

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000964.D
 Acq On : 24 Jan 2018 22:45
 Operator : JC/SY
 Sample : VW0124SBL02
 Misc : 5.0G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBL02

Quant Time: Jan 25 04:45:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	249324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	359315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	323692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	164938	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	123552	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
35) Dibromofluoromethane	7.88	113	98897	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	
50) Toluene-d8	10.34	98	428670	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.63	95	146327	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	

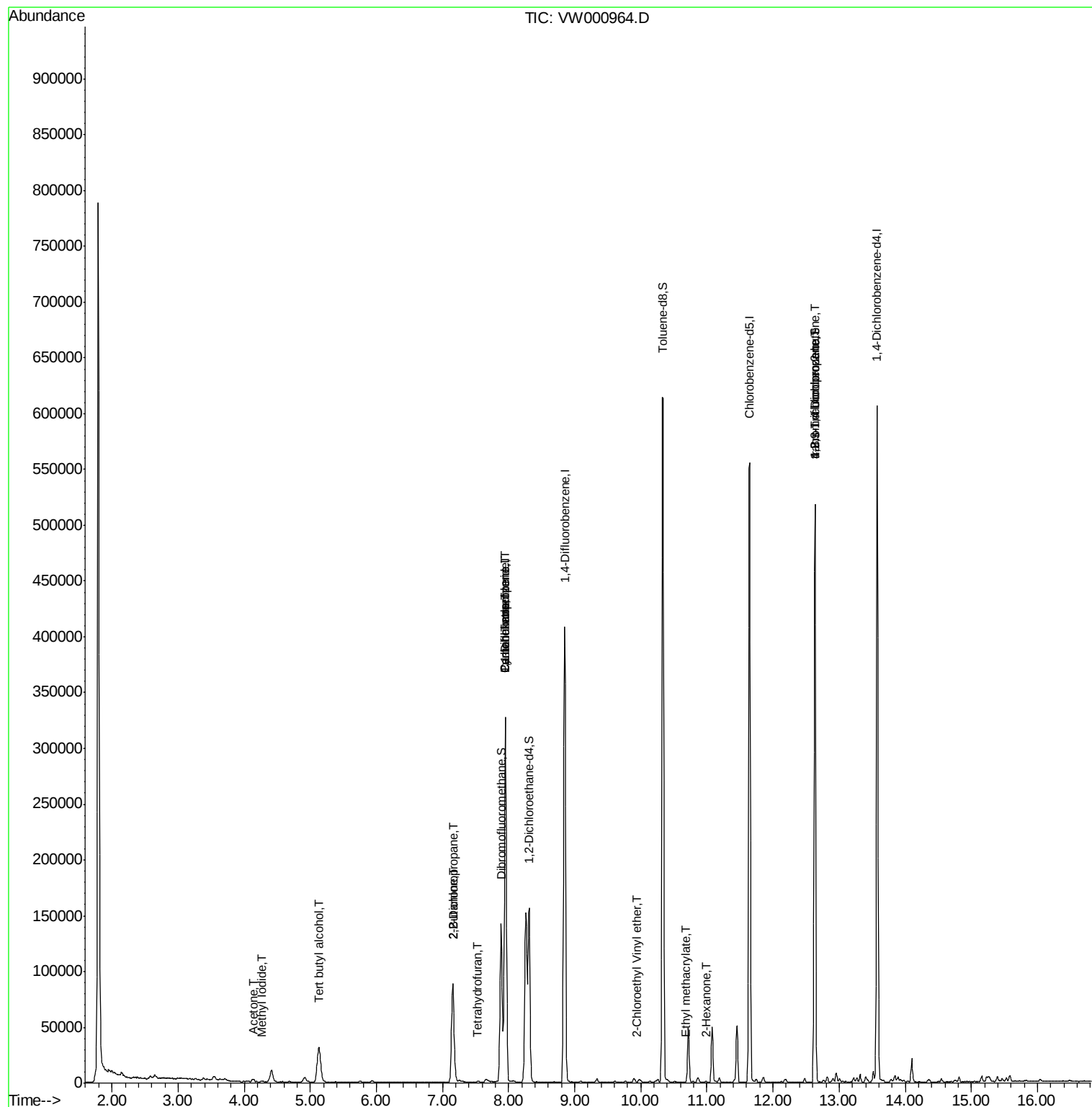
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.27	142	1155	5.28	ug/l #	93
11) Tert butyl alcohol	5.13	59	28915	111.57	ug/l #	78
16) Acetone	4.14	43	4641	22.12	ug/l	99
20) Methylene Chloride	4.90	84	1746	Below Cal		92
25) 2-Butanone	7.16	43	5147	4.87	ug/l #	78
26) 2,2-Dichloropropane	7.15	77	5937	1.55	ug/l #	52
29) Tetrahydrofuran	7.54	42	590	1.01	ug/l #	47
31) Cyclohexane	7.95	56	5375	1.38	ug/l #	26
36) 1,1-Dichloropropene	7.95	75	17936	5.23	ug/l #	43
38) Carbon Tetrachloride	7.95	117	23214	6.14	ug/l #	18
56) Ethyl methacrylate	10.68	69	48	3.26	ug/l #	59
58) 2-Chloroethyl Vinyl ether	9.94	63	84	25.90	ug/l	96
59) 2-Hexanone	10.99	43	624	15.03	ug/l	86
76) 1,2,3-Trichloropropane	12.63	75	73033	38.27	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	73033	91.83	ug/l #	11

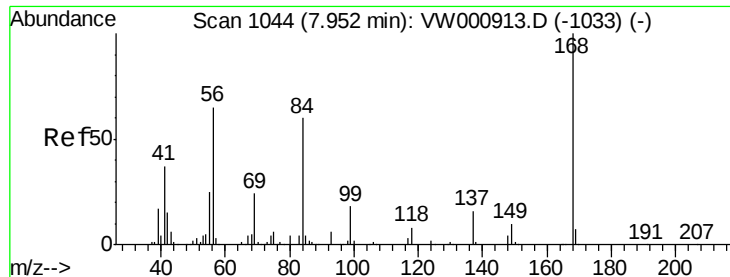
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 23 13:31:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000964.D

Acq: 24 Jan 2018 22:45

Instrument :

MSVOA_W

ClientSampleId :

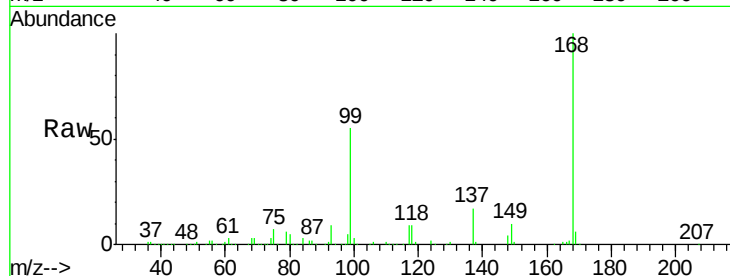
VW0124SBL02

Tgt Ion:168 Resp: 249324

Ion Ratio Lower Upper

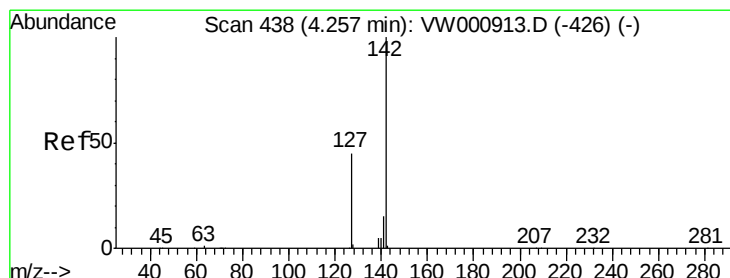
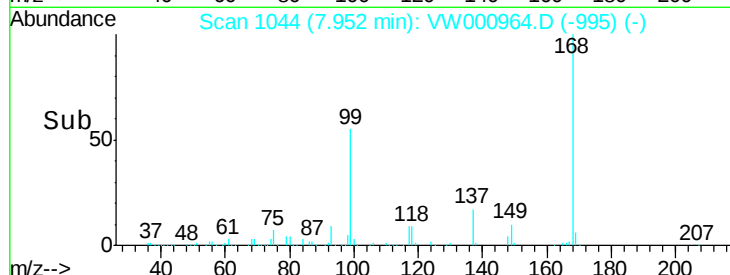
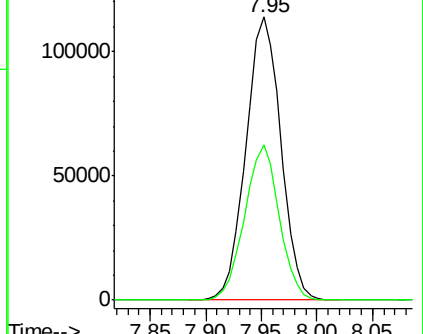
168 100

