

Data File : VW010598.D
Acq On : 29 May 2019 18:31
Operator : SY/VA
Sample : K2642-07
Misc : 5.72G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OK-02-052919

Quant Time: May 30 08:36:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	113168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	202251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	174287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	73121	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	49728	42.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.14%	
35) Dibromofluoromethane	7.88	113	48381	39.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.84%	
50) Toluene-d8	10.32	98	178377	38.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.10%	
62) 4-Bromofluorobenzene	12.62	95	70050	37.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.02%	

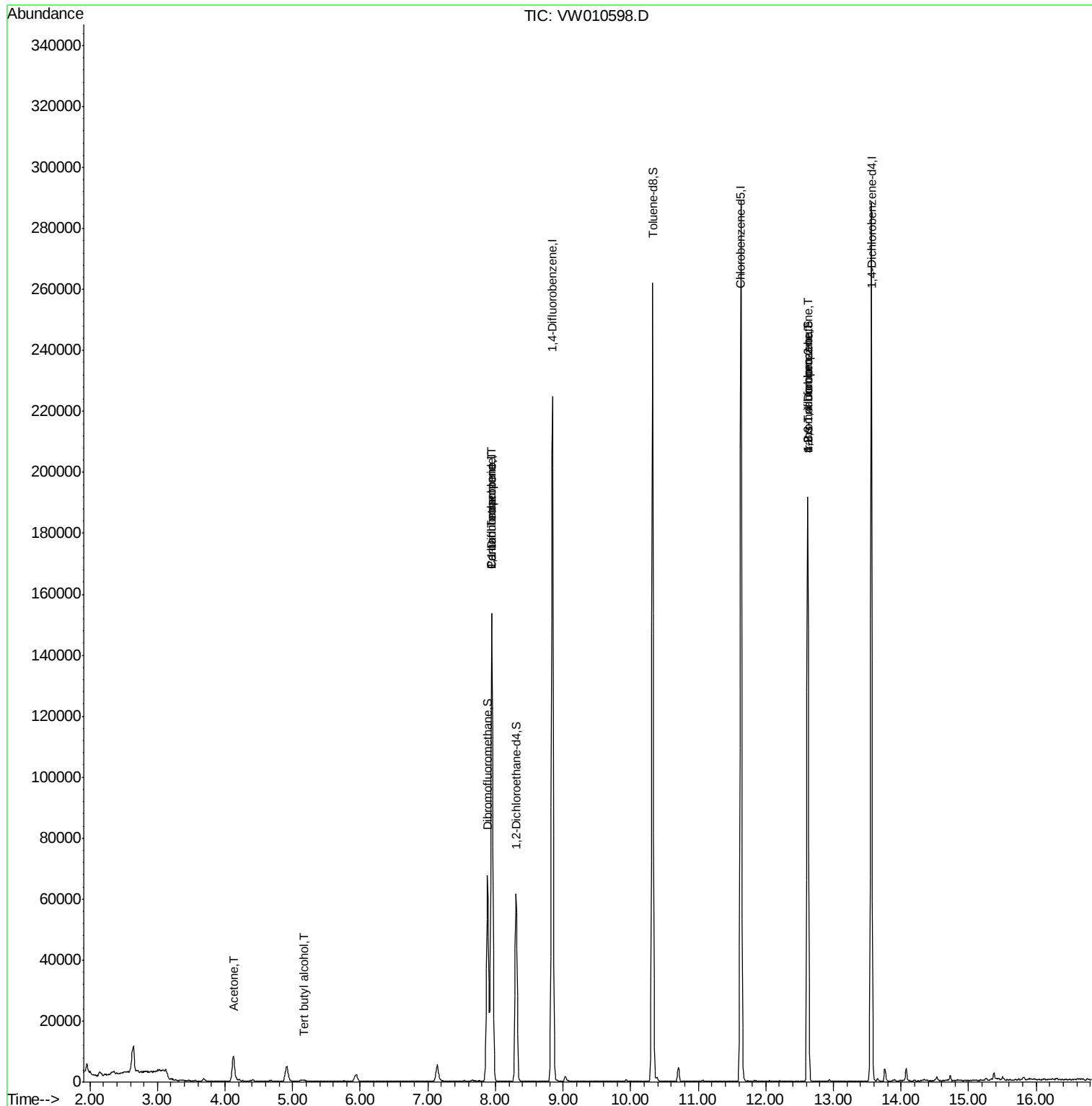
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	50	Below Cal	#	42
11) Tert butyl alcohol	5.17	59	360	3.426	ug/l #	71
16) Acetone	4.12	43	14747	61.850	ug/l	98
20) Methylene Chloride	4.92	84	4189	Below Cal		90
36) 1,1-Dichloropropene	7.95	75	8410	4.464	ug/l #	48
38) Carbon Tetrachloride	7.95	117	11810	5.811	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	32640	43.976	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	32640	91.779	ug/l #	14

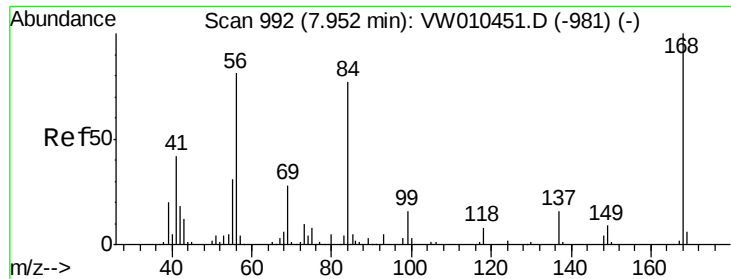
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010598.D

