

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011331.D
 Acq On : 18 Jul 2019 13:34
 Operator : SY/VA
 Sample : VW0718SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:43:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	173747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	299035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	251198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	104576	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	112925	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
35) Dibromofluoromethane	7.88	113	91323	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
50) Toluene-d8	10.32	98	368052	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.62	95	117956	44.67	ug/l	0.00
Spiked Amount			Recovery	=	89.34%	

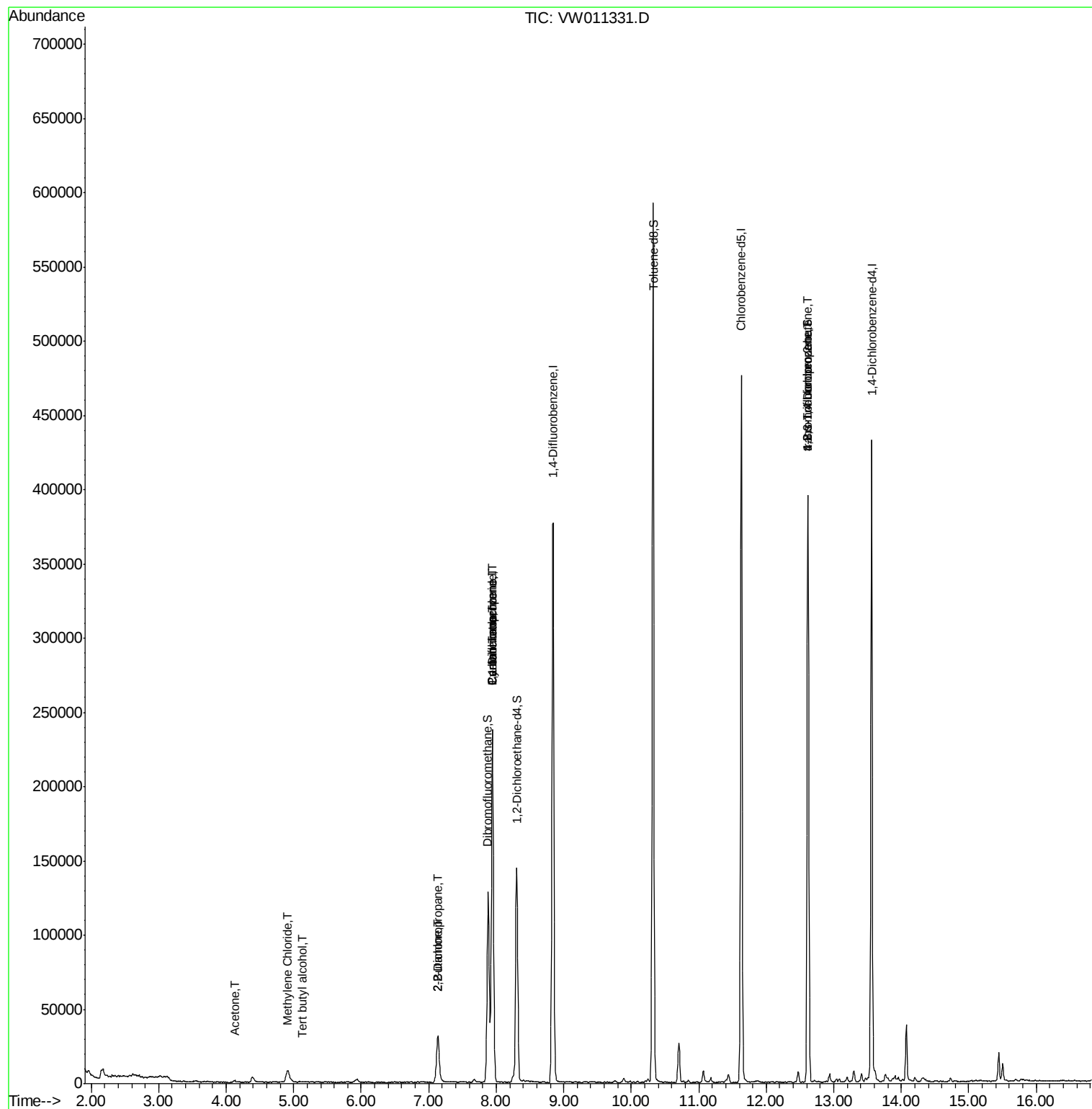
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	247	1.528	ug/l #	70
16) Acetone	4.13	43	2581	4.913	ug/l	99
18) Methyl Acetate	4.65	43	73	Below Cal	#	57
20) Methylene Chloride	4.92	84	6231	3.007	ug/l #	89
25) 2-Butanone	7.14	43	2206	2.675	ug/l #	90
26) 2,2-Dichloropropane	7.13	77	2246	1.087	ug/l #	53
31) Cyclohexane	7.95	56	4290	1.014	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15312	4.808	ug/l #	51
38) Carbon Tetrachloride	7.94	117	18111	6.709	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	63520	52.561	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	63520	118.882	ug/l #	6

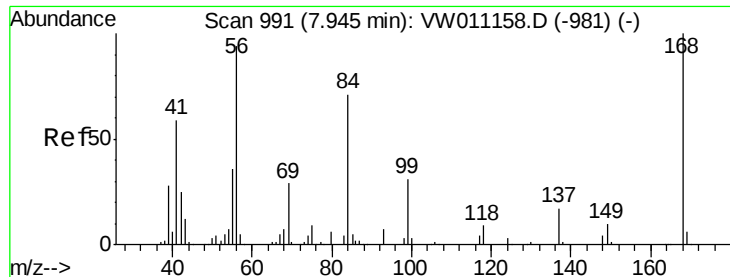
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071819\
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Misc : 5.00G/5ML/MSVOA W/SOIL
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MSVOA_W
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Quant Time: Jul 19 06:43:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 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: VW011331.D

Acq: 18 Jul 2019 13:34

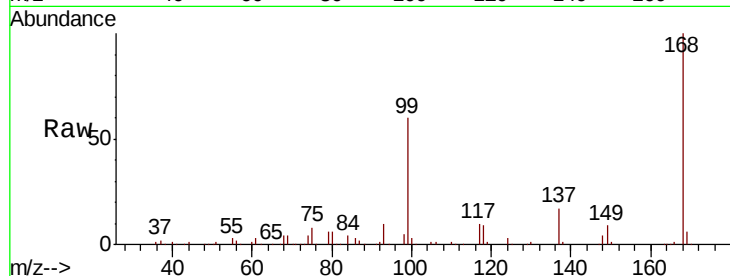
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 173747

