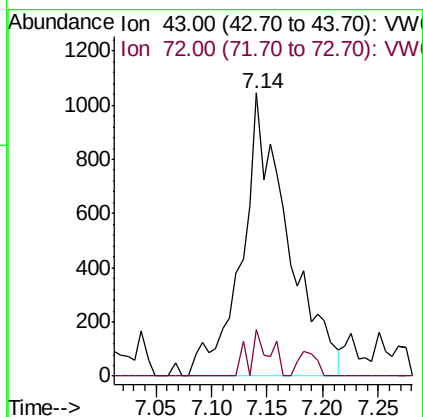
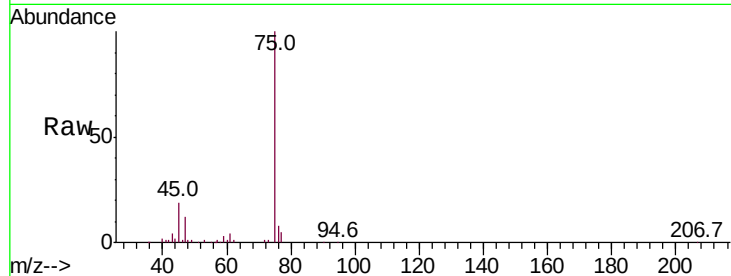
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 3001

Ion Ratio Lower Upper

43 100

72 16.5 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: VW013099.D

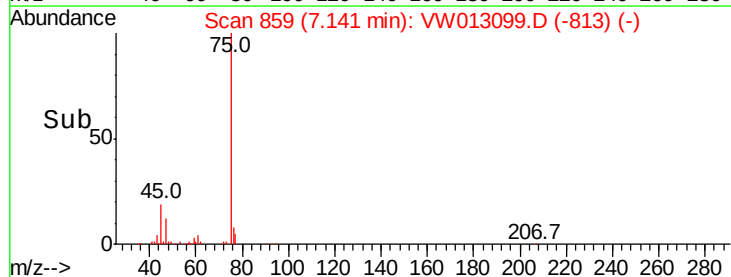
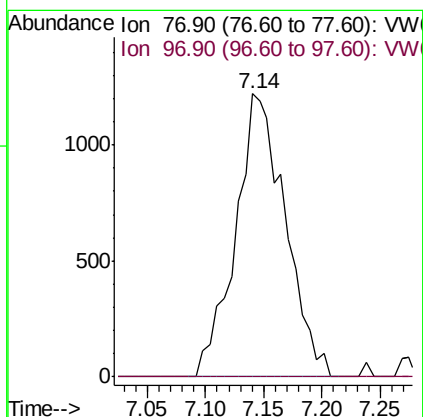
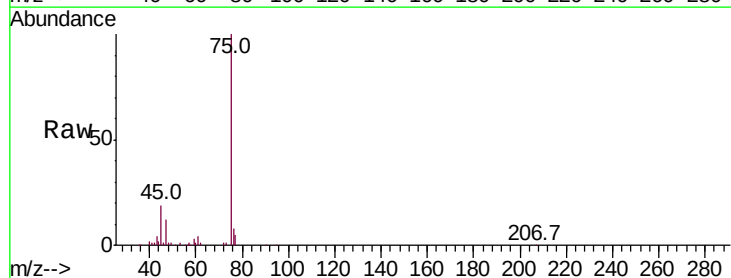
Acq: 17 Sep 2019 19:04

