

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013018.D
 Acq On : 15 Sep 2019 03:35
 Operator : SY/VA
 Sample : K4739-02
 Misc : 5.54G/5ML/MSVOA W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:58:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

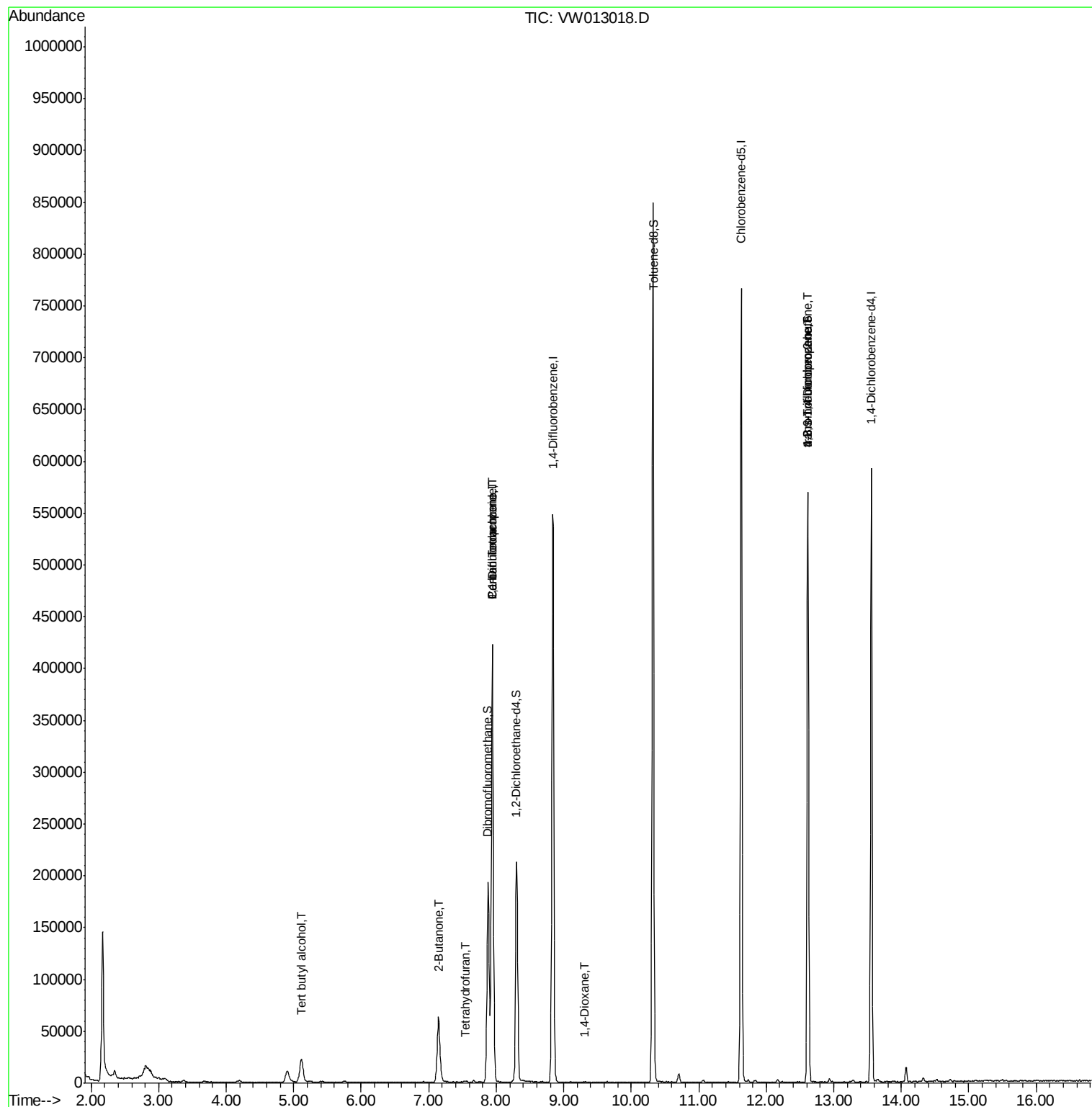
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	314978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	454725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	408701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156328	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	174649	60.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.08%	
35) Dibromofluoromethane	7.88	113	140122	56.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.58%	
50) Toluene-d8	10.32	98	554357	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	
62) 4-Bromofluorobenzene	12.62	95	183127	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.03	85	26	Below Cal	#	44
3) Chloromethane	2.23	50	161	Below Cal	#	84
11) Tert butyl alcohol	5.12	59	21252	94.937	ug/l #	75
13) Acrolein	3.90	56	24	Below Cal	#	15
16) Acetone	4.12	43	104	Below Cal	#	47
20) Methylene Chloride	4.90	84	7934	Below Cal	#	86
25) 2-Butanone	7.14	43	3589	3.880	ug/l #	78
26) 2,2-Dichloropropane	7.15	77	4622	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	1027	1.949	ug/l #	76
31) Cyclohexane	7.94	56	7053	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	23748	6.536	ug/l #	51
38) Carbon Tetrachloride	7.94	117	29989	8.054	ug/l #	14
49) 1,4-Dioxane	9.31	88	26	1.202	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	94673	69.139	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	94673	156.841	ug/l #	7

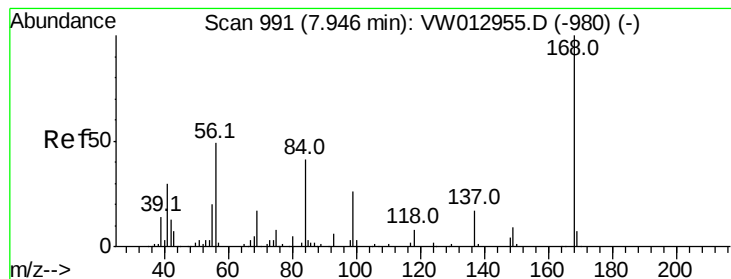
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013018.D

Acq: 15 Sep 2019 03:35

Instrument :

MSVOA_W

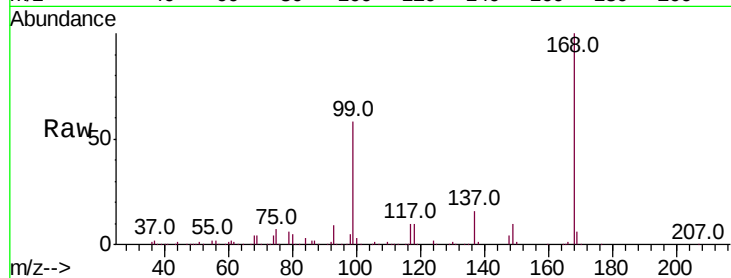
ClientSampled :

Tot Ion:168 Resp: 314978

Ion Ratio Lower Upper

168 100

99 58.1 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.94

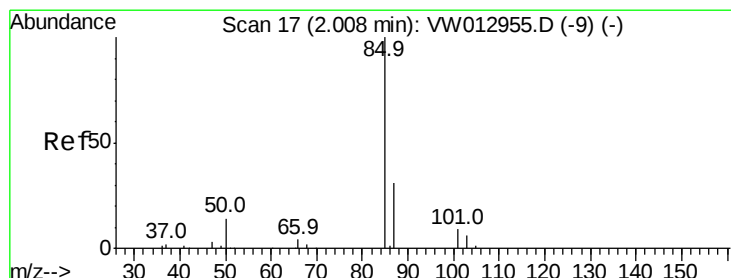
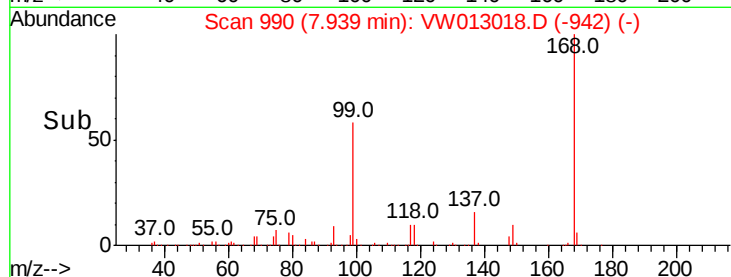
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.03 min Scan# 20