Ion Ratio Lower Upper

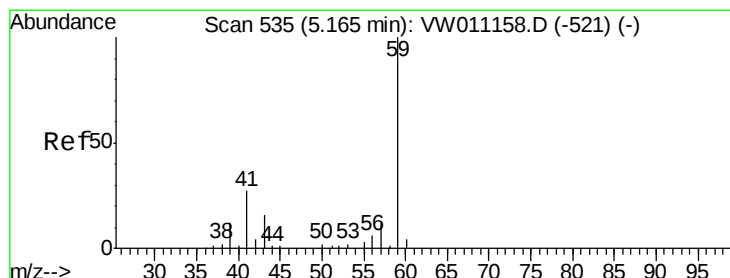
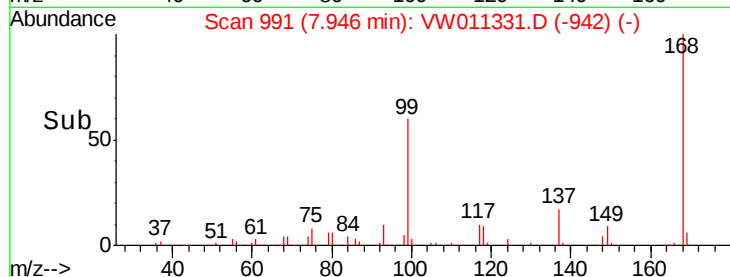
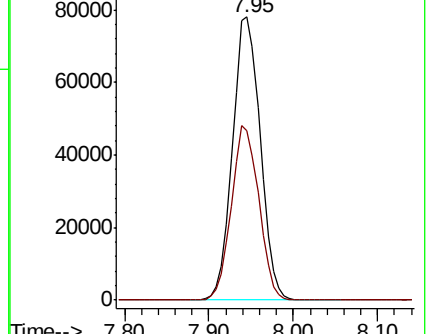
168 100

99 59.8 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.528 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW011331.D

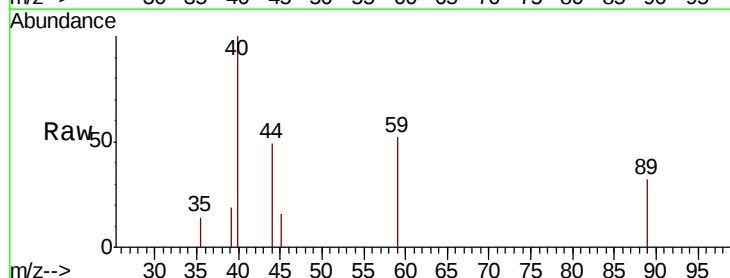
Acq: 18 Jul 2019 13:34

Tgt Ion: 59 Resp: 247

Ion Ratio Lower Upper

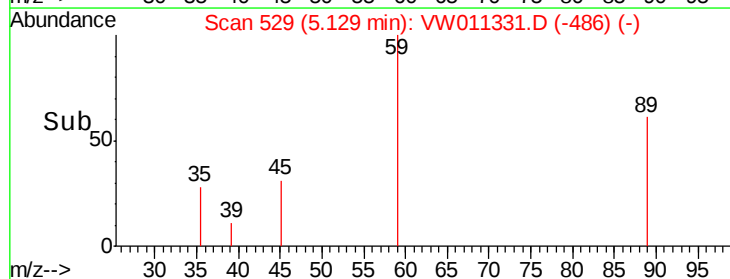
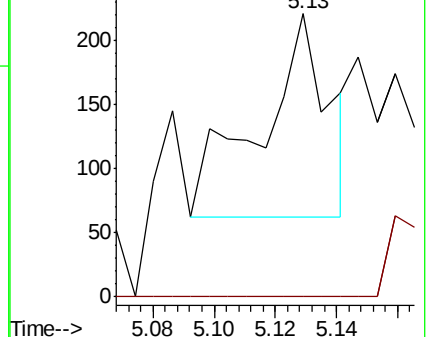
59 100

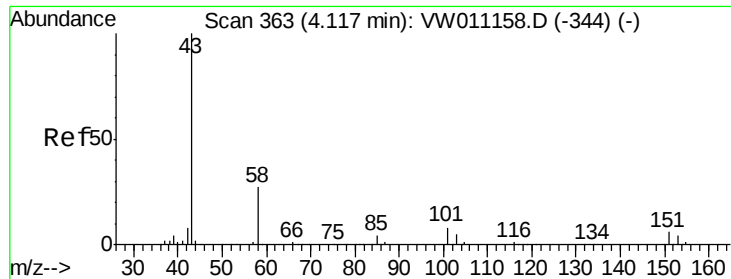
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 4.913 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011331.D

Acq: 18 Jul 2019 13:34

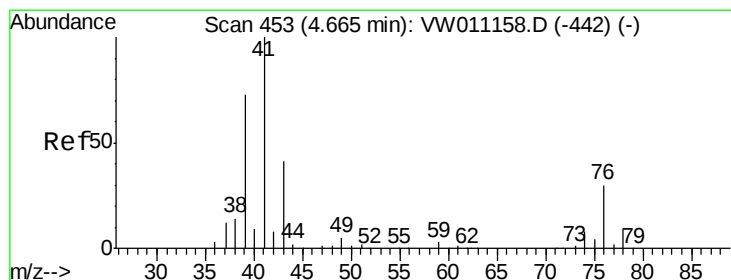
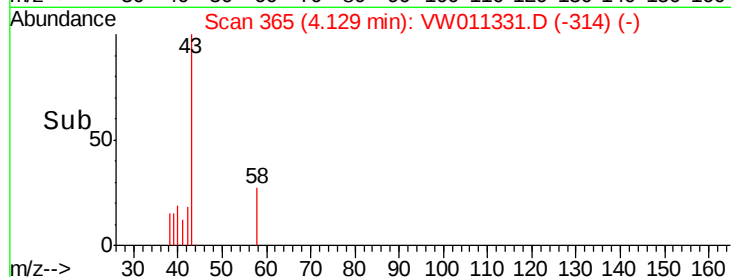
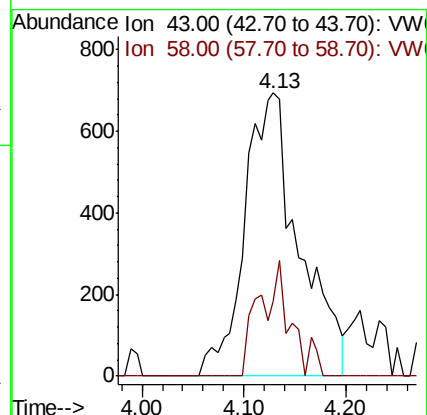
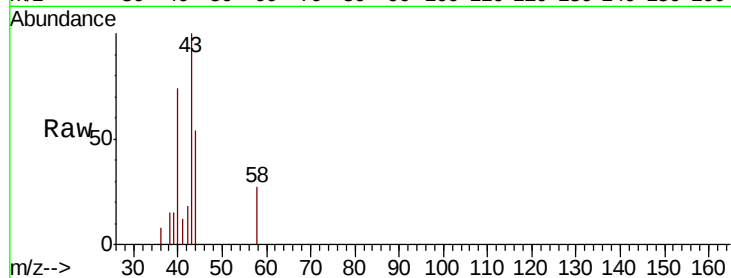
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 2581