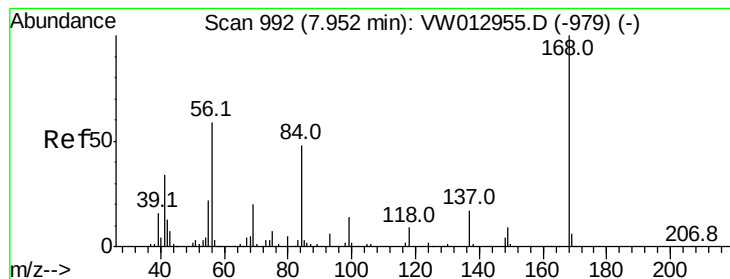
Tgt Ion: 77 Resp: 3620

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

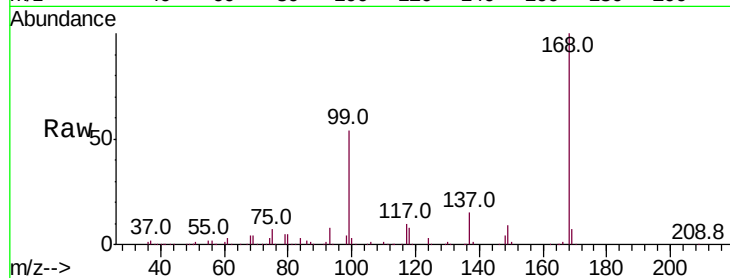
Lab File: VW013099.D

Acq: 17 Sep 2019 19:04

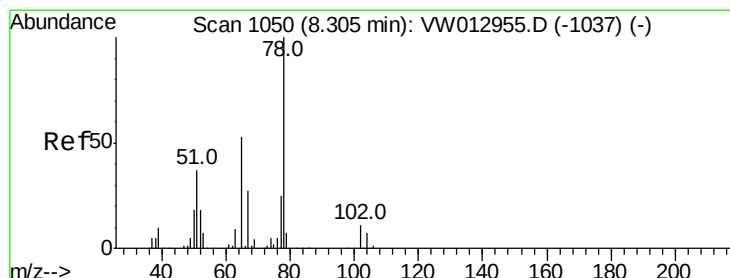
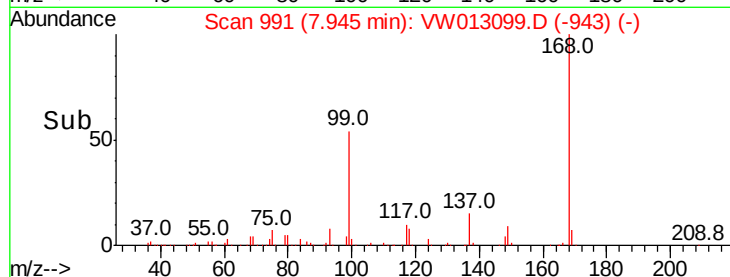
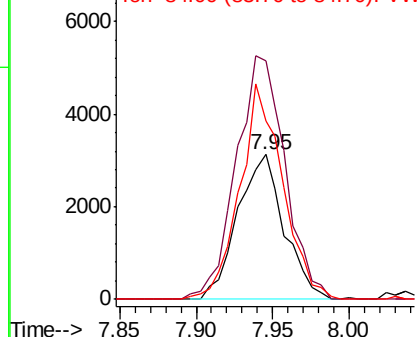
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 6560

Ion	Ratio	Lower	Upper
56	100		
69	164.6	27.0	40.6#
84	122.9	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: 54.670 ug/l

RT: 8.30 min Scan# 1049

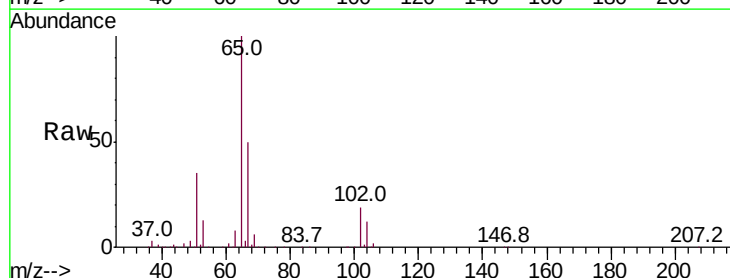
Delta R.T. -0.01 min

Lab File: VW013099.D

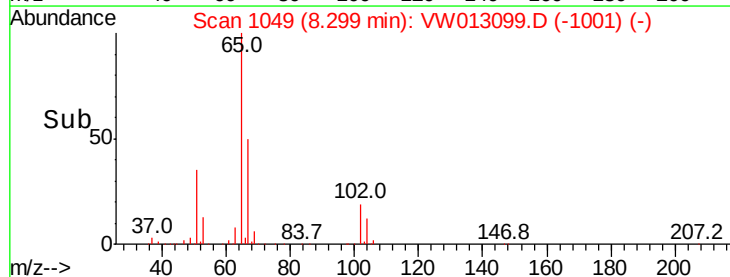
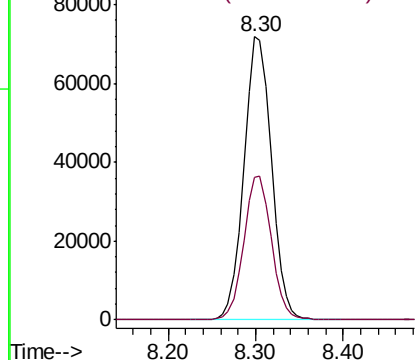
Acq: 17 Sep 2019 19:04

