

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011619\
 Data File : VW008308.D
 Acq On : 16 Jan 2019 15:08
 Operator : SY/VA
 Sample : K1010-03RE
 Misc : 5.80G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-011519-A

Quant Time: Jan 17 05:03:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	78024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	141063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	130586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	55927	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	47226	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
35) Dibromofluoromethane	7.88	113	44953	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
50) Toluene-d8	10.32	98	177569	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.62	95	60205	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	

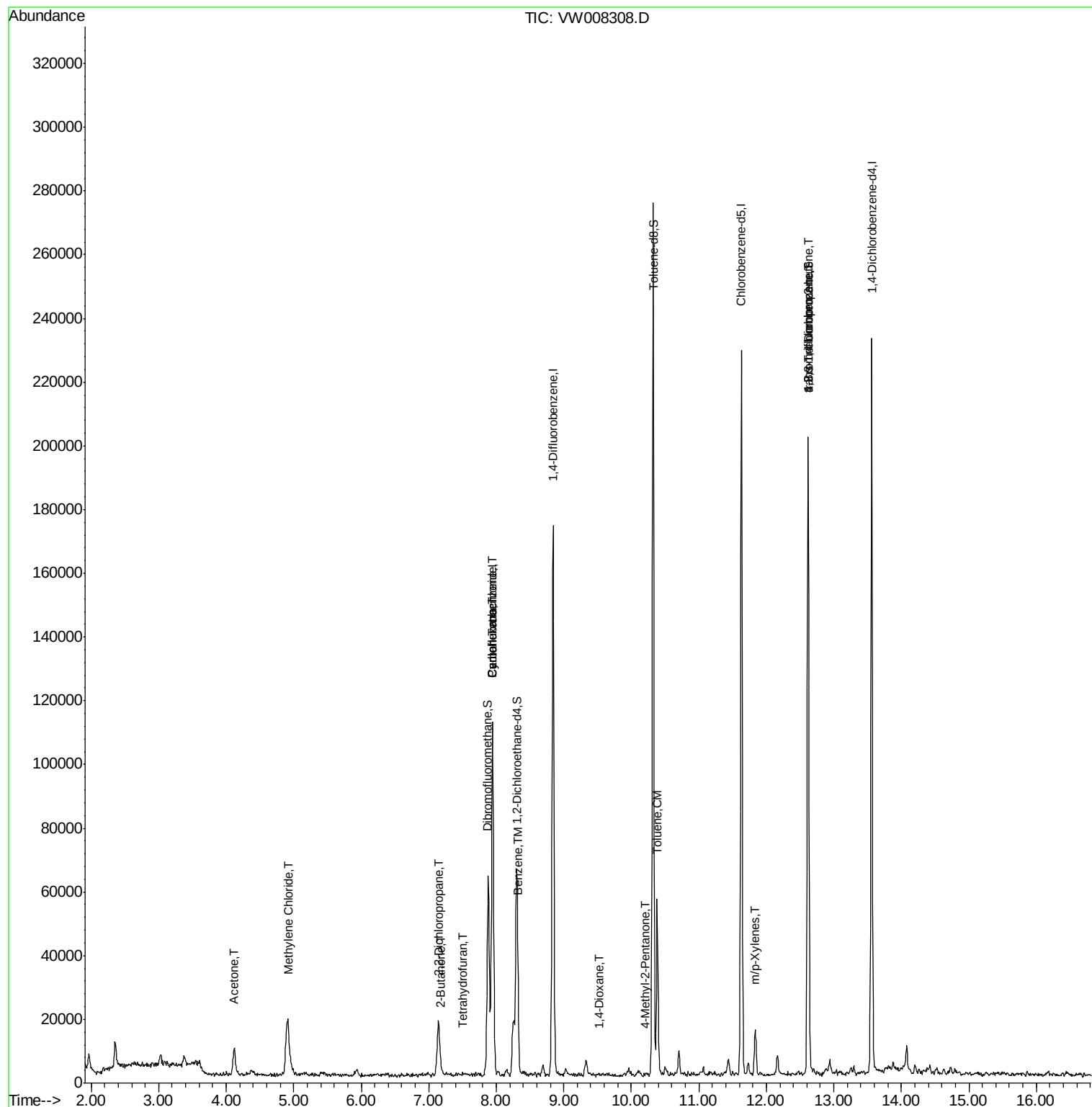
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	92	Below Cal	#	100
13) Acrolein	3.92	56	70	Below Cal	#	1
16) Acetone	4.12	43	14813	79.556	ug/l	89
20) Methylene Chloride	4.91	84	16187	15.423	ug/l #	83
25) 2-Butanone	7.18	43	3192	13.083	ug/l	93
26) 2,2-Dichloropropane	7.15	77	1317	1.128	ug/l #	53
29) Tetrahydrofuran	7.51	42	250	1.534	ug/l #	67
31) Cyclohexane	7.95	56	3054	1.655	ug/l #	4
38) Carbon Tetrachloride	7.95	117	7919	5.954	ug/l #	20
40) Benzene	8.32	78	6406	1.625	ug/l	99
49) 1,4-Dioxane	9.52	88	32	4.146	ug/l #	11
51) 4-Methyl-2-Pentanone	10.21	43	694	1.232	ug/l #	65
52) Toluene	10.38	92	23072	9.166	ug/l	100
68) m/p-Xylenes	11.84	106	3942	2.040	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	30206	59.247	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	30206	137.967	ug/l #	11

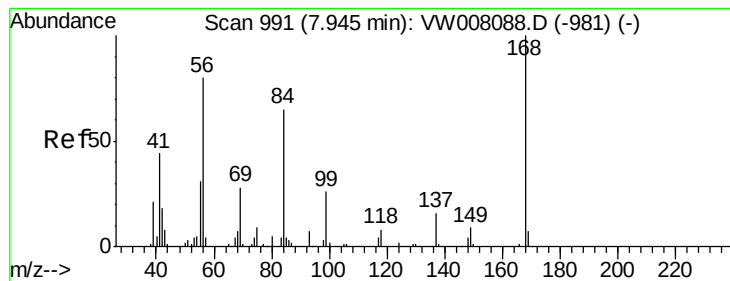
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008308.D

Acq: 16 Jan 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

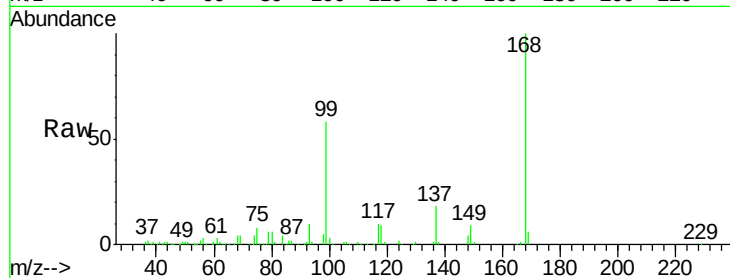
OK-01-011519-A

Tot Ion:168 Resp: 78024

Ion Ratio Lower Upper

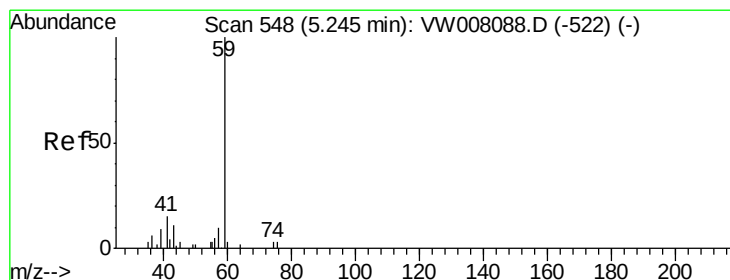
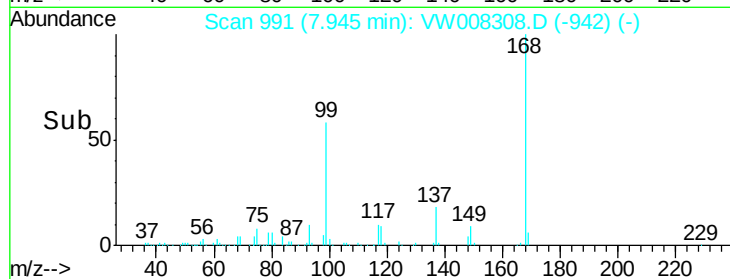
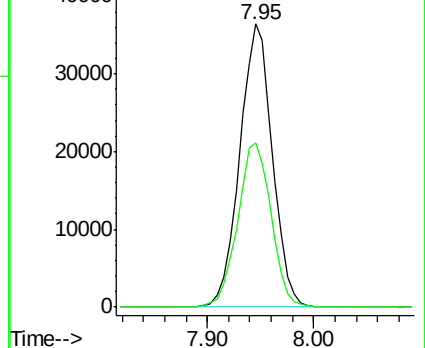
168 100