Ion Ratio Lower Upper

43 100

58 26.6 21.8 32.6



#18

Methyl Acetate

Concen: Below Cal

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW011331.D

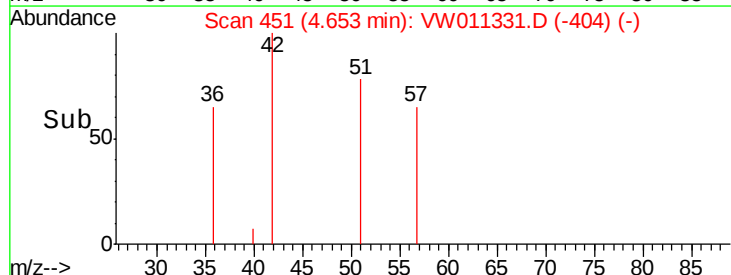
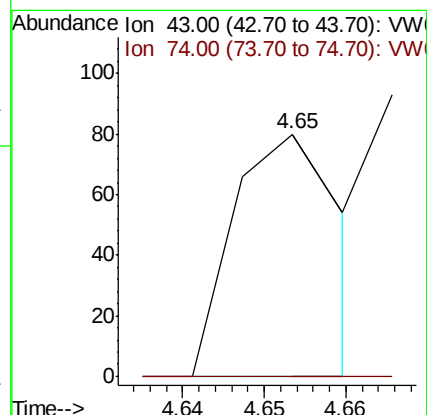
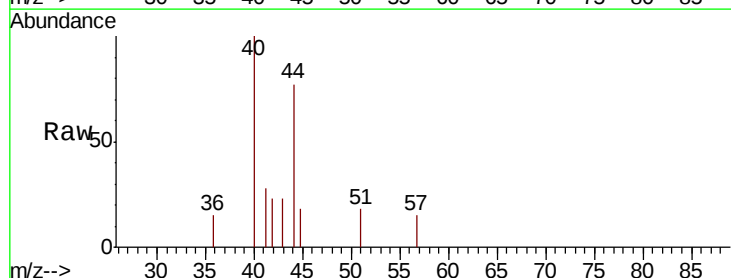
Acq: 18 Jul 2019 13:34

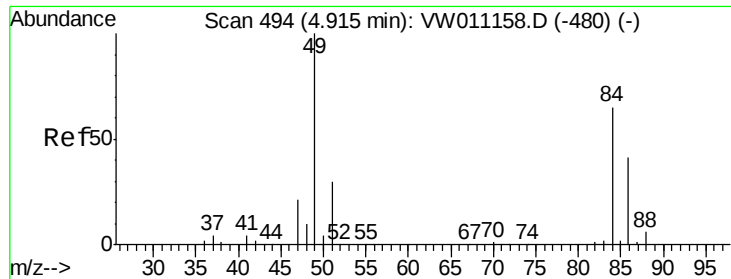
Tgt Ion: 43 Resp: 73

Ion Ratio Lower Upper

43 100

74 0.0 15.7 23.5#

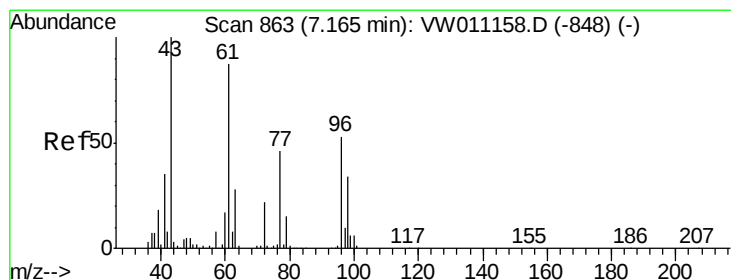
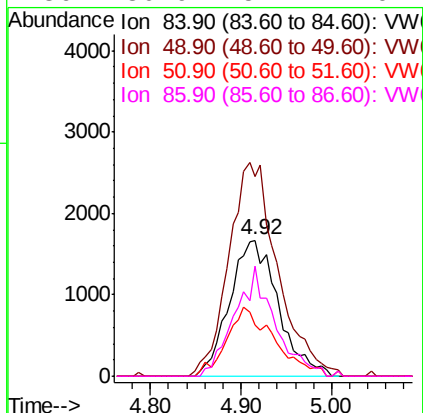
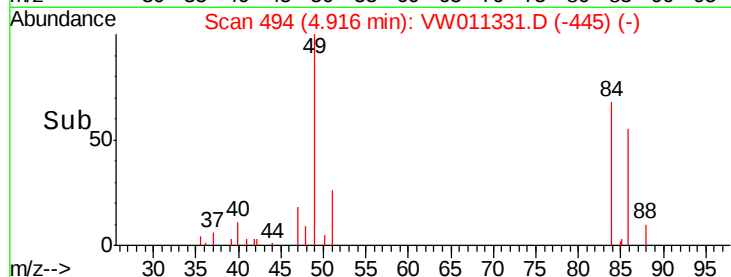
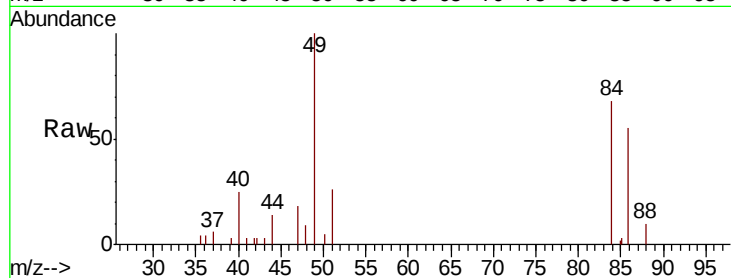




#20
Methvlene Chloride
Concen: 3.007 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011331.D
Acq: 18 Jul 2019 13:34

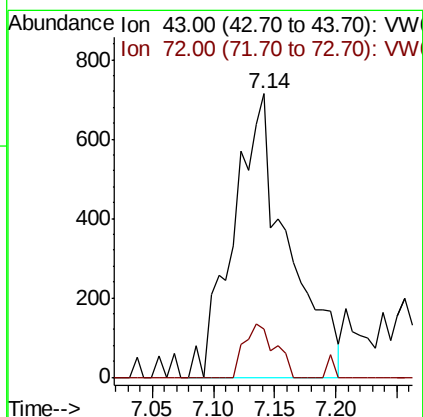
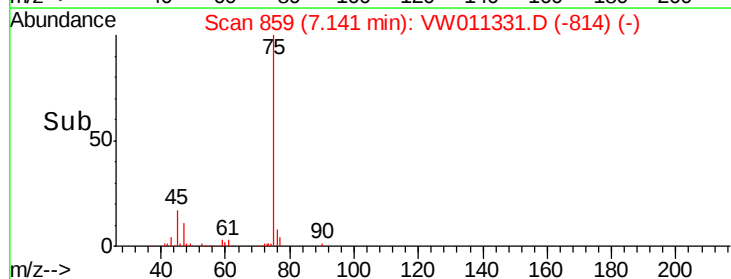
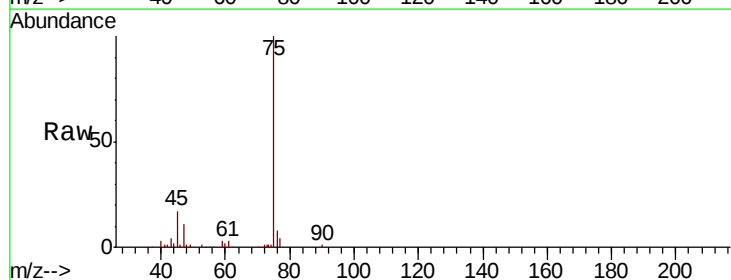
Instrument :
MSVOA_W
ClientSampleId :

