

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102819\
 Data File : VW013766.D
 Acq On : 28 Oct 2019 15:05
 Operator : SY/VA
 Sample : K5541-18RE
 Misc : 6.15G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 18-48-(2.5)RE

Quant Time: Oct 29 11:46:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

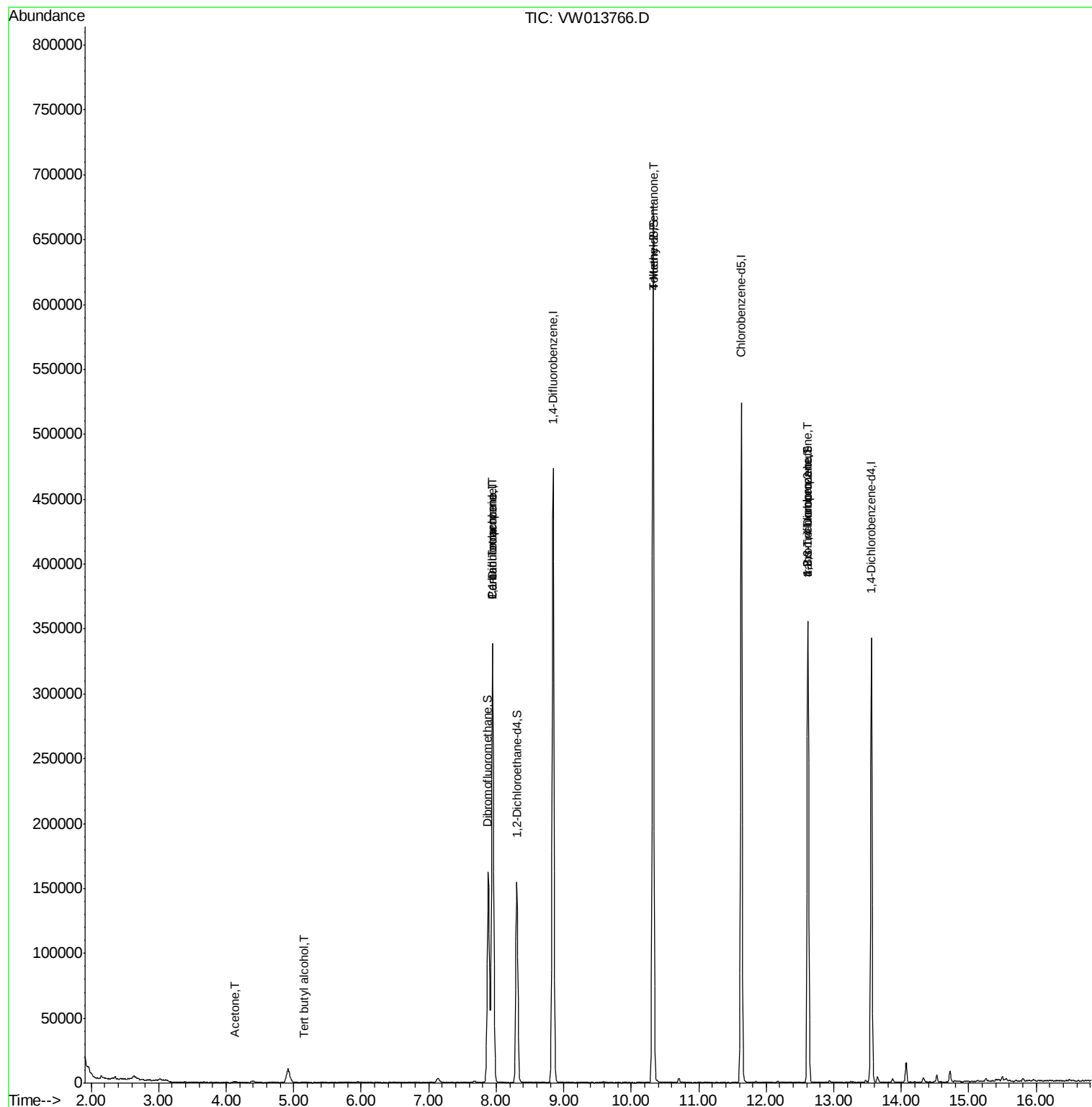
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	280596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	417393	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	313641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	102056	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	116883	55.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.06%	
35) Dibromofluoromethane	7.88	113	123426	53.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.44%	
50) Toluene-d8	10.32	98	461503	48.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.62	95	116549	36.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.84%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.15	59	321	2.555	ug/l #	71
16) Acetone	4.13	43	1852	4.150	ug/l	95
20) Methylene Chloride	4.92	84	9533	Below Cal		88
36) 1,1-Dichloropropene	7.95	75	17263	4.441	ug/l #	49
38) Carbon Tetrachloride	7.95	117	23376	6.678	ug/l #	14
51) 4-Methyl-2-Pentanone	10.32	43	1788	1.263	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	56553	77.163	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56553	145.827	ug/l #	14

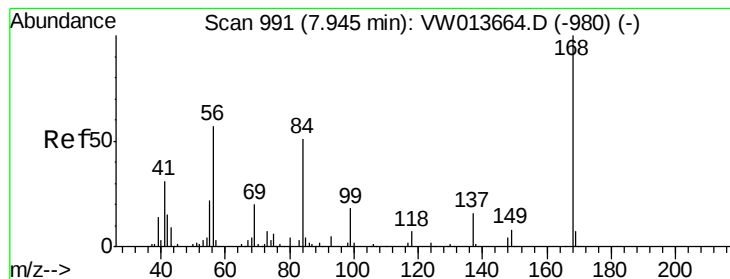
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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18-48-(2.5)RE

Quant Time: Oct 29 11:46:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013766.D