Acq: 29 May 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

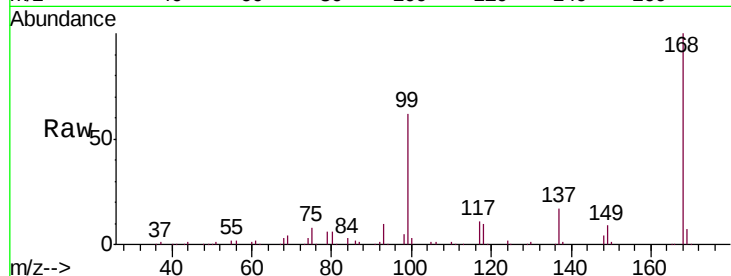
OK-02-052919

Tgt Ion:168 Resp: 113168

Ion Ratio Lower Upper

168 100

99 62.1 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

60000

50000

40000

30000

20000

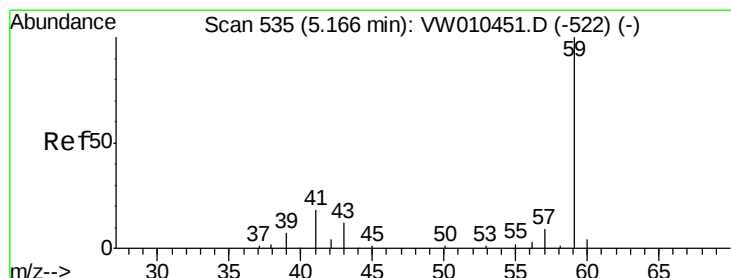
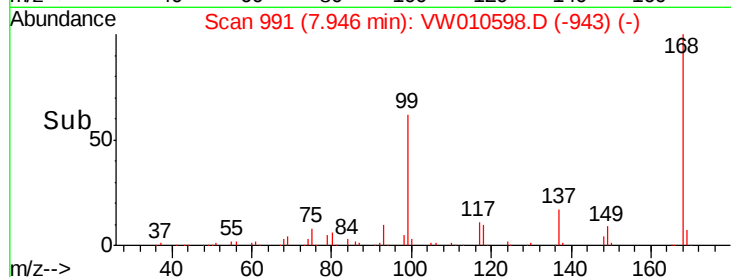
10000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: 3.426 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW010598.D

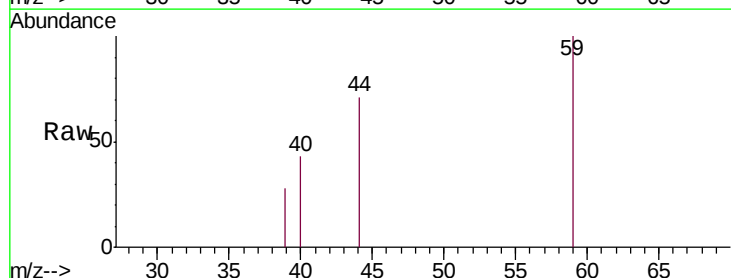
Acq: 29 May 2019 18:31

Tgt Ion: 59 Resp: 360

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

250

200

150

100

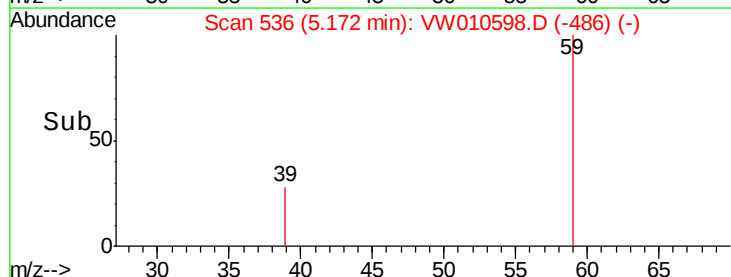
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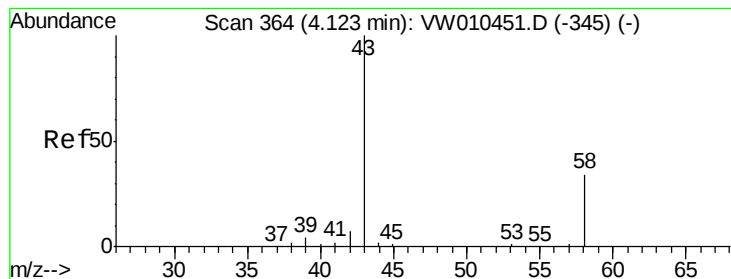
0