99 54.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#10

Methyl Iodide

Concen: 5.28 ug/l

RT: 4.27 min Scan# 440

Delta R.T. 0.01 min

Lab File: VW000964.D

Acq: 24 Jan 2018 22:45

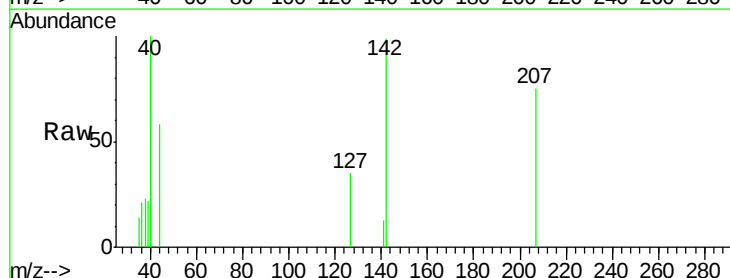
Tgt Ion:142 Resp: 1155

Ion Ratio Lower Upper

142 100

127 45.5 35.5 53.3

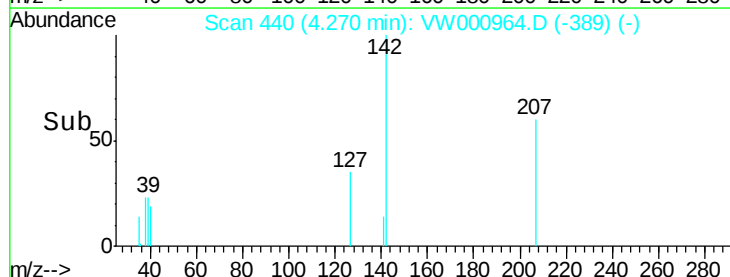
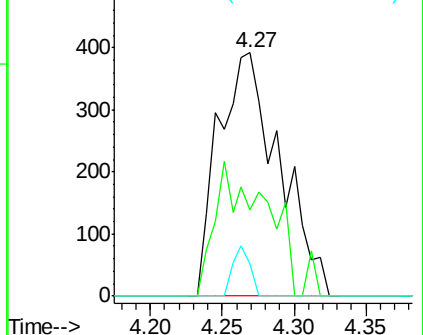
141 6.0 11.7 17.5#

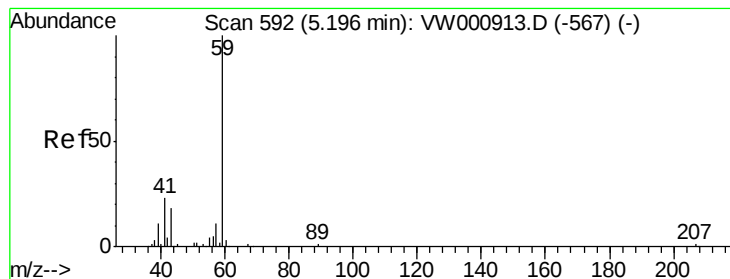


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



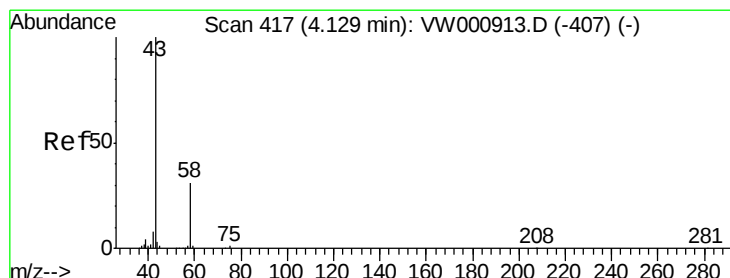
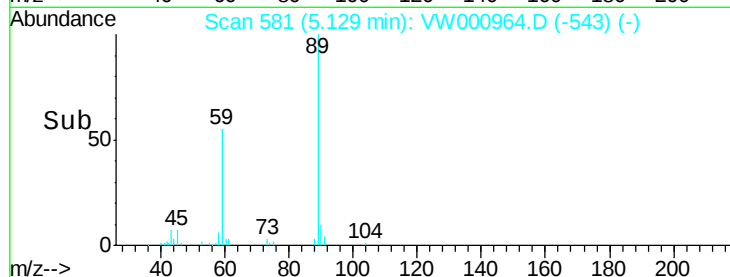
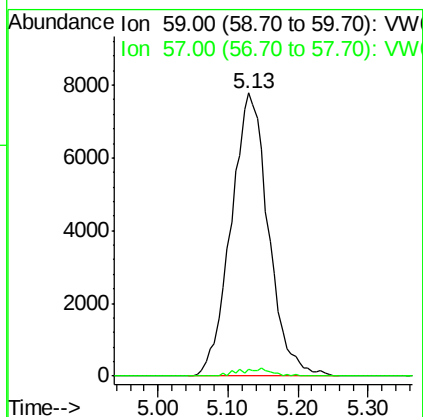
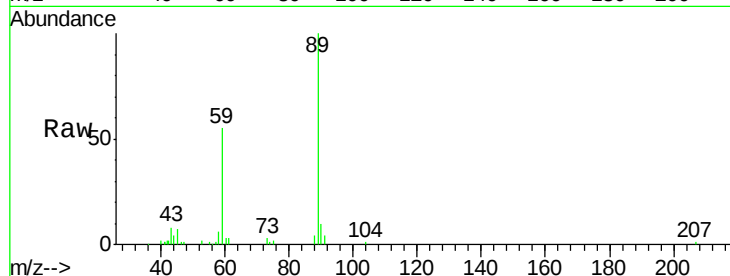


#11

Tert butyl alcohol
 Concen: 111.57 ug/l
 RT: 5.13 min Scan# 581
 Delta R.T. -0.07 min
 Lab File: VW000964.D
 Acq: 24 Jan 2018 22:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBL02

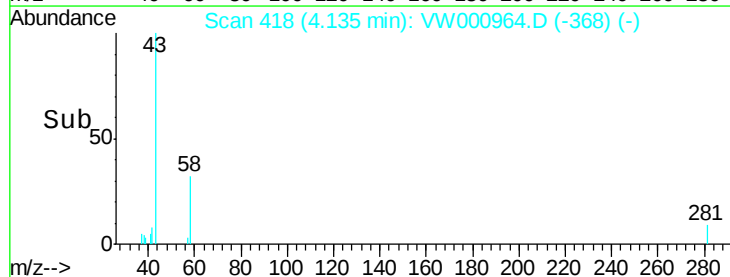
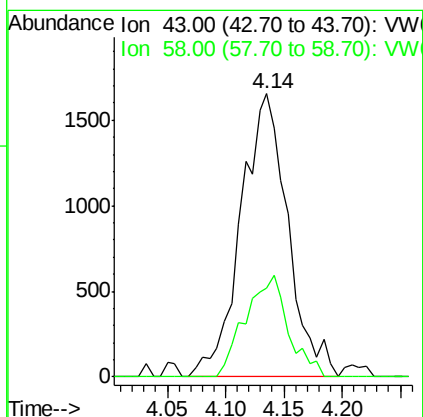
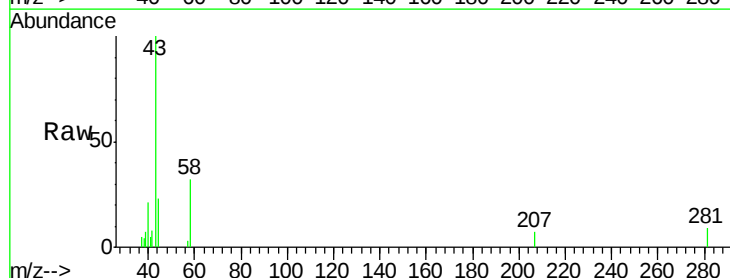
Tgt Ion: 59 Resp: 28915
 Ion Ratio Lower Upper
 59 100
 57 0.8 7.0 10.6#