Acq: 28 Oct 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

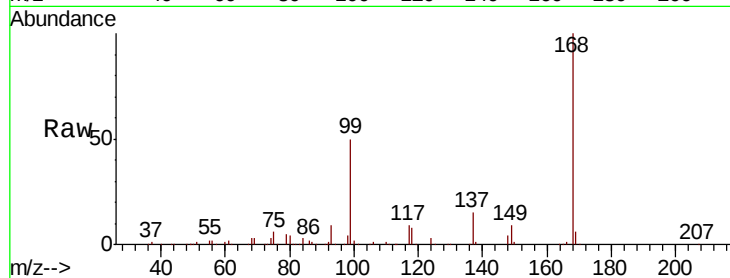
18-48-(2.5)RE

Tot Ion:168 Resp: 280596

Ion Ratio Lower Upper

168 100

99 50.3 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

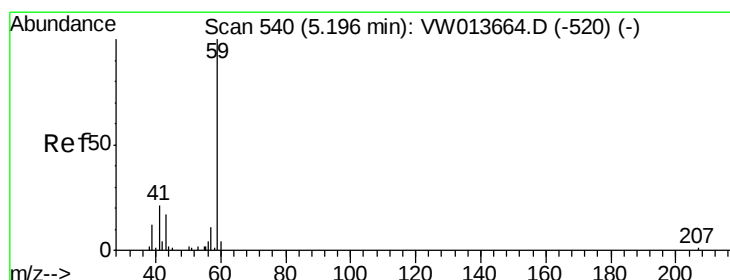
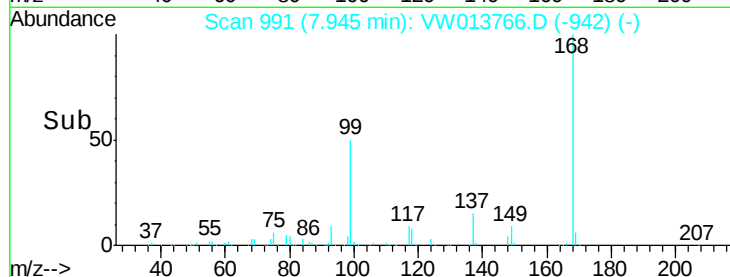
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.555 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.04 min