99 58.0 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 548

Delta R.T. 0.00 min

Lab File: VW008308.D

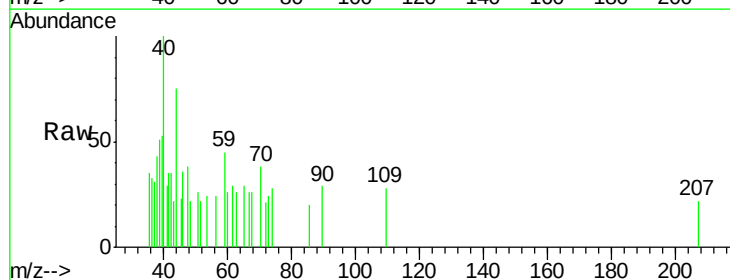
Acq: 16 Jan 2019 15:08

Tgt Ion: 59 Resp: 92

Ion Ratio Lower Upper

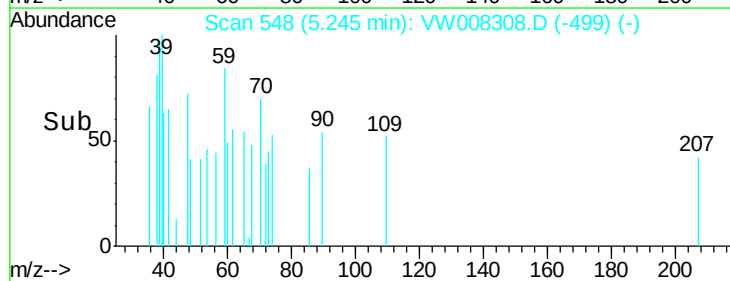
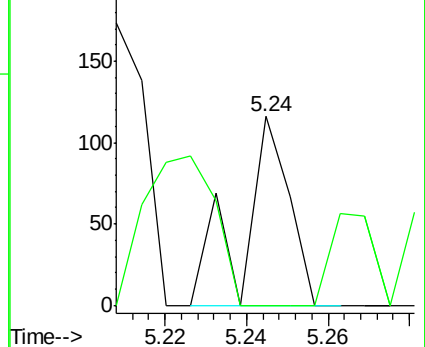
59 100

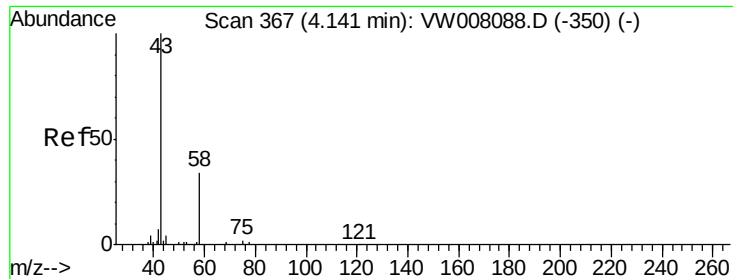
57 44.6 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

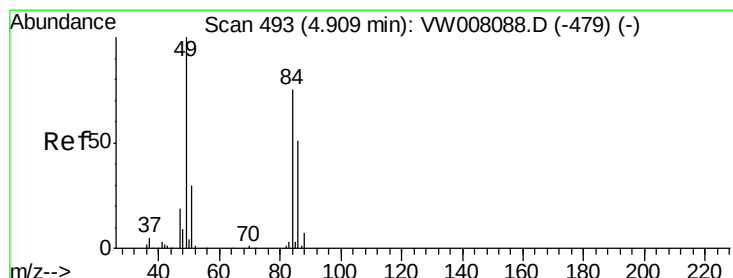
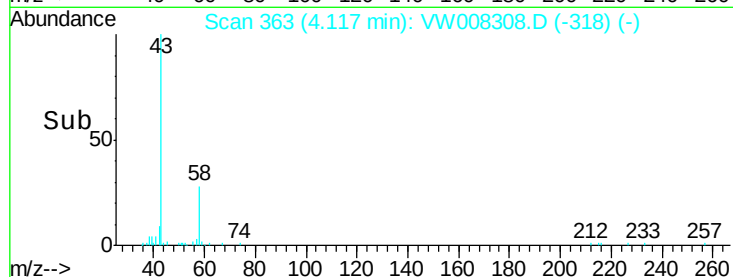
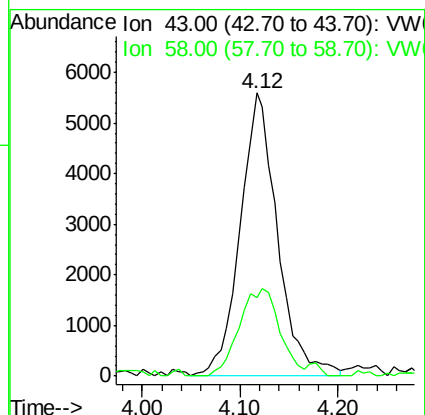
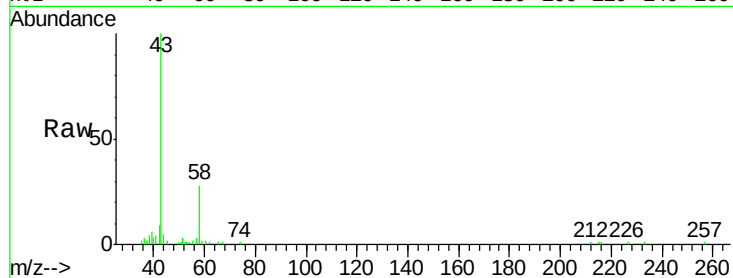




#16
Acetone
Concen: 79.556 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.02 min
Lab File: VW008308.D
Acq: 16 Jan 2019 15:08

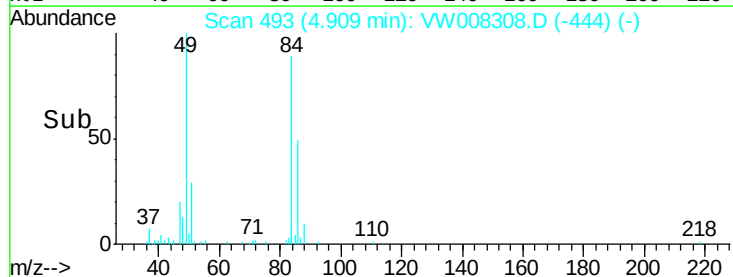
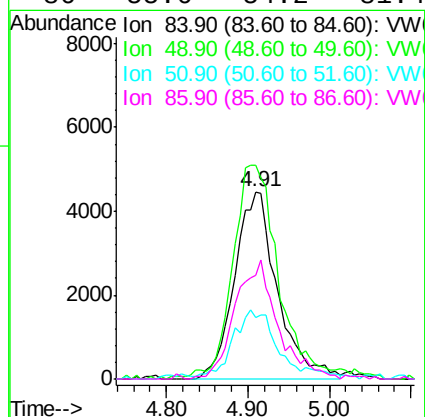
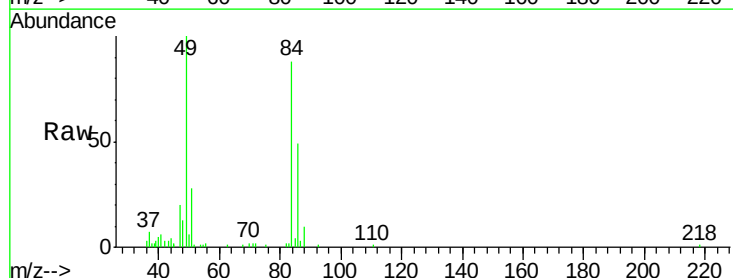
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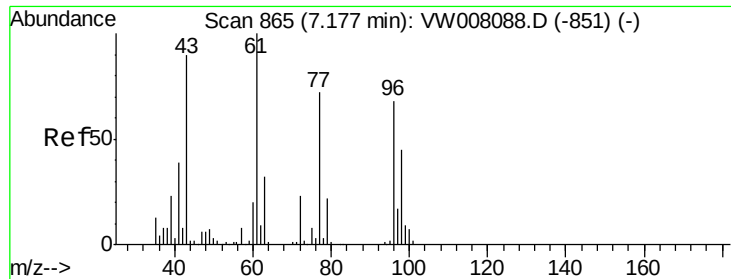
Tot Ion: 43 Resp: 14813
Ion Ratio Lower Upper
43 100
58 28.0 27.5 41.3