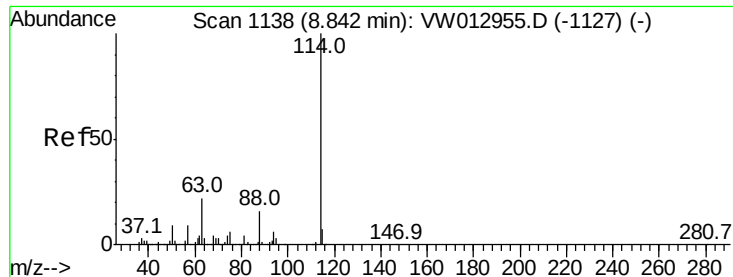
Tgt Ion: 65 Resp: 157720

Ion	Ratio	Lower	Upper
65	100		
67	50.9	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: VW013099.D

Acq: 17 Sep 2019 19:04

Instrument :

MSVOA_W

ClientSampleId :

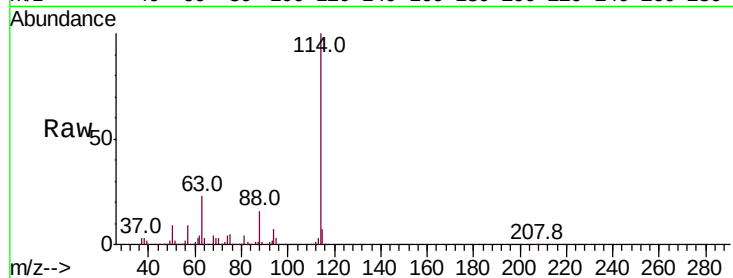
Tot Ion:114 Resp: 472207

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.4

88 16.3 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

300000

250000

200000

150000

100000

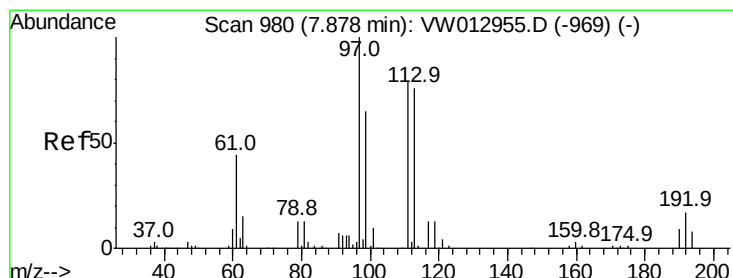
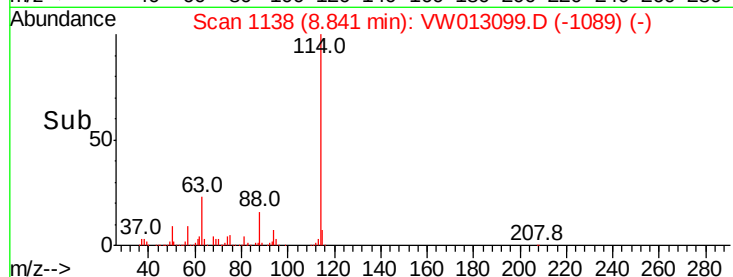
50000

0

8.84

8.70 8.80 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 53.128 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013099.D

Acq: 17 Sep 2019 19:04

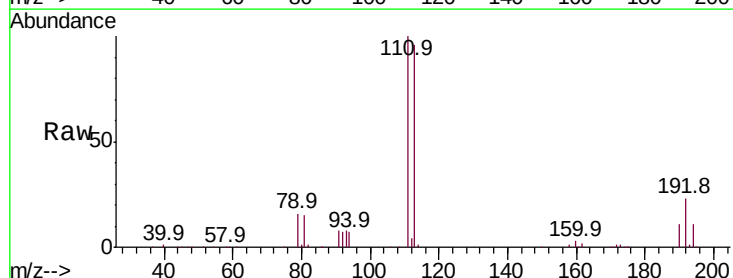
Tgt Ion:113 Resp: 136127

Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

192 22.6 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

80000

60000

40000

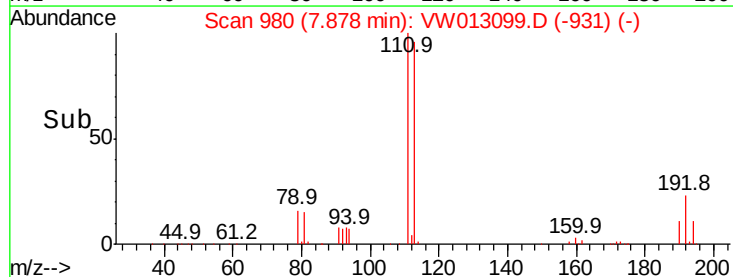
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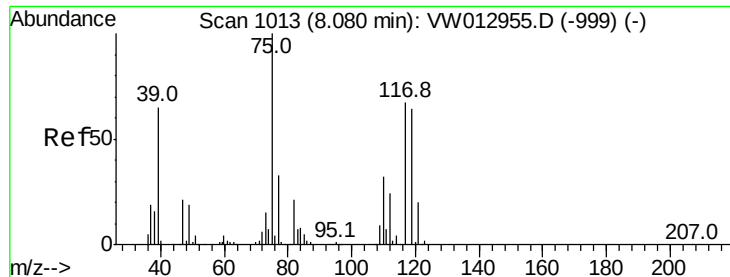
0

