

Data File : VW013990.D
Acq On : 12 Nov 2019 21:42
Operator : SY/VA
Sample : K5789-10
Misc : 6.45G/5.0ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-16B-D2

Quant Time: Nov 13 06:46:19 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	281295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	446202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	370897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164474	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	123281	58.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.84%	
35) Dibromofluoromethane	7.88	113	128594	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
50) Toluene-d8	10.32	98	511402	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.62	95	158236	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	

Target Compounds

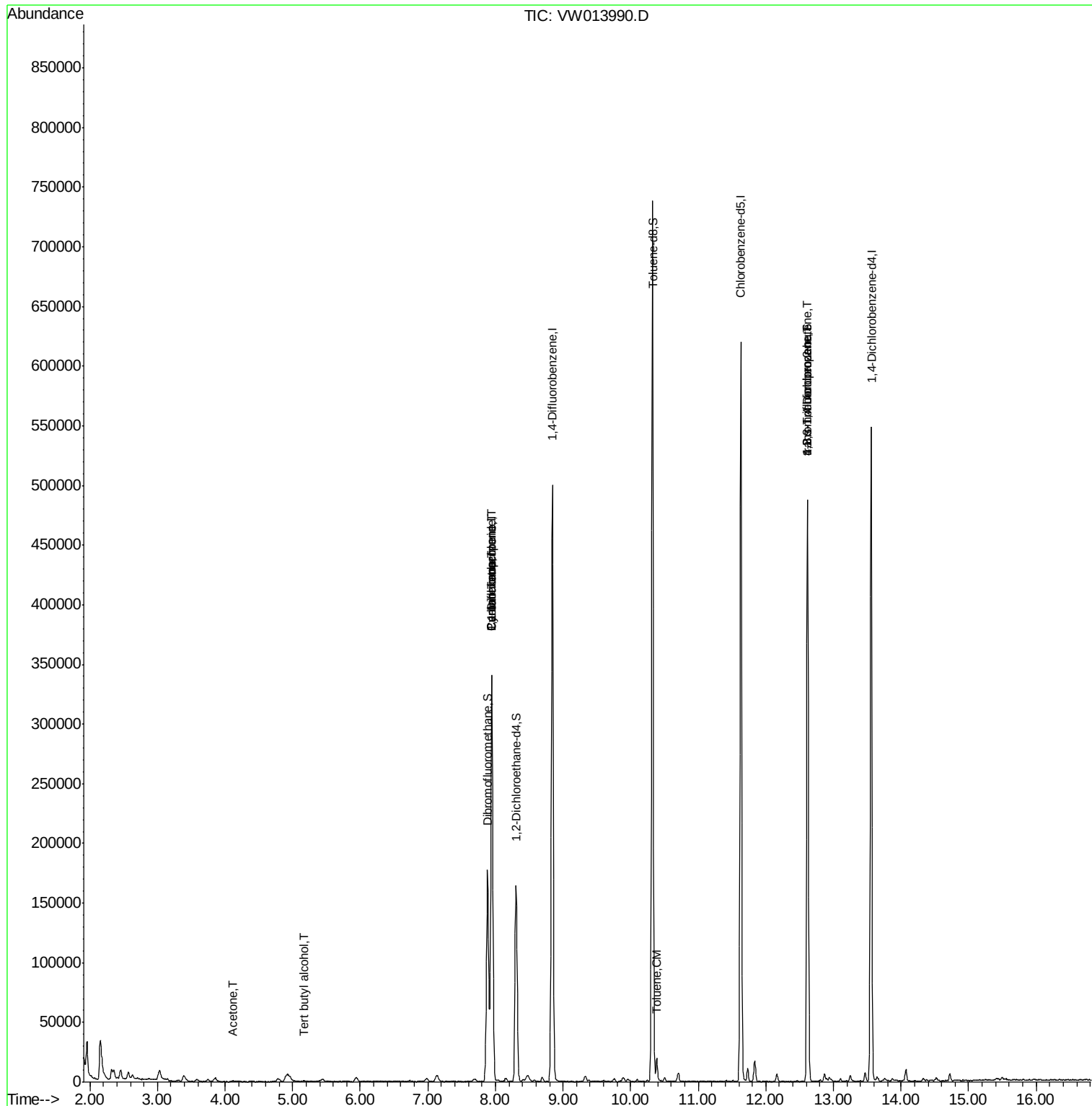
						Qvalue
11) Tert butyl alcohol	5.17	59	1782	14.146	ug/l #	71
16) Acetone	4.12	43	1025	2.291	ug/l	94
20) Methylene Chloride	4.91	84	4892	Below Cal	#	88
31) Cyclohexane	7.95	56	5855	1.248	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	17856	4.297	ug/l #	47
38) Carbon Tetrachloride	7.95	117	23913	6.390	ug/l #	16
52) Toluene	10.39	92	8492	1.119	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	73681	62.381	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73681	117.891	ug/l #	14

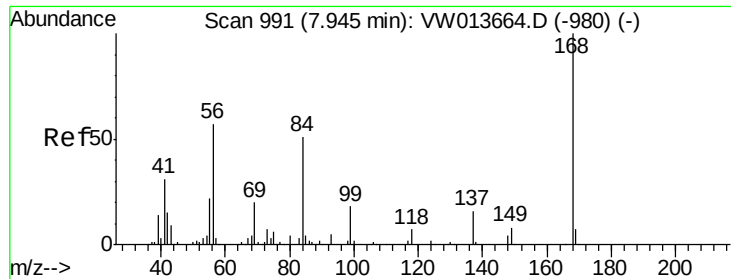
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013990.D

Acq: 12 Nov 2019 21:42

Instrument :

MSVOA_W

ClientSampleId :