#20
Methylene Chloride
Concen: 15.423 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008308.D
Acq: 16 Jan 2019 15:08

Tgt Ion: 84 Resp: 16187
Ion Ratio Lower Upper
84 100
49 112.0 107.1 160.7
51 30.8 32.4 48.6#
86 55.6 54.2 81.4





#25

2-Butanone

Concen: 13.083 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008308.D

Acq: 16 Jan 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

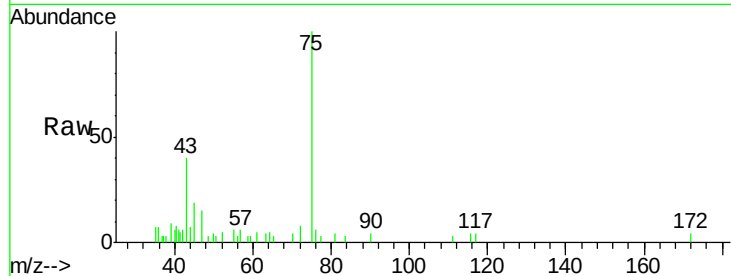
OK-01-011519-A

Tot Ion: 43 Resp: 3192

Ion Ratio Lower Upper

43 100

72 21.9 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

800

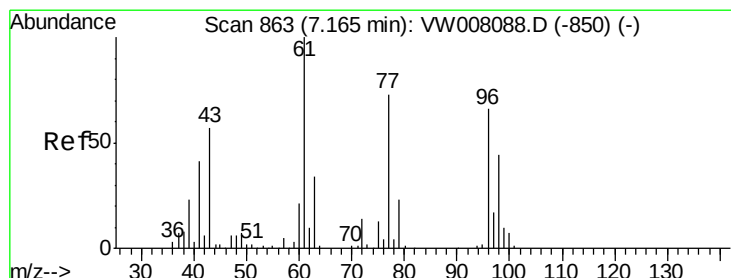
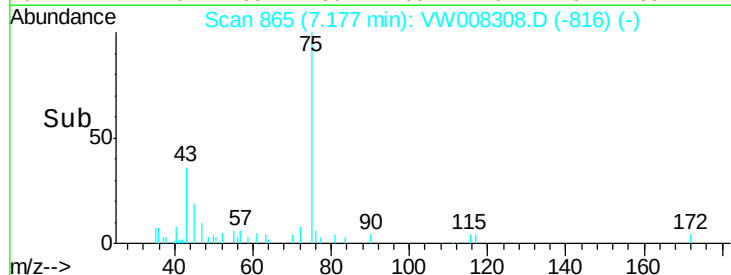
600

400

200

0

Time-->



#26

2,2-Dichloropropane

Concen: 1.128 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW008308.D

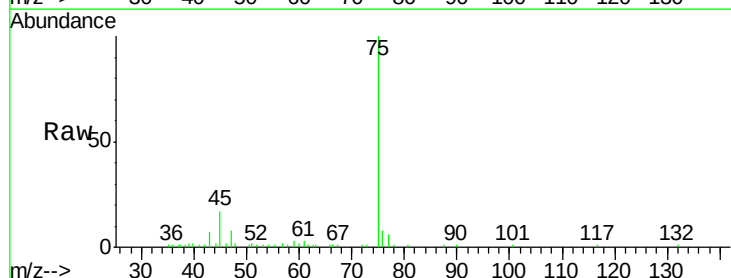
Acq: 16 Jan 2019 15:08

Tgt Ion: 77 Resp: 1317

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.15

600

500

400

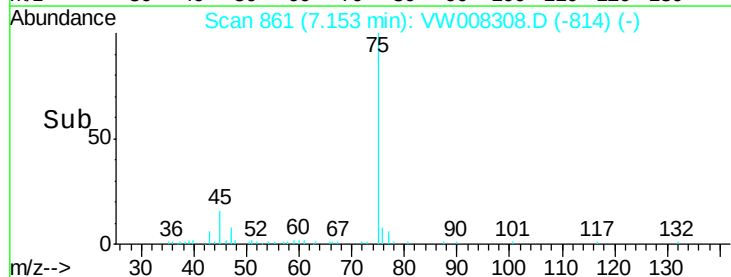
300

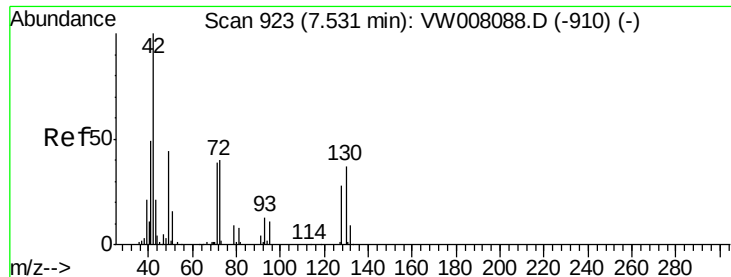
200

100

0

Time-->

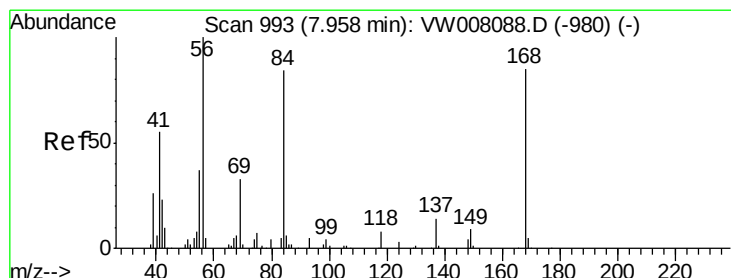
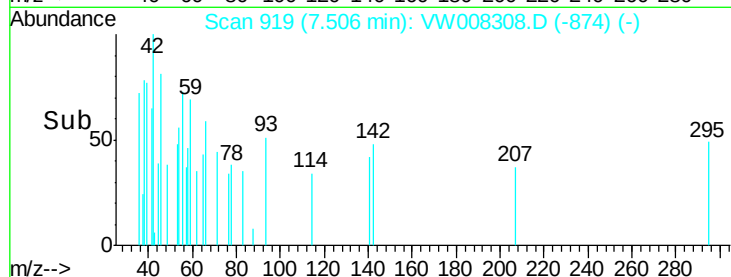
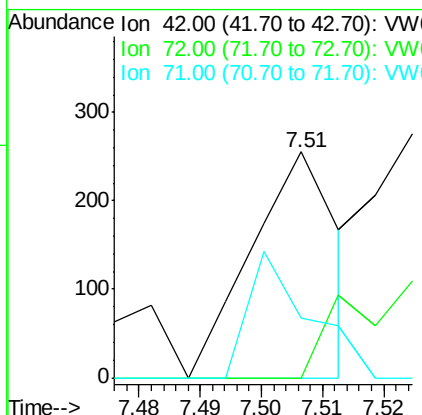
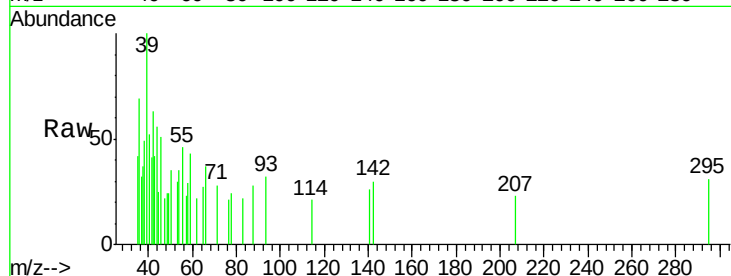




#29
Tetrahydrofuran
Concen: 1.534 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.02 min
Lab File: VW008308.D
Acq: 16 Jan 2019 15:08