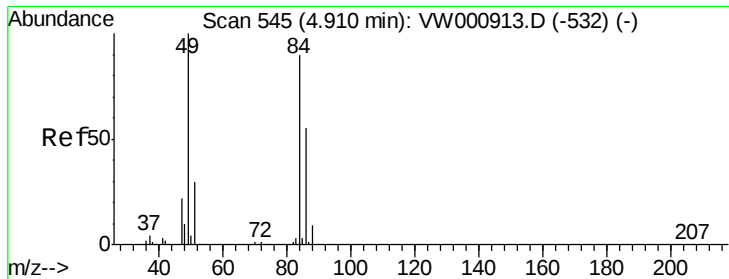


#16

Acetone
 Concen: 22.12 ug/l
 RT: 4.14 min Scan# 418
 Delta R.T. 0.01 min
 Lab File: VW000964.D
 Acq: 24 Jan 2018 22:45

Tgt Ion: 43 Resp: 4641
 Ion Ratio Lower Upper
 43 100
 58 31.6 24.9 37.3





#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 543

Delta R.T. -0.01 min

Lab File: VW000964.D

Acq: 24 Jan 2018 22:45

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBL02

Tgt Ion: 84 Resp: 1746

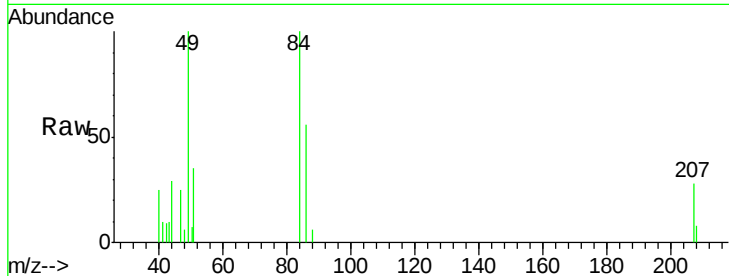
Ion Ratio Lower Upper

84 100

49 100.1 89.0 133.4

51 35.5 26.7 40.1

86 56.3 48.7 73.1

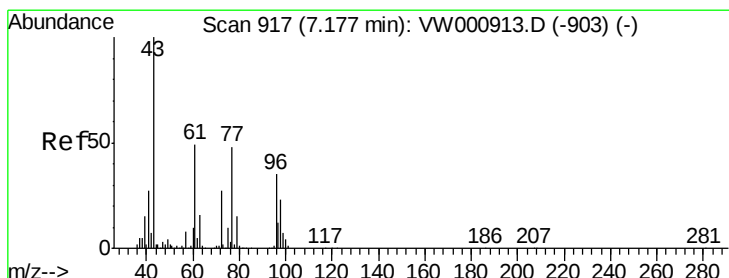
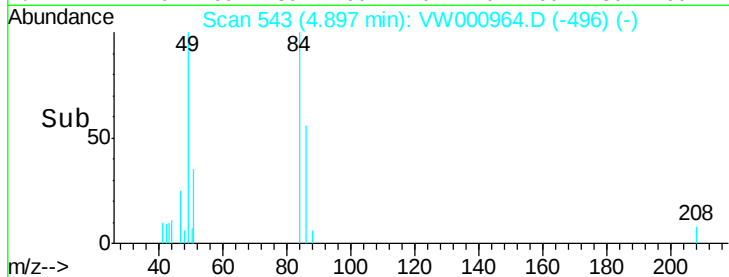
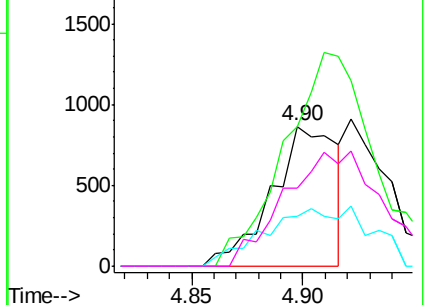


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 4.87 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.02 min

Lab File: VW000964.D

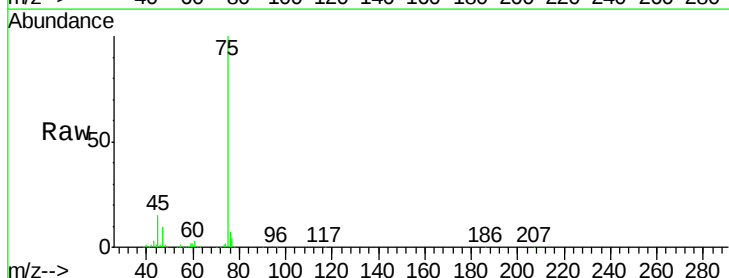
Acq: 24 Jan 2018 22:45

Tgt Ion: 43 Resp: 5147

Ion Ratio Lower Upper

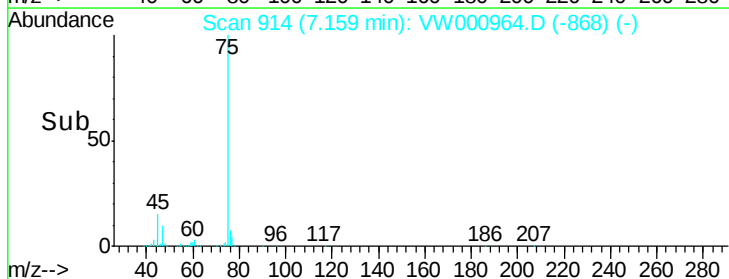
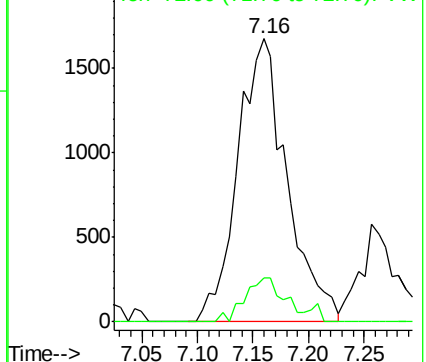
43 100

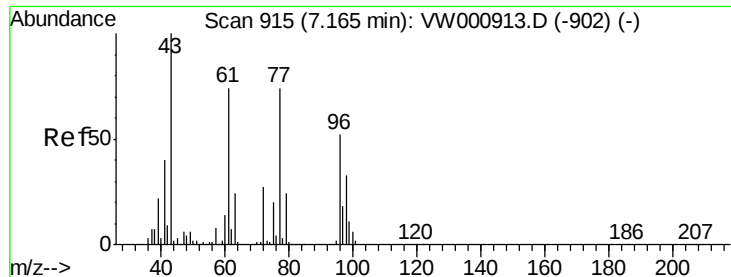
72 15.6 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 1.55 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW000964.D

Acq: 24 Jan 2018 22:45

Instrument :

MSVOA_W

ClientSampleId :

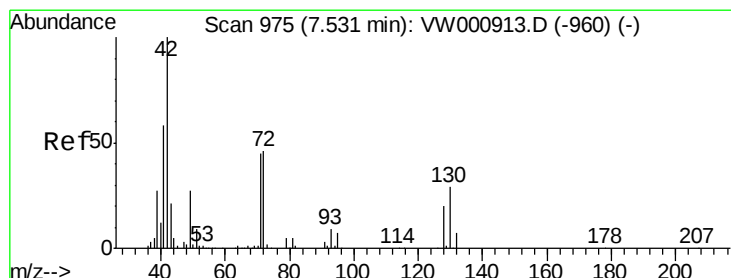
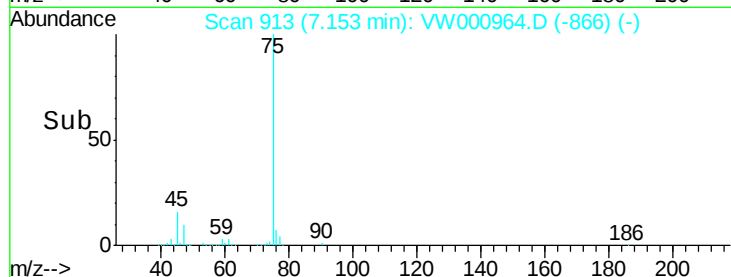
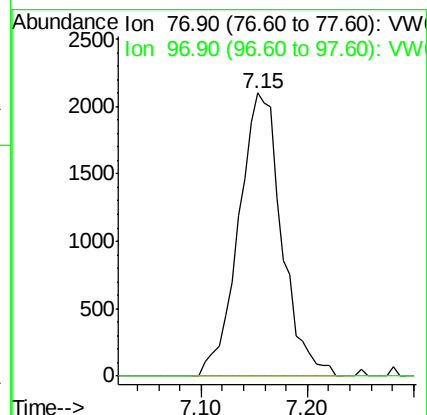
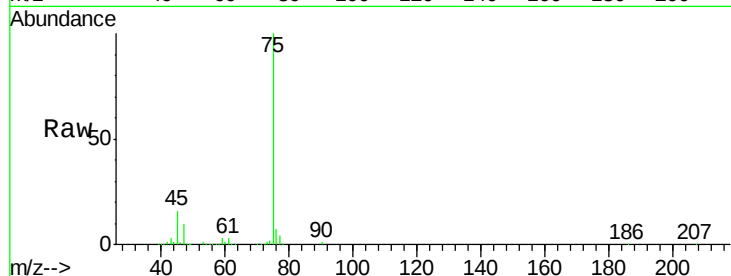
VW0124SBL02