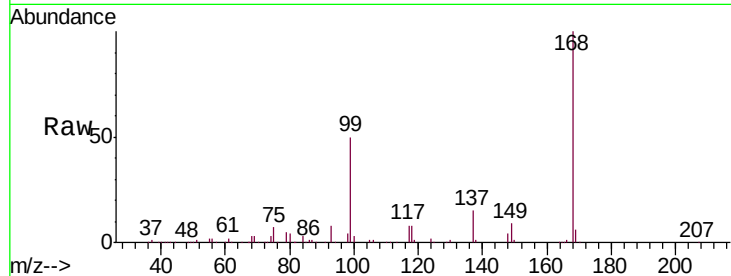
TP-16B-D2

Tgt Ion:168 Resp: 281295

Ion Ratio Lower Upper

168 100

99 49.9 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

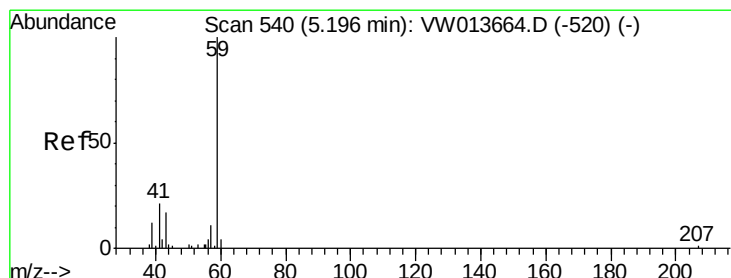
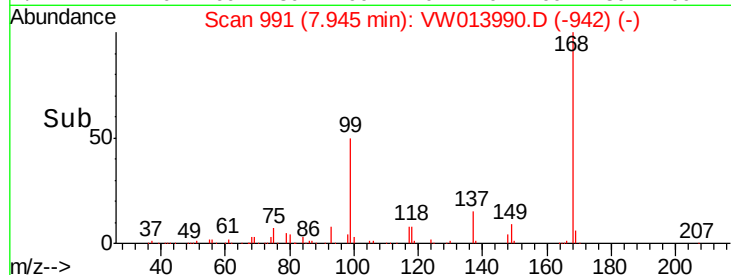
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 14.146 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.02 min

Lab File: VW013990.D

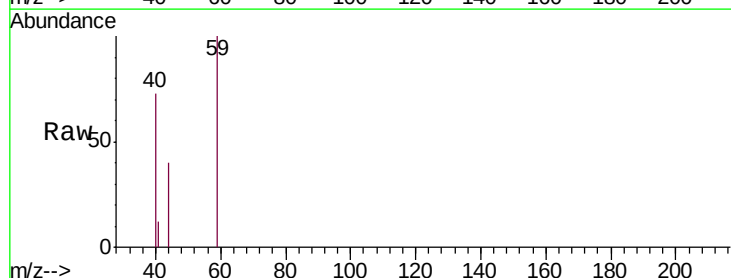
Acq: 12 Nov 2019 21:42

Tgt Ion: 59 Resp: 1782

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

5.17

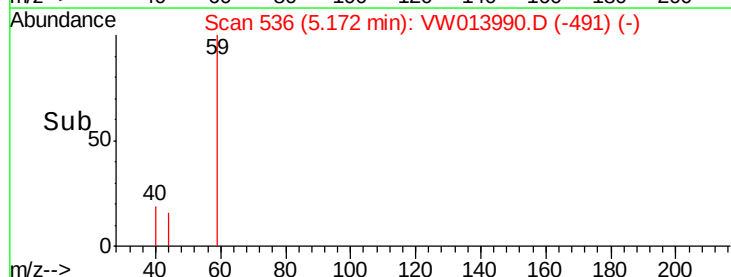
600

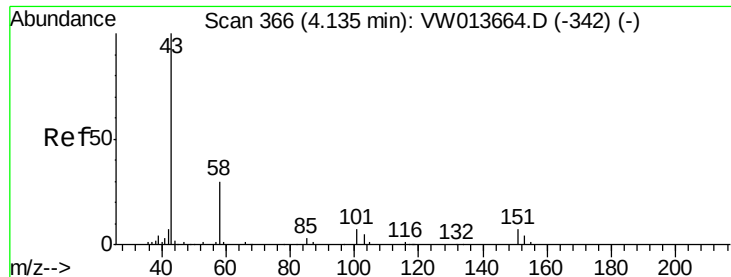
400

200

0

Time-->





#16

Acetone

Concen: 2.291 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW013990.D

Acq: 12 Nov 2019 21:42

Instrument :

MSVOA_W

ClientSampleId :

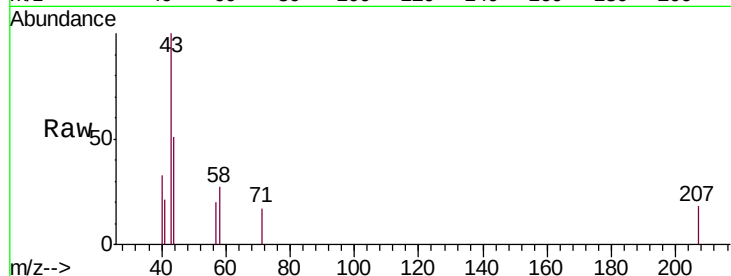
TP-16B-D2

Tgt Ion: 43 Resp: 1025

Ion Ratio Lower Upper

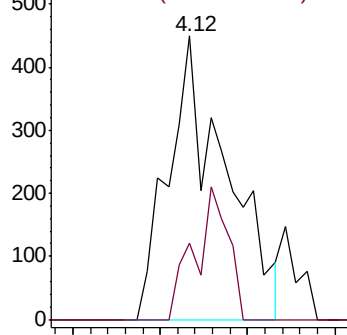
43 100

58 26.7 24.1 36.1

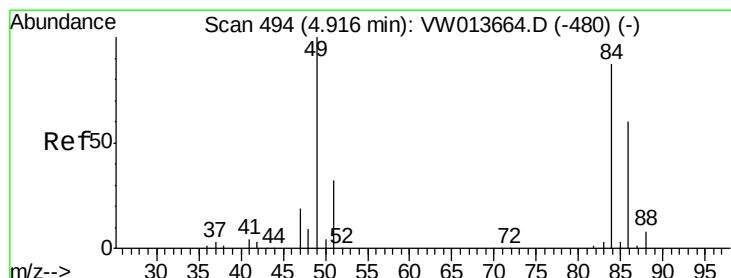
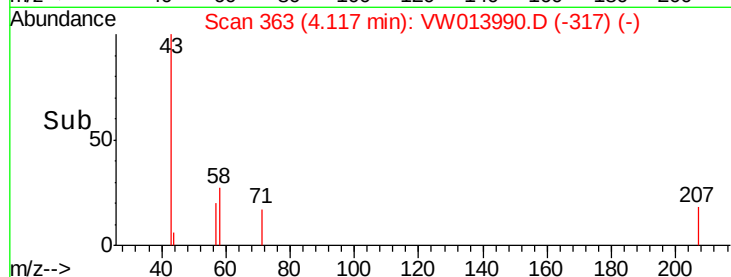