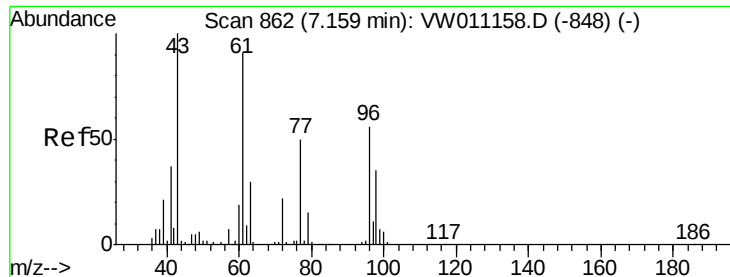
Tot Ion: 84 Resp: 6231
Ion Ratio Lower Upper
84 100
49 146.9 123.8 185.6
51 37.7 37.4 56.2
86 80.9 51.1 76.7#



#25
2-Butanone
Concen: 2.675 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW011331.D
Acq: 18 Jul 2019 13:34

Tgt Ion: 43 Resp: 2206
Ion Ratio Lower Upper
43 100
72 17.1 17.6 26.4#





#26

2,2-Dichloropropane

Concen: 1.087 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW011331.D

Acq: 18 Jul 2019 13:34

Instrument :

MSVOA_W

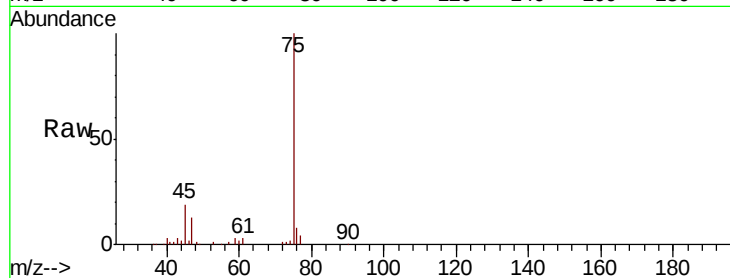
ClientSampleId :

Tot Ion: 77 Resp: 2246

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.13

800

600

400

200

0

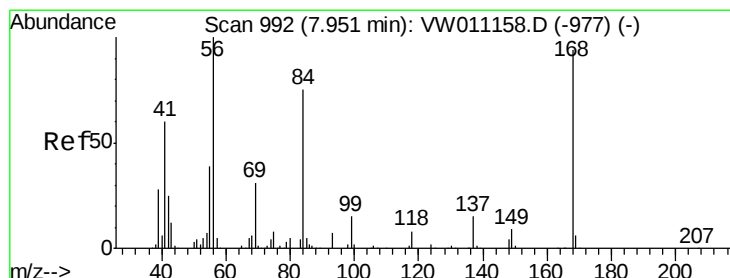
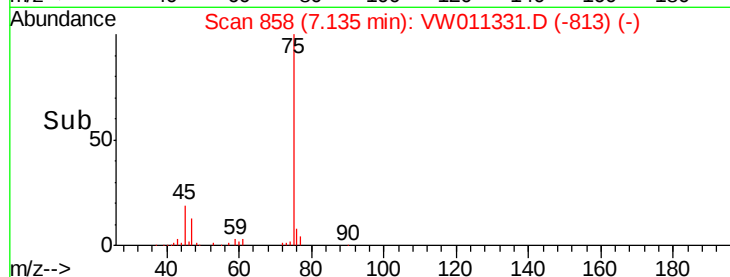
7.05