Delta R.T. 0.02 min

Lab File: VW013018.D

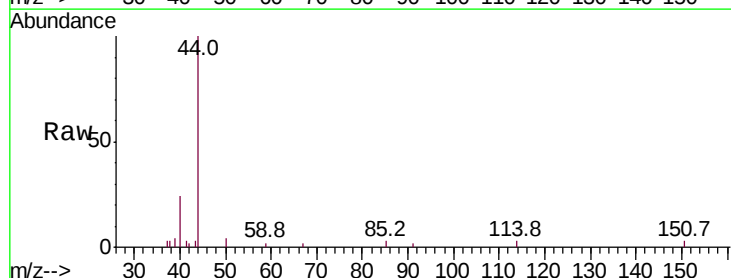
Acq: 15 Sep 2019 03:35

Tgt Ion: 85 Resp: 26

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

2.03

80

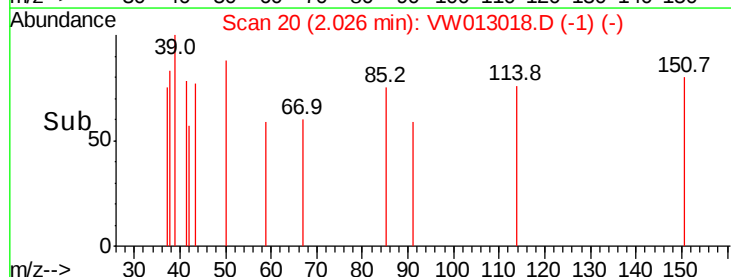
60

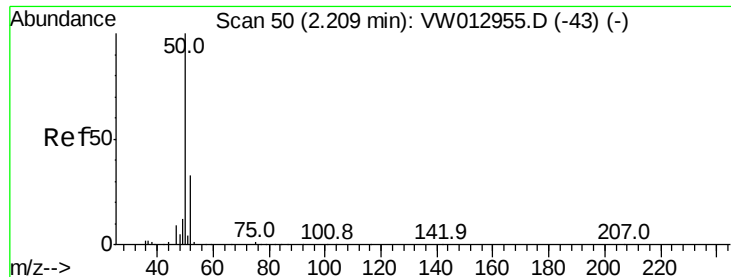
40

20

0

Time--> 2.01 2.02 2.03 2.04





#3

Chloromethane

Concen: Below Cal

RT: 2.23 min Scan# 54

Delta R.T. 0.03 min

Lab File: VW013018.D

Acq: 15 Sep 2019 03:35

Instrument :

MSVOA_W

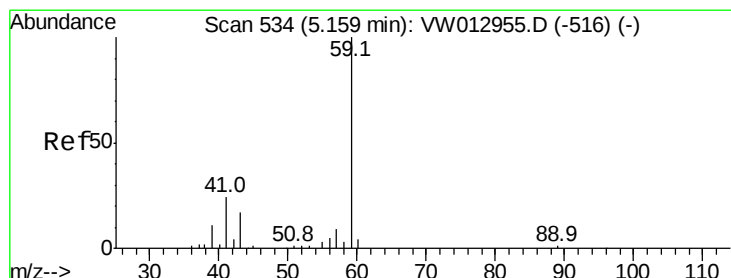
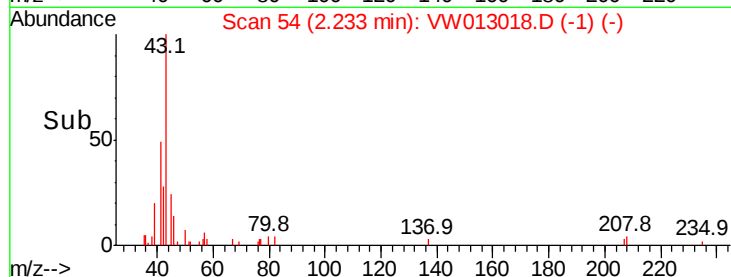
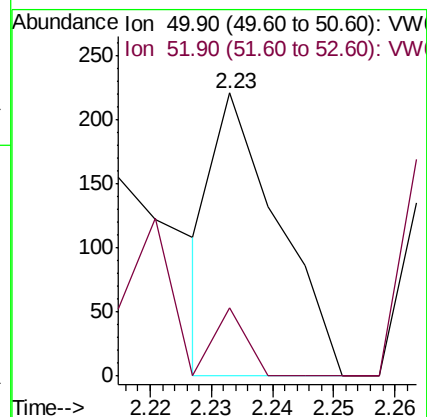
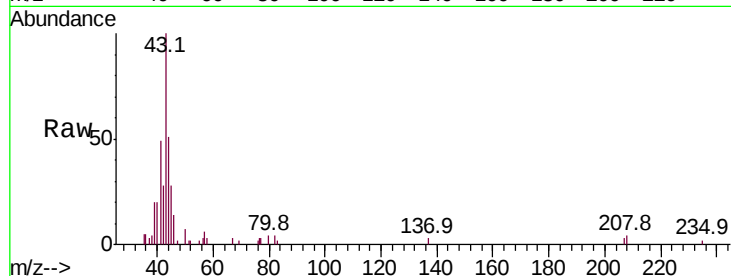
ClientSampleId :

Tot Ion: 50 Resp: 161

Ion Ratio Lower Upper

50 100

52 24.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: 94.937 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW013018.D

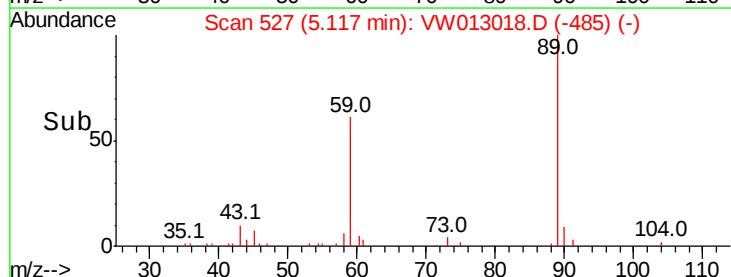
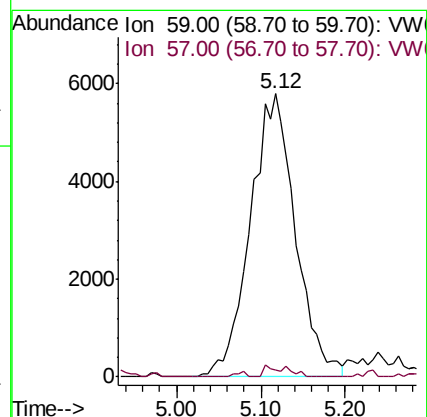
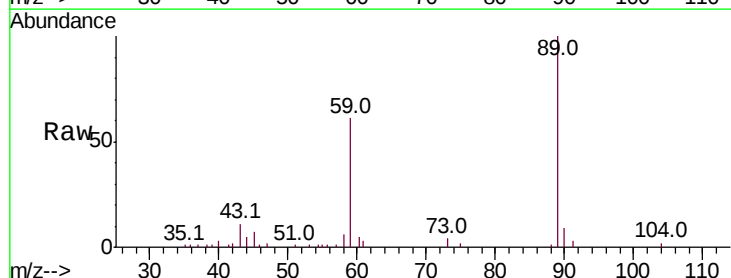
Acq: 15 Sep 2019 03:35