Tgt Ion: 77 Resp: 5937

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#



#29

Tetrahydrofuran

Concen: 1.01 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.01 min

Lab File: VW000964.D

Acq: 24 Jan 2018 22:45

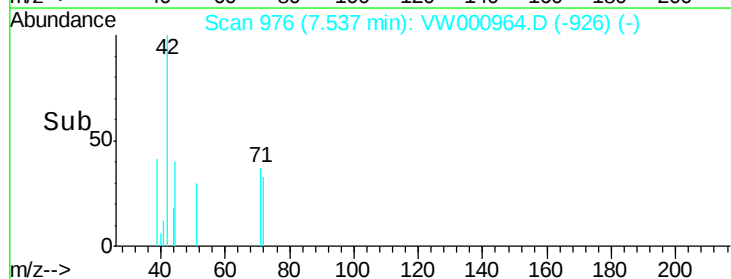
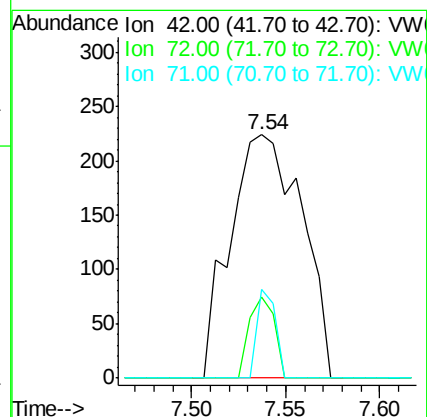
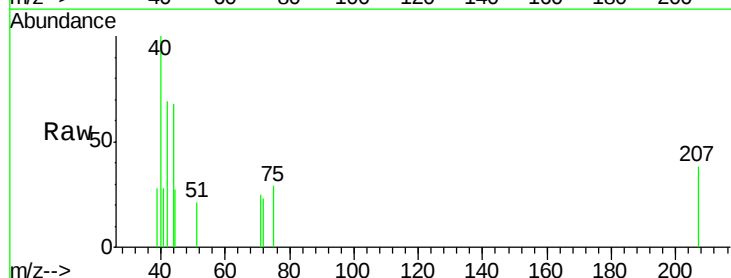
Tgt Ion: 42 Resp: 590

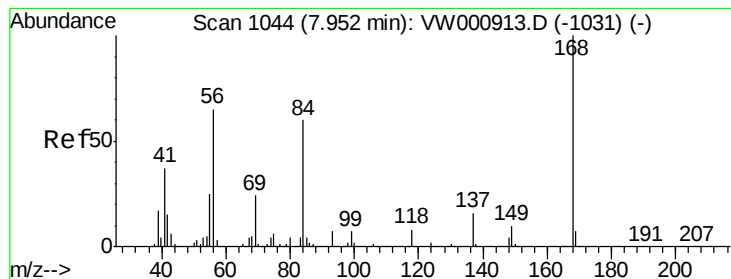
Ion Ratio Lower Upper

42 100

72 11.7 37.1 55.7#

71 9.3 34.9 52.3#





#31

Cyclohexane

Concen: 1.38 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW000964.D

Acq: 24 Jan 2018 22:45

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBL02

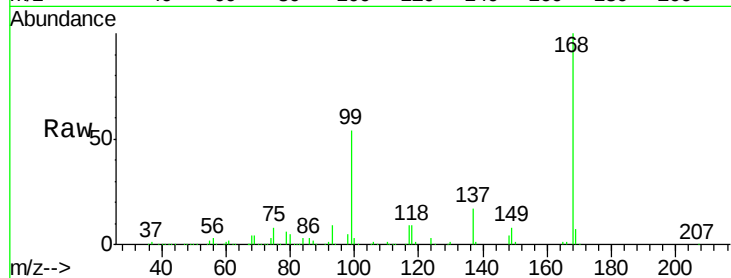
Tgt Ion: 56 Resp: 5375

Ion Ratio Lower Upper

56 100

69 141.1 29.2 43.8#

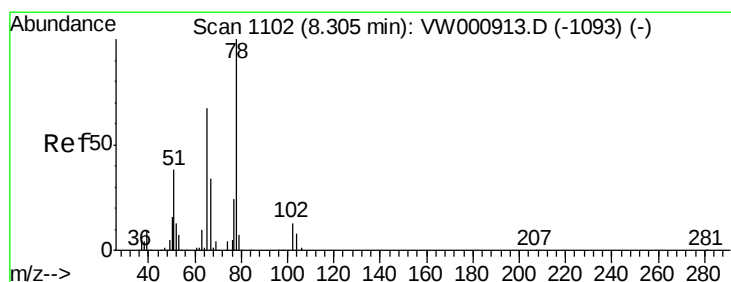
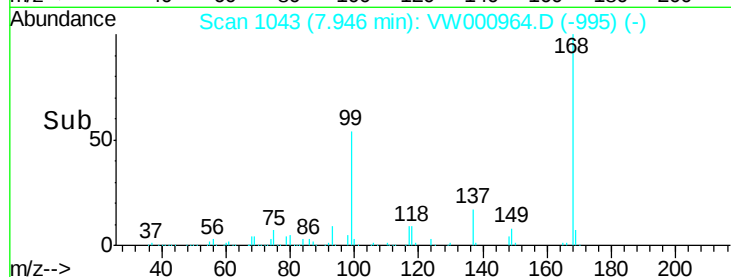
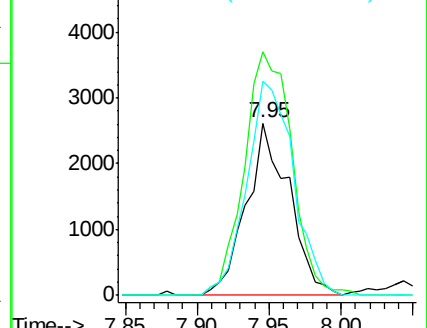
84 124.0 73.6 110.4#



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: 51.70 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW000964.D

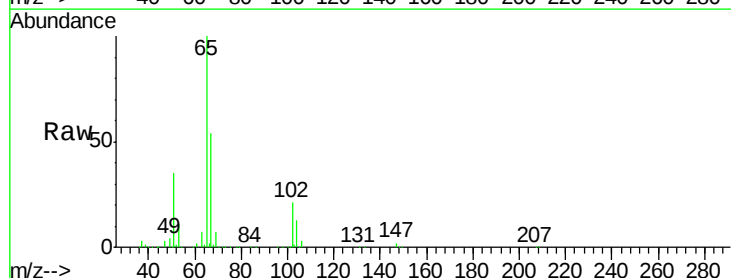
Acq: 24 Jan 2018 22:45

Tgt Ion: 65 Resp: 123552

Ion Ratio Lower Upper

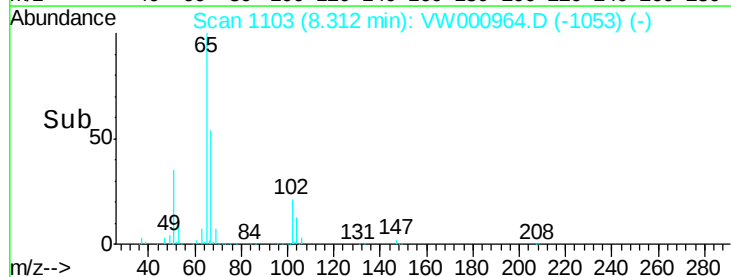
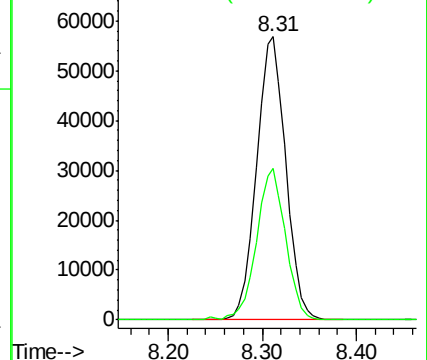
65 100