7.10

7.15

7.20

Time-->



#31

Cyclohexane

Concen: 1.014 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011331.D

Acq: 18 Jul 2019 13:34

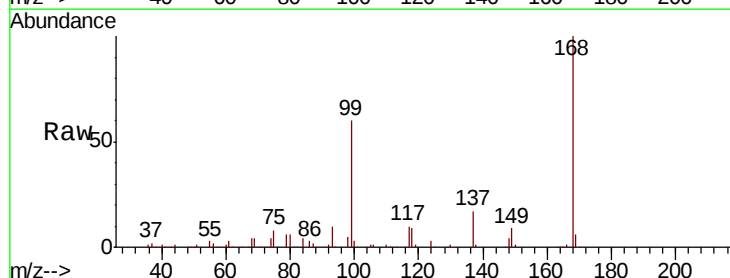
Tgt Ion: 56 Resp: 4290

Ion Ratio Lower Upper

56 100

69 162.3 24.6 36.8#

84 155.0 60.1 90.1#



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

4000

3000

2000

1000

0

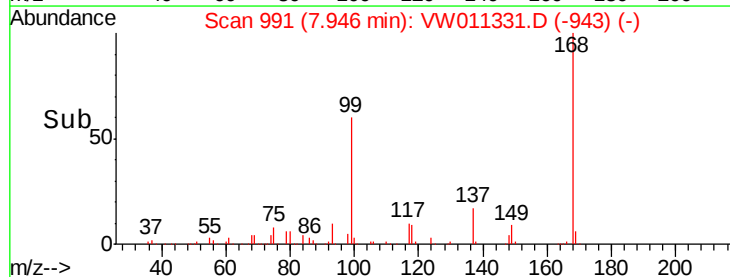
7.85

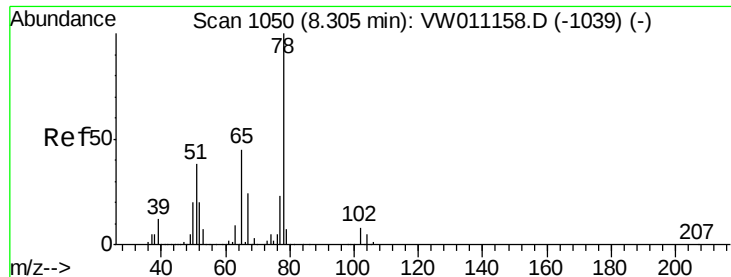
7.90

7.95

8.00

Time-->

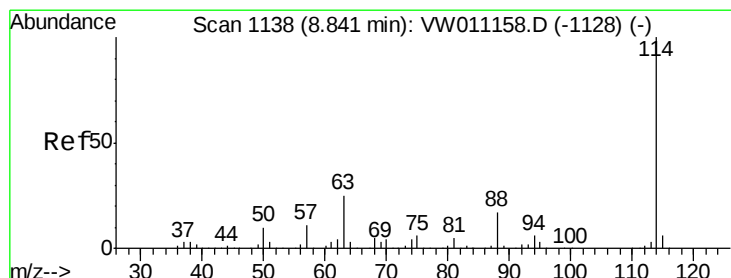
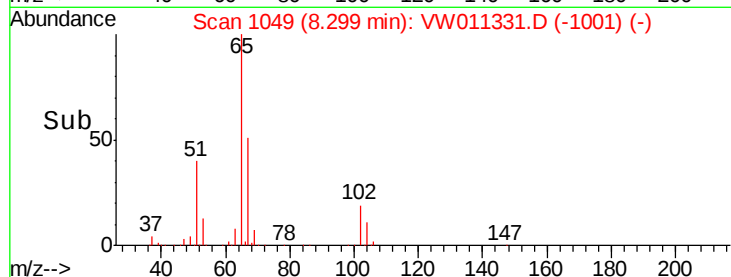
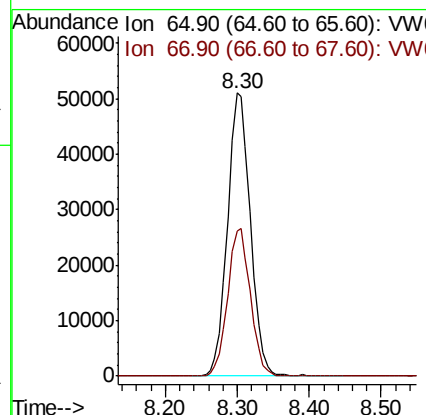
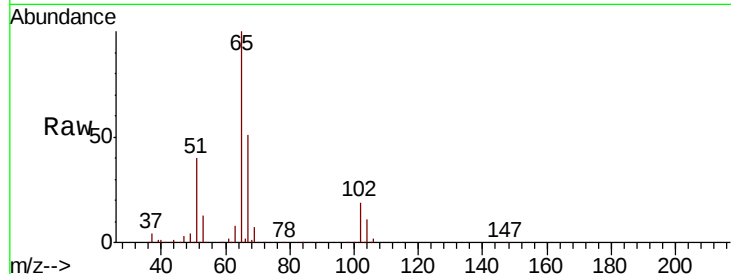




#33
 1,2-Dichloroethane-d4
 Concen: 51.725 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011331.D
 Acq: 18 Jul 2019 13:34

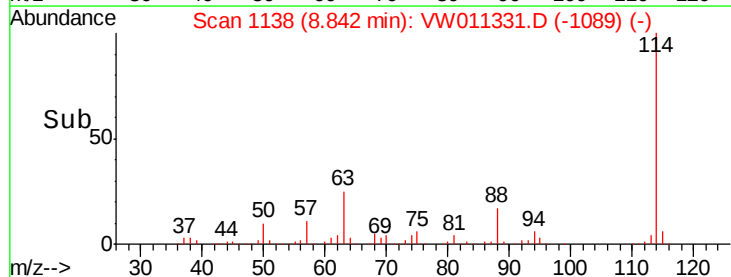
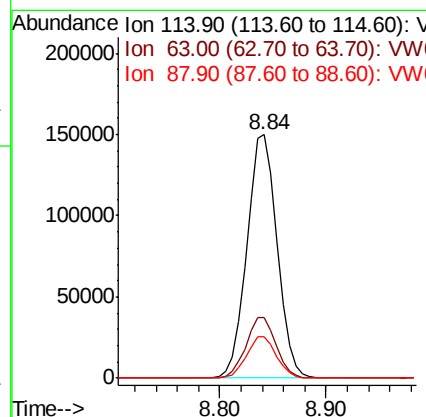
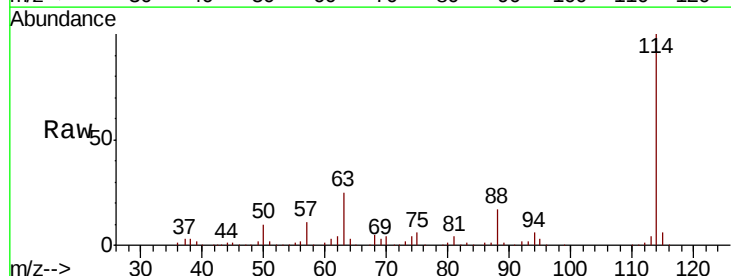
Instrument :
 MSVOA_W
 ClientSampleId :

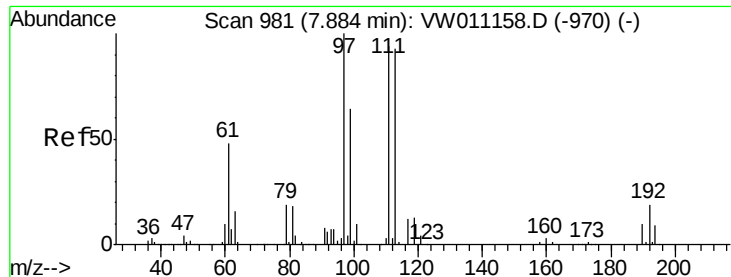
Tot Ion: 65 Resp: 112925
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011331.D
 Acq: 18 Jul 2019 13:34

Tgt Ion: 114 Resp: 299035
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 50.8
 88 16.8 0.0 34.2





#35

Dibromofluoromethane

Concen: 51.236 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011331.D

Acq: 18 Jul 2019 13:34

Instrument :
MSVOA_W
ClientSampled :

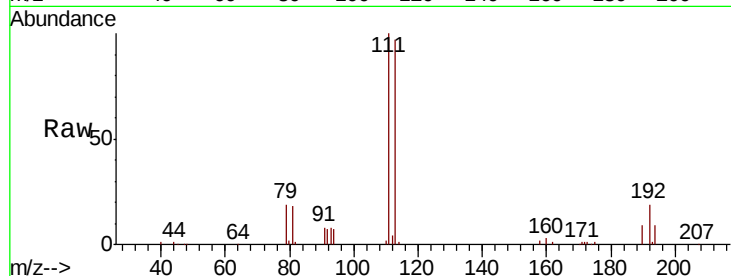
Tot Ion:113 Resp: 91323

Ion Ratio Lower Upper

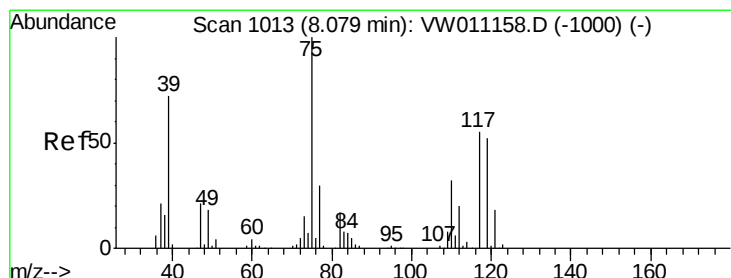
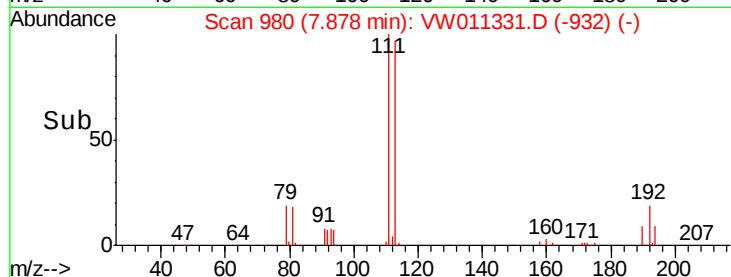
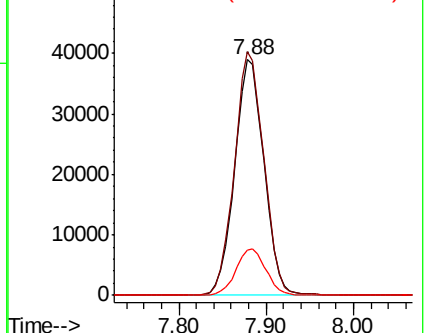
113 100