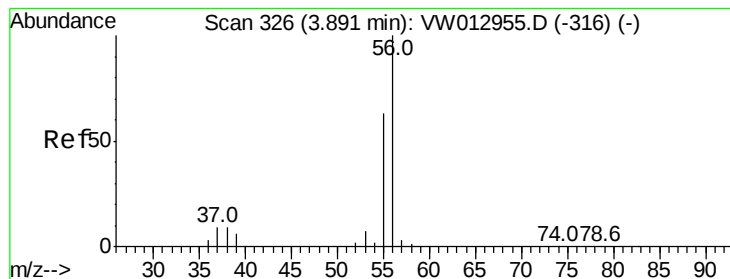
Tgt Ion: 59 Resp: 21252

Ion Ratio Lower Upper

59 100

57 1.1 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013018.D

Acq: 15 Sep 2019 03:35

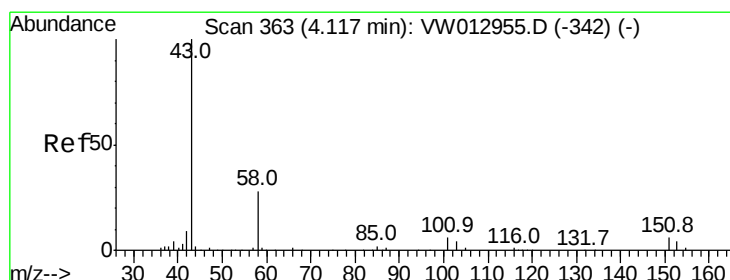
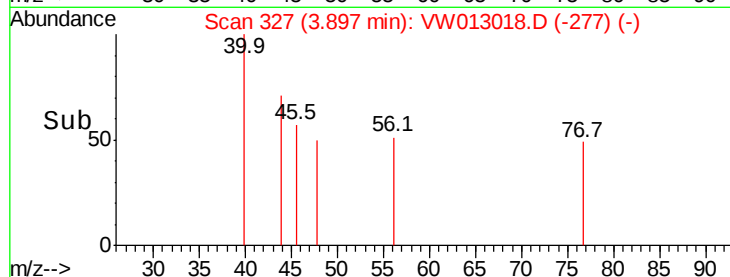
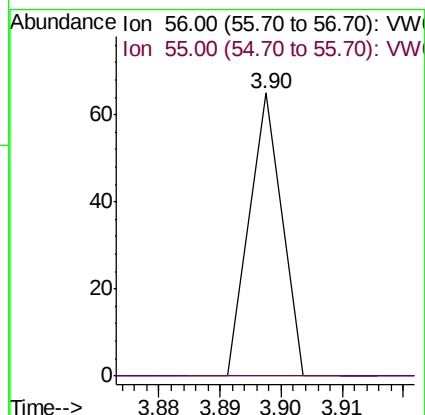
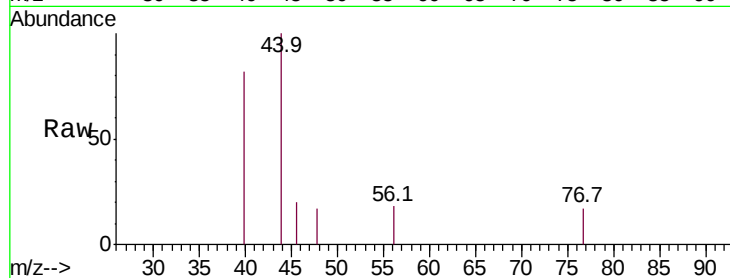
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 24

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW013018.D

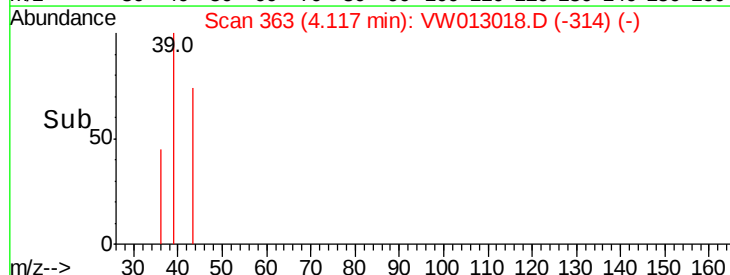
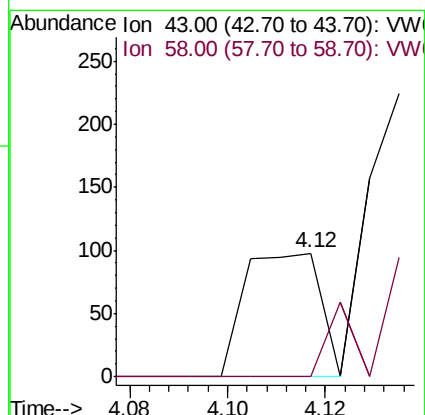
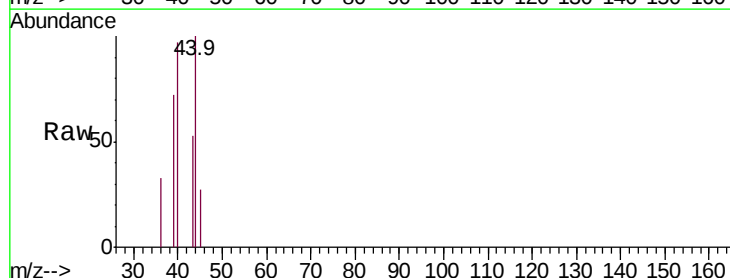
Acq: 15 Sep 2019 03:35

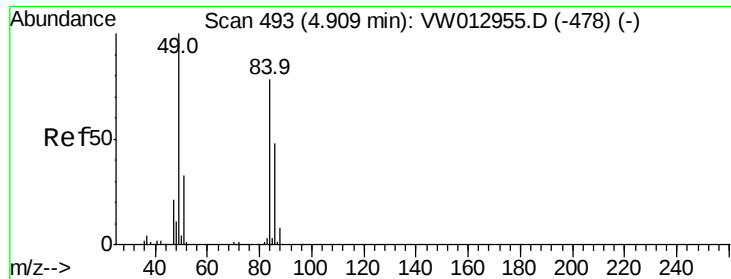
Tgt Ion: 43 Resp: 104

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#

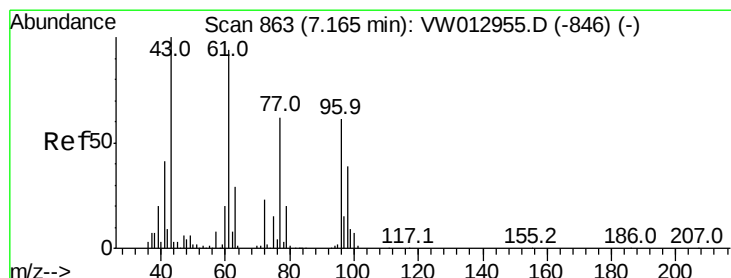
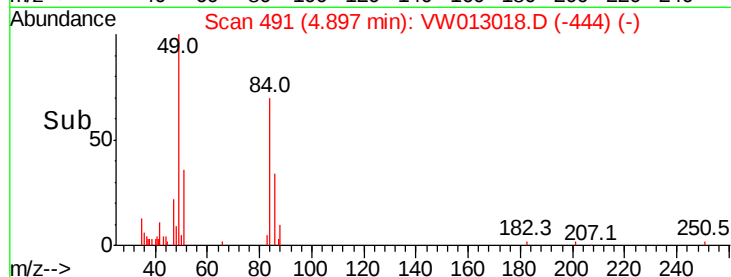
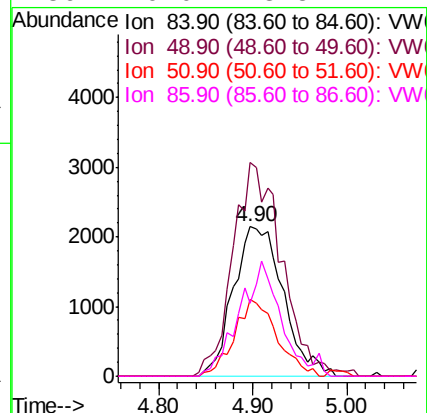
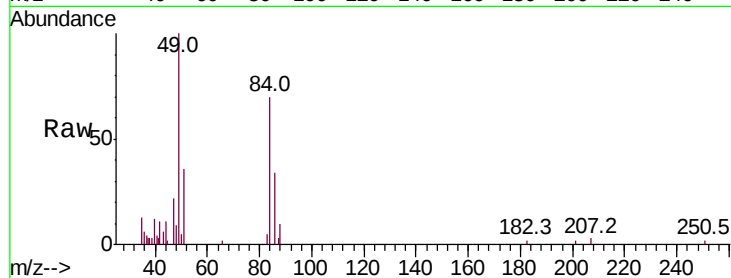




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW013018.D
Acq: 15 Sep 2019 03:35