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013990.D

Acq: 12 Nov 2019 21:42

Tgt Ion: 84 Resp: 4892

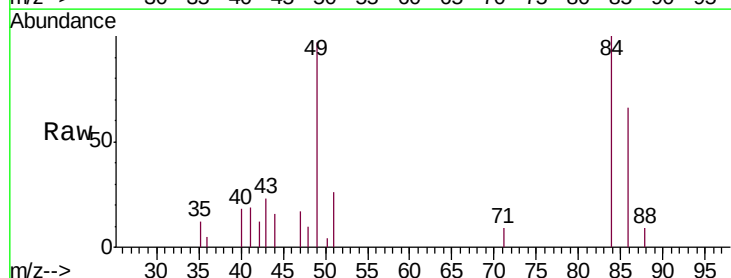
Ion Ratio Lower Upper

84 100

49 97.3 91.8 137.6

51 26.4 29.8 44.6#

86 66.5 55.2 82.8

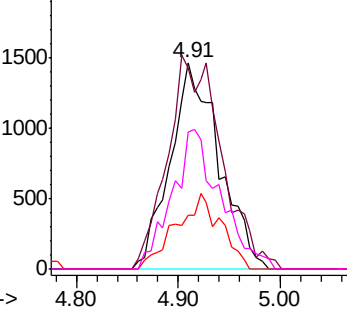


Abundance Ion 83.90 (83.60 to 84.60): VW

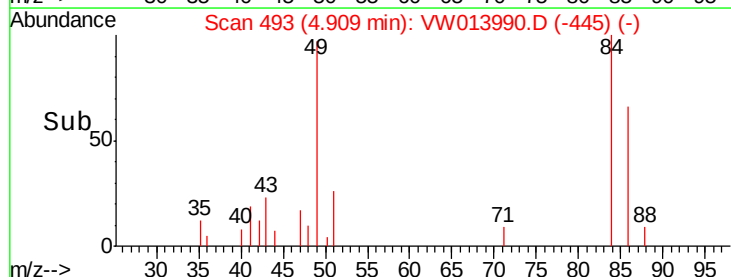
Ion 48.90 (48.60 to 49.60): VW

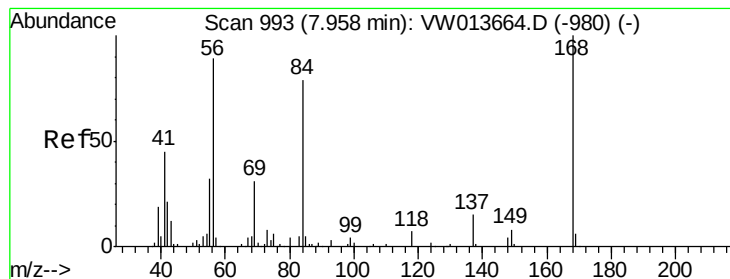
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



Time-->





#31

Cyclohexane

Concen: 1.248 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013990.D

Acq: 12 Nov 2019 21:42

Instrument :

MSVOA_W

ClientSampled :

TP-16B-D2

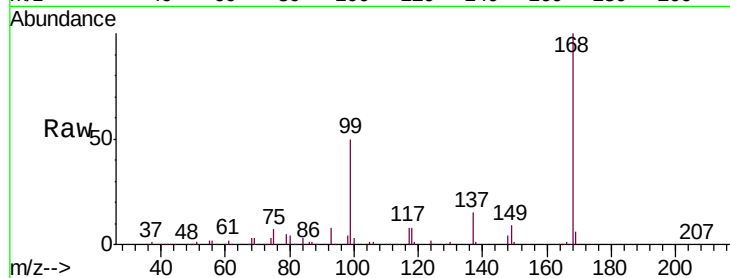
Tgt Ion: 56 Resp: 5855

Ion Ratio Lower Upper

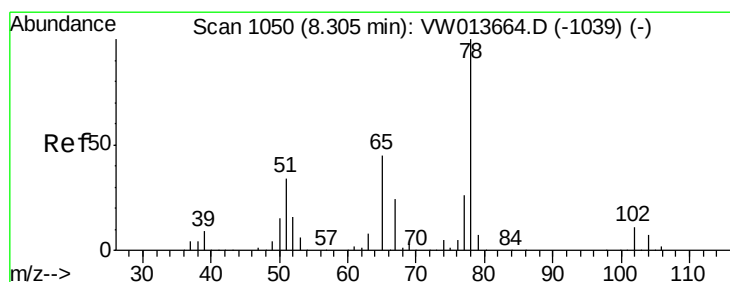
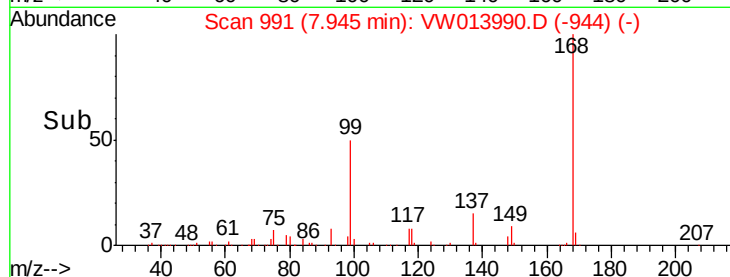
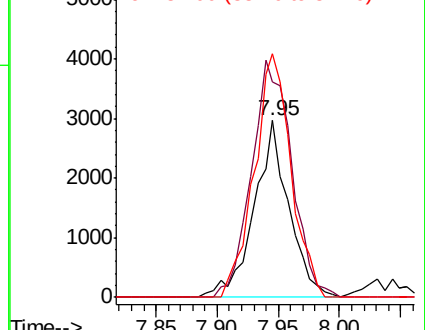
56 100