Lab File: VW013766.D

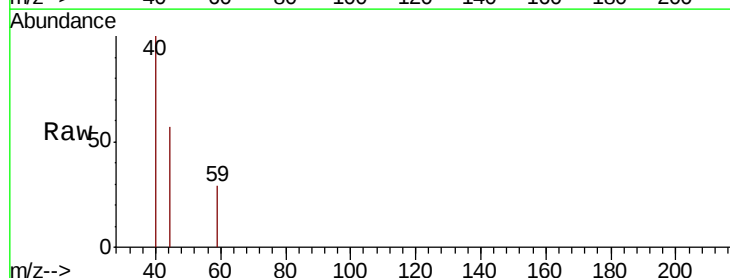
Acq: 28 Oct 2019 15:05

Tgt Ion: 59 Resp: 321

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

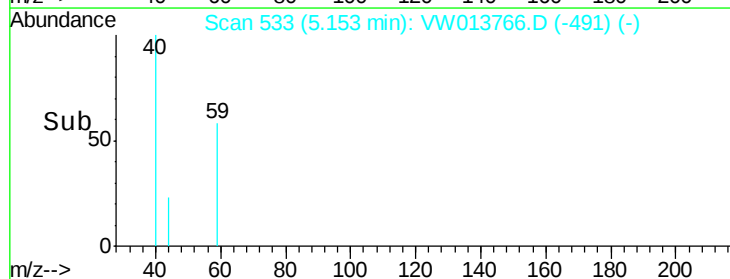
150

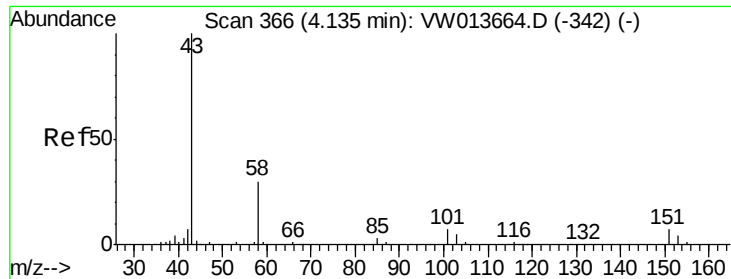
100

50

0

Time-->





#16

Acetone

Concen: 4.150 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW013766.D

Acq: 28 Oct 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

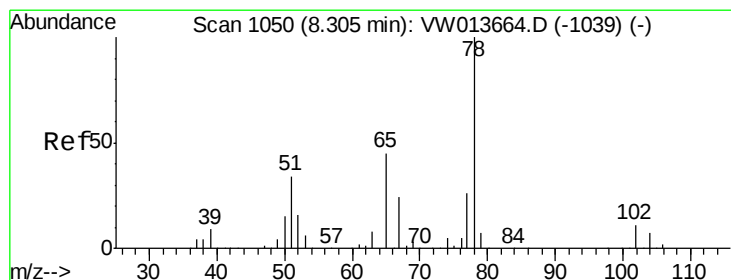
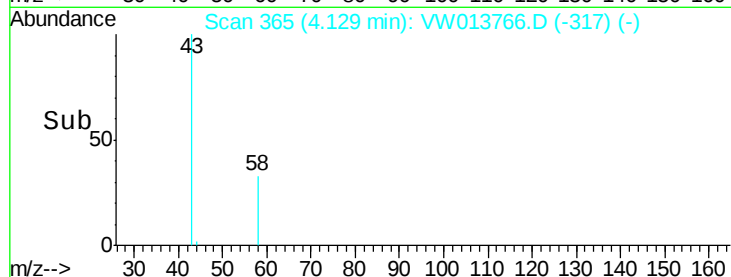
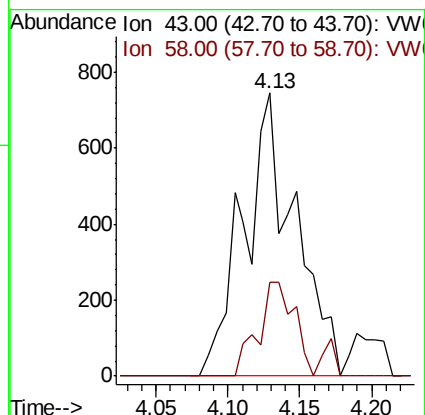
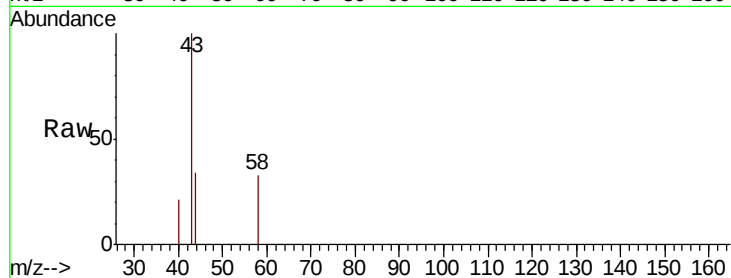
18-48-(2.5)RE

Tot Ion: 43 Resp: 1852

Ion Ratio Lower Upper

43 100

58 33.0 24.1 36.1



#33

1,2-Dichloroethane-d4

Concen: 55.528 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013766.D

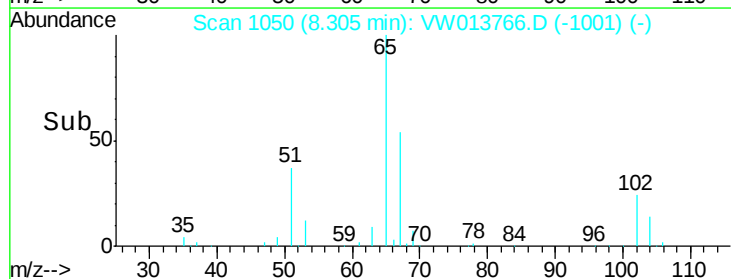
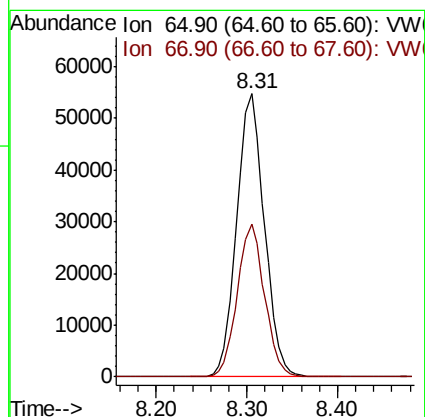
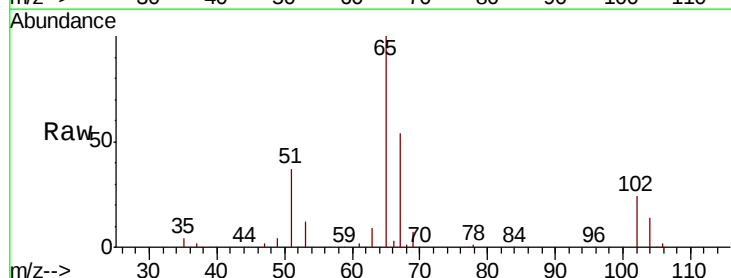
Acq: 28 Oct 2019 15:05