111 103.3 82.4 123.6

192 20.0 15.8 23.8



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: 4.808 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011331.D

Acq: 18 Jul 2019 13:34

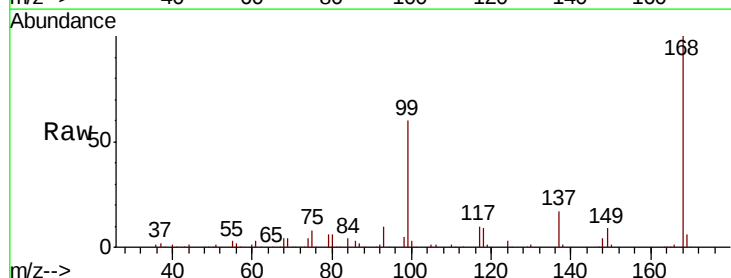
Tgt Ion: 75 Resp: 15312

Ion Ratio Lower Upper

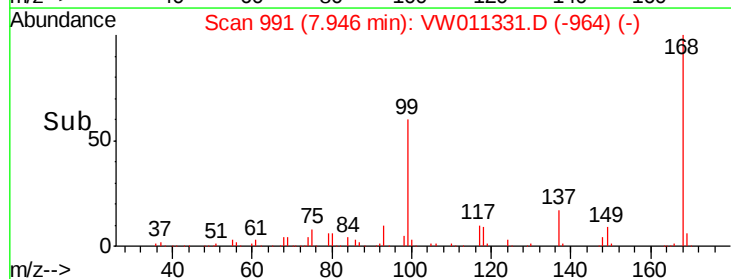
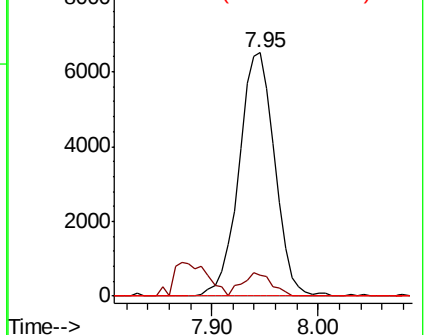
75 100

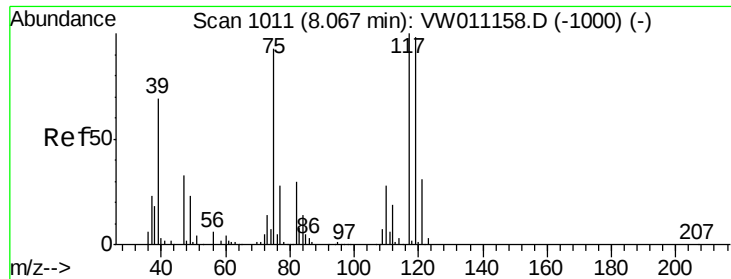
110 8.0 15.9 47.6#

77 0.0 24.6 36.8#



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: 6.709 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW011331.D

Acq: 18 Jul 2019 13:34

Instrument :

MSVOA_W

ClientSampled :

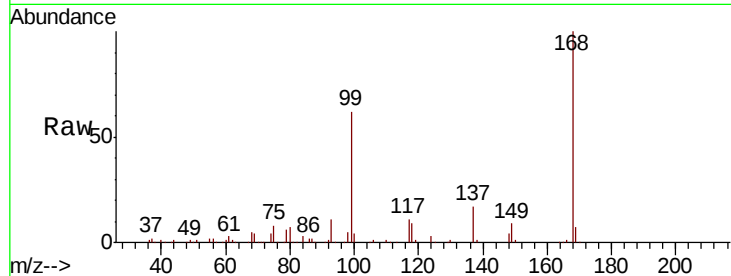
Tot Ion:117 Resp: 18111

Ion Ratio Lower Upper

117 100

119 5.2 78.1 117.1#

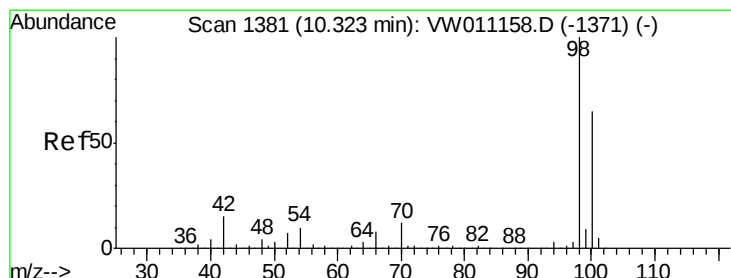
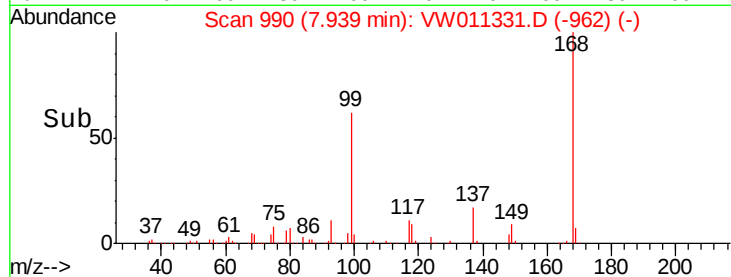
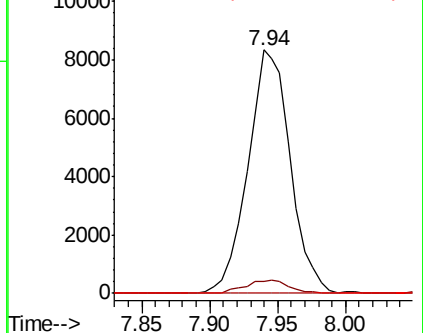
121 0.0 25.1 37.7#



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: 51.085 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011331.D