69 122.1 27.5 41.3#

84 137.7 70.8 106.2#



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: 58.422 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013990.D

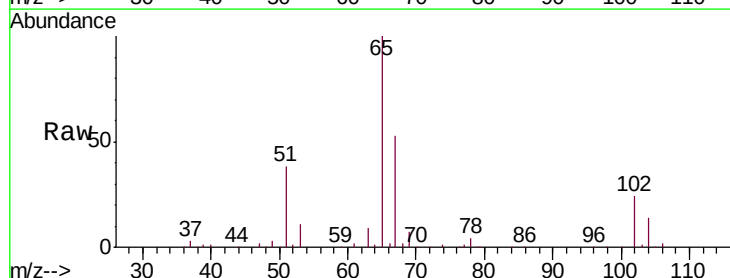
Acq: 12 Nov 2019 21:42

Tgt Ion: 65 Resp: 123281

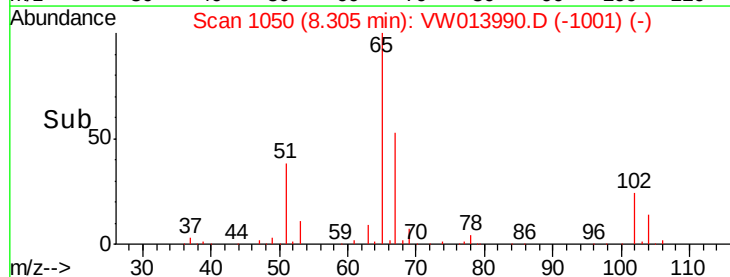
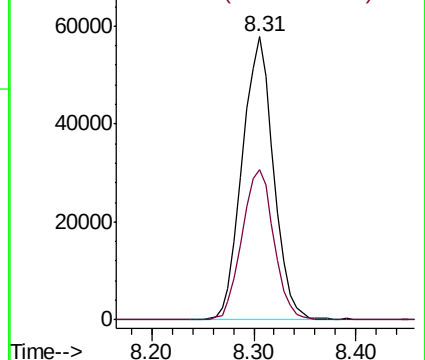
Ion Ratio Lower Upper

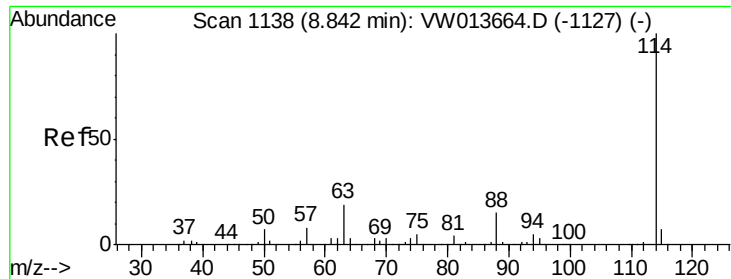
65 100

67 54.2 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

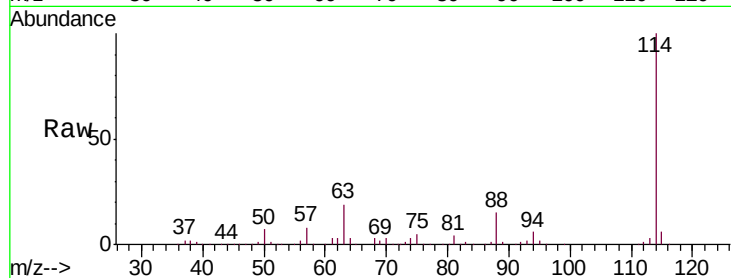




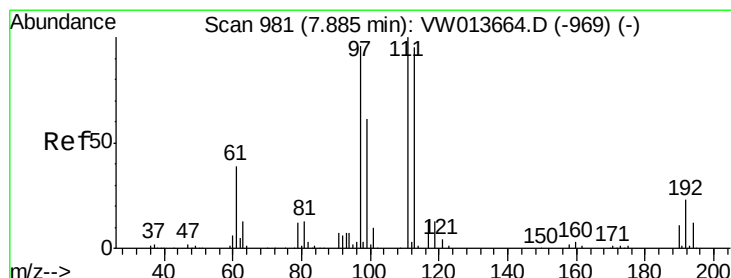
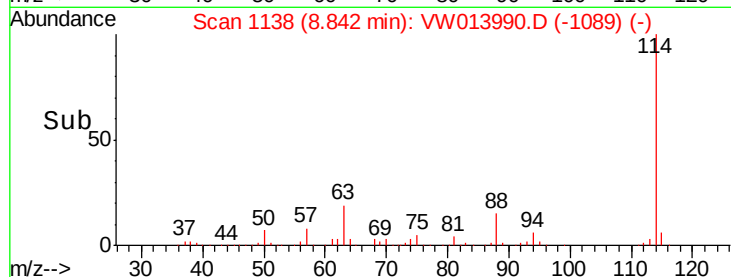
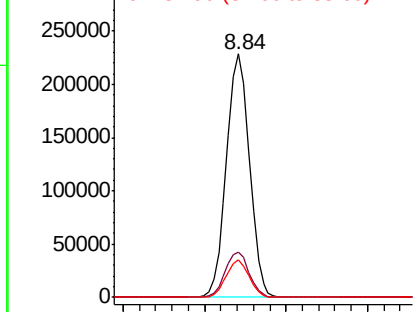
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW013990.D
Acq: 12 Nov 2019 21:42

Instrument :
MSVOA_W
ClientSampleId :
TP-16B-D2

Tgt Ion:114 Resp: 446202
Ion Ratio Lower Upper
114 100
63 18.7 0.0 37.6
88 15.3 0.0 30.2