5.15

5.20

Time-->





#16

Acetone

Concen: 61.850 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010598.D

Acq: 29 May 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

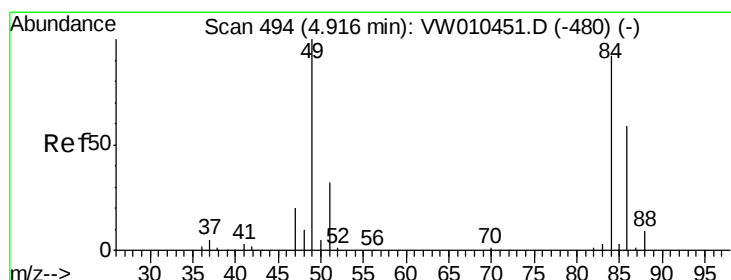
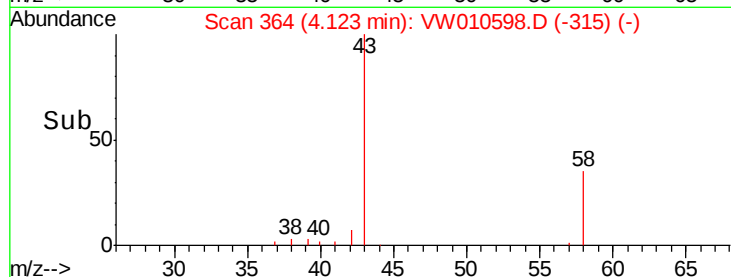
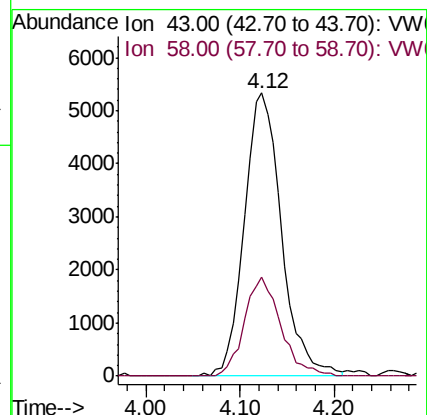
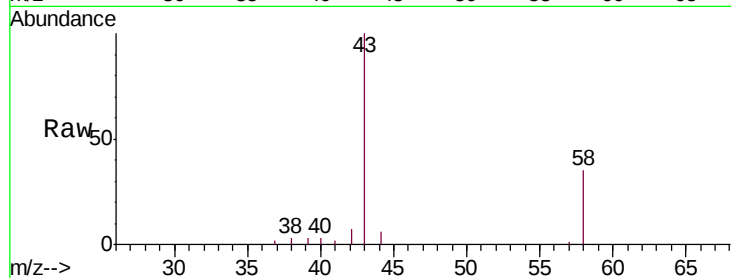
OK-02-052919

Tgt Ion: 43 Resp: 14747

Ion Ratio Lower Upper

43 100

58 34.8 27.0 40.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW010598.D

Acq: 29 May 2019 18:31

Tgt Ion: 84 Resp: 4189

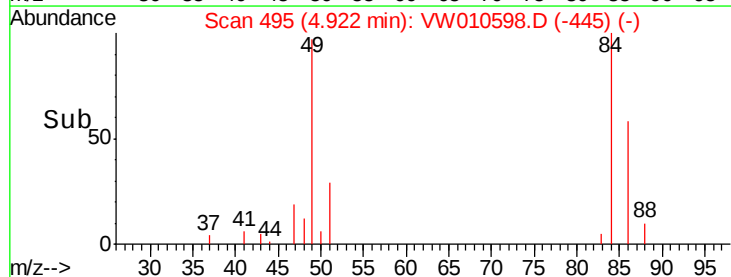
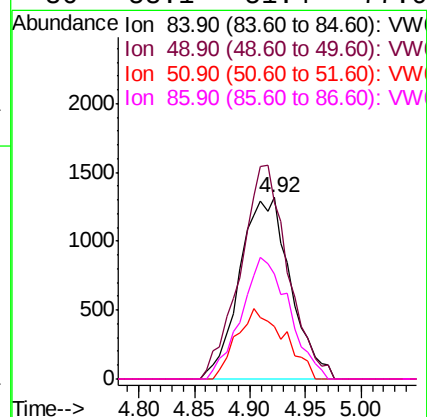
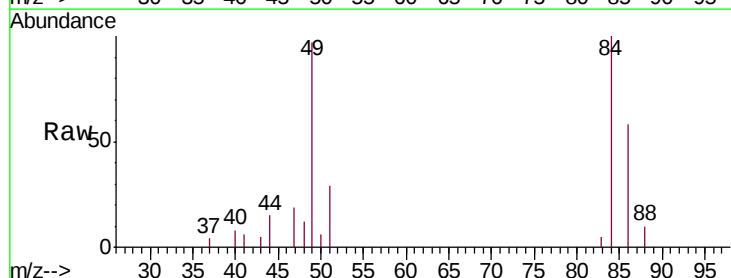
Ion Ratio Lower Upper