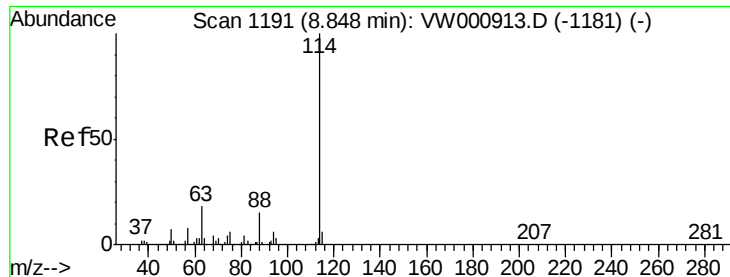
67 53.5 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW000964.D

Acq: 24 Jan 2018 22:45

Instrument :

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VW0124SBL02

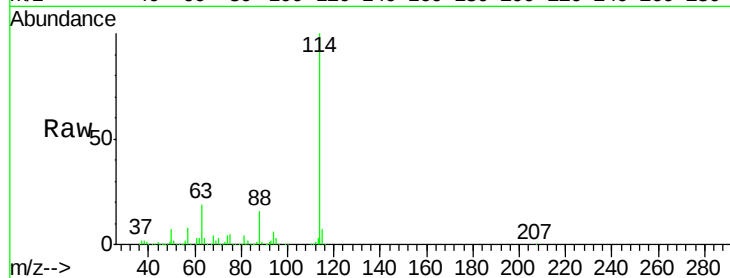
Tgt Ion:114 Resp: 359315

Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.8

88 15.5 0.0 29.8



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

250000

200000

150000

100000

50000

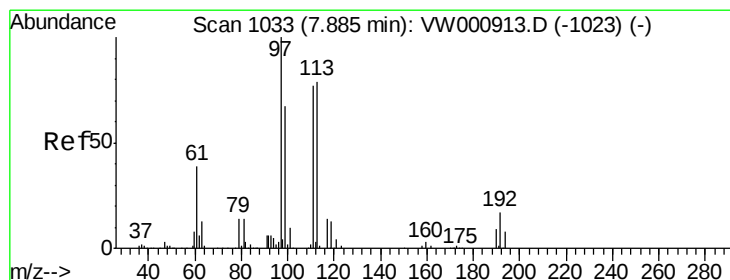
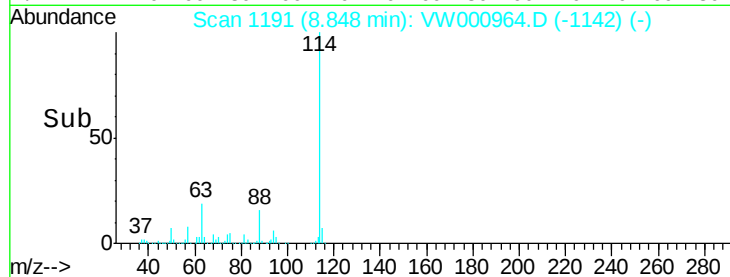
0

8.80

8.85

8.90

Time-->



#35

Dibromofluoromethane

Concen: 44.93 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW000964.D

Acq: 24 Jan 2018 22:45

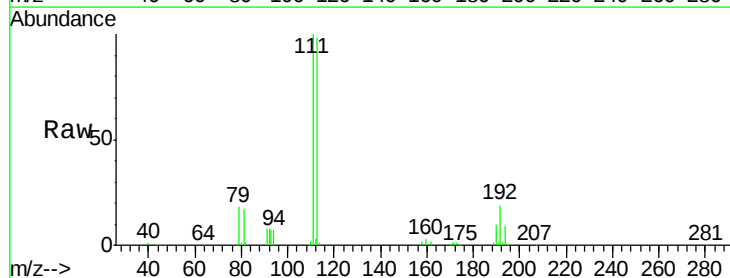
Tgt Ion:113 Resp: 98897

Ion Ratio Lower Upper

113 100

111 101.5 80.4 120.6

192 21.3 17.0 25.4



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

60000

50000

40000

30000

20000

10000

0

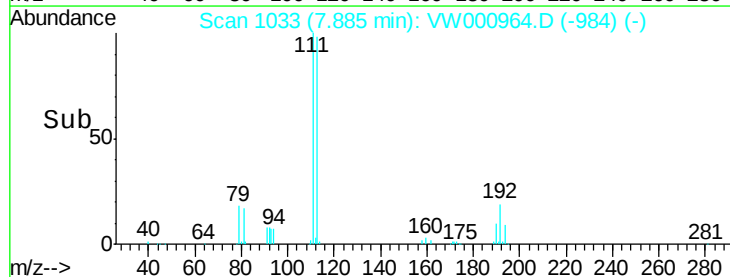
7.80

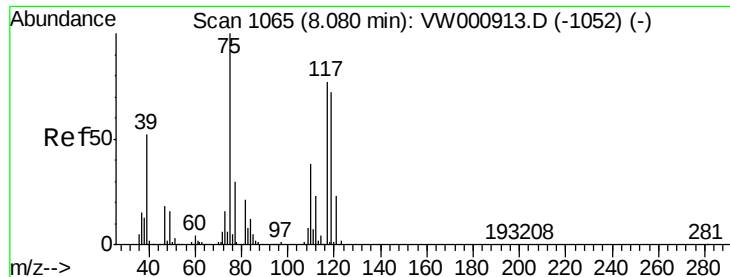
7.88

7.90

8.00

Time-->





#36

1,1-Dichloropropene

Concen: 5.23 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW000964.D

Acq: 24 Jan 2018 22:45

Instrument :

MSVOA_W

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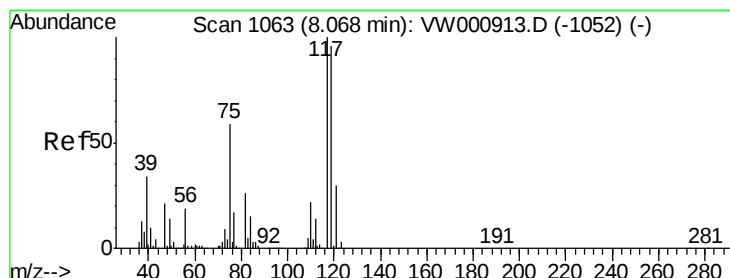
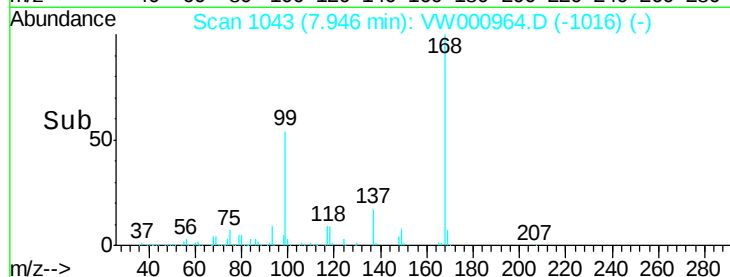
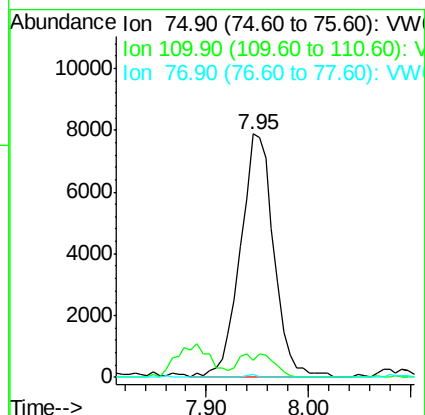
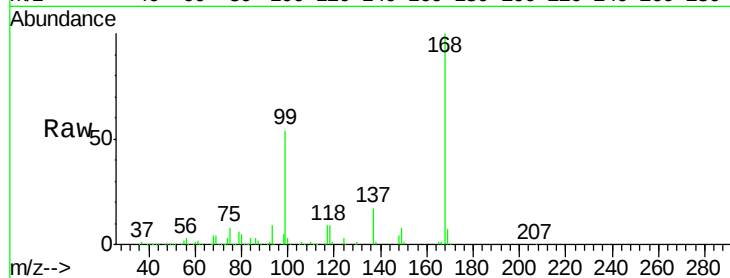
Tgt Ion: 75 Resp: 17936

Ion Ratio Lower Upper

75 100

110 3.0 18.6 56.0#

77 0.3 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.14 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW000964.D