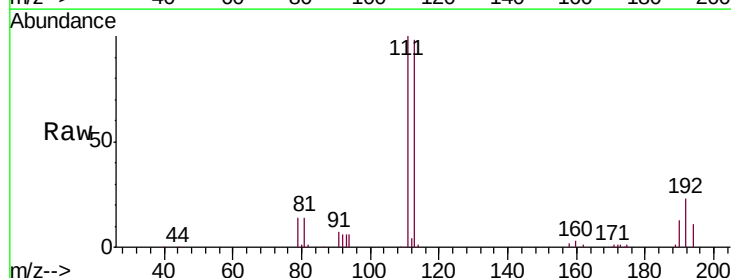


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

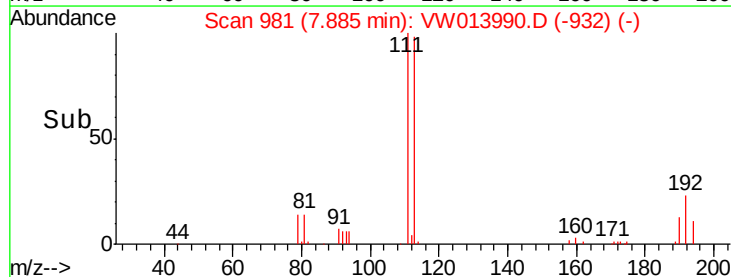
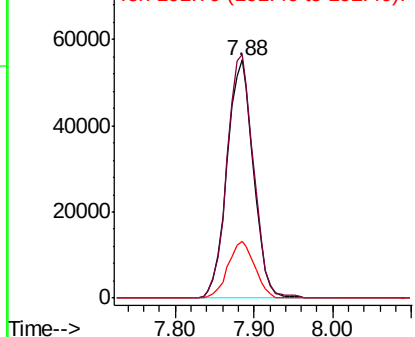


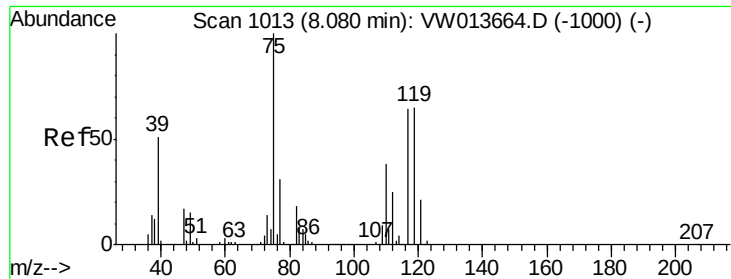
#35
Dibromofluoromethane
Concen: 51.866 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW013990.D
Acq: 12 Nov 2019 21:42

Tgt Ion:113 Resp: 128594
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.6
192 24.3 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: 4.297 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013990.D

Acq: 12 Nov 2019 21:42

Instrument :

MSVOA_W

ClientSampled :

TP-16B-D2

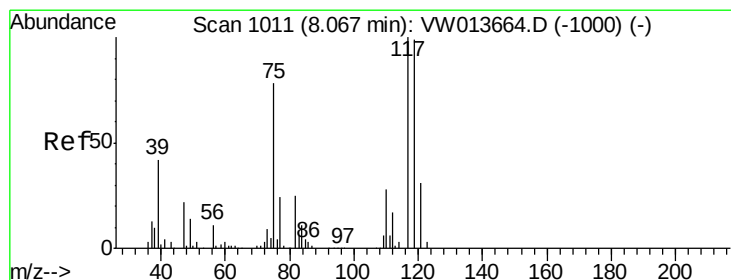
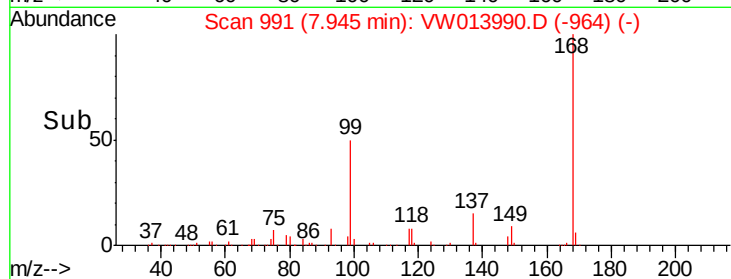
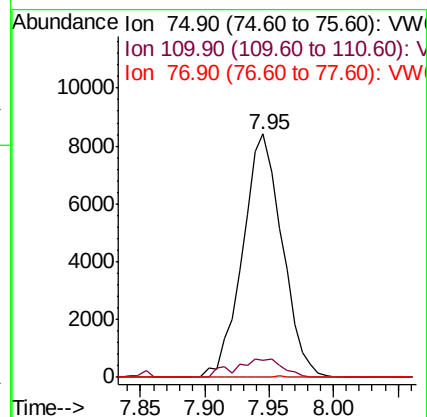
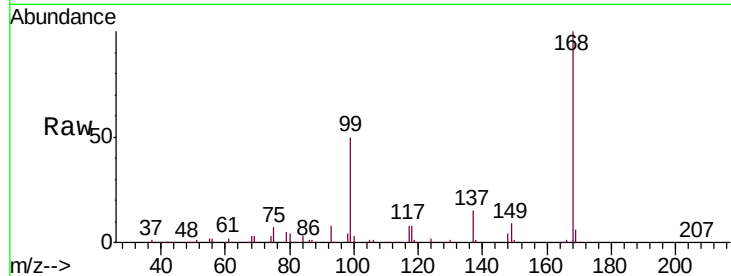
Tgt Ion: 75 Resp: 17856

Ion Ratio Lower Upper

75 100

110 7.5 18.7 56.1#

77 0.0 25.4 38.0#



#38

Carbon Tetrachloride

Concen: 6.390 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013990.D

Acq: 12 Nov 2019 21:42

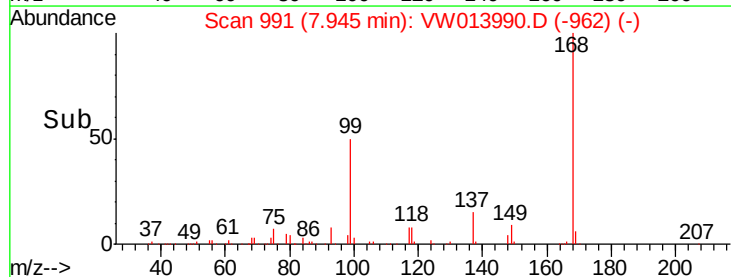
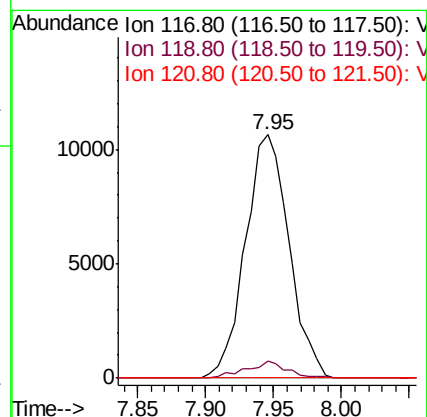
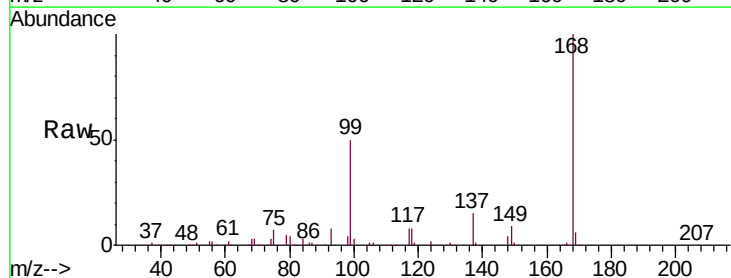
Tgt Ion: 117 Resp: 23913