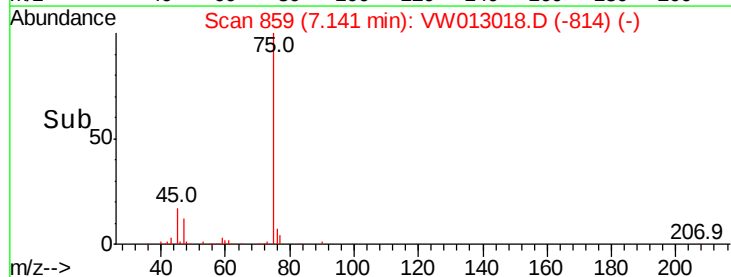
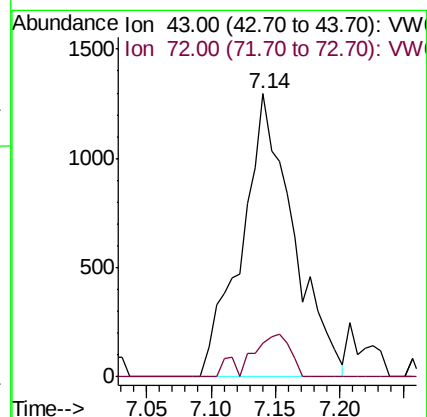
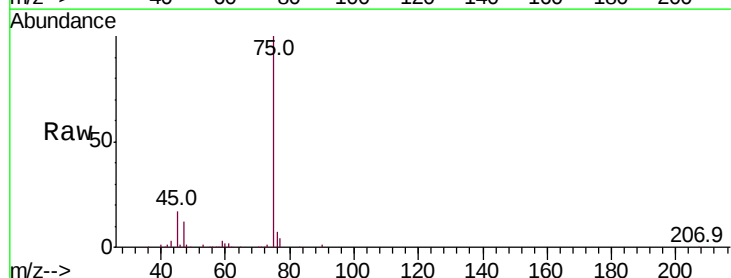
Instrument :
MSVOA_W
ClientSampleId :

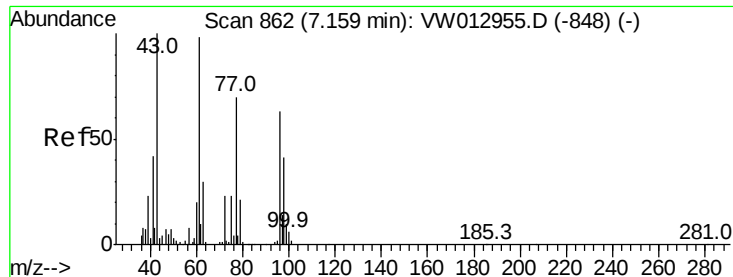
Tot Ion: 84 Resp: 7934
Ion Ratio Lower Upper
84 100
49 143.1 102.0 153.0
51 51.6 34.0 51.0#
86 49.0 48.5 72.7



#25
2-Butanone
Concen: 3.880 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW013018.D
Acq: 15 Sep 2019 03:35

Tgt Ion: 43 Resp: 3589
Ion Ratio Lower Upper
43 100
72 12.0 18.2 27.4#

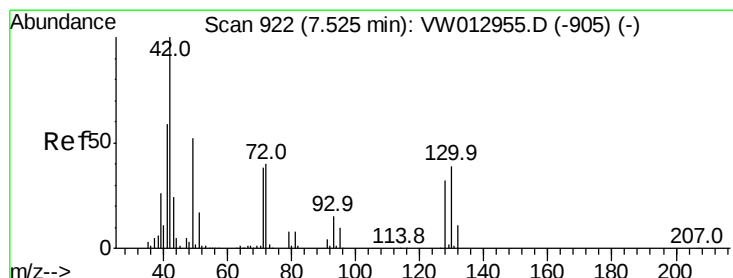
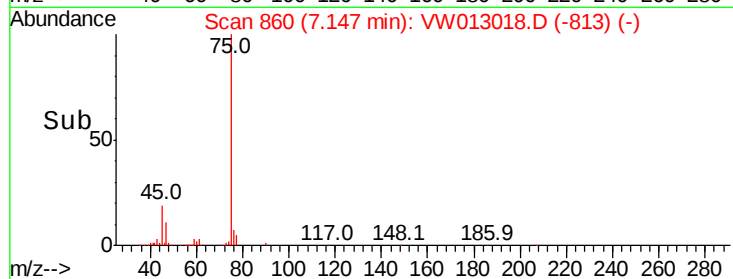
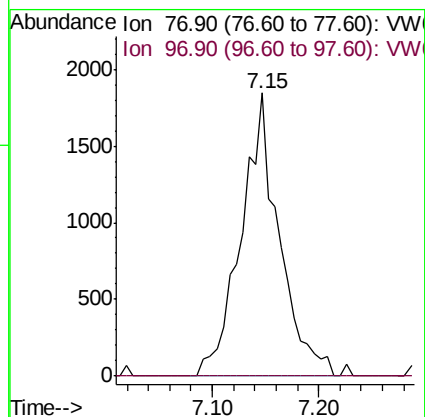
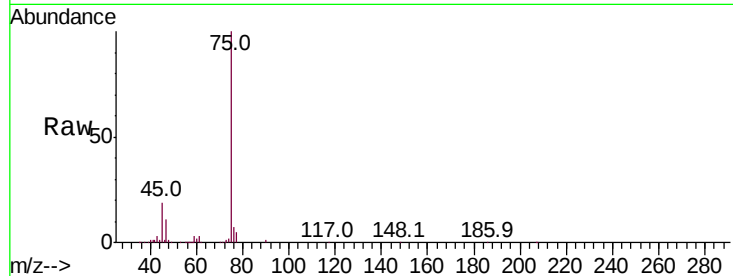




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.15 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VW013018.D
 Acq: 15 Sep 2019 03:35

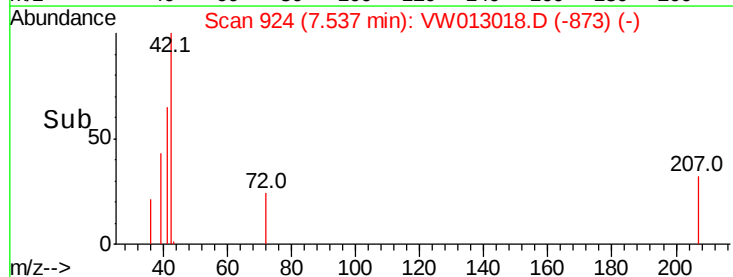
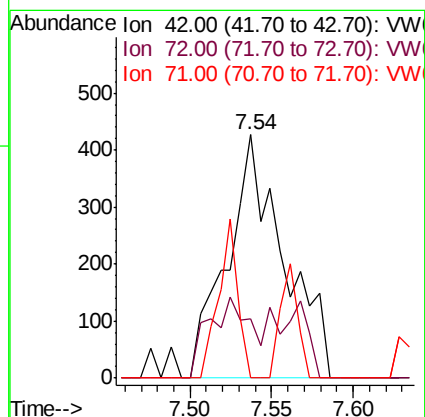
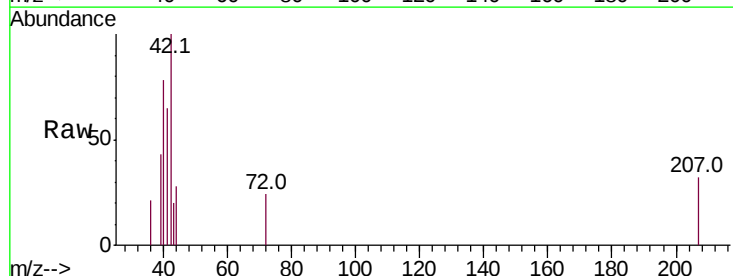
Instrument :
 MSVOA_W
 ClientSampled :

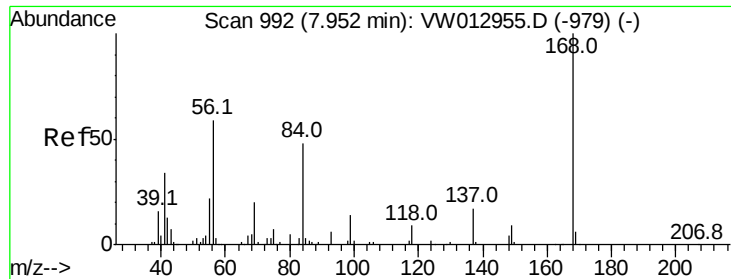
Tot Ion: 77 Resp: 4622
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#29
 Tetrahydrofuran
 Concen: 1.949 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW013018.D
 Acq: 15 Sep 2019 03:35

Tgt Ion: 42 Resp: 1027
 Ion Ratio Lower Upper
 42 100
 72 24.7 31.4 47.0#
 71 22.3 29.8 44.8#