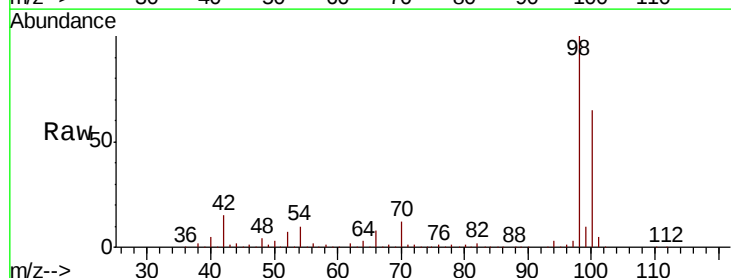
Acq: 18 Jul 2019 13:34

Tgt Ion: 98 Resp: 368052

Ion Ratio Lower Upper

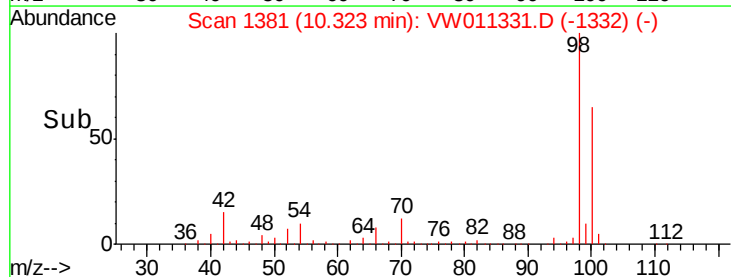
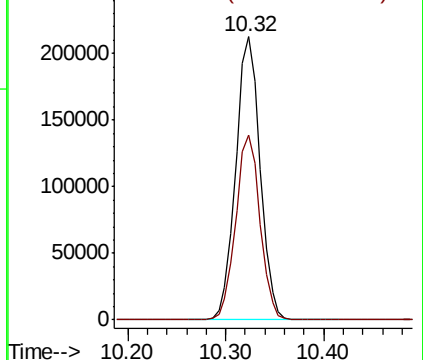
98 100

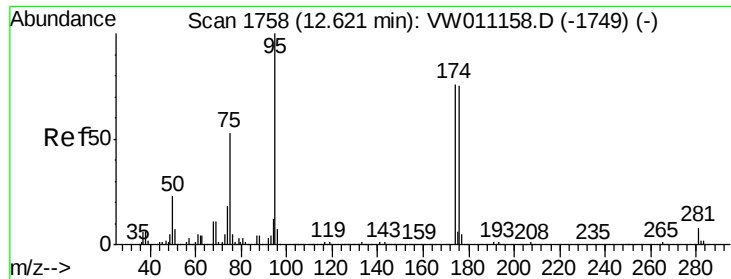
100 65.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 44.667 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW011331.D

Acq: 18 Jul 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

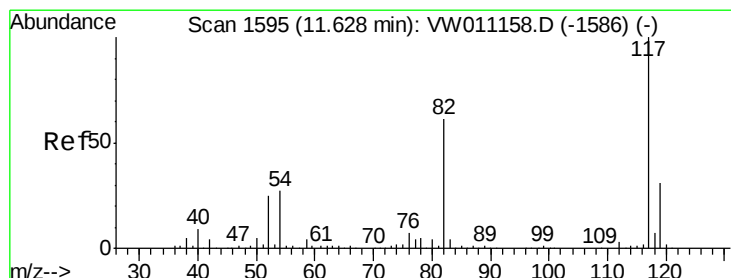
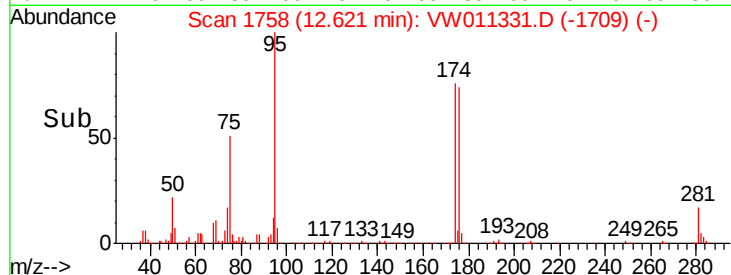
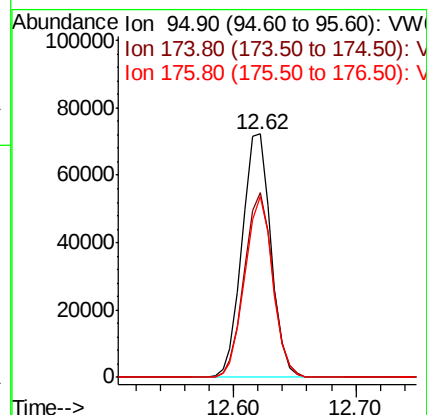
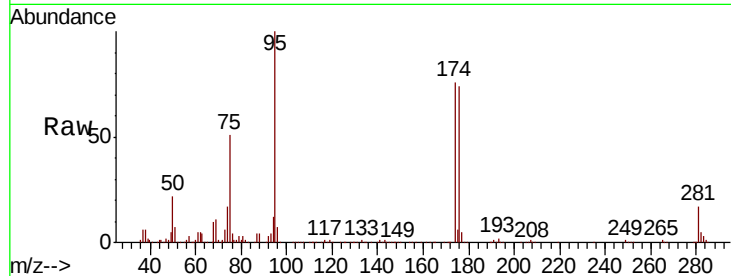
Tot Ion: 95 Resp: 117956

Ion Ratio Lower Upper

95 100

174 75.2 0.0 147.6

176 72.3 0.0 144.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW011331.D

Acq: 18 Jul 2019 13:34

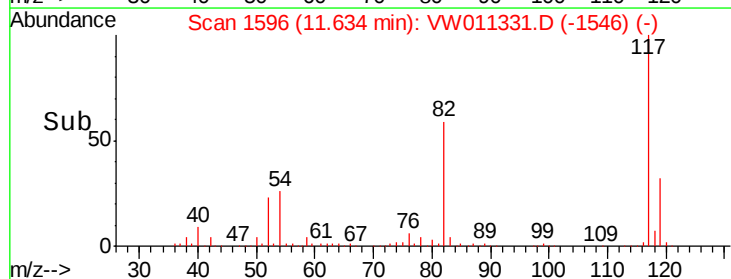
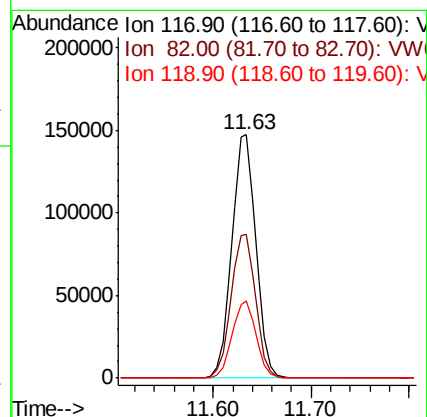
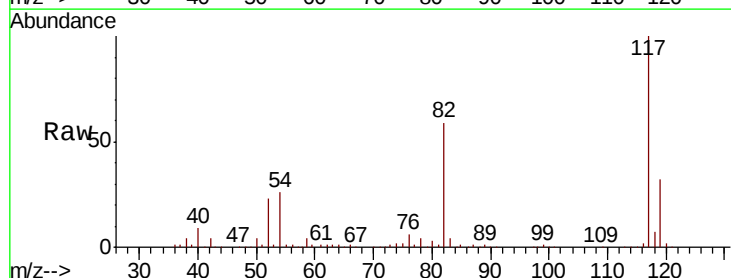
Tgt Ion: 117 Resp: 251198