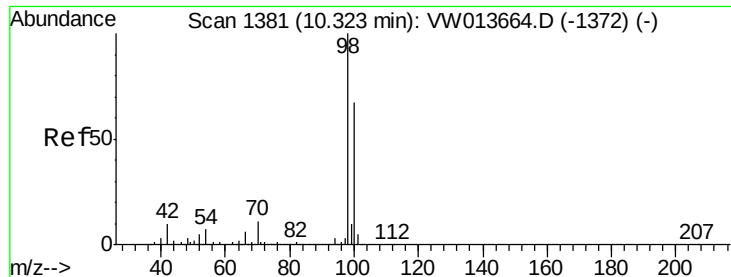
Ion Ratio Lower Upper

117 100

119 6.7 79.0 118.4#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 50.620 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013990.D

Acq: 12 Nov 2019 21:42

Instrument :

MSVOA_W

ClientSampleId :

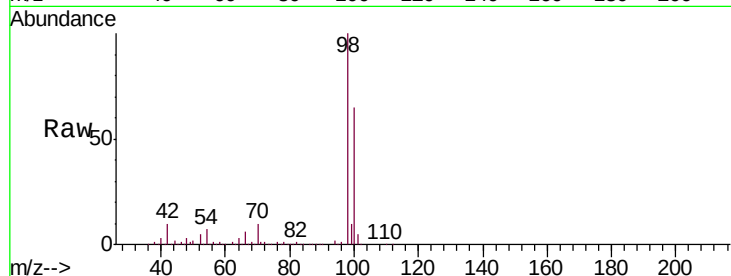
TP-16B-D2

Tgt Ion: 98 Resp: 511402

Ion Ratio Lower Upper

98 100

100 65.5 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

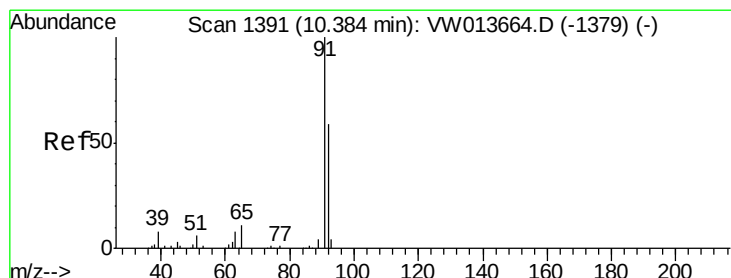
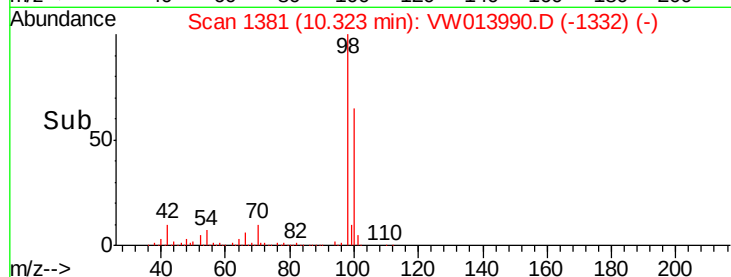
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#52

Toluene

Concen: 1.119 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013990.D

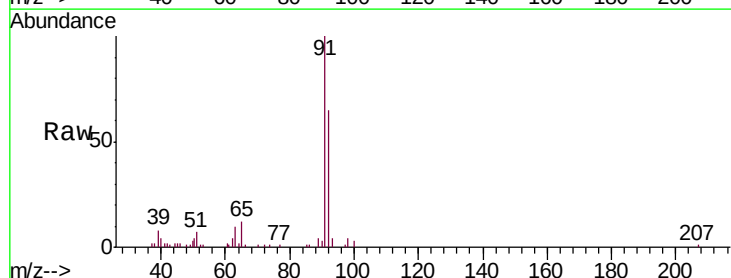
Acq: 12 Nov 2019 21:42

Tgt Ion: 92 Resp: 8492

Ion Ratio Lower Upper

92 100

91 161.8 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

8000

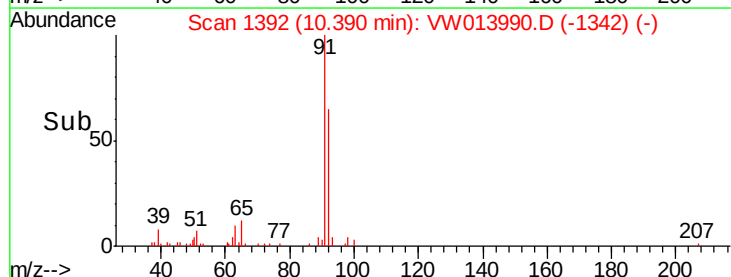
6000

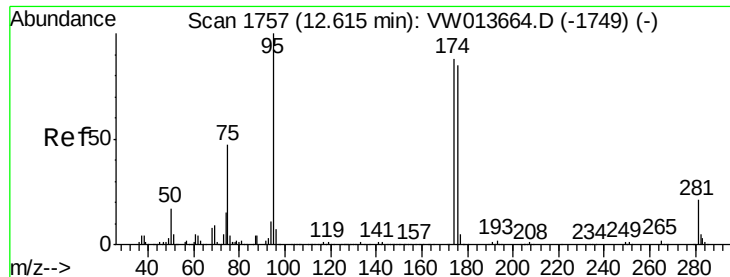
4000

2000

0

Time--> 10.35 10.40 10.45





#62

4-Bromofluorobenzene

Concen: 46.257 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013990.D

Acq: 12 Nov 2019 21:42

Instrument :