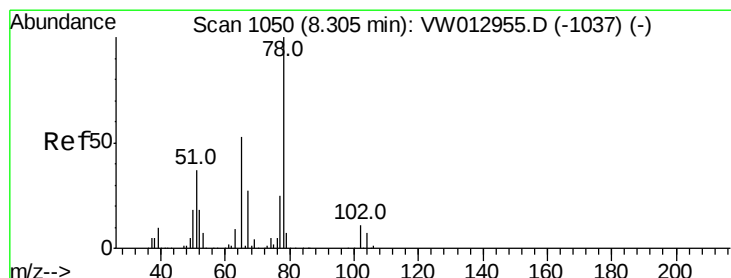
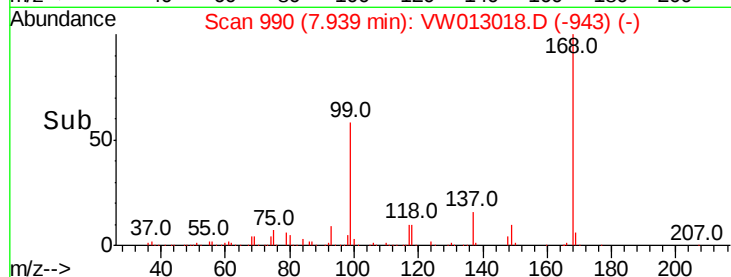
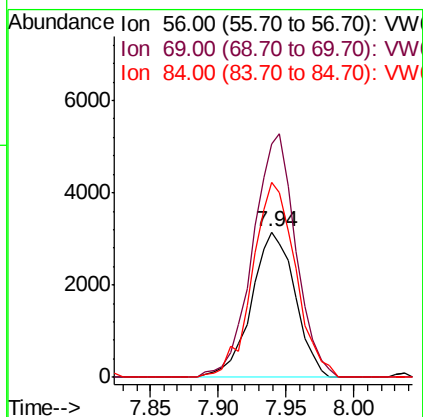
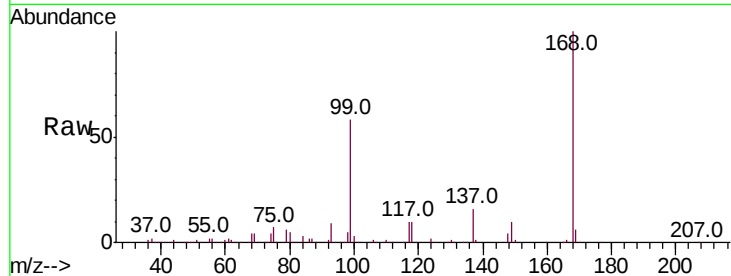




#31
Cyclohexane
Concen: Below Cal
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW013018.D
Acq: 15 Sep 2019 03:35

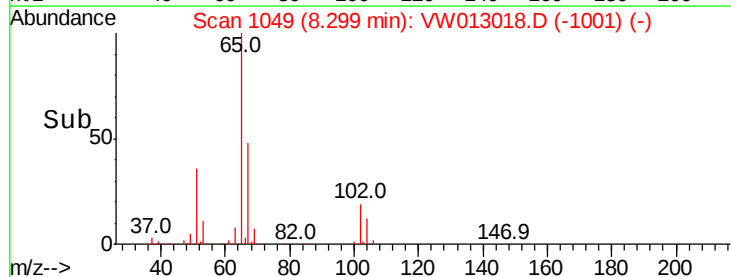
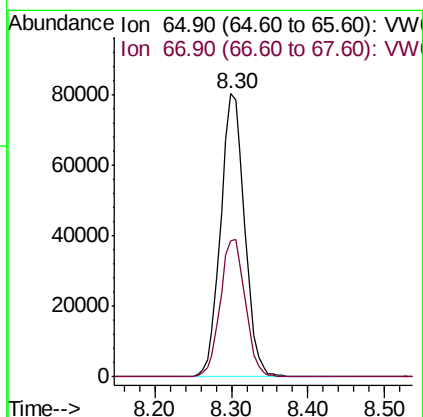
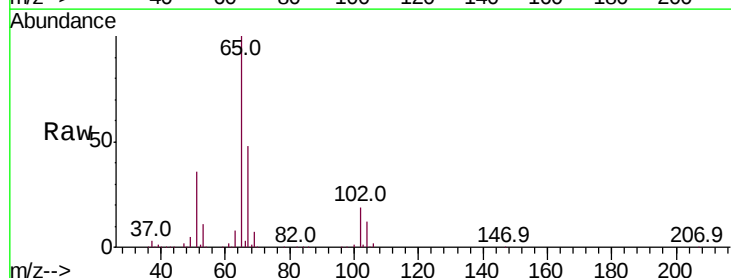
Instrument :
MSVOA_W
ClientSampled :

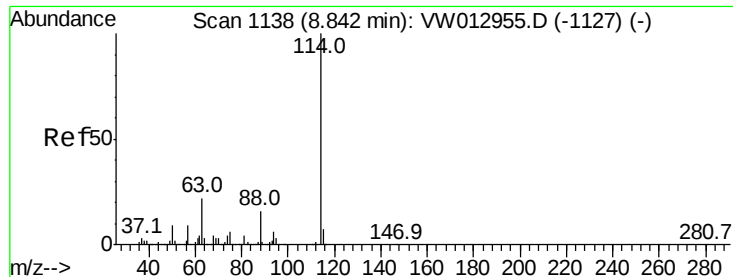
Tot Ion: 56 Resp: 7053
Ion Ratio Lower Upper
56 100
69 161.1 27.0 40.6#
84 134.1 66.2 99.2#



#33
1,2-Dichloroethane-d4
Concen: 60.037 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW013018.D
Acq: 15 Sep 2019 03:35

Tgt Ion: 65 Resp: 174649
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.2

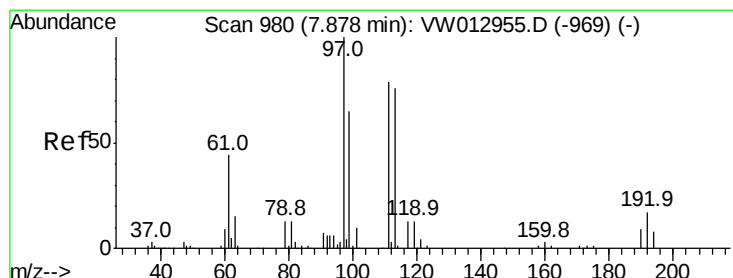
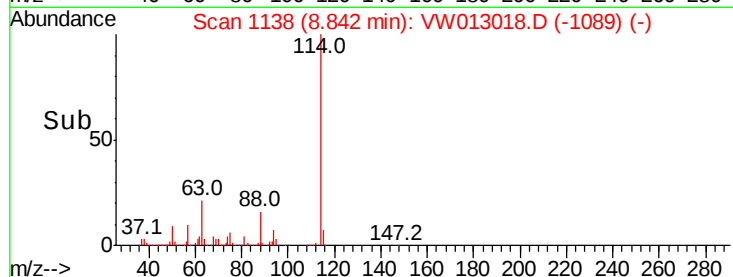
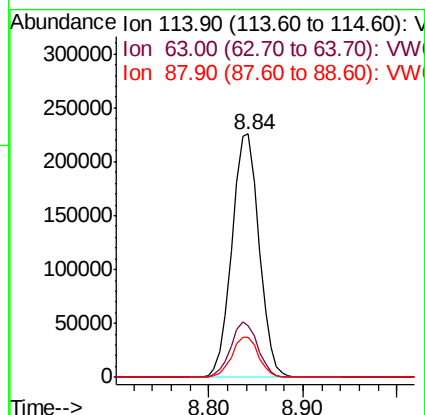
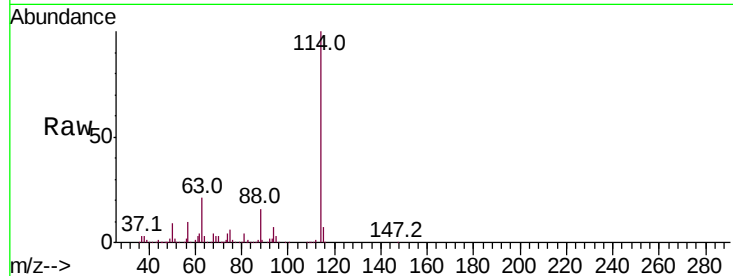




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013018.D
 Acq: 15 Sep 2019 03:35