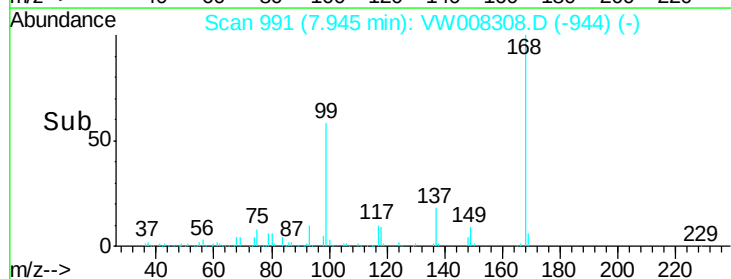
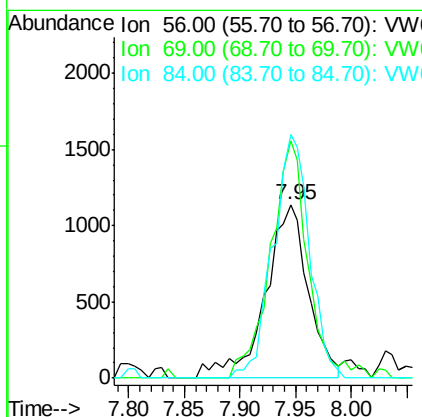
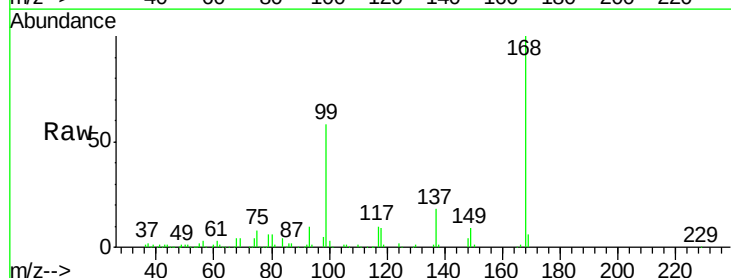
Instrument :
MSVOA_W
ClientSampleId :
OK-01-011519-A

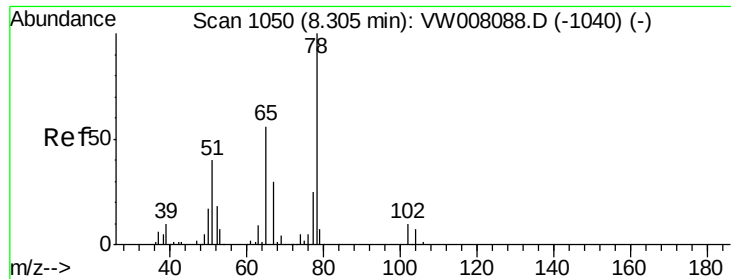
Tot Ion: 42 Resp: 250
Ion Ratio Lower Upper
42 100
72 0.0 32.4 48.6#
71 39.2 31.3 46.9



#31
Cyclohexane
Concen: 1.655 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008308.D
Acq: 16 Jan 2019 15:08

Tgt Ion: 56 Resp: 3054
Ion Ratio Lower Upper
56 100
69 136.9 26.2 39.4#
84 140.4 67.4 101.2#

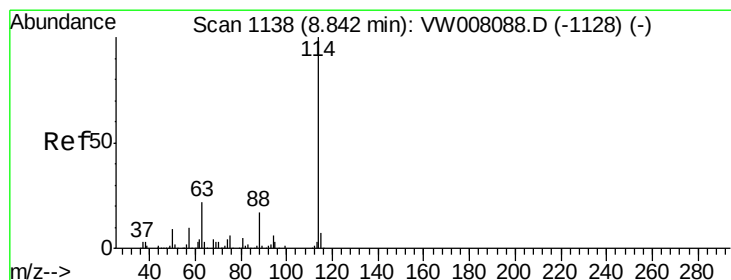
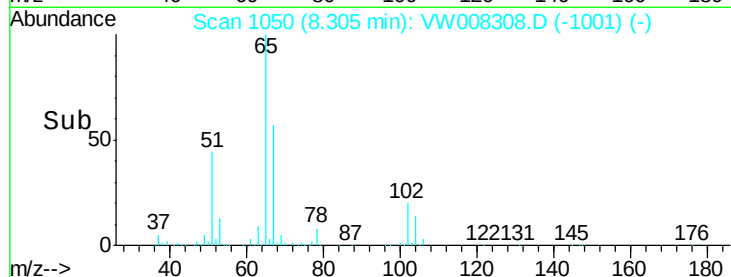
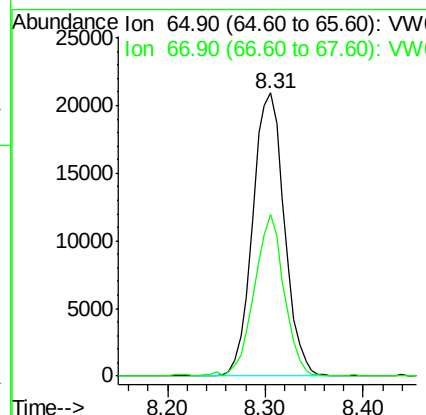
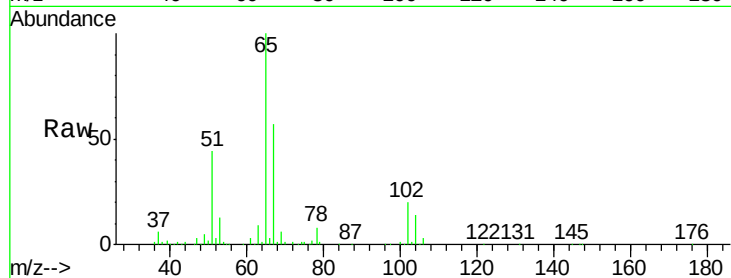




#33
 1,2-Dichloroethane-d4
 Concen: 53.854 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008308.D
 Acq: 16 Jan 2019 15:08

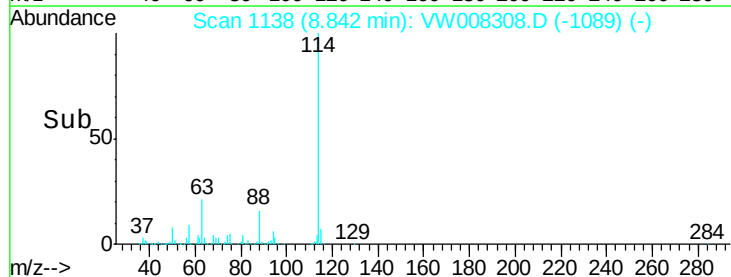
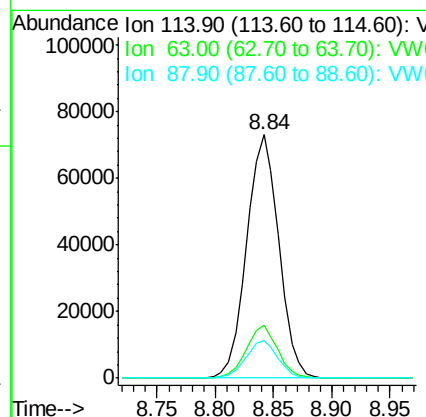
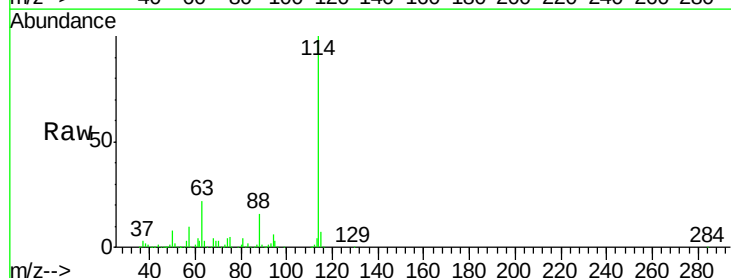
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-011519-A

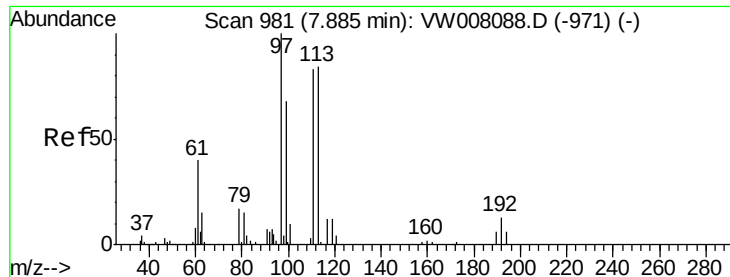
Tot Ion: 65 Resp: 47226
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008308.D
 Acq: 16 Jan 2019 15:08

Tgt Ion: 114 Resp: 141063
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.4
 88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.639 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008308.D