7.88

7.80 7.90 8.00

Time-->

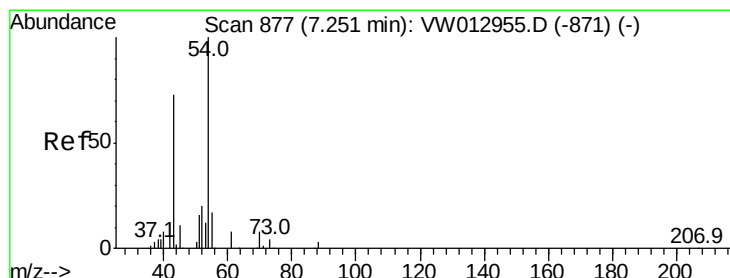
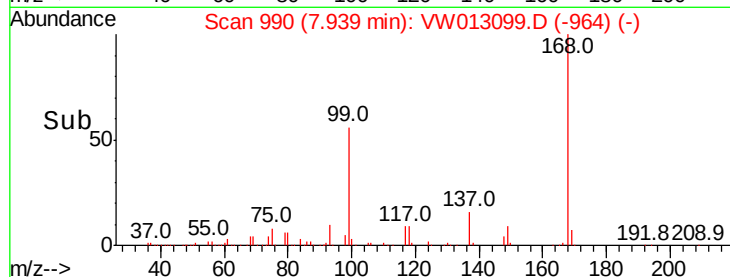
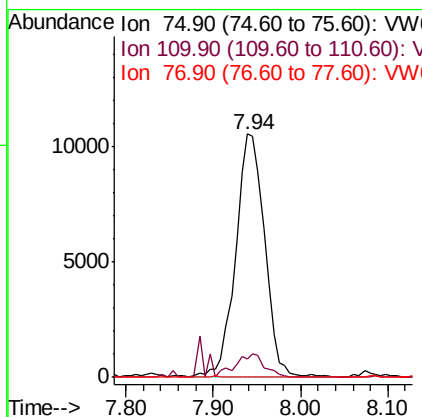
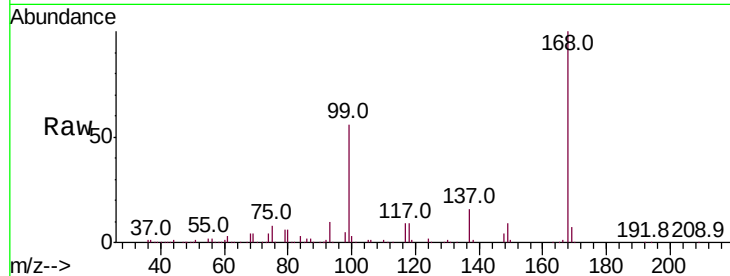




#36
 1,1-Dichloropropene
 Concen: 6.454 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013099.D
 Acq: 17 Sep 2019 19:04

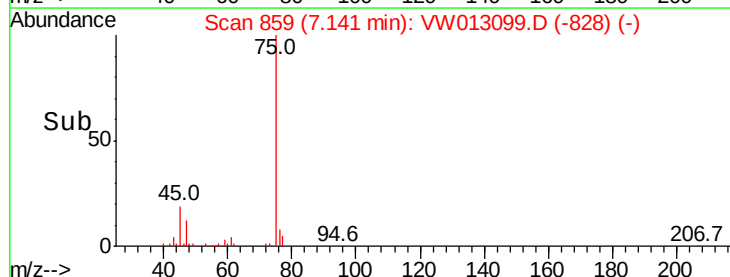
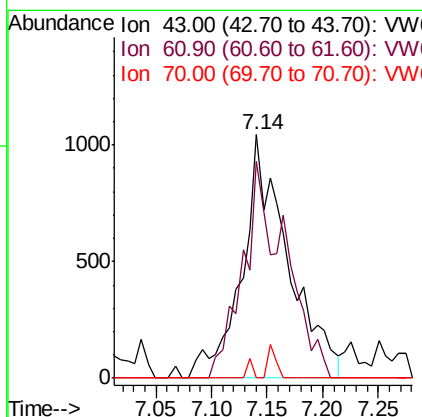
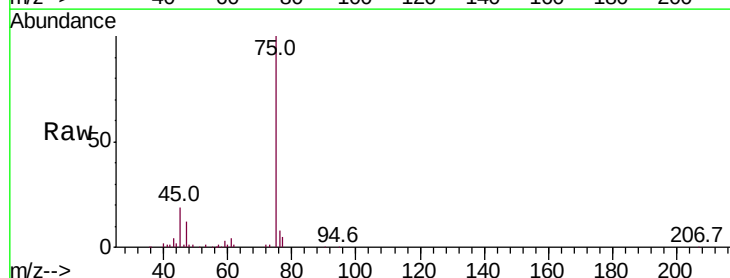
Instrument :
 MSVOA_W
 ClientSampled :