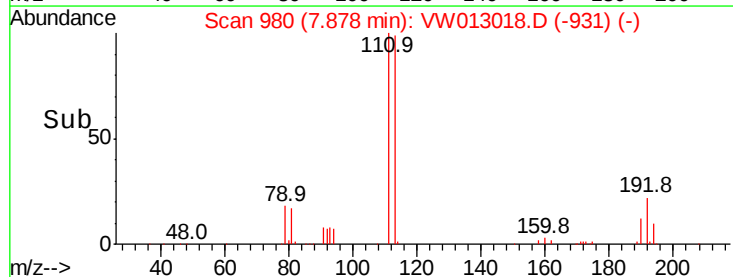
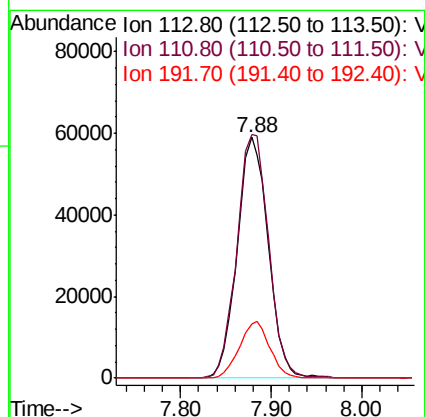
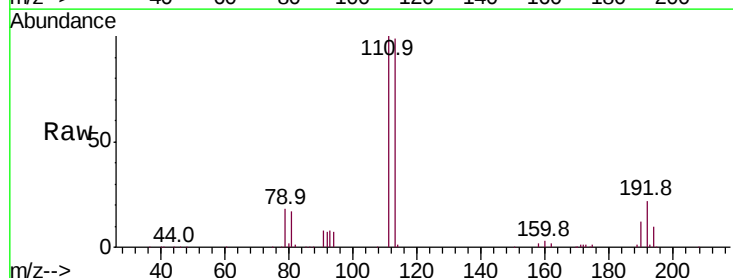
Instrument :
 MSVOA_W
 ClientSampleId :

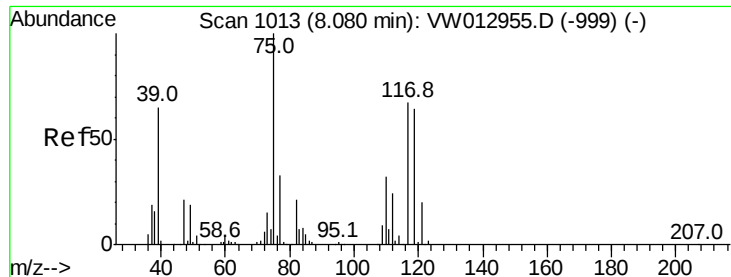
Tot Ion:114 Resp: 454725
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.4
 88 16.3 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 56.790 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013018.D
 Acq: 15 Sep 2019 03:35

Tgt Ion:113 Resp: 140122
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.8 124.2
 192 22.9 17.8 26.8

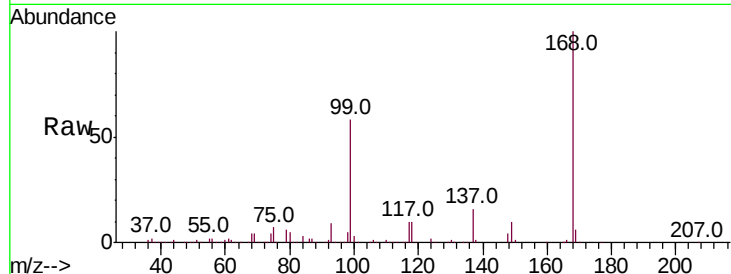




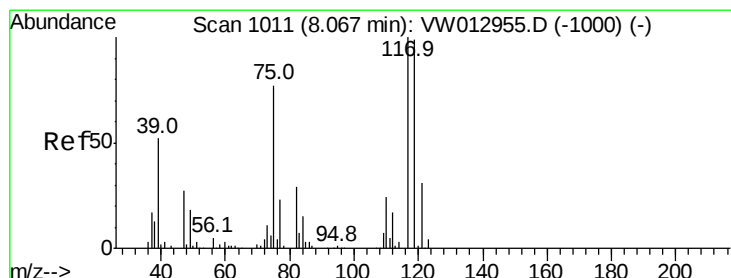
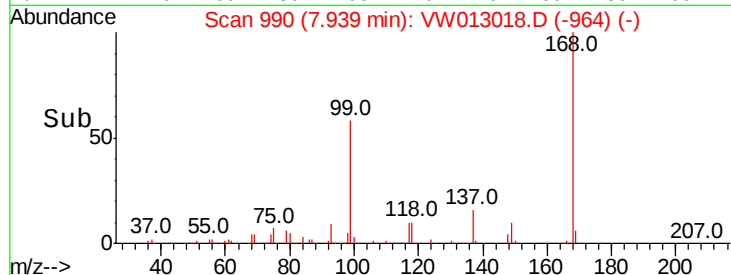
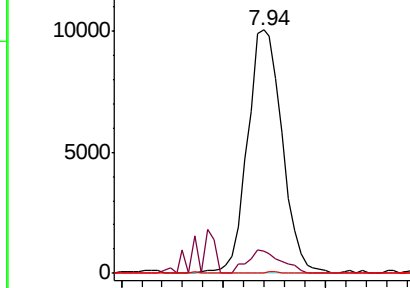
#36
 1,1-Dichloropropene
 Concen: 6.536 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013018.D
 Acq: 15 Sep 2019 03:35

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 75 Resp: 23748
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.4 49.1#
 77 0.2 25.1 37.7#

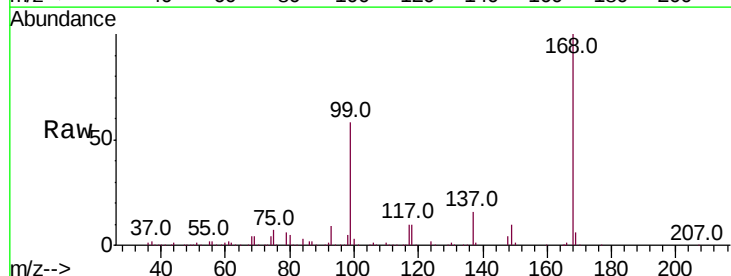


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

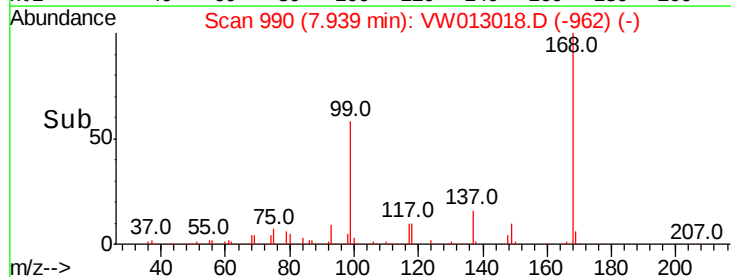
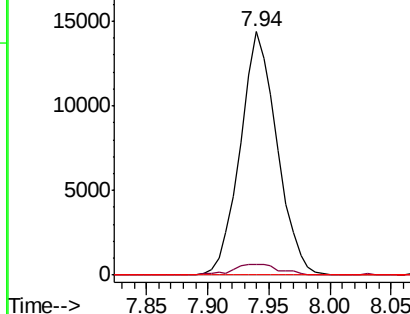


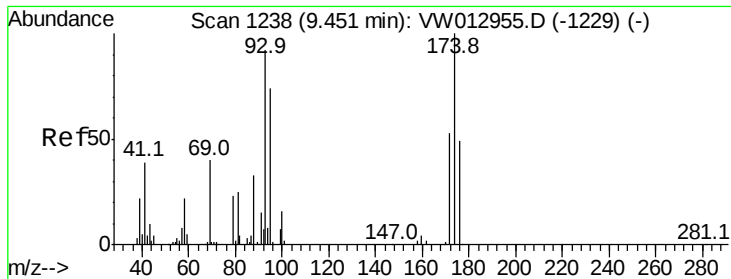
#38
 Carbon Tetrachloride
 Concen: 8.054 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW013018.D
 Acq: 15 Sep 2019 03:35

Tgt Ion: 117 Resp: 29989
 Ion Ratio Lower Upper
 117 100
 119 4.6 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





#49

1,4-Dioxane

Concen: 1.202 ug/l

RT: 9.31 min Scan# 1215

Delta R.T. -0.14 min

Lab File: VW013018.D

Acq: 15 Sep 2019 03:35

Instrument :
MSVOA_W
ClientSampled :