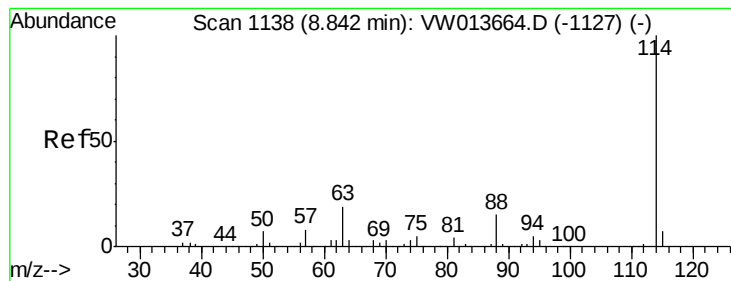
Tgt Ion: 65 Resp: 116883

Ion Ratio Lower Upper

65 100

67 53.2 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013766.D

Acq: 28 Oct 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

18-48-(2.5)RE

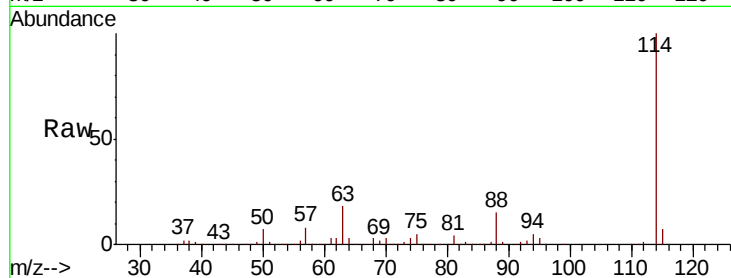
Tot Ion:114 Resp: 417393

Ion Ratio Lower Upper

114 100

63 17.6 0.0 37.6

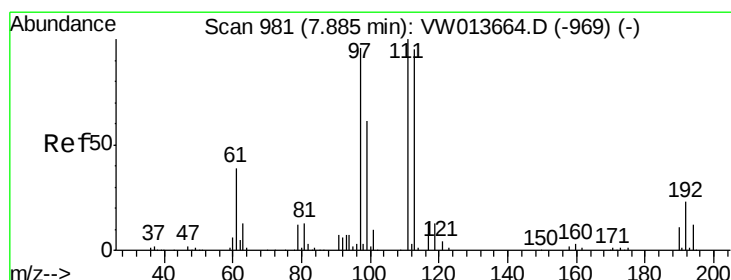
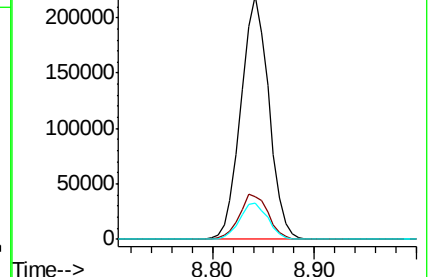
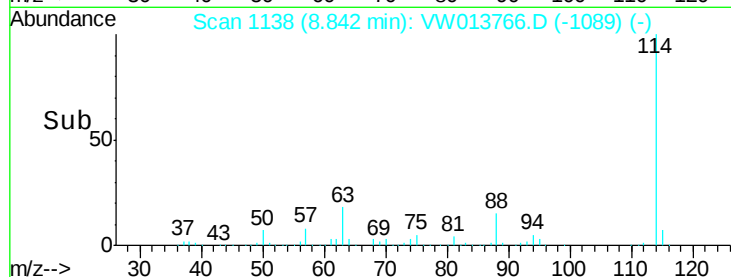
88 15.1 0.0 30.2



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



#35

Dibromofluoromethane

Concen: 53.218 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013766.D

Acq: 28 Oct 2019 15:05

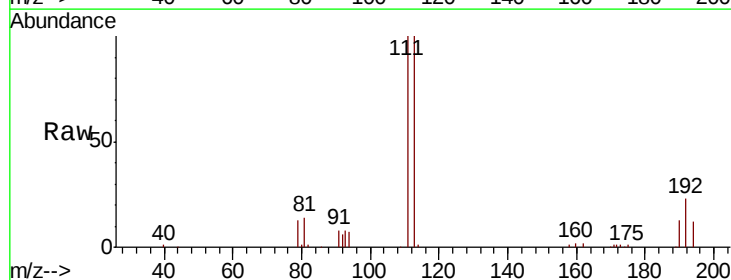
Tgt Ion:113 Resp: 123426

Ion Ratio Lower Upper

113 100

111 101.3 83.0 124.6

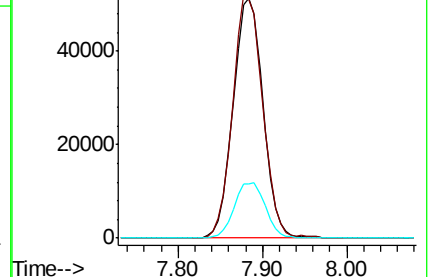
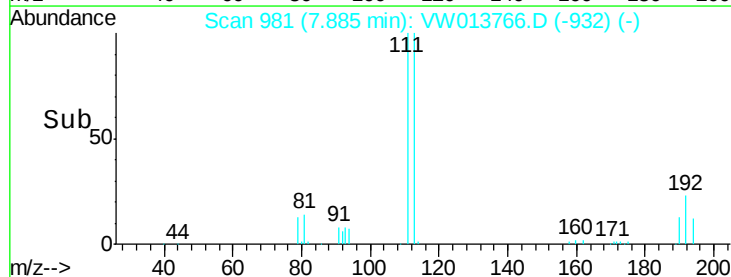
192 23.9 19.4 29.2