Acq: 24 Jan 2018 22:45

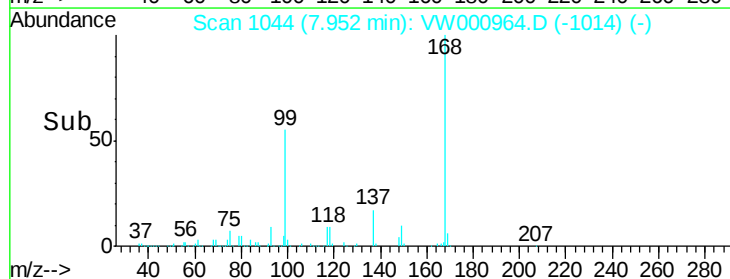
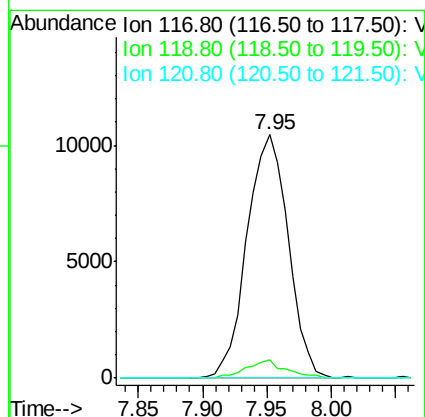
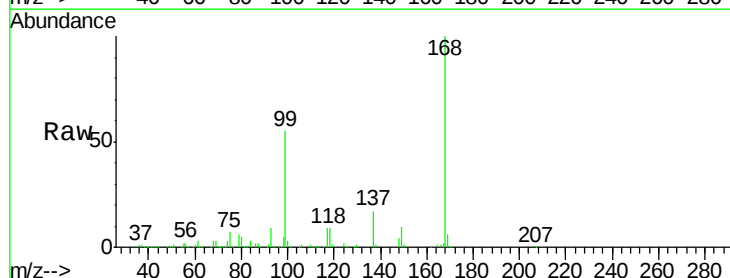
Tgt Ion: 117 Resp: 23214

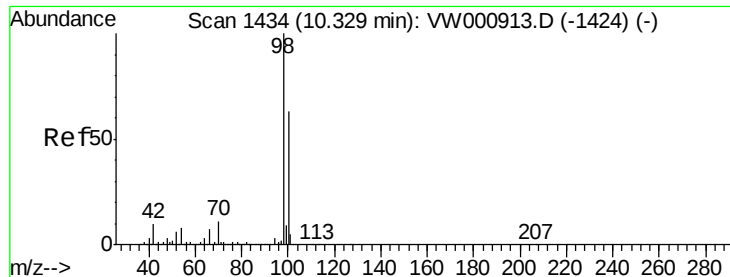
Ion Ratio Lower Upper

117 100

119 7.5 76.5 114.7#

121 0.0 24.3 36.5#





#50

Toluene-d8

Concen: 49.40 ug/l

RT: 10.34 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW000964.D

Acq: 24 Jan 2018 22:45

Instrument :

MSVOA_W

ClientSampled :

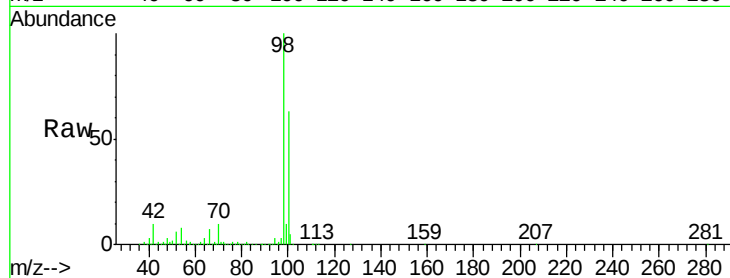
VW0124SBL02

Tgt Ion: 98 Resp: 428670

Ion Ratio Lower Upper

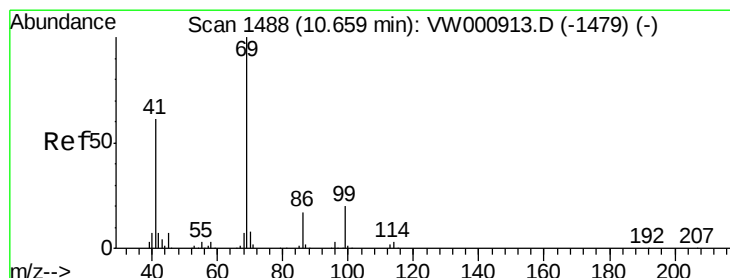
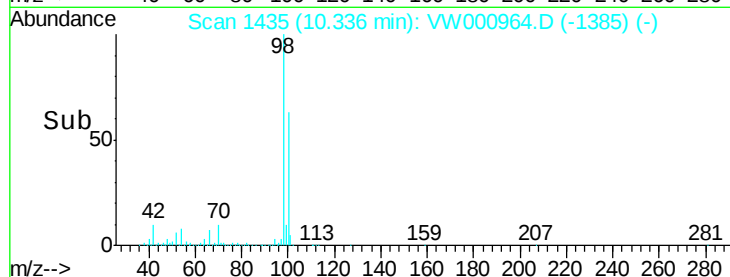
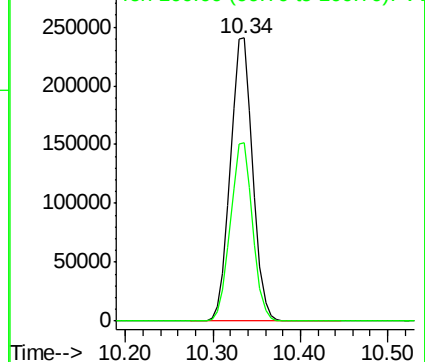
98 100

100 62.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#56

Ethyl methacrylate

Concen: 3.26 ug/l

RT: 10.68 min Scan# 1491

Delta R.T. 0.02 min

Lab File: VW000964.D

Acq: 24 Jan 2018 22:45

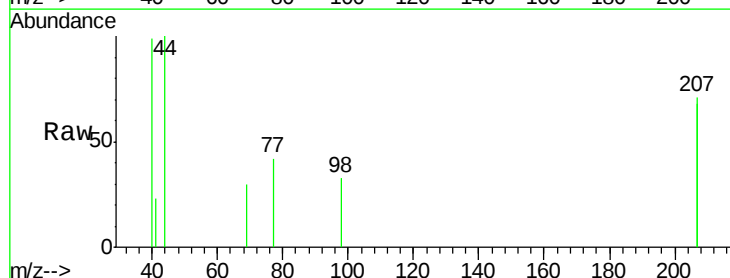
Tgt Ion: 69 Resp: 48

Ion Ratio Lower Upper

69 100

41 39.6 50.3 75.5#

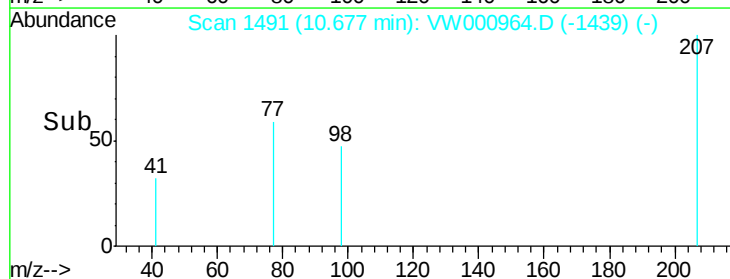
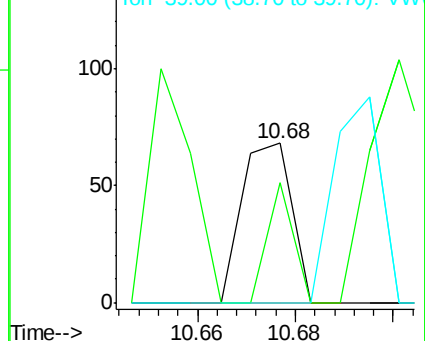
39 0.0 28.6 42.8#