Acq: 16 Jan 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

OK-01-011519-A

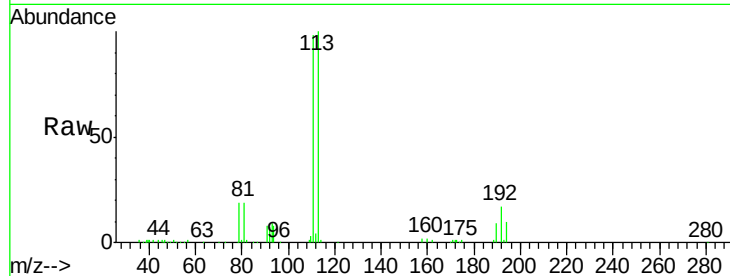
Tot Ion:113 Resp: 44953

Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.8

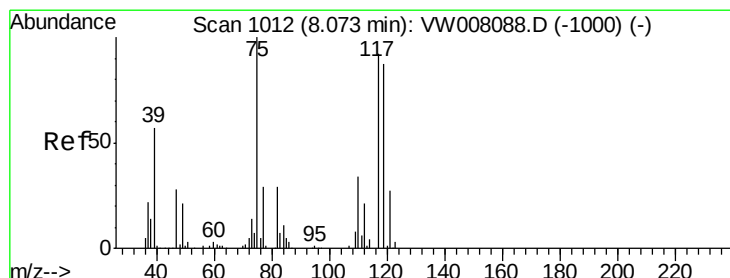
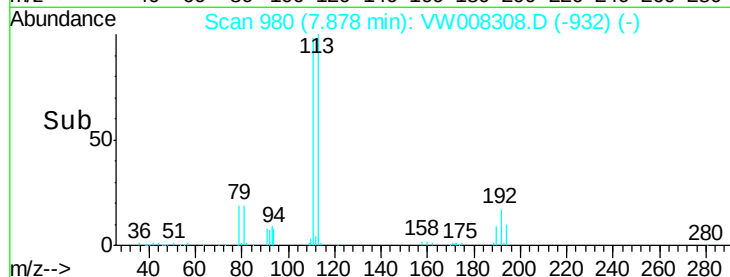
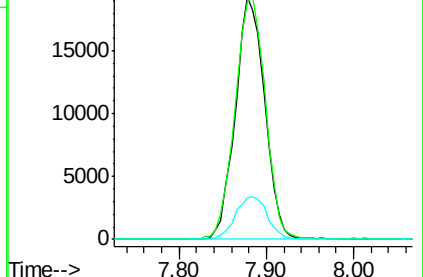
192 18.9 12.8 19.2



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



#38

Carbon Tetrachloride

Concen: 5.954 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008308.D

Acq: 16 Jan 2019 15:08

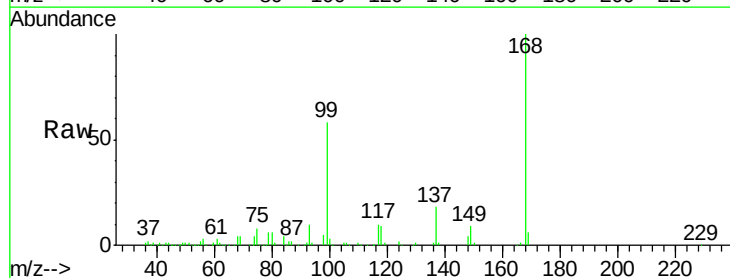
Tgt Ion:117 Resp: 7919

Ion Ratio Lower Upper

117 100

119 9.0 75.8 113.8#

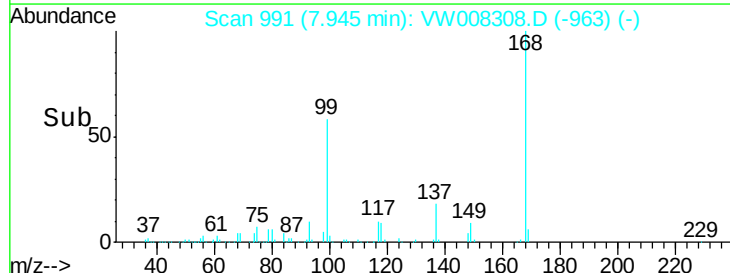
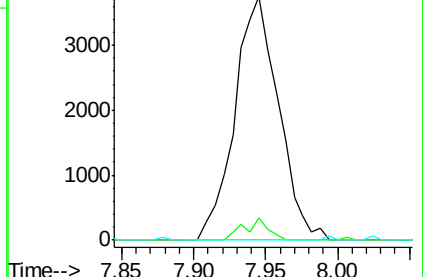
121 0.0 23.7 35.5#

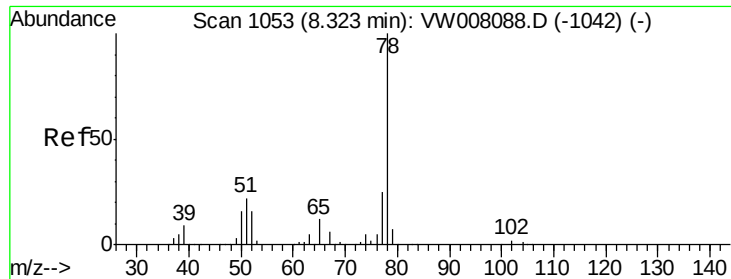


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 1.625 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW008308.D

Acq: 16 Jan 2019 15:08

Instrument :

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ClientSampleId :

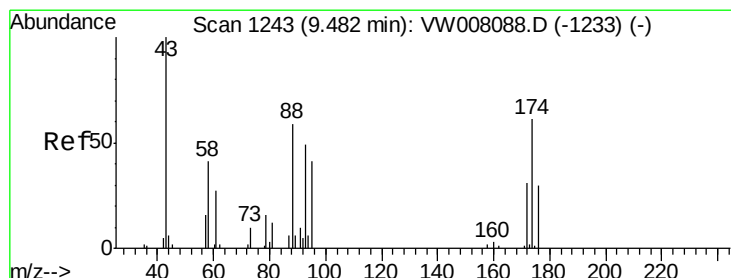
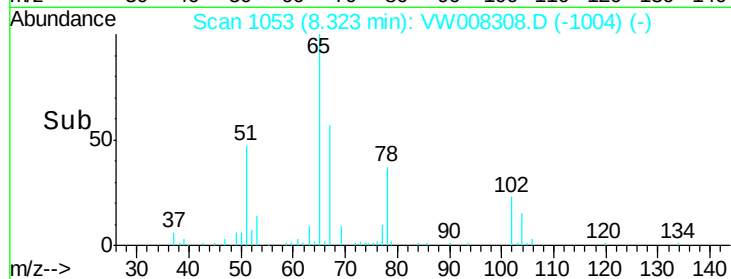
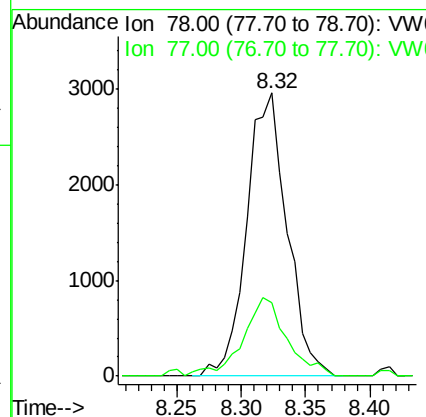
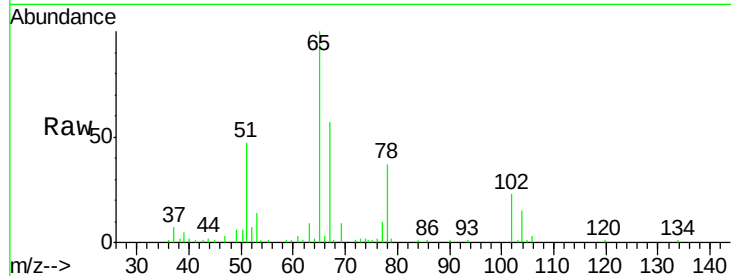
OK-01-011519-A