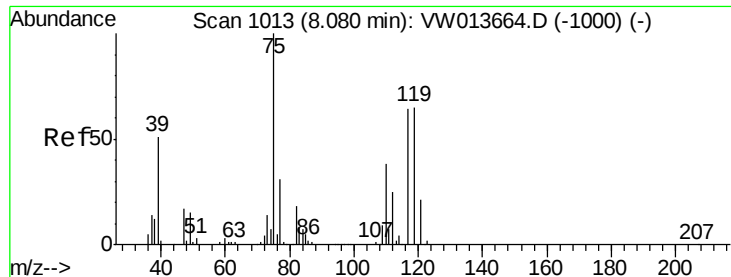


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

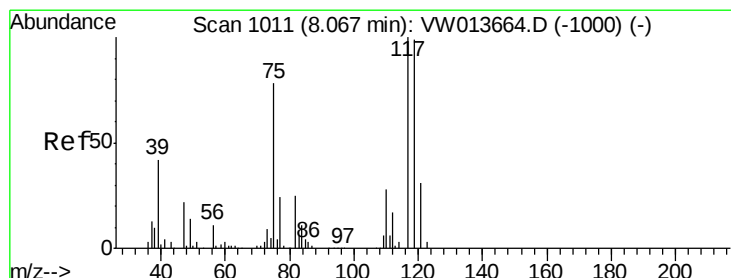
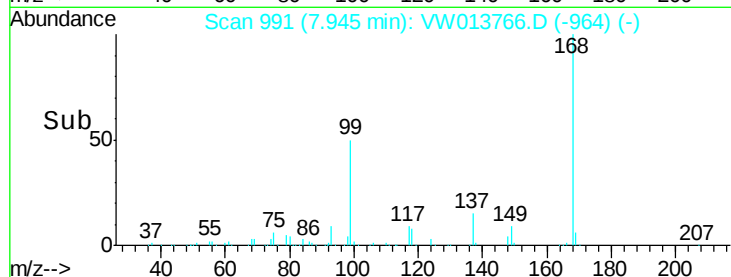
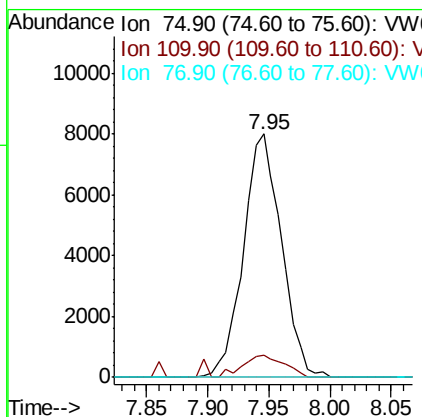
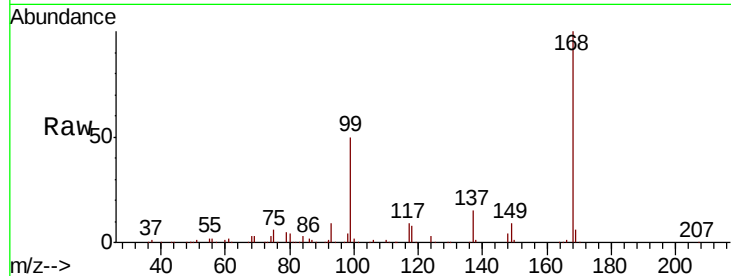




#36
 1,1-Dichloropropene
 Concen: 4.441 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013766.D
 Acq: 28 Oct 2019 15:05

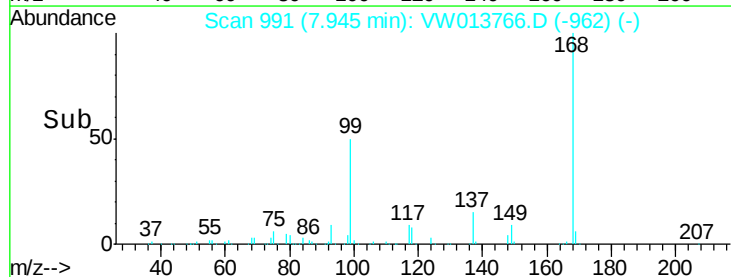
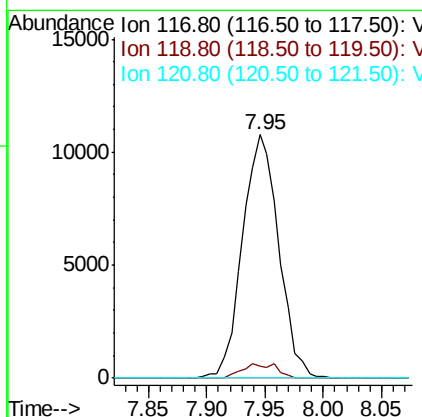
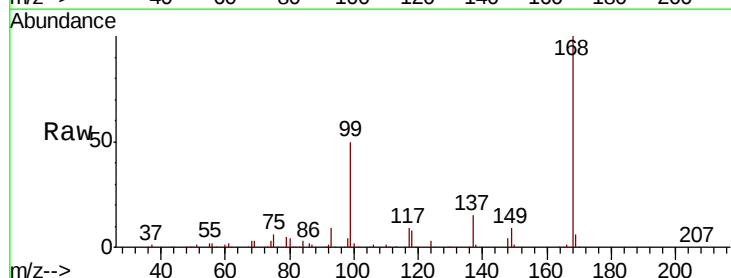
Instrument :
 MSVOA_W
 ClientSampleId :
 18-48-(2.5)RE

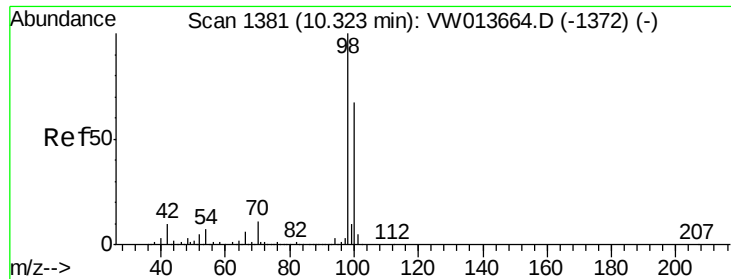
Tot Ion	75	Resp	17263
Ion Ratio	Lower	Upper	
75	100		
110	10.1	18.7	56.1#
77	0.0	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.678 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013766.D
 Acq: 28 Oct 2019 15:05

Tgt Ion	117	Resp	23376
Ion Ratio	Lower	Upper	
117	100		
119	4.7	79.0	118.4#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: 48.834 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013766.D