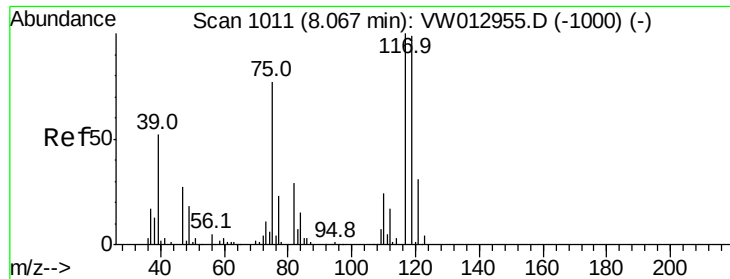
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.4	49.1#
77	0.0	25.1	37.7#



#37
 Ethyl Acetate
 Concen: 1.498 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.11 min
 Lab File: VW013099.D
 Acq: 17 Sep 2019 19:04

Tgt Ion	Ratio	Lower	Upper
43	100		
61	55.0	9.6	14.4#
70	1.0	7.6	11.4#

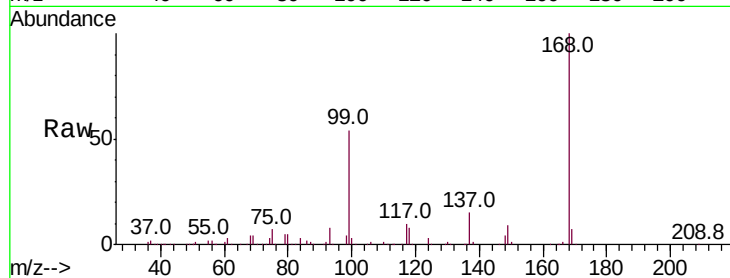




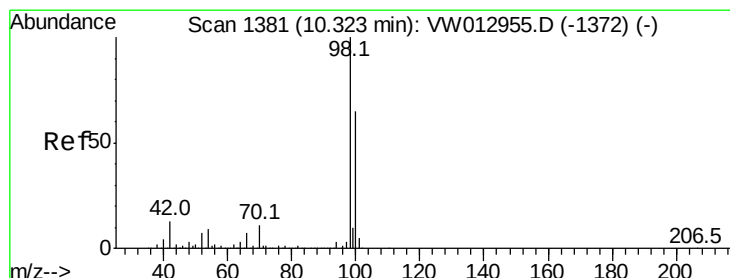
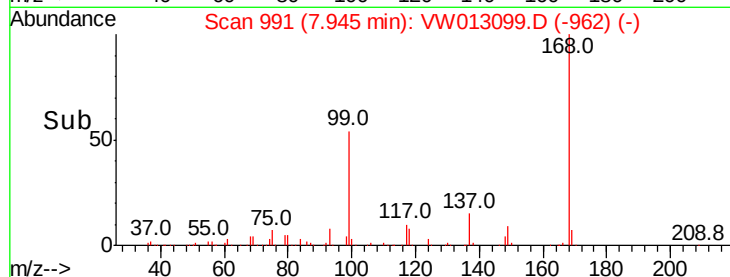
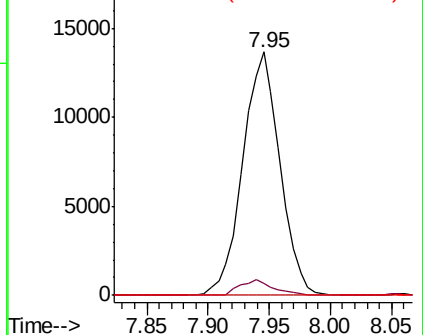
#38
Carbon Tetrachloride
Concen: 7.461 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013099.D
Acq: 17 Sep 2019 19:04

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 28851
Ion Ratio Lower Upper
117 100
119 4.7 79.4 119.0#
121 0.0 24.6 36.8#