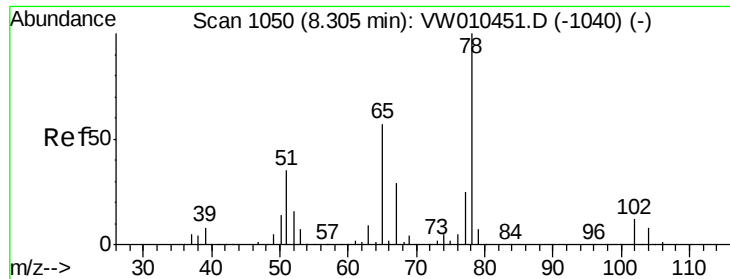
84 100

49 97.3 87.2 130.8

51 28.8 27.7 41.5

86 58.1 51.4 77.0

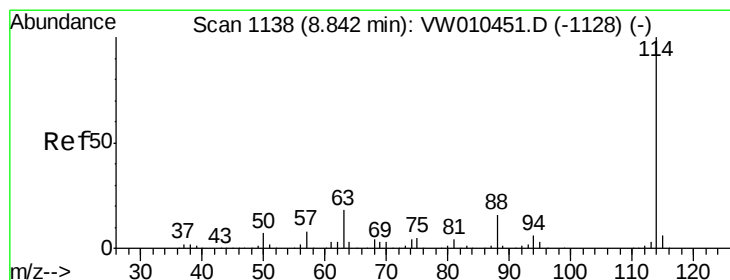
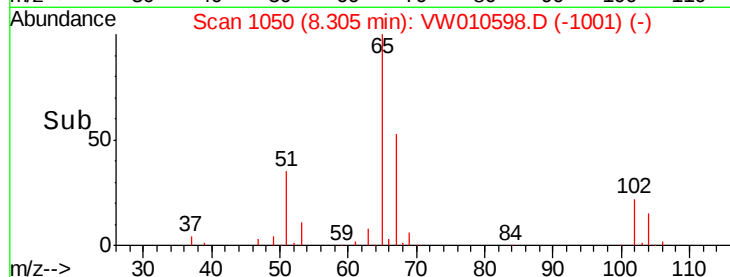
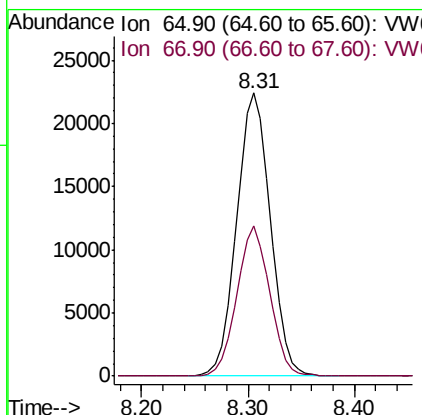
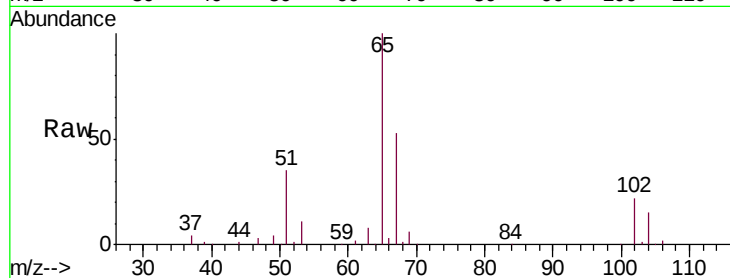




#33
 1,2-Dichloroethane-d4
 Concen: 42.572 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010598.D
 Acq: 29 May 2019 18:31

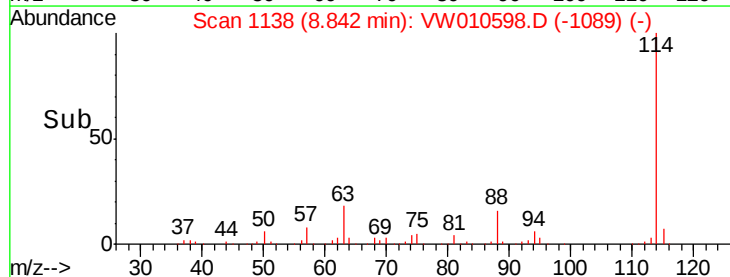
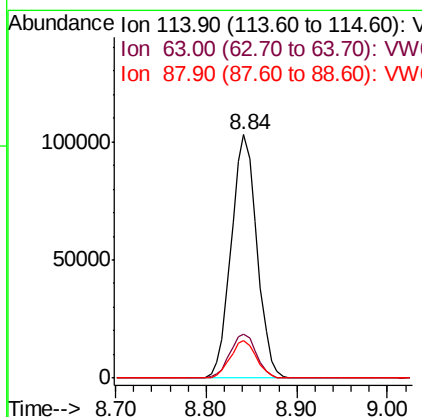
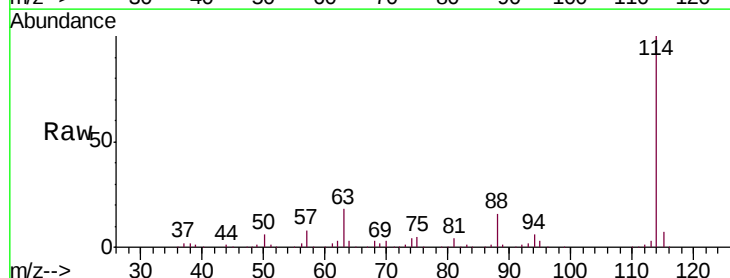
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-052919

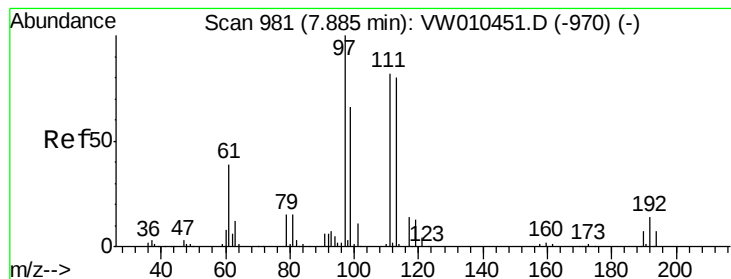
Tgt Ion: 65 Resp: 49728
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010598.D
 Acq: 29 May 2019 18:31

Tgt Ion: 114 Resp: 202251
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.0
 88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 39.423 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW010598.D