Acq: 28 Oct 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

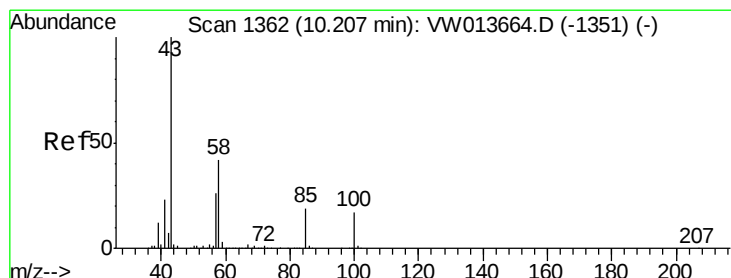
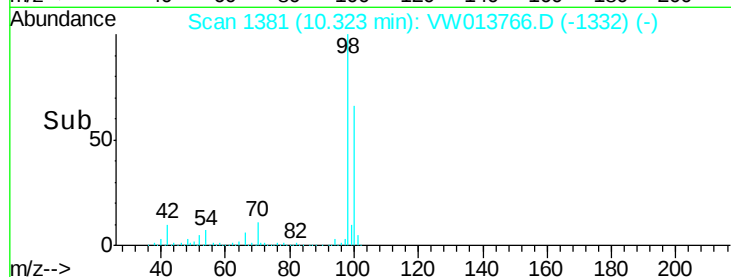
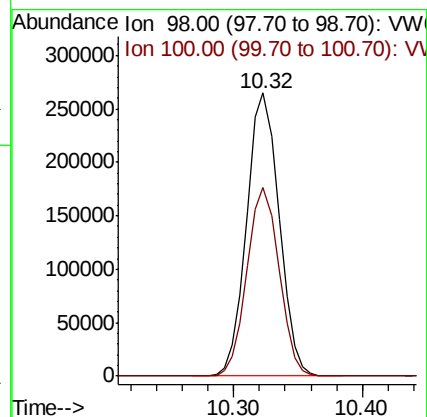
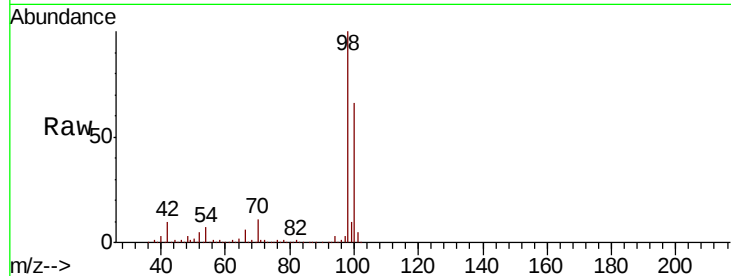
18-48-(2.5)RE

Tot Ion: 98 Resp: 461503

Ion Ratio Lower Upper

98 100

100 66.2 53.4 80.0



#51

4-Methyl-2-Pentanone

Concen: 1.263 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013766.D

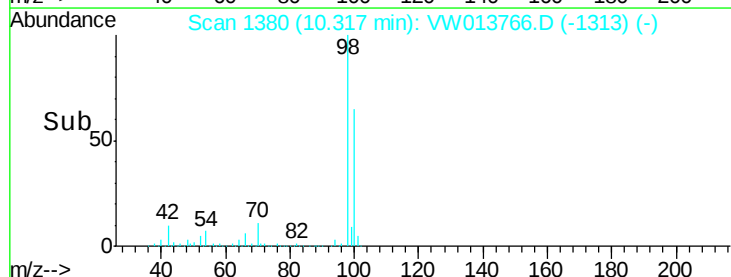
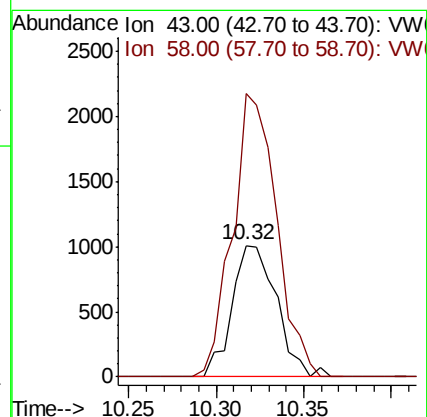
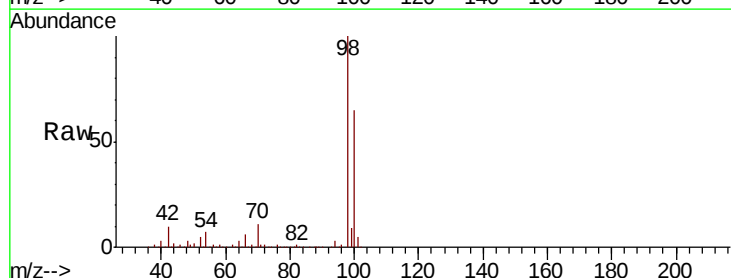
Acq: 28 Oct 2019 15:05