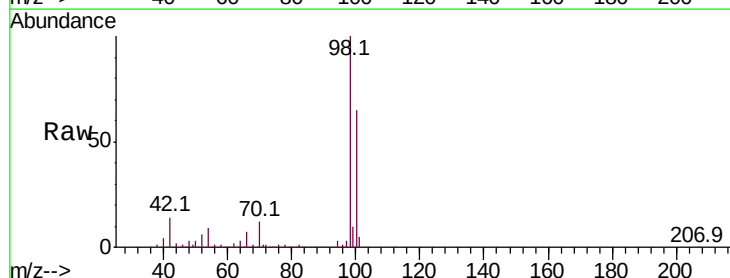


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

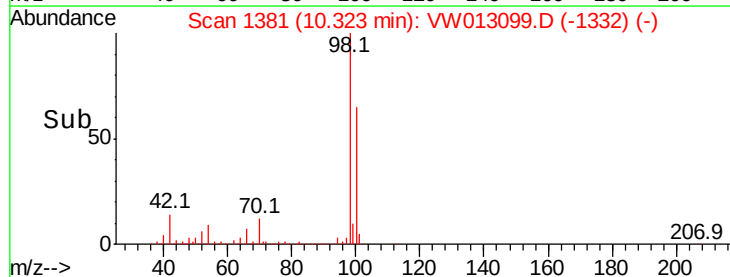
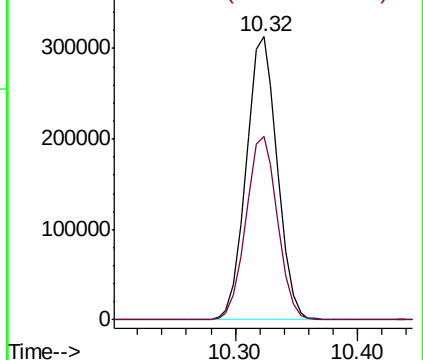


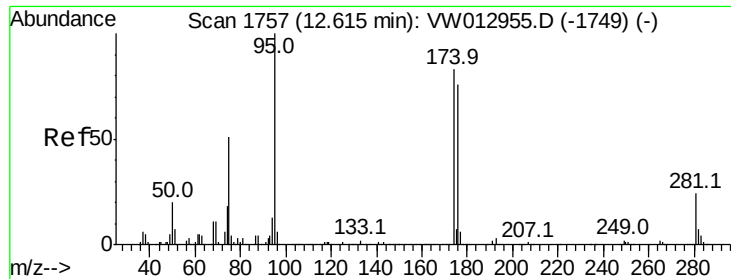
#50
Toluene-d8
Concen: 55.143 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013099.D
Acq: 17 Sep 2019 19:04

Tgt Ion: 98 Resp: 552885
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): V

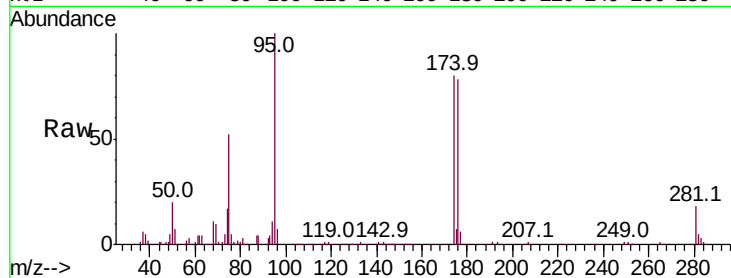




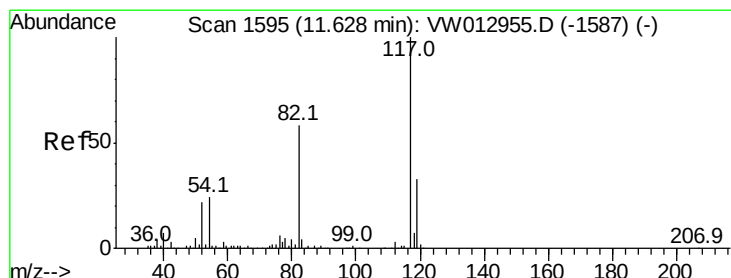
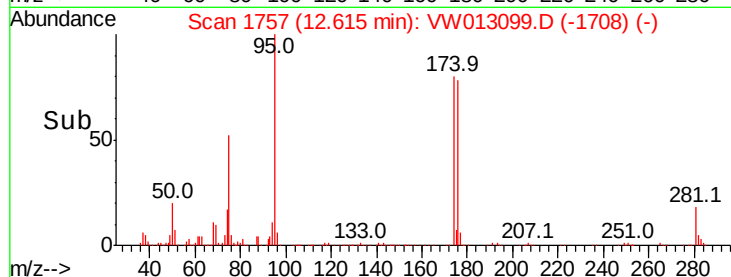
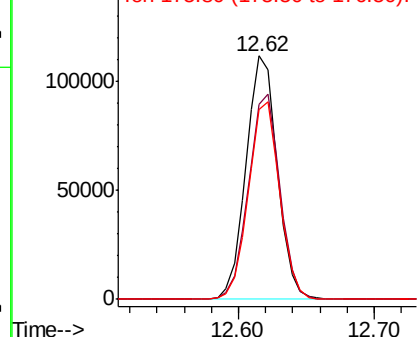
#62
4-Bromofluorobenzene
Concen: 49.823 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013099.D
Acq: 17 Sep 2019 19:04