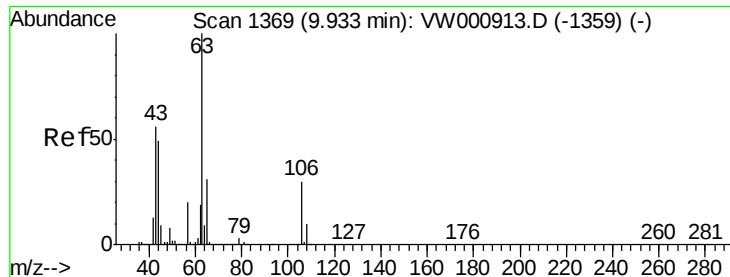


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

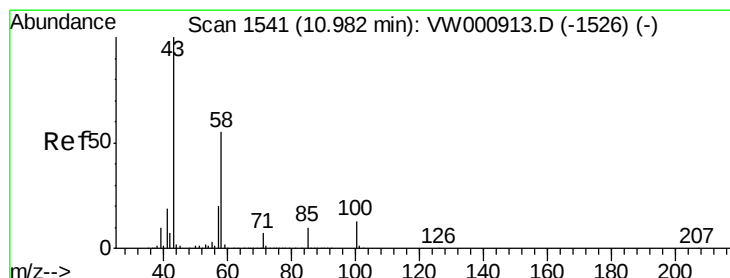
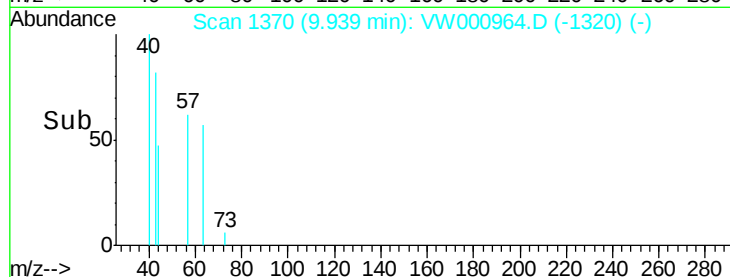
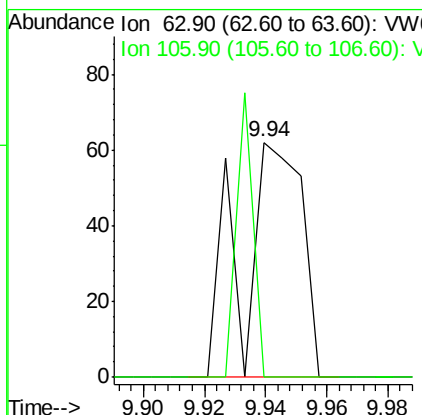
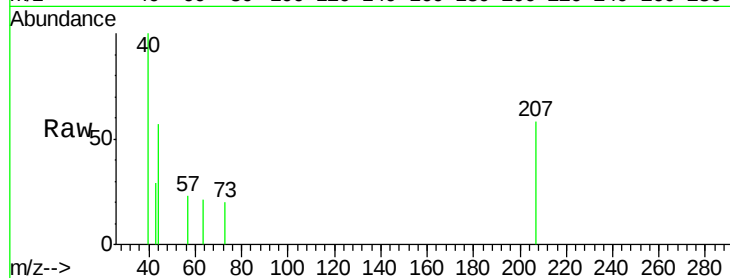




#58
 2-Chloroethyl Vinyl ether
 Concen: 25.90 ug/l
 RT: 9.94 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VW000964.D
 Acq: 24 Jan 2018 22:45

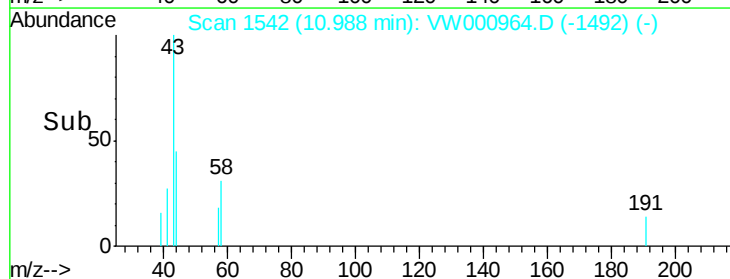
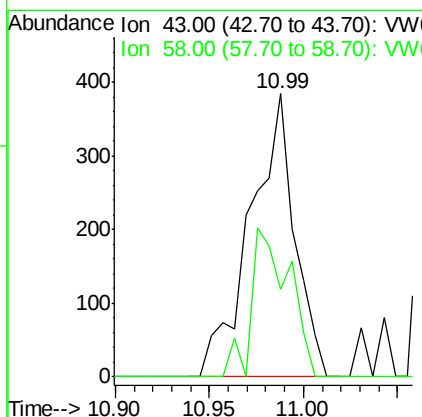
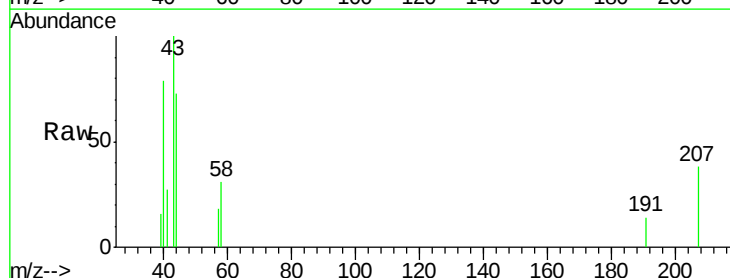
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBL02

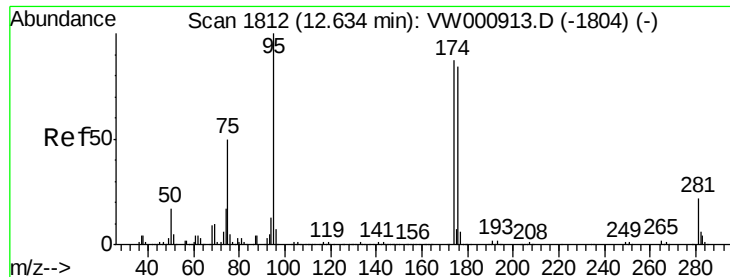
Tgt Ion: 63 Resp: 84
 Ion Ratio Lower Upper
 63 100
 106 32.1 23.8 35.8



#59
 2-Hexanone
 Concen: 15.03 ug/l
 RT: 10.99 min Scan# 1542
 Delta R.T. 0.01 min
 Lab File: VW000964.D
 Acq: 24 Jan 2018 22:45

Tgt Ion: 43 Resp: 624
 Ion Ratio Lower Upper
 43 100
 58 44.9 27.4 82.2





#62

4-Bromofluorobenzene

Concen: 46.30 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW000964.D

Acq: 24 Jan 2018 22:45

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBL02

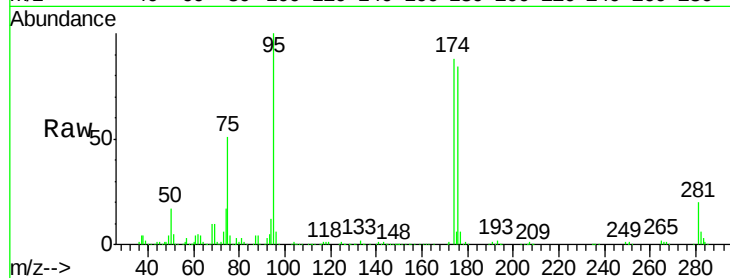
Tgt Ion: 95 Resp: 146327

Ion Ratio Lower Upper

95 100

174 88.3 0.0 176.8

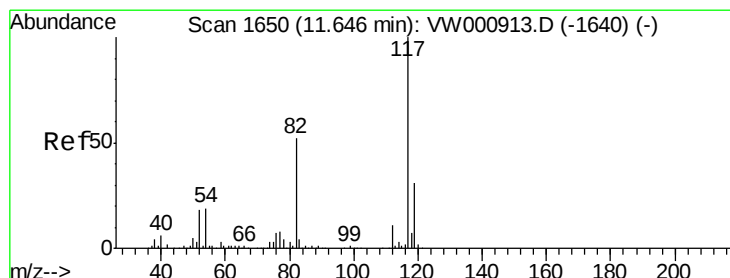
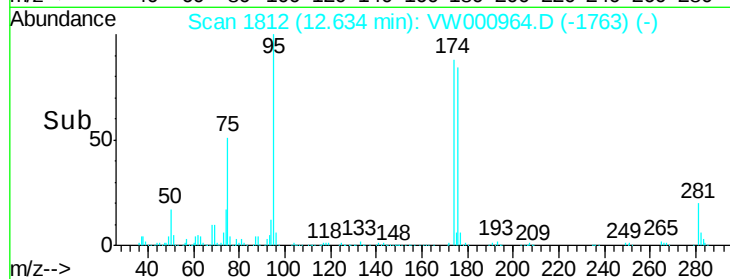
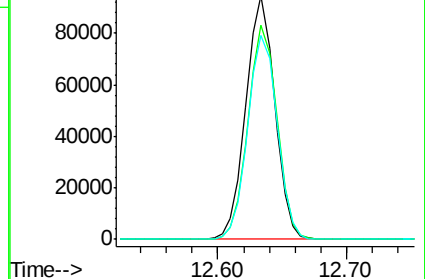
176 85.5 0.0 171.8