Tot Ion: 78 Resp: 6406

Ion Ratio Lower Upper

78 100

77 26.0 20.2 30.4



#49

1,4-Dioxane

Concen: 4.146 ug/l

RT: 9.52 min Scan# 1249

Delta R.T. 0.04 min

Lab File: VW008308.D

Acq: 16 Jan 2019 15:08

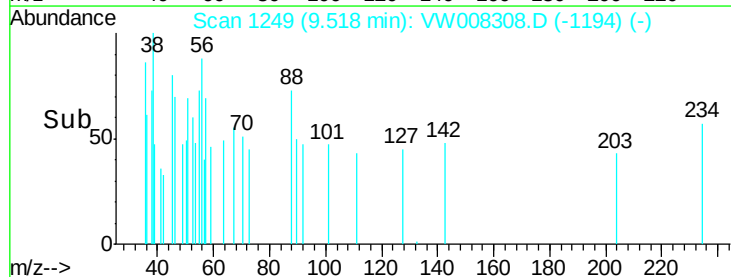
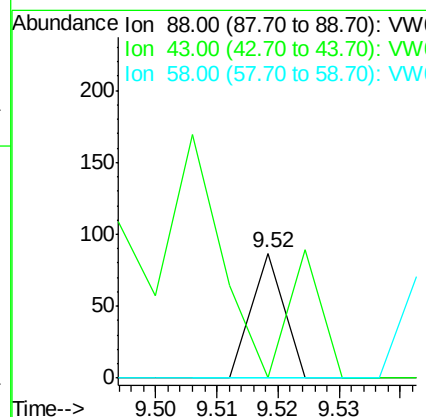
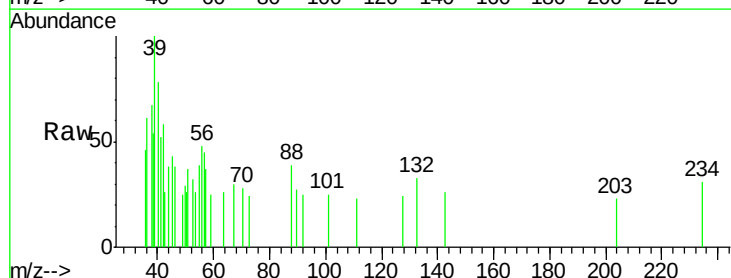
Tgt Ion: 88 Resp: 32

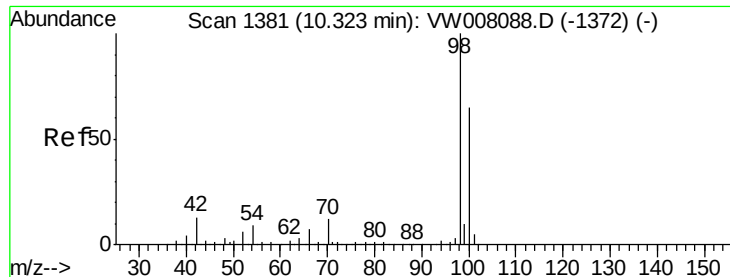
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 61.7 92.5#





#50

Toluene-d8

Concen: 51.432 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008308.D

Acq: 16 Jan 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

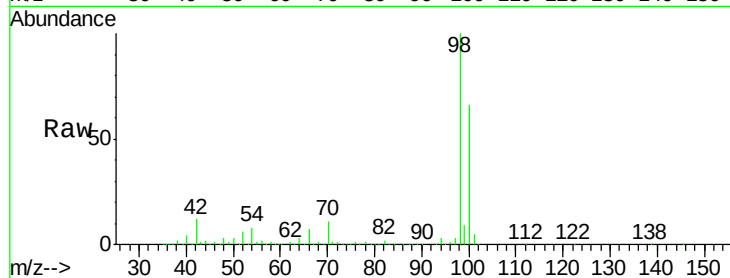
OK-01-011519-A

Tot Ion: 98 Resp: 177569

Ion Ratio Lower Upper

98 100

100 65.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

120000

100000

80000

60000

40000

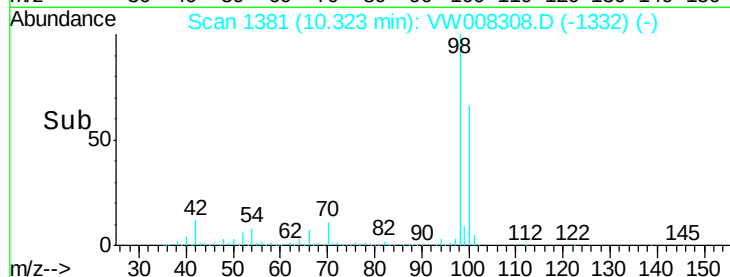
20000

0

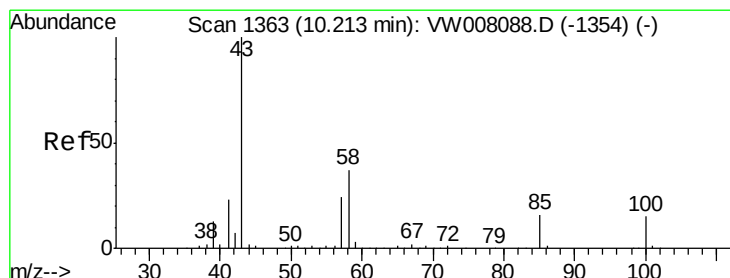
10.20

10.30

10.40



Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.232 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008308.D