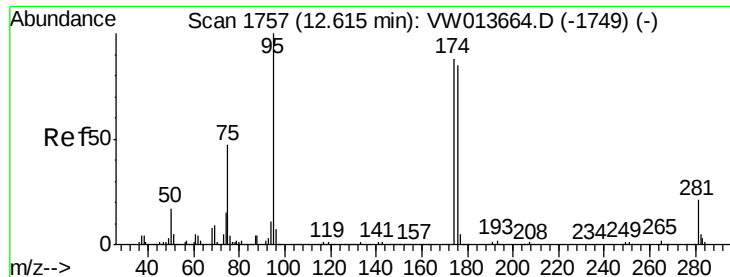
Tgt Ion: 43 Resp: 1788

Ion Ratio Lower Upper

43 100

58 213.1 32.6 49.0#





#62

4-Bromofluorobenzene

Concen: 36.422 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013766.D

Acq: 28 Oct 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

18-48-(2.5)RE

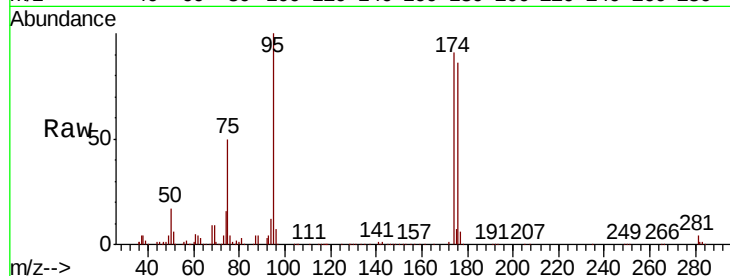
Tot Ion: 95 Resp: 116549

Ion Ratio Lower Upper

95 100

174 93.5 0.0 183.6

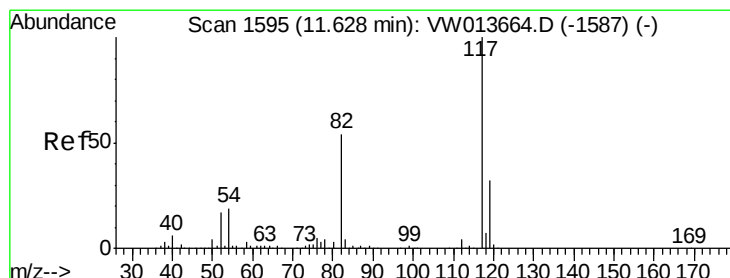
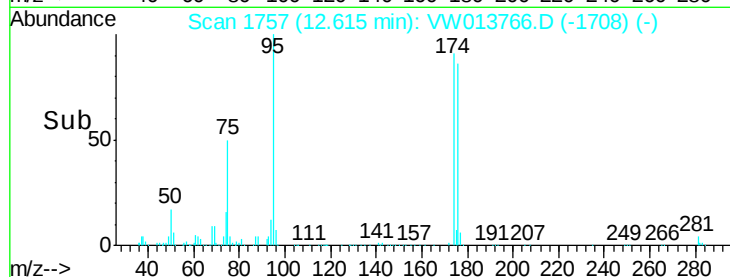
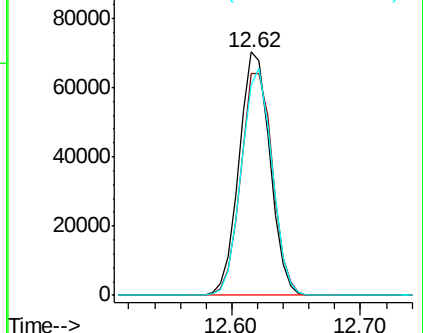
176 92.0 0.0 178.0



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# 1596

Delta R.T. 0.01 min

Lab File: VW013766.D

Acq: 28 Oct 2019 15:05

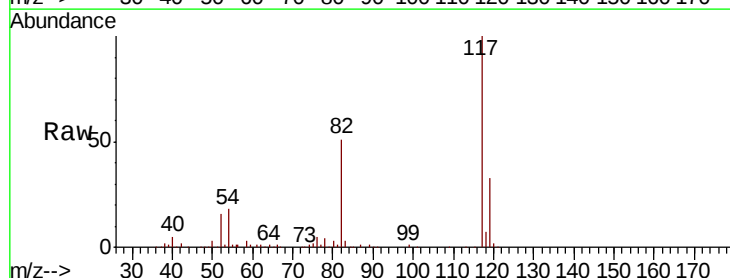
Tgt Ion: 117 Resp: 313641

Ion Ratio Lower Upper

117 100

82 51.2 43.6 65.4

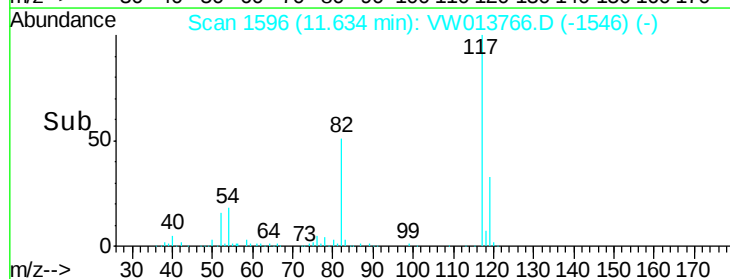
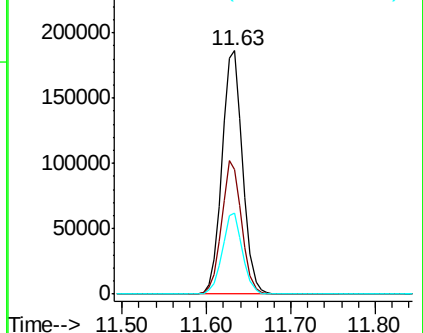
119 33.1 25.4 38.2

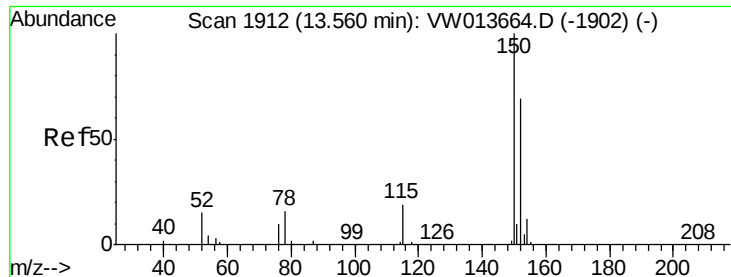


Abundance Ion 116.90 (116.60 to 117.60): VW

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. 0.00 min

Lab File: VW013766.D

Acq: 28 Oct 2019 15:05

Instrument :

MSVOA_W

ClientSampled :