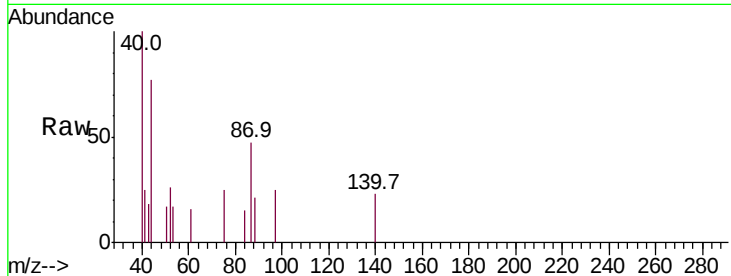
Tot Ion: 88 Resp: 26

Ion Ratio Lower Upper

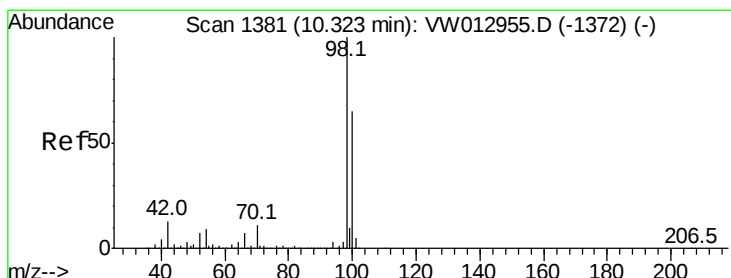
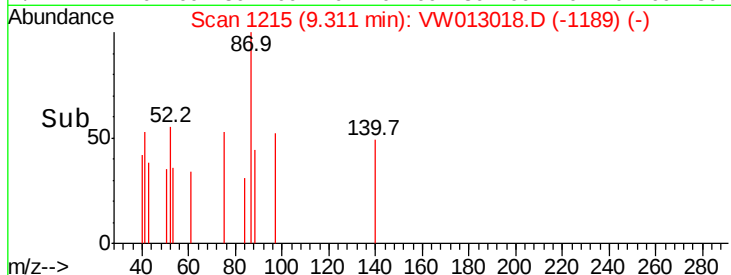
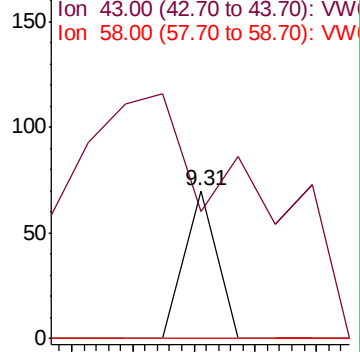
88 100

43 915.4 31.3 46.9#

58 0.0 60.2 90.2#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 57.416 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013018.D

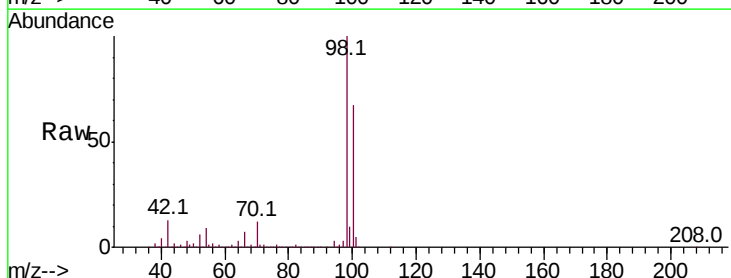
Acq: 15 Sep 2019 03:35

Tgt Ion: 98 Resp: 554357

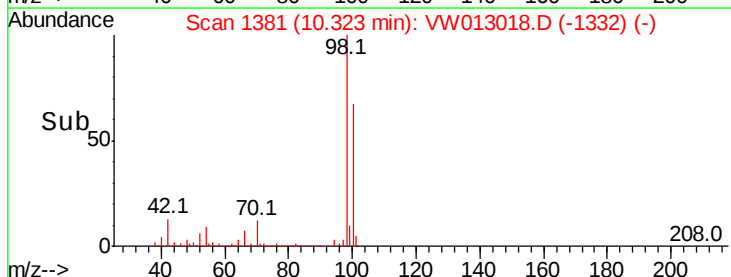
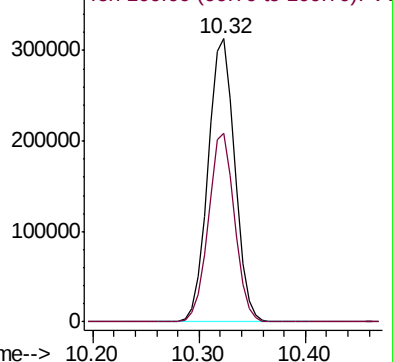
Ion Ratio Lower Upper

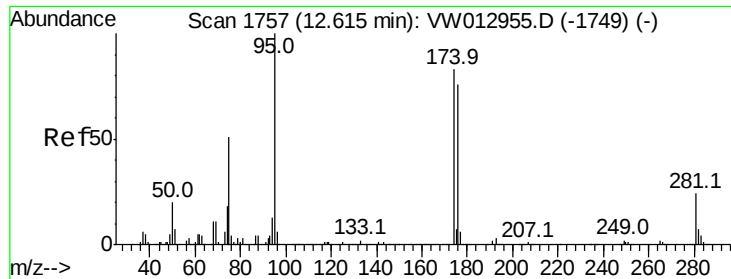
98 100

100 65.1 52.1 78.1



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

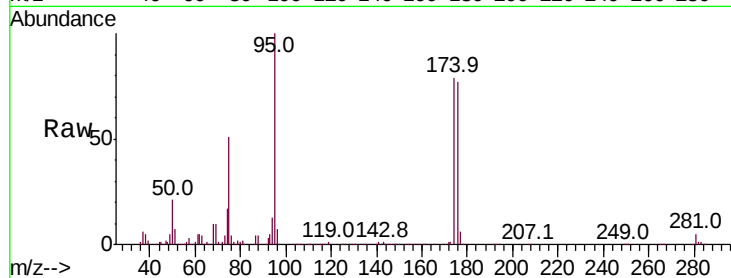




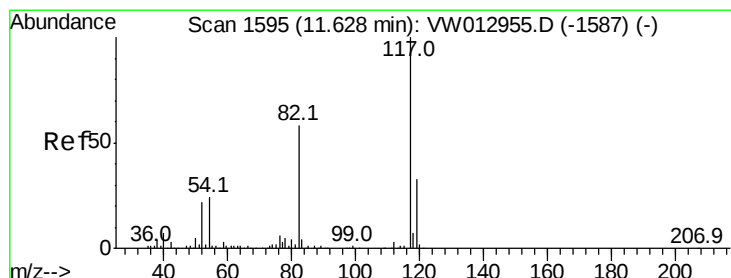
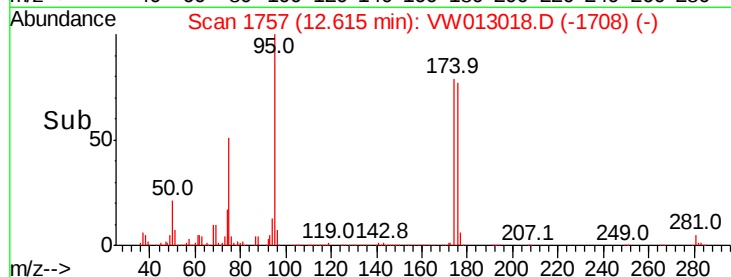
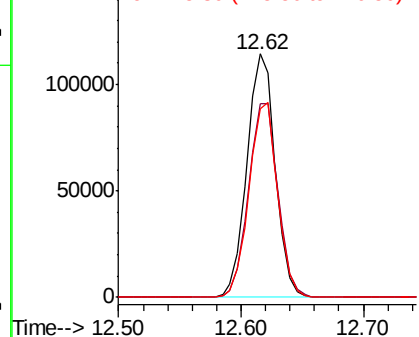
#62
4-Bromofluorobenzene
Concen: 52.747 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013018.D
Acq: 15 Sep 2019 03:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 95 Resp: 183127
Ion Ratio Lower Upper
95 100
174 83.3 0.0 170.4
176 81.4 0.0 164.6