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 95 Resp: 179624
Ion Ratio Lower Upper
95 100
174 85.1 0.0 170.4
176 81.2 0.0 164.6

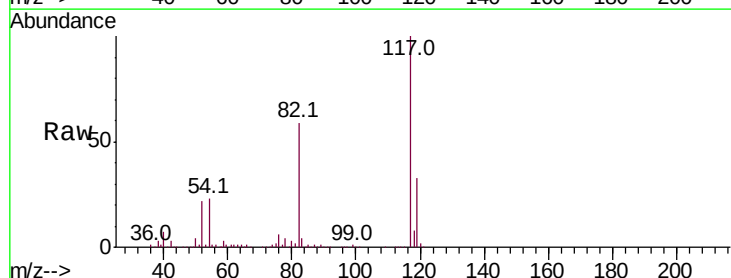


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

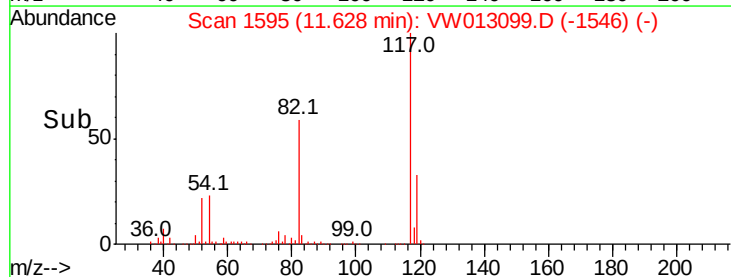
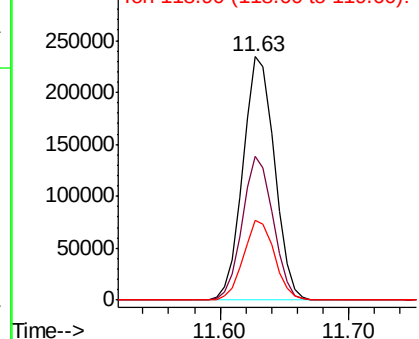


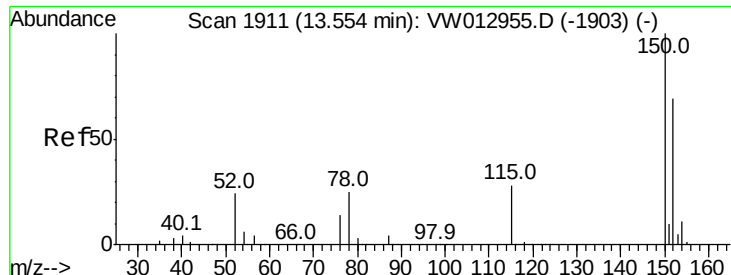
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013099.D
Acq: 17 Sep 2019 19:04

Tgt Ion: 117 Resp: 396856
Ion Ratio Lower Upper
117 100
82 59.2 46.3 69.5
119 32.6 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: VW013099.D

Acq: 17 Sep 2019 19:04

Instrument :

MSVOA_W

ClientSampled :