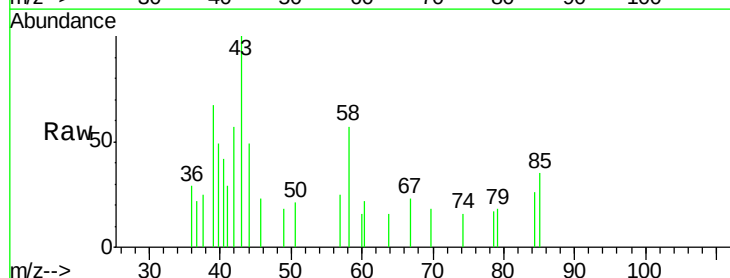
Acq: 16 Jan 2019 15:08

Tgt Ion: 43 Resp: 694

Ion Ratio Lower Upper

43 100

58 59.4 30.6 46.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

300

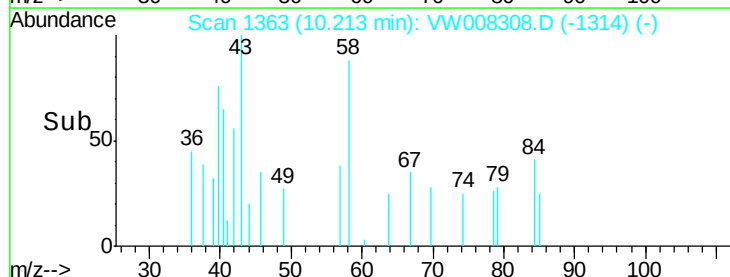
200

100

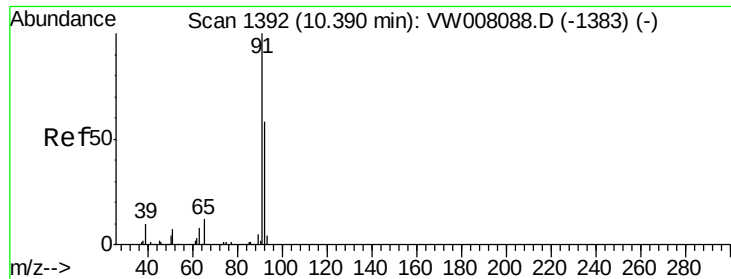
0

10.20

10.25



Time-->



#52

Toluene

Concen: 9.166 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008308.D

Acq: 16 Jan 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

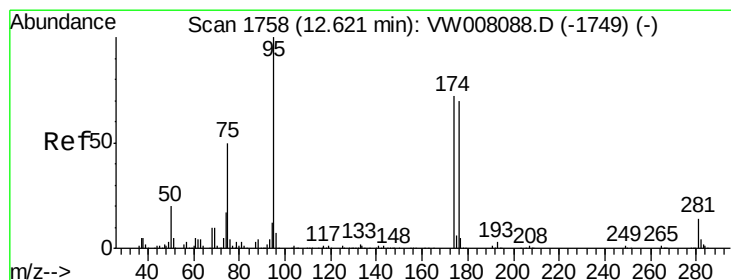
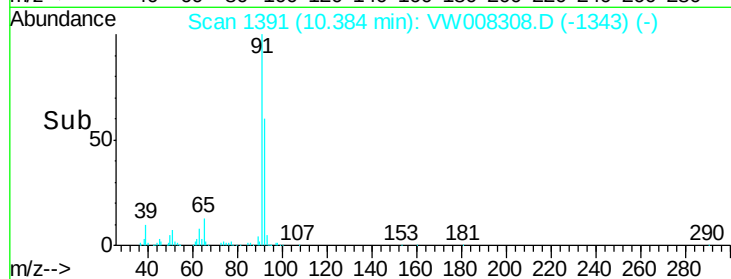
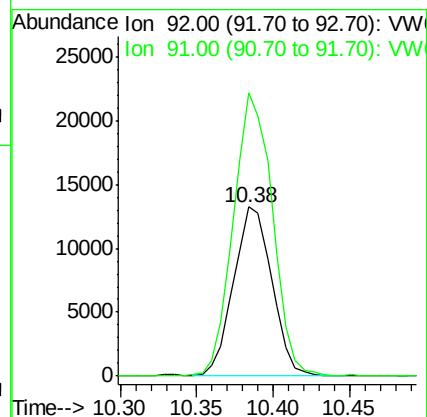
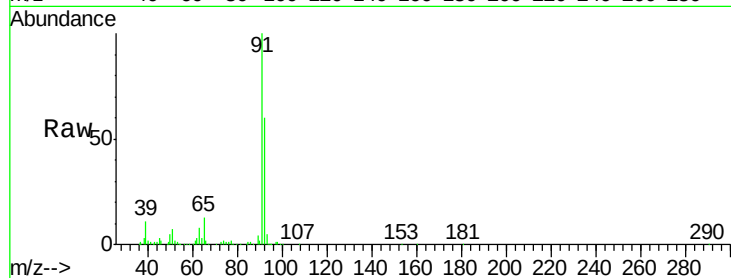
OK-01-011519-A

Tot Ion: 92 Resp: 23072

Ion Ratio Lower Upper

92 100

91 171.1 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 48.642 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008308.D

Acq: 16 Jan 2019 15:08

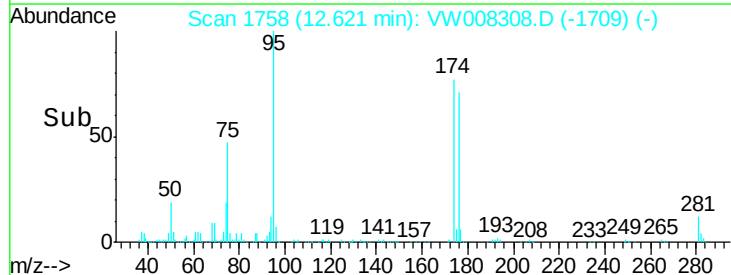
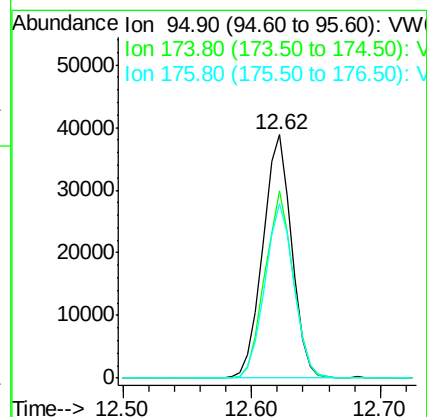
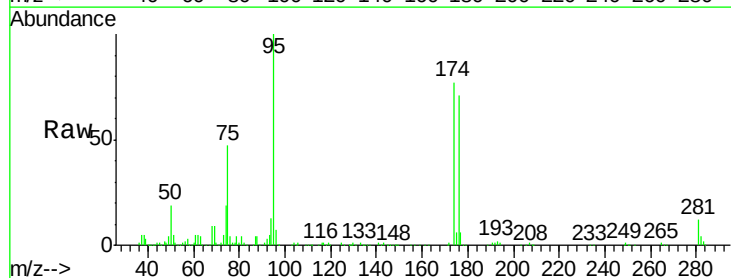
Tgt Ion: 95 Resp: 60205

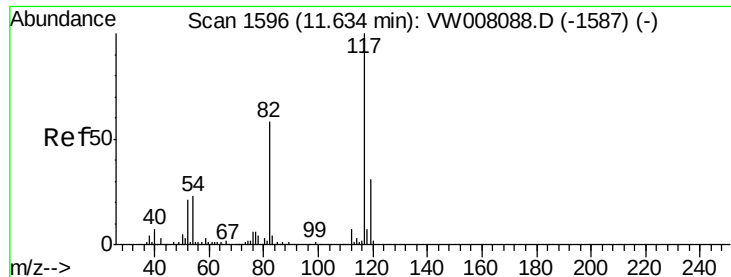
Ion Ratio Lower Upper

95 100

174 75.3 0.0 143.0

176 71.9 0.0 140.2

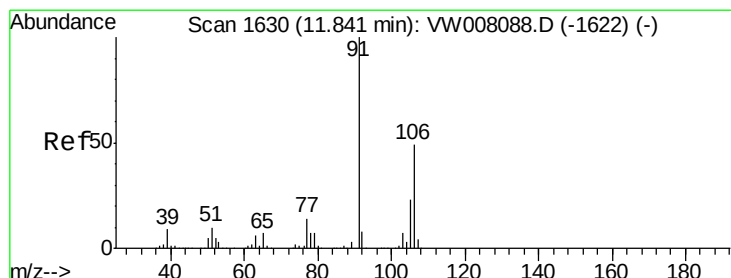
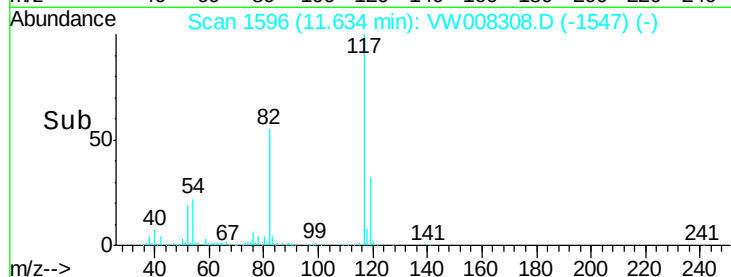
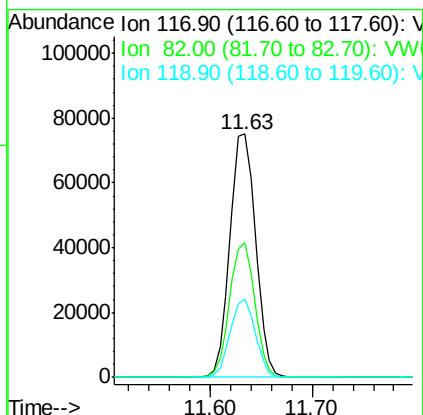
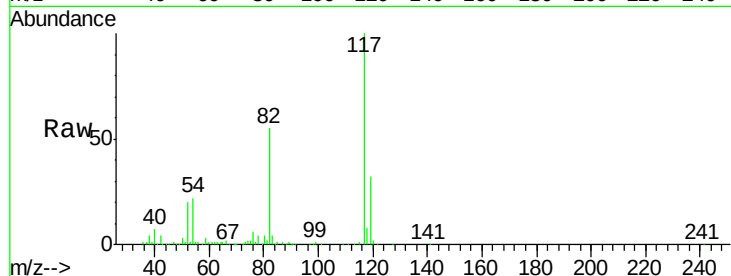




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008308.D
Acq: 16 Jan 2019 15:08

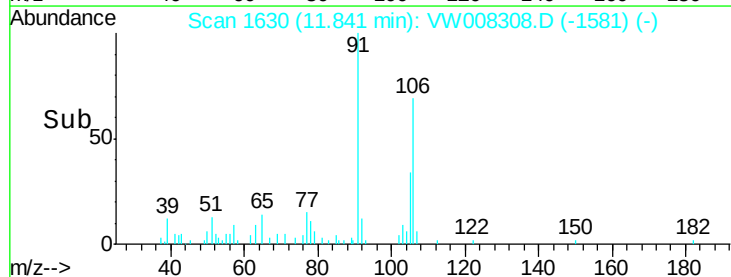
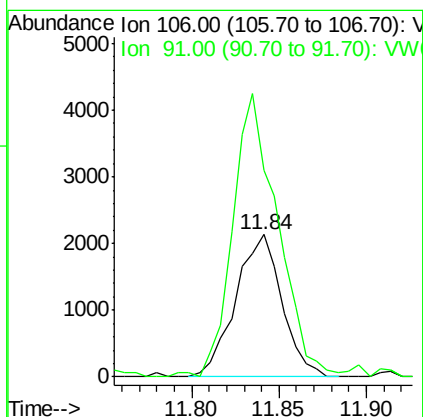
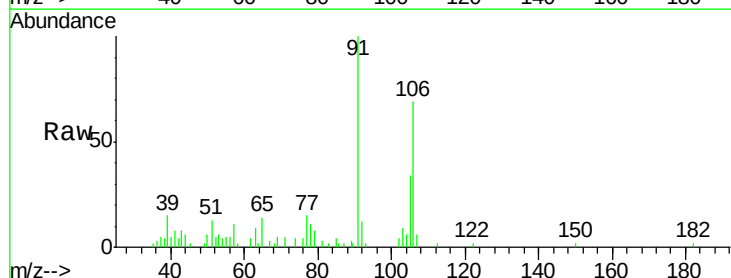
Instrument :
MSVOA_W
ClientSampleId :
OK-01-011519-A