Acq: 29 May 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

OK-02-052919

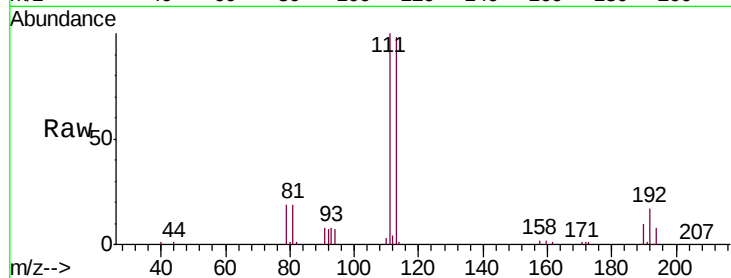
Tgt Ion:113 Resp: 48381

Ion Ratio Lower Upper

113 100

111 104.4 82.2 123.4

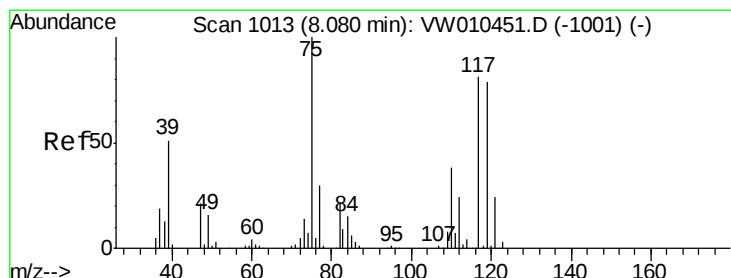
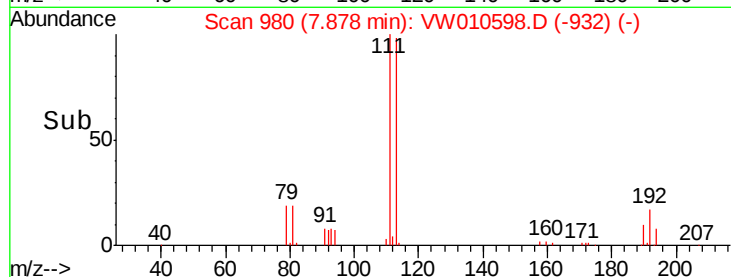
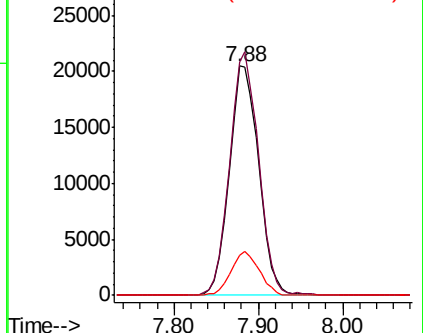
192 18.5 14.3 21.5



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: 4.464 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010598.D

Acq: 29 May 2019 18:31

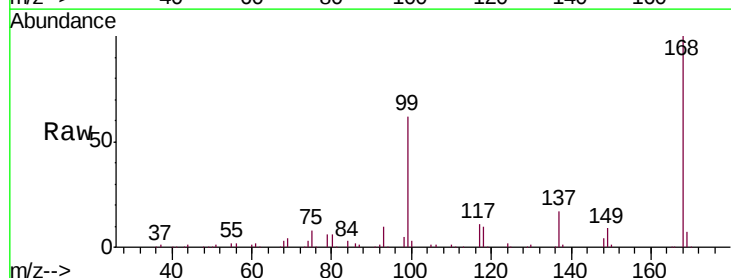
Tgt Ion: 75 Resp: 8410

Ion Ratio Lower Upper

75 100

110 9.4 19.2 57.6#

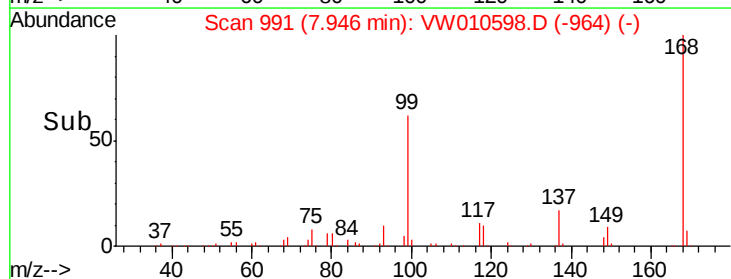
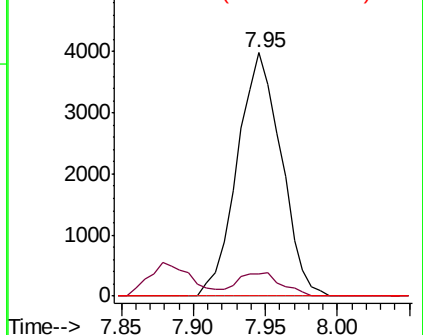
77 0.0 25.2 37.8#