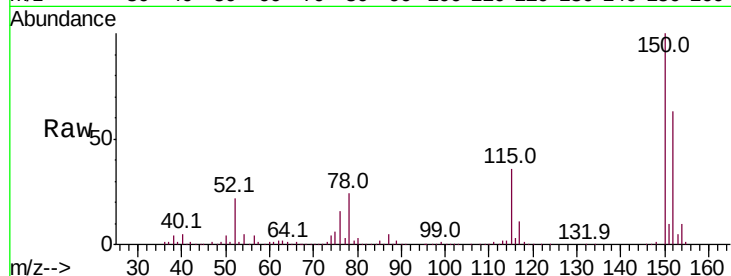
Tot Ion:152 Resp: 174739

Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.4

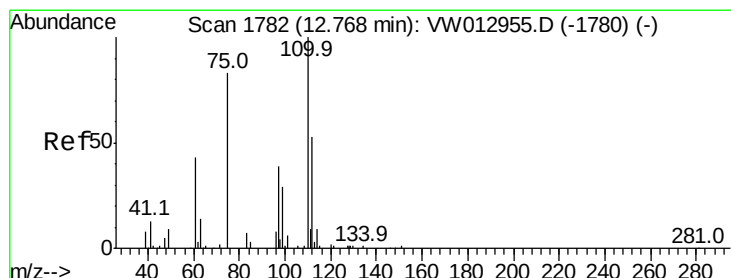
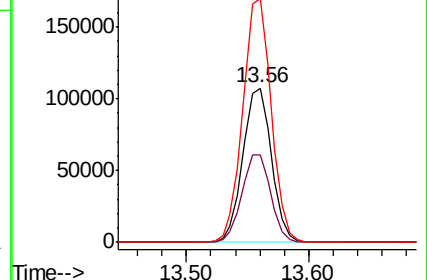
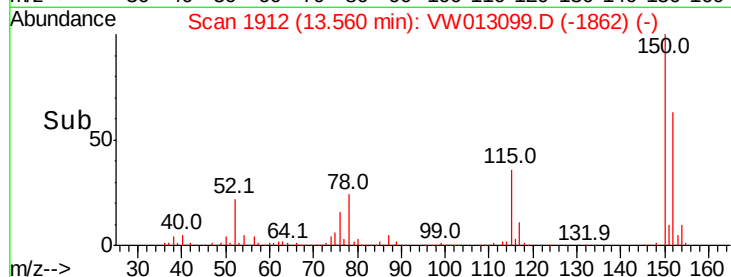
150 156.0 0.0 340.2



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: 59.733 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013099.D

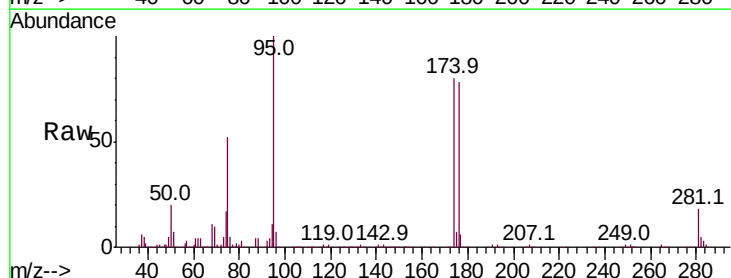
Acq: 17 Sep 2019 19:04

Tgt Ion: 75 Resp: 91426

Ion Ratio Lower Upper

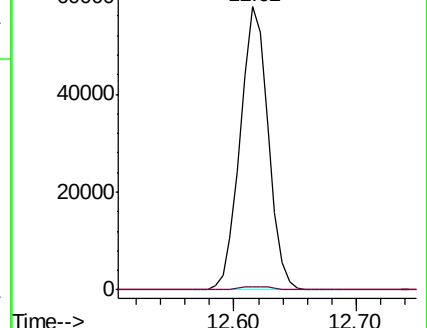
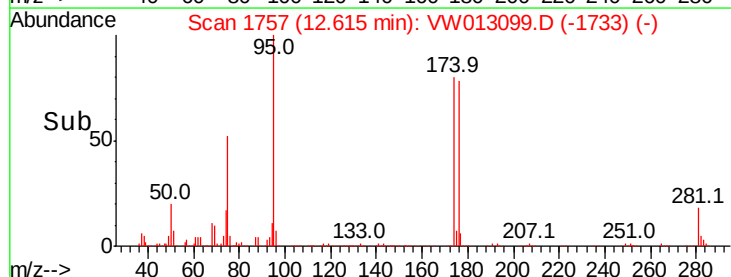
75 100

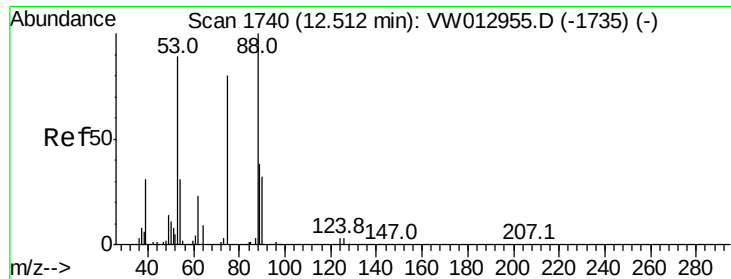
77 1.3 0.0 0.0#



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: 135.503 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013099.D

Acq: 17 Sep 2019 19:04

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 91426

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.2 37.2 55.8#