MSVOA_W

ClientSampleId :

TP-16B-D2

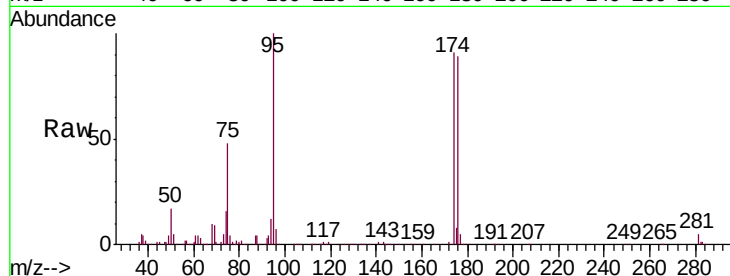
Tgt Ion: 95 Resp: 158236

Ion Ratio Lower Upper

95 100

174 91.6 0.0 183.6

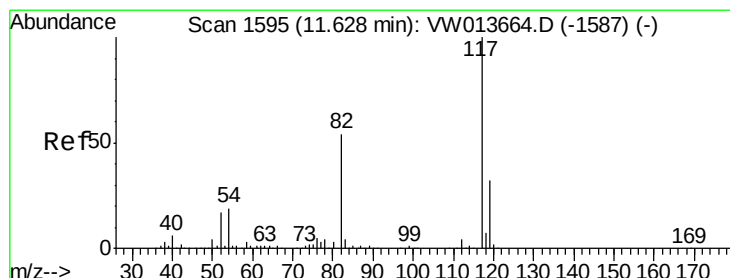
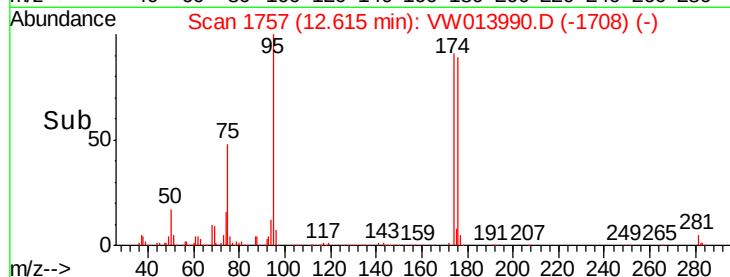
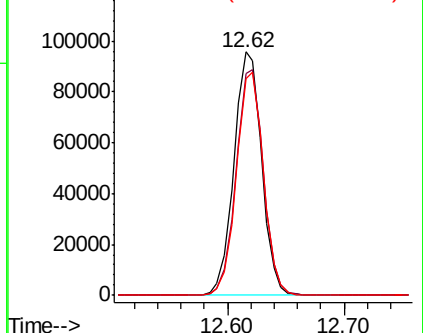
176 89.8 0.0 178.0



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# 1595

Delta R.T. 0.00 min

Lab File: VW013990.D

Acq: 12 Nov 2019 21:42

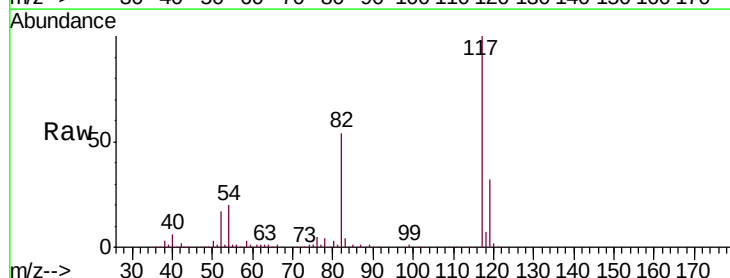
Tgt Ion: 117 Resp: 370897

Ion Ratio Lower Upper

117 100

82 54.0 43.6 65.4

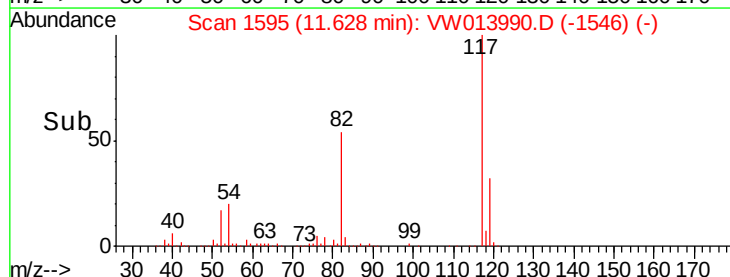
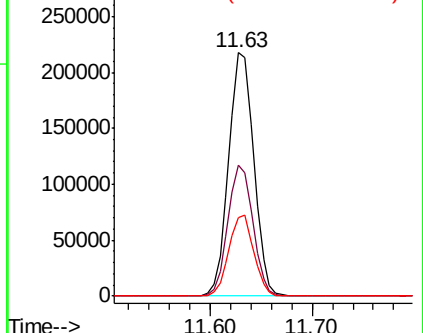
119 32.2 25.4 38.2

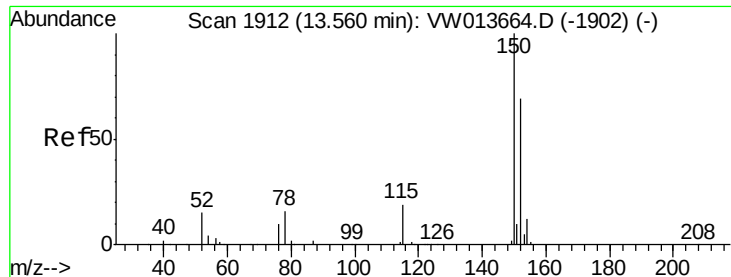


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW013990.D

Acq: 12 Nov 2019 21:42

Instrument :

MSVOA_W

ClientSampleId :