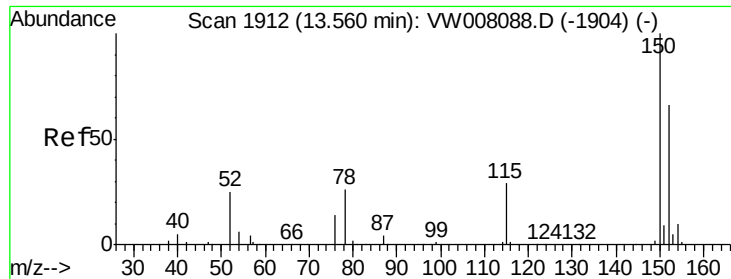
Tot Ion:117 Resp: 130586
Ion Ratio Lower Upper
117 100
82 55.3 46.4 69.6
119 32.2 24.7 37.1



#68
m/p-Xylenes
Concen: 2.040 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008308.D
Acq: 16 Jan 2019 15:08

Tgt Ion:106 Resp: 3942
Ion Ratio Lower Upper
106 100
91 191.9 162.4 243.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008308.D

Acq: 16 Jan 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

OK-01-011519-A

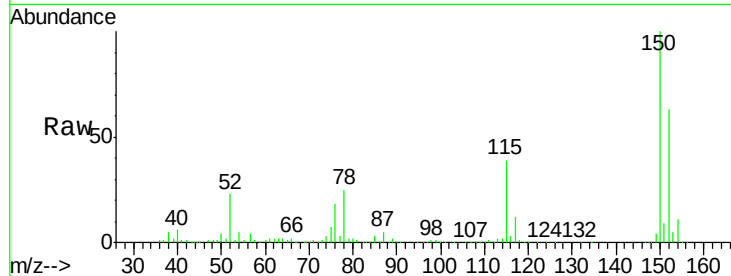
Tot Ion:152 Resp: 55927

Ion Ratio Lower Upper

152 100

115 61.5 30.8 92.4

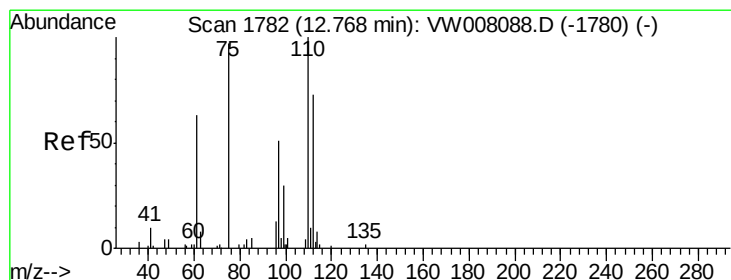
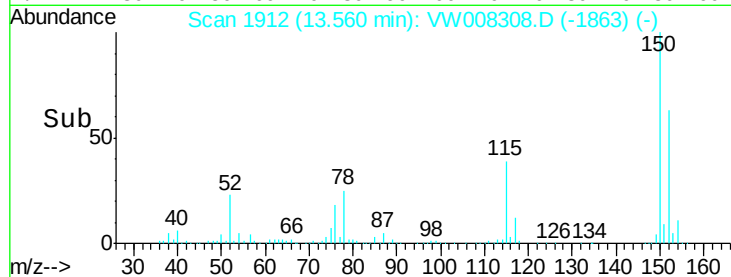
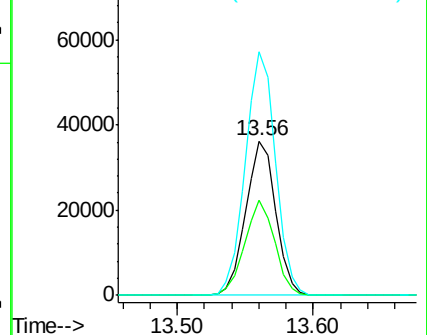
150 159.1 0.0 350.2



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: 59.247 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008308.D

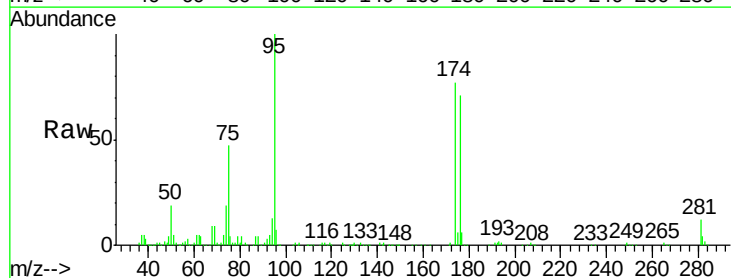
Acq: 16 Jan 2019 15:08

Tgt Ion: 75 Resp: 30206

Ion Ratio Lower Upper

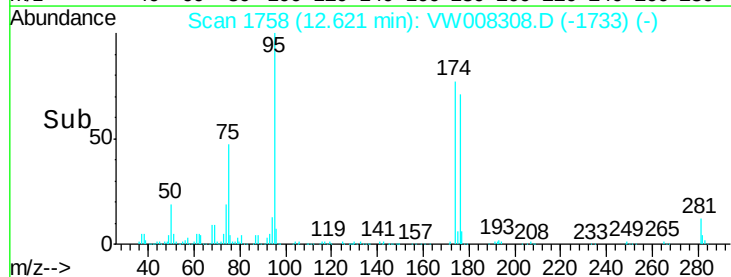
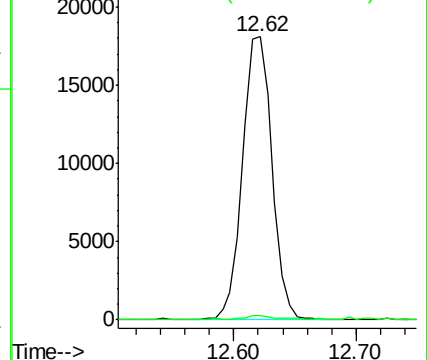
75 100

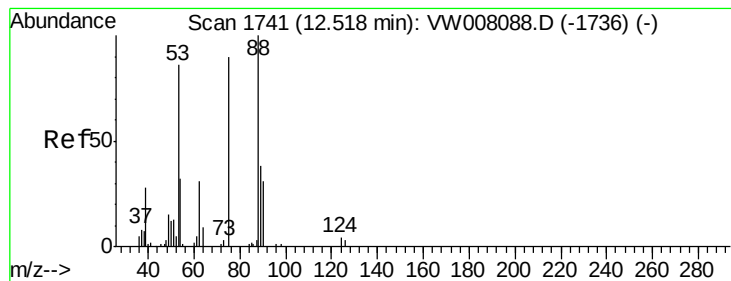
77 1.6 179.4 538.2#



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: 137.967 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008308.D

Acq: 16 Jan 2019 15:08

Instrument :

MSVOA_W

ClientSampleId :

OK-01-011519-A

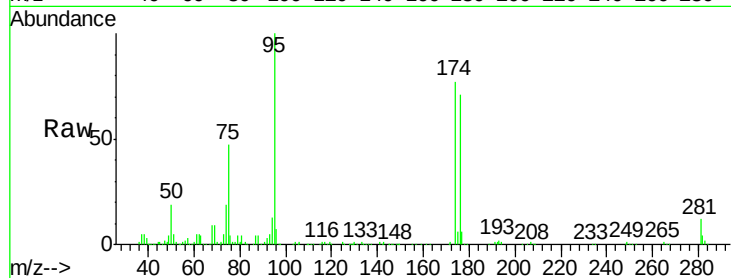
Tot Ion: 75 Resp: 30206

Ion Ratio Lower Upper

75 100

53 0.5 78.8 118.2#

89 0.2 35.4 53.2#



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