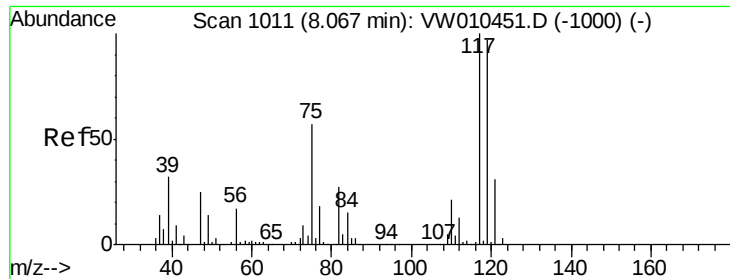


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

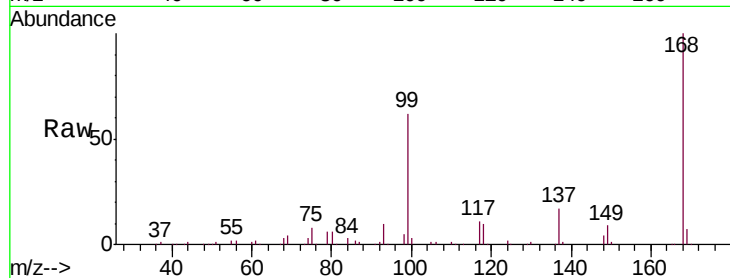




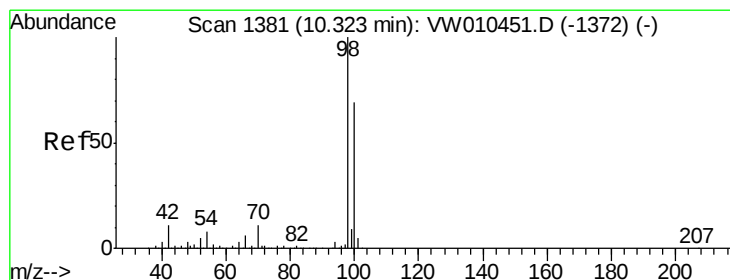
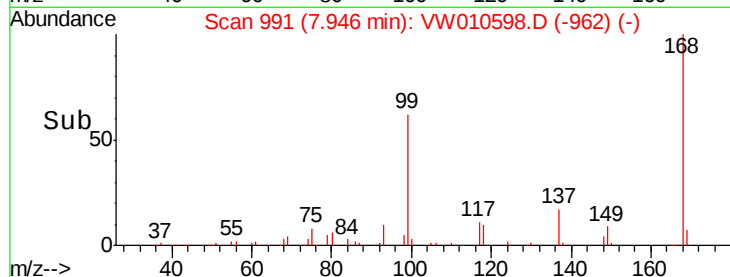
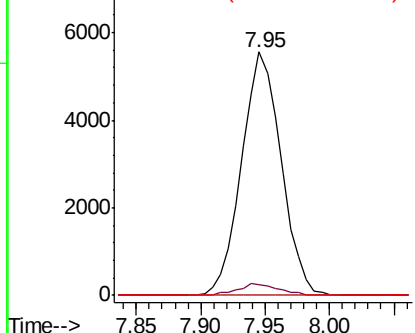
#38
Carbon Tetrachloride
Concen: 5.811 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010598.D
Acq: 29 May 2019 18:31

Instrument :
MSVOA_W
ClientSampleId :
OK-02-052919

Tgt Ion: 117 Resp: 11810
Ion Ratio Lower Upper
117 100
119 4.3 77.4 116.0#
121 0.0 25.0 37.6#

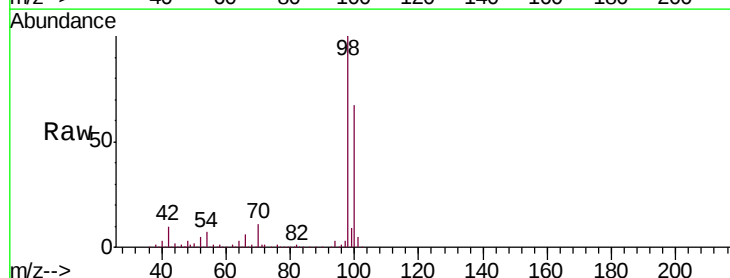


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

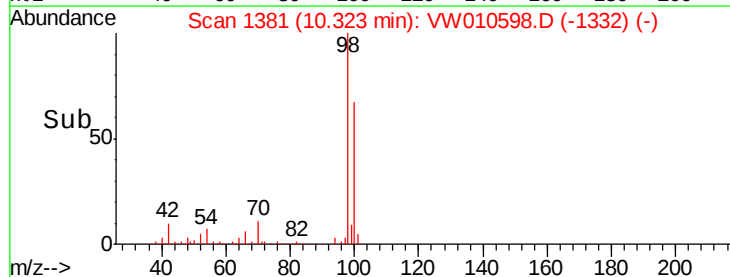
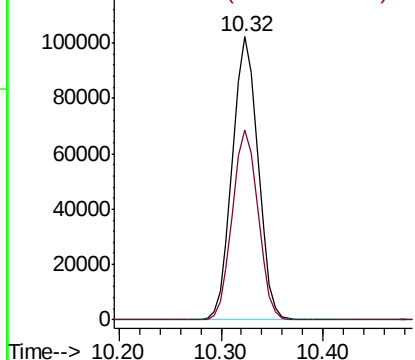


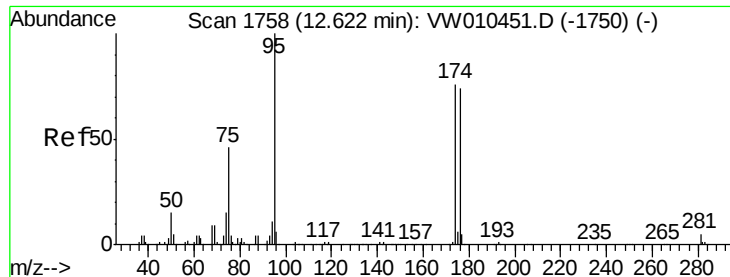
#50
Toluene-d8
Concen: 38.048 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010598.D
Acq: 29 May 2019 18:31

Tgt Ion: 98 Resp: 178377
Ion Ratio Lower Upper
98 100
100 66.9 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW
120000 Ion 100.00 (99.70 to 100.70): VW