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: 50.00 ug/l

RT: 11.65 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VW000964.D

Acq: 24 Jan 2018 22:45

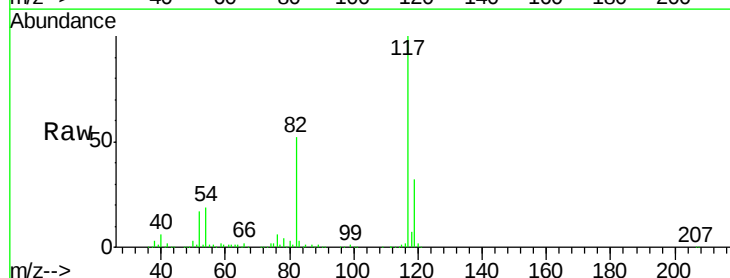
Tgt Ion: 117 Resp: 323692

Ion Ratio Lower Upper

117 100

82 52.1 41.8 62.6

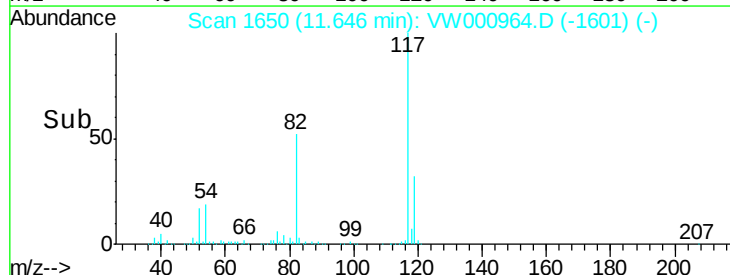
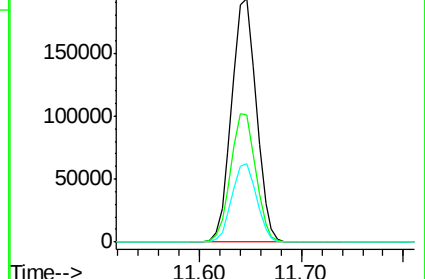
119 32.3 25.2 37.8

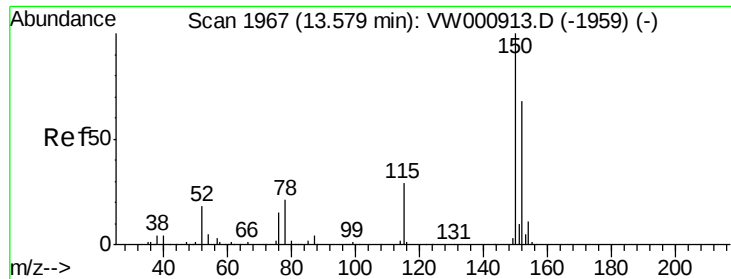


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.01 min

Lab File: VW000964.D

Acq: 24 Jan 2018 22:45

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBL02

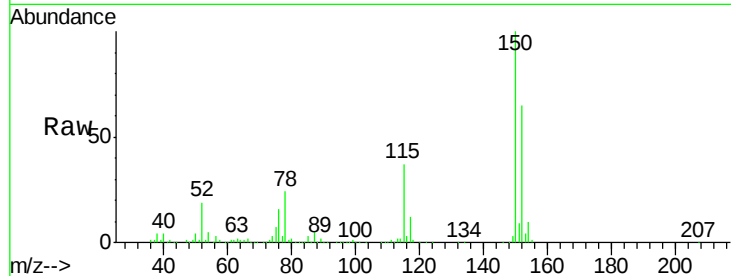
Tgt Ion:152 Resp: 164938

Ion Ratio Lower Upper

152 100

115 56.4 28.5 85.5

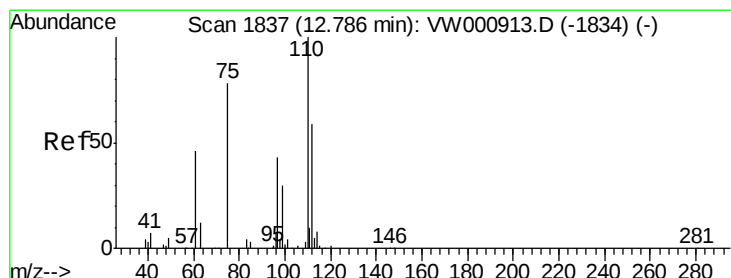
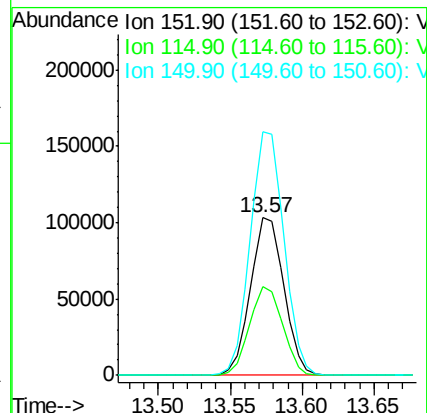
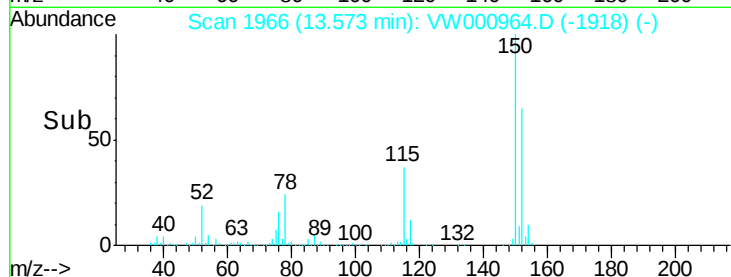
150 156.4 0.0 342.0



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: 38.27 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.15 min

Lab File: VW000964.D

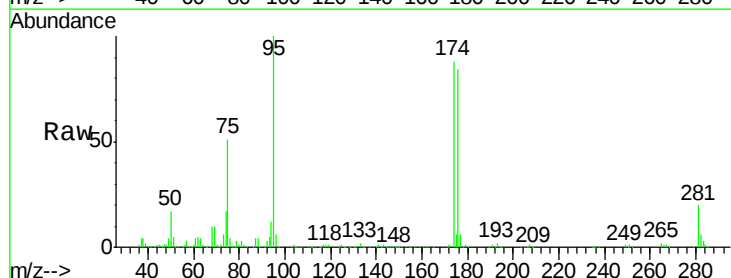
Acq: 24 Jan 2018 22:45

Tgt Ion: 75 Resp: 73033

Ion Ratio Lower Upper

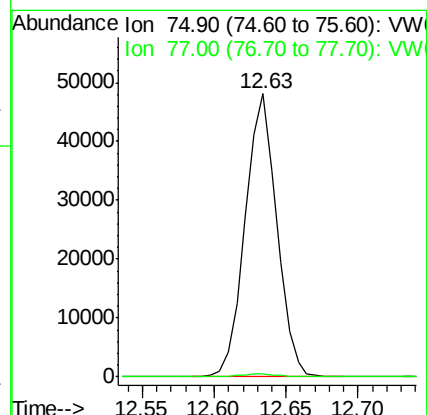
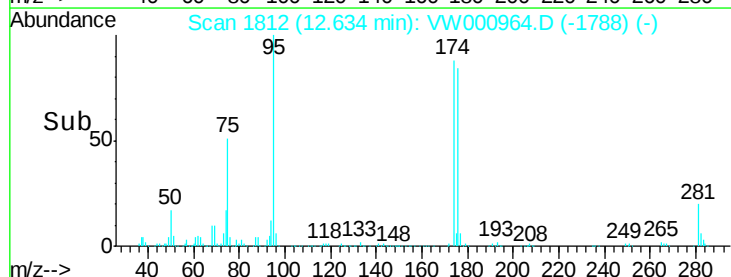
75 100

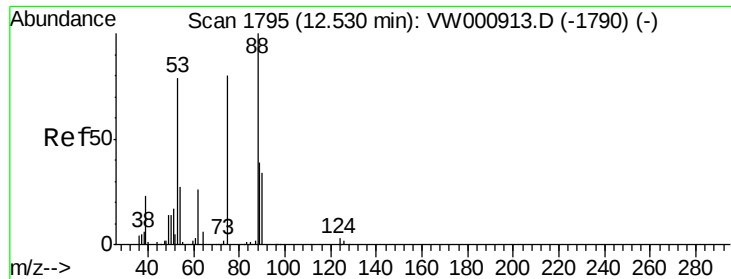
77 1.2 0.0 0.0#



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: 91.83 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.10 min

Lab File: VW000964.D

Acq: 24 Jan 2018 22:45

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBL02

Tgt Ion: 75 Resp: 73033

Ion Ratio Lower Upper

75 100

53 0.2 77.5 116.3#

89 0.3 38.2 57.4#