18-48-(2.5)RE

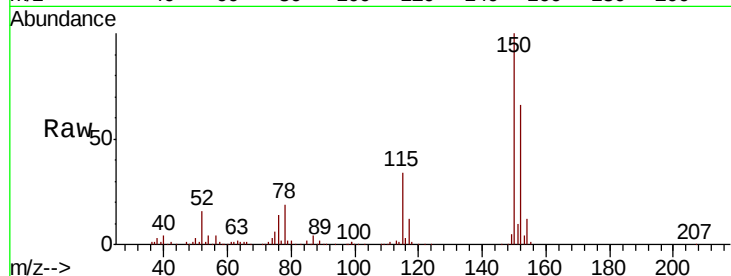
Tot Ion:152 Resp: 102056

Ion Ratio Lower Upper

152 100

115 53.9 27.4 82.2

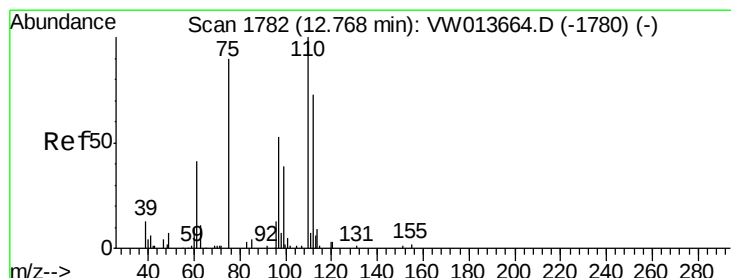
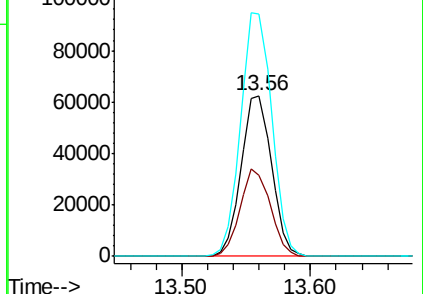
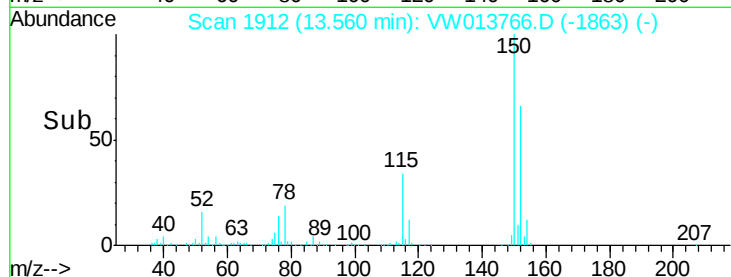
150 155.0 0.0 345.4



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: 77.163 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013766.D

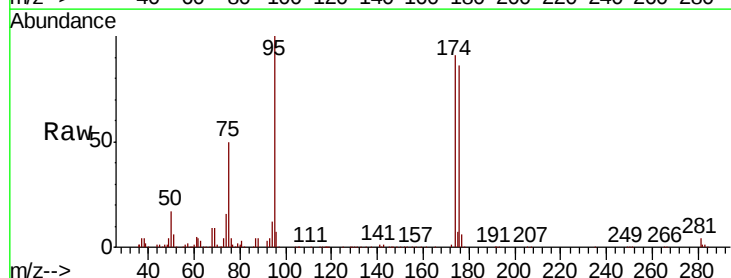
Acq: 28 Oct 2019 15:05

Tgt Ion: 75 Resp: 56553

Ion Ratio Lower Upper

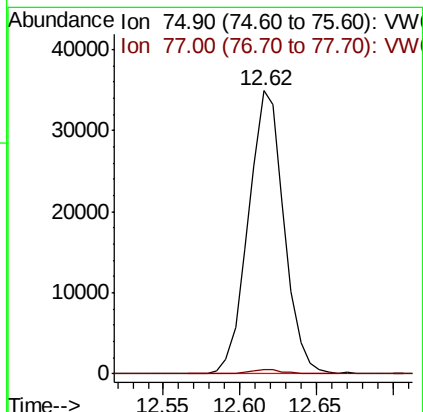
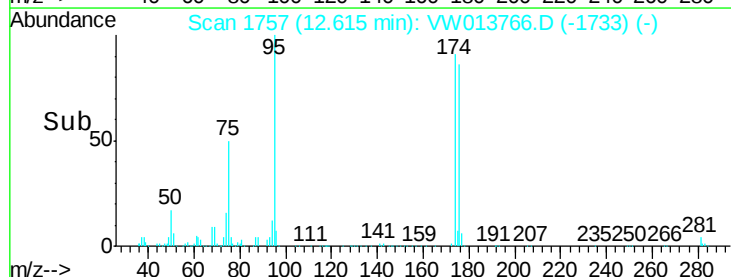
75 100

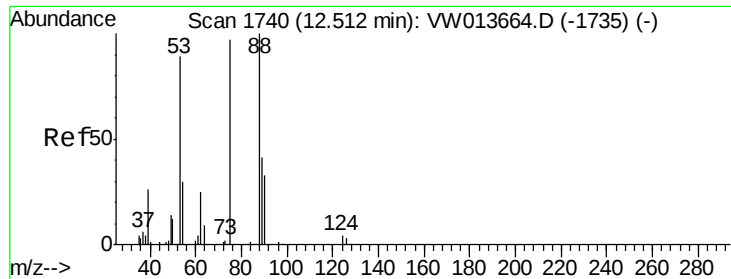
77 1.5 0.0 0.0#



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: 145.827 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013766.D

Acq: 28 Oct 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

18-48-(2.5)RE

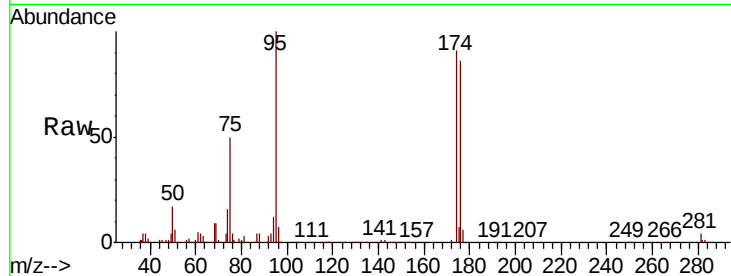
Tot Ion: 75 Resp: 56553

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 0.0 35.8 53.8#



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