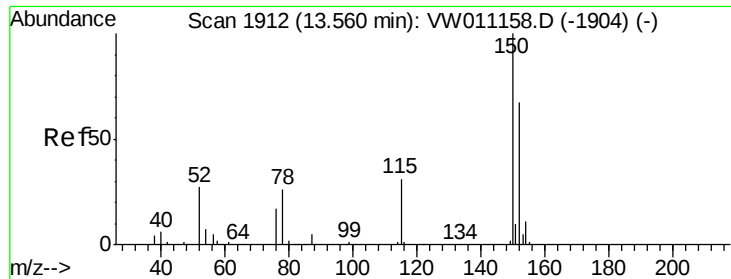
Ion Ratio Lower Upper

117 100

82 58.8 48.9 73.3

119 31.7 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011331.D

Acq: 18 Jul 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

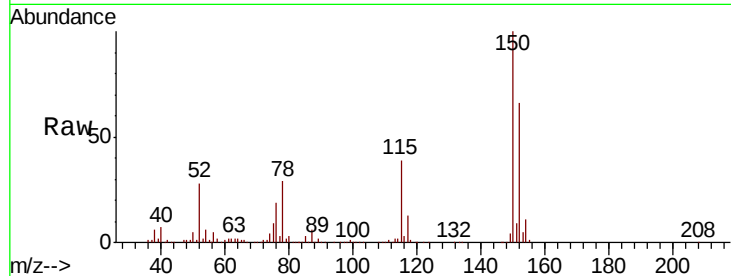
Tot Ion:152 Resp: 104576

Ion Ratio Lower Upper

152 100

115 60.0 30.1 90.3

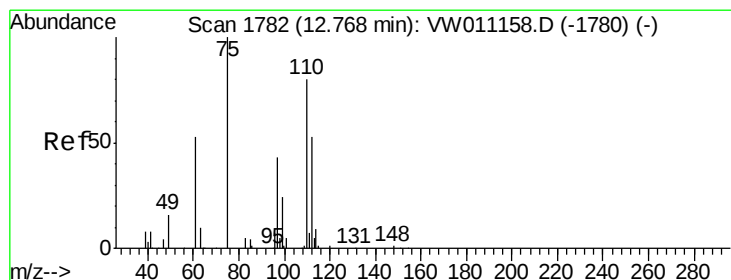
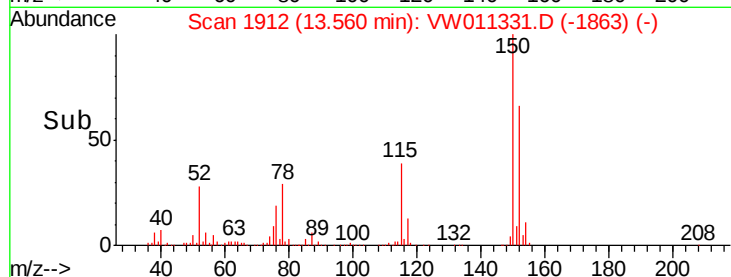
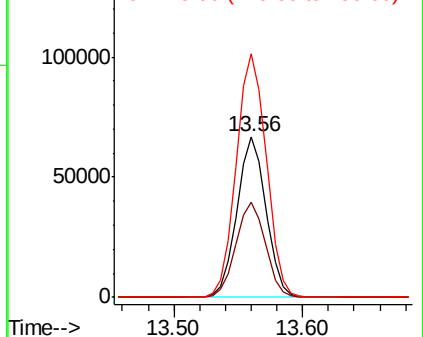
150 156.5 0.0 346.0



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: 52.561 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011331.D

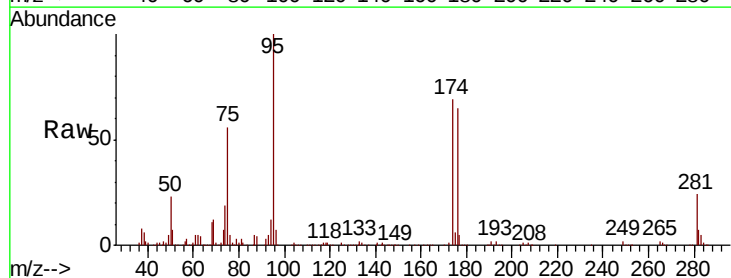
Acq: 18 Jul 2019 13:34

Tgt Ion: 75 Resp: 63520

Ion Ratio Lower Upper

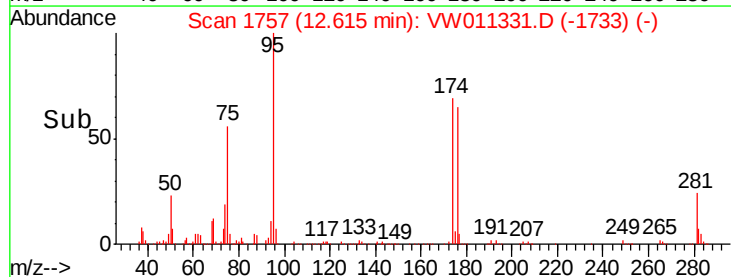
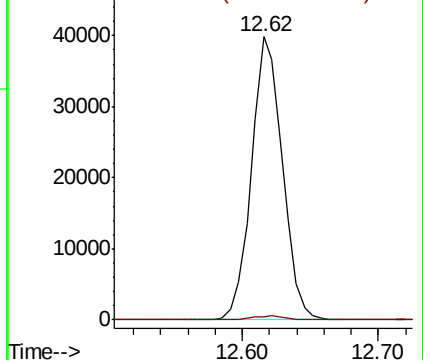
75 100

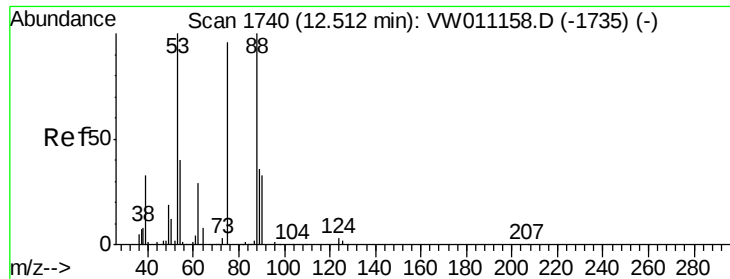
77 1.5 0.0 0.0#



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: 118.882 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011331.D

Acq: 18 Jul 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

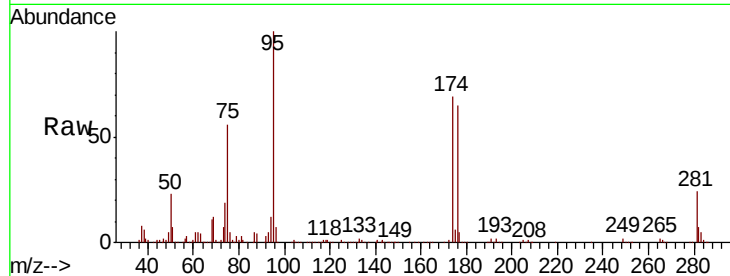
Tot Ion: 75 Resp: 63520

Ion Ratio Lower Upper

75 100

53 0.1 89.8 134.6#

89 0.2 34.3 51.5#



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