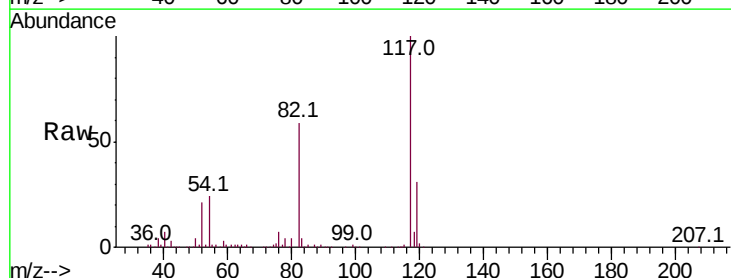


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

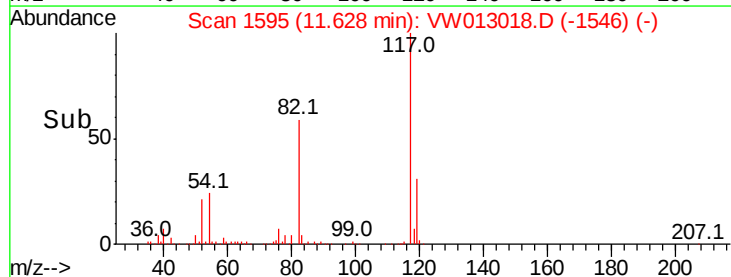
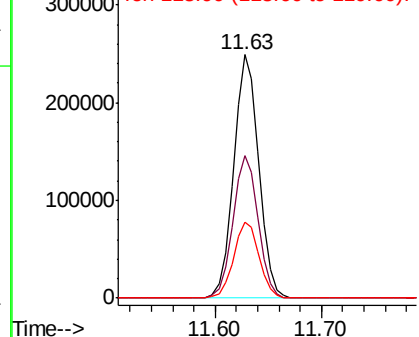


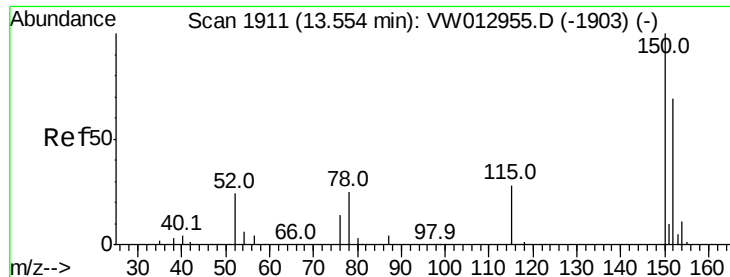
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013018.D
Acq: 15 Sep 2019 03:35

Tgt Ion: 117 Resp: 408701
Ion Ratio Lower Upper
117 100
82 58.6 46.3 69.5
119 31.4 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: VW013018.D

Acq: 15 Sep 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

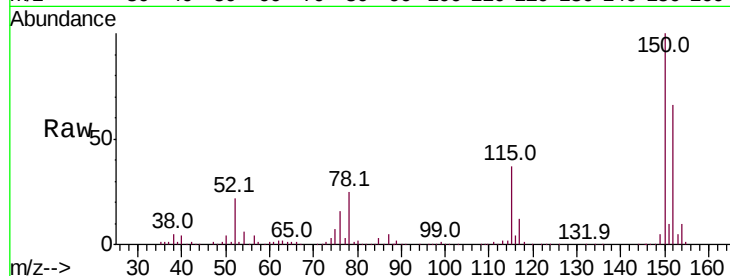
Tot Ion:152 Resp: 156328

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.4

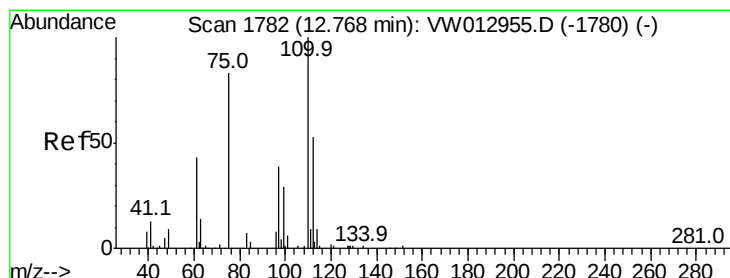
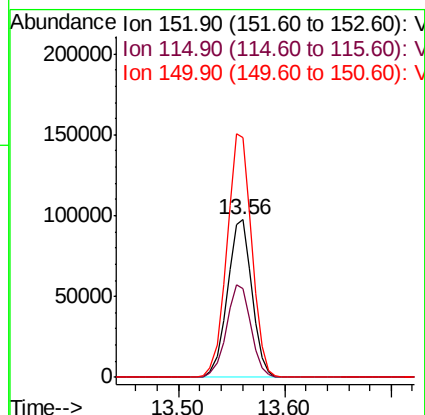
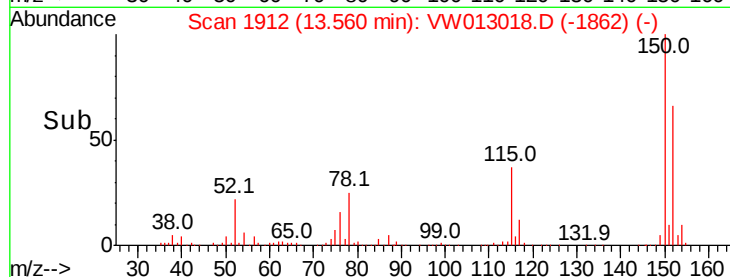
150 156.8 0.0 340.2



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: 69.139 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013018.D

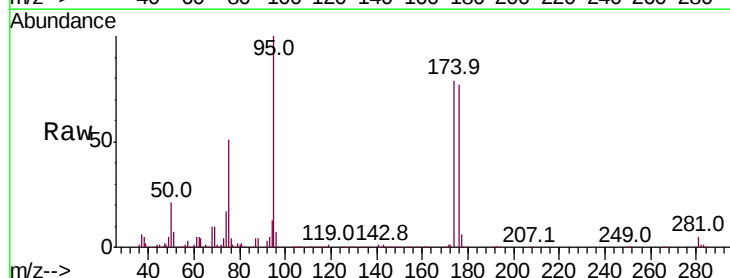
Acq: 15 Sep 2019 03:35

Tgt Ion: 75 Resp: 94673

Ion Ratio Lower Upper

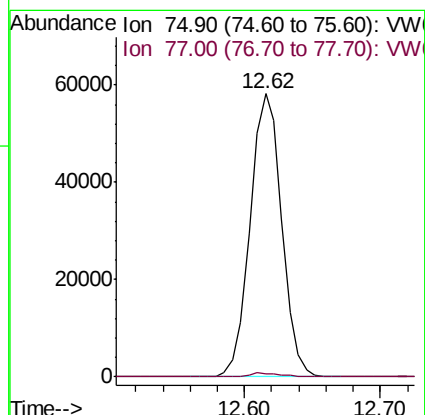
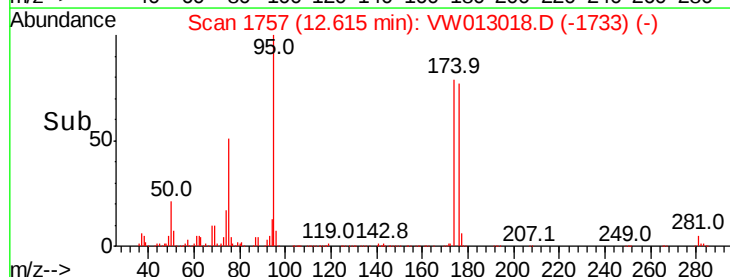
75 100

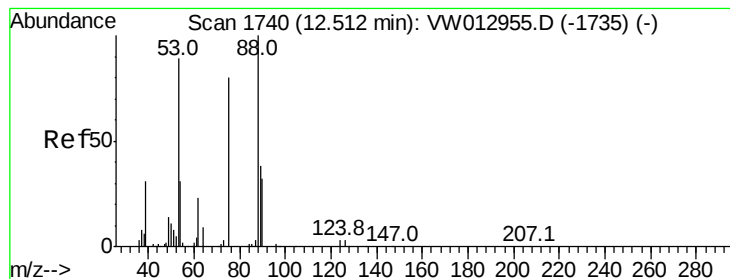
77 1.3 0.0 0.0#



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: 156.841 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013018.D

Acq: 15 Sep 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

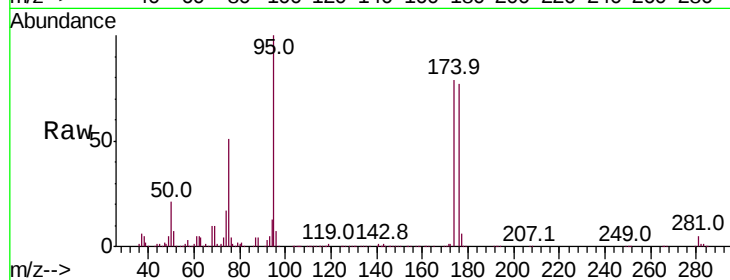
Tot Ion: 75 Resp: 94673

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.2 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