TP-16B-D2

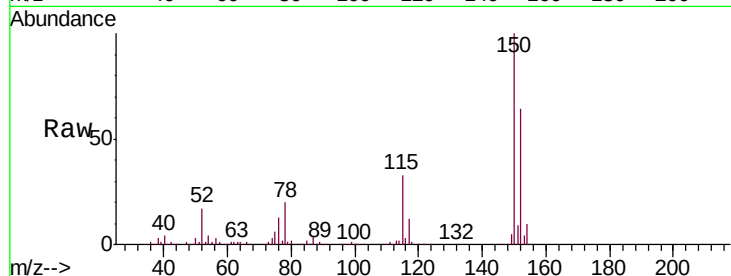
Tgt Ion:152 Resp: 164474

Ion Ratio Lower Upper

152 100

115 53.9 27.4 82.2

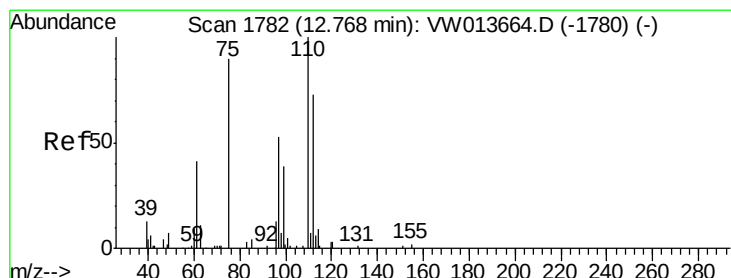
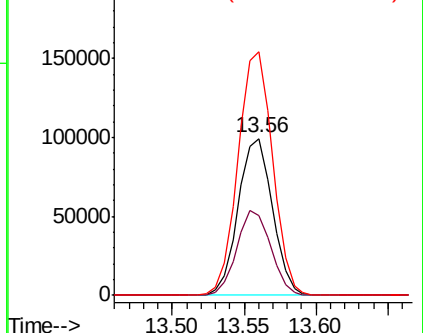
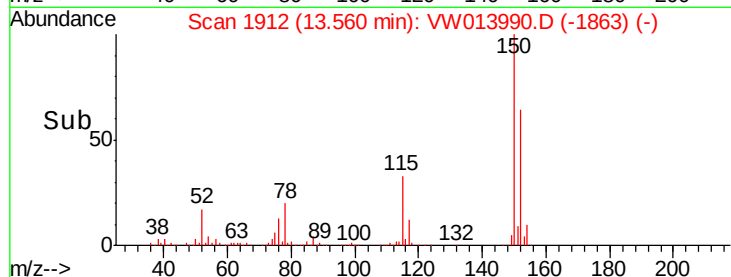
150 156.5 0.0 345.4



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: 62.381 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013990.D

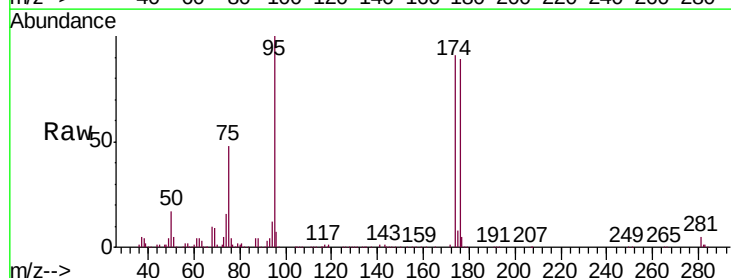
Acq: 12 Nov 2019 21:42

Tgt Ion: 75 Resp: 73681

Ion Ratio Lower Upper

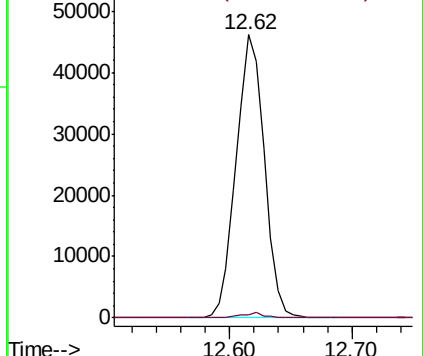
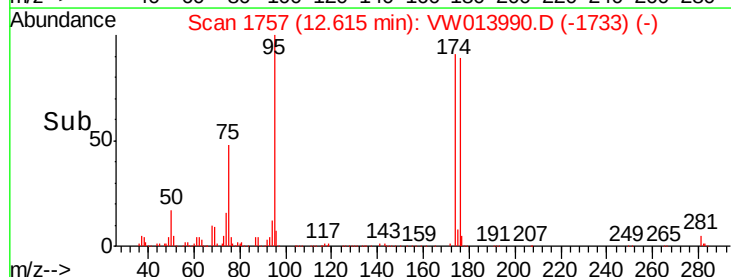
75 100

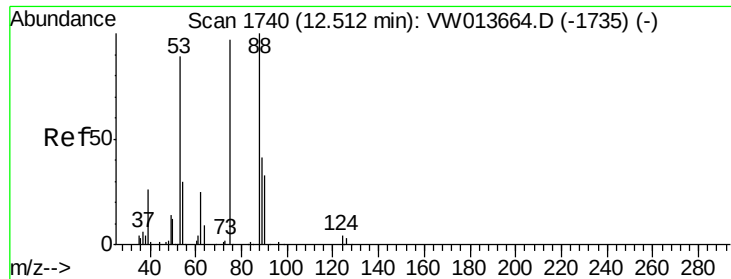
77 1.5 0.0 0.0#



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: 117.891 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013990.D

Acq: 12 Nov 2019 21:42

Instrument :

MSVOA_W

ClientSampleId :

TP-16B-D2

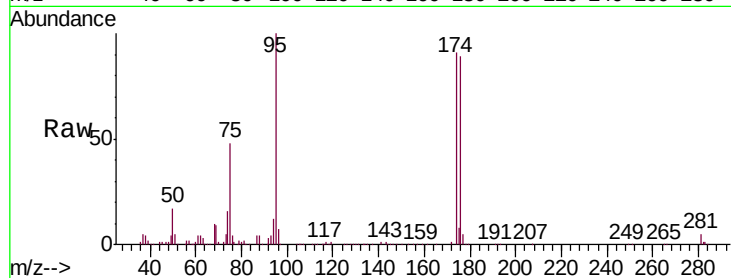
Tgt Ion: 75 Resp: 73681

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 0.1 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