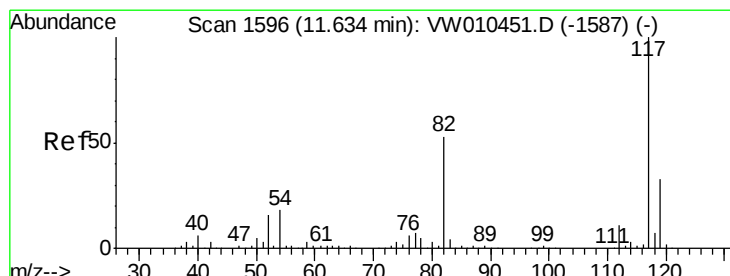
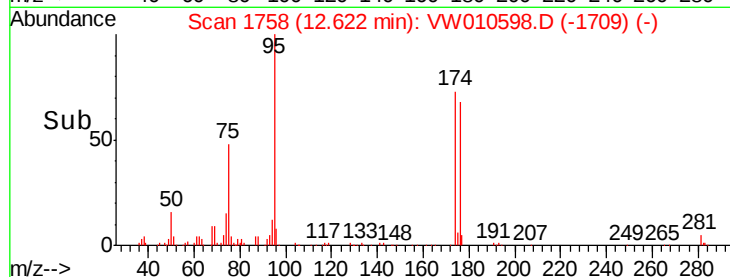
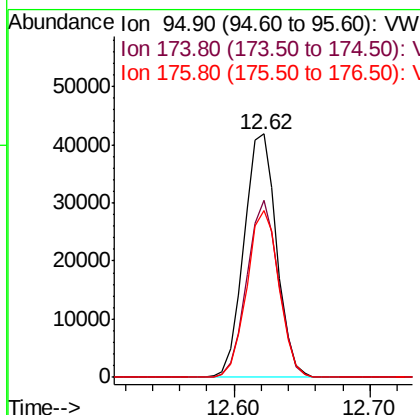
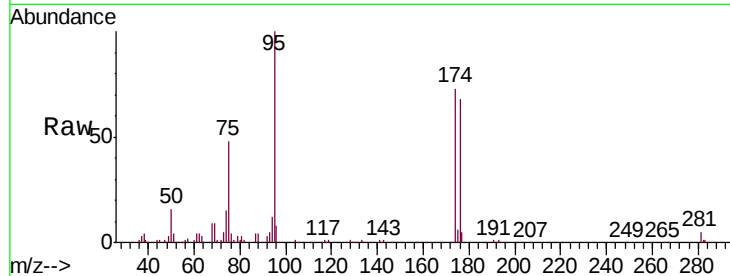




#62
4-Bromofluorobenzene
Concen: 37.512 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010598.D
Acq: 29 May 2019 18:31

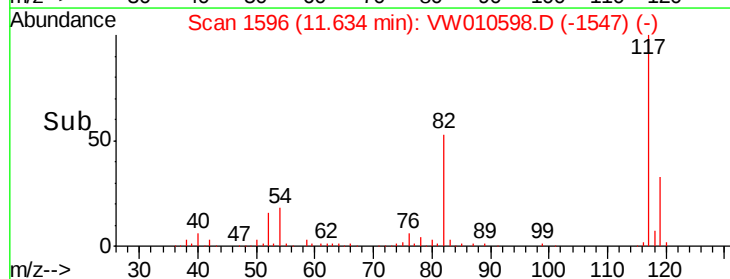
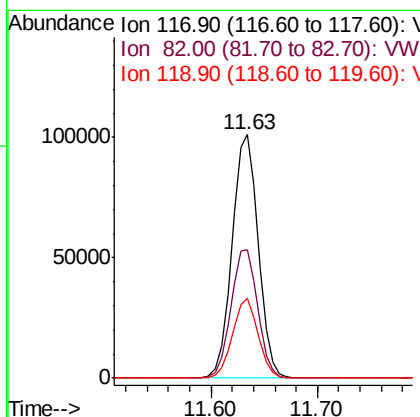
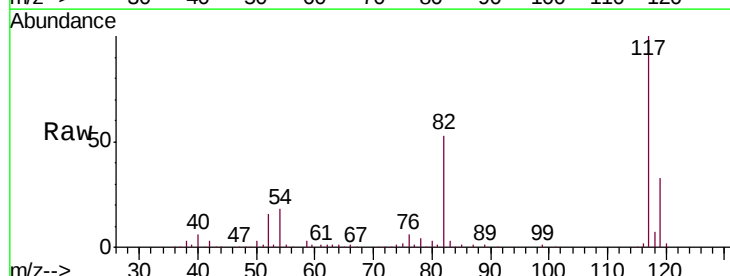
Instrument :
MSVOA_W
ClientSampleId :
OK-02-052919

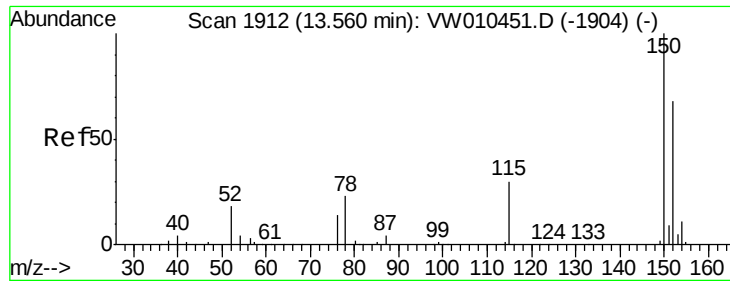
Tgt Ion: 95 Resp: 70050
Ion Ratio Lower Upper
95 100
174 70.8 0.0 148.6
176 68.0 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010598.D
Acq: 29 May 2019 18:31

Tgt Ion: 117 Resp: 174287
Ion Ratio Lower Upper
117 100
82 52.9 42.8 64.2
119 32.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010598.D

Acq: 29 May 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

OK-02-052919

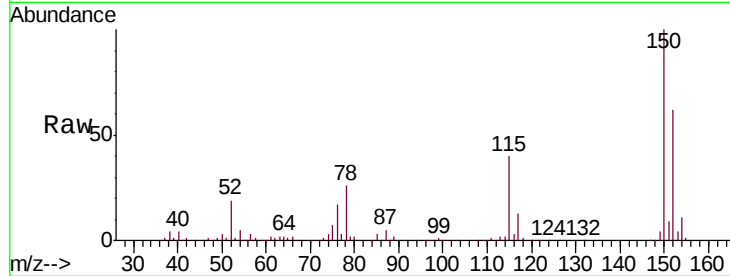
Tgt Ion:152 Resp: 73121

Ion Ratio Lower Upper

152 100

115 63.1 30.3 91.0

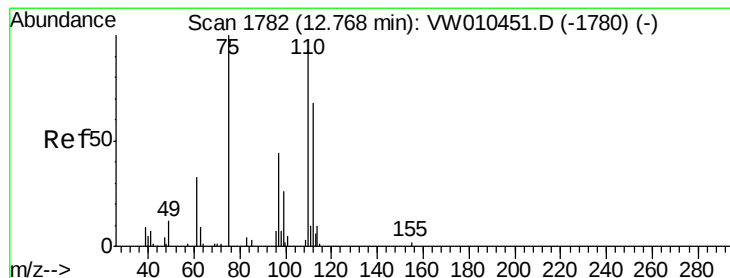
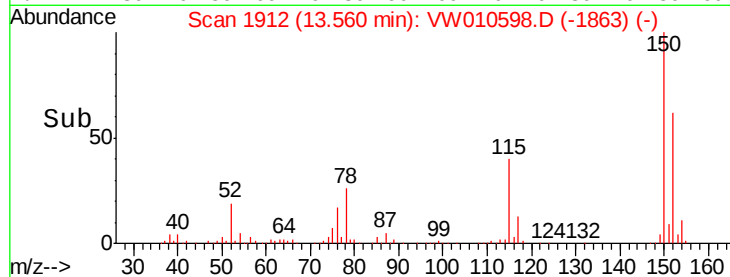
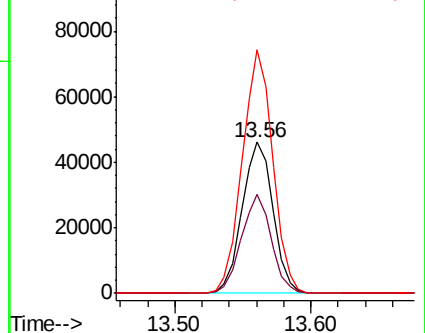
150 159.2 0.0 349.8



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: 43.976 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010598.D

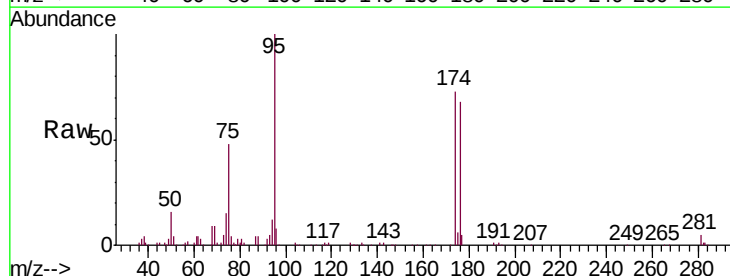
Acq: 29 May 2019 18:31

Tgt Ion: 75 Resp: 32640

Ion Ratio Lower Upper

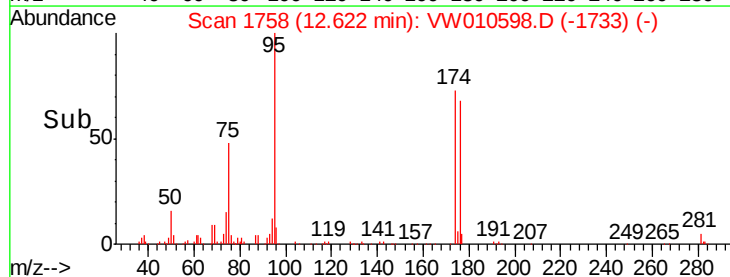
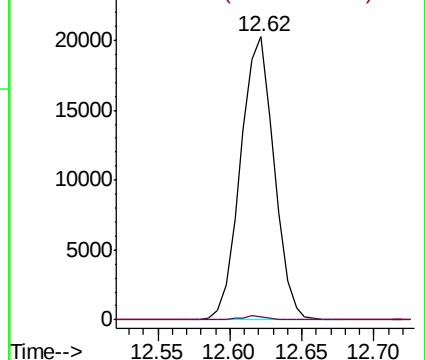
75 100

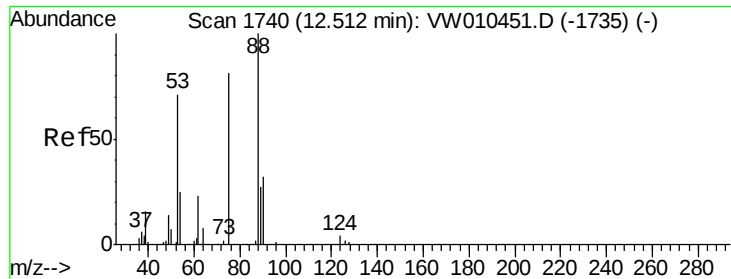
77 1.2 170.0 510.1#



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: 91.779 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010598.D

Acq: 29 May 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

OK-02-052919

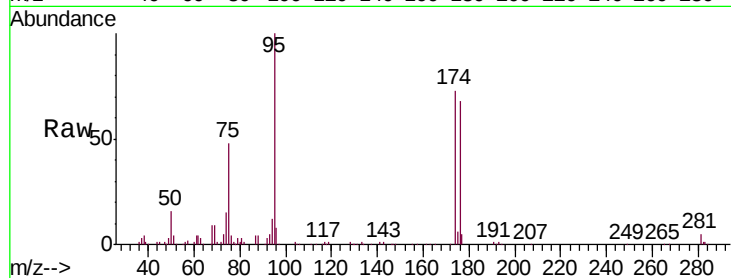
Tgt Ion: 75 Resp: 32640

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.1 39.5 59.3#



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

