

Data File : VW012851.D
Acq On : 10 Sep 2019 04:56
Operator : SY/VA
Sample : K4644-11
Misc : 8.64G/5ML/MSVOA_W/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T11-E3-(0)

Quant Time: Sep 10 07:10:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	266346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402039	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	79817	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	141843	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
35) Dibromofluoromethane	7.88	113	117706	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	10.32	98	457321	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
62) 4-Bromofluorobenzene	12.62	95	111974	32.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.88%	

Target Compounds			Qvalue			
8) Diethyl Ether	3.68	74	1534	1.229	ug/l #	33
20) Methylene Chloride	4.90	84	5963	2.349	ug/l	85
25) 2-Butanone	7.17	43	55	19.723	ug/l #	53
29) Tetrahydrofuran	7.53	42	1569	2.395	ug/l	92
31) Cyclohexane	7.95	56	5763	1.317	ug/l #	4
36) 1,1-Dichloropropene	7.94	75	20241	5.666	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25969	7.375	ug/l #	16
41) Methacrylonitrile	7.54	41	1144	4.521	ug/l #	52
51) 4-Methyl-2-Pentanone	10.32	43	2452	1.083	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	57714	70.714	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57714	149.564	ug/l #	6
95) Naphthalene	15.36	128	70	4.458	ug/l #	69

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

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Instrument :
MSVOA_W
ClientSampleId :
T11-E3-(0)

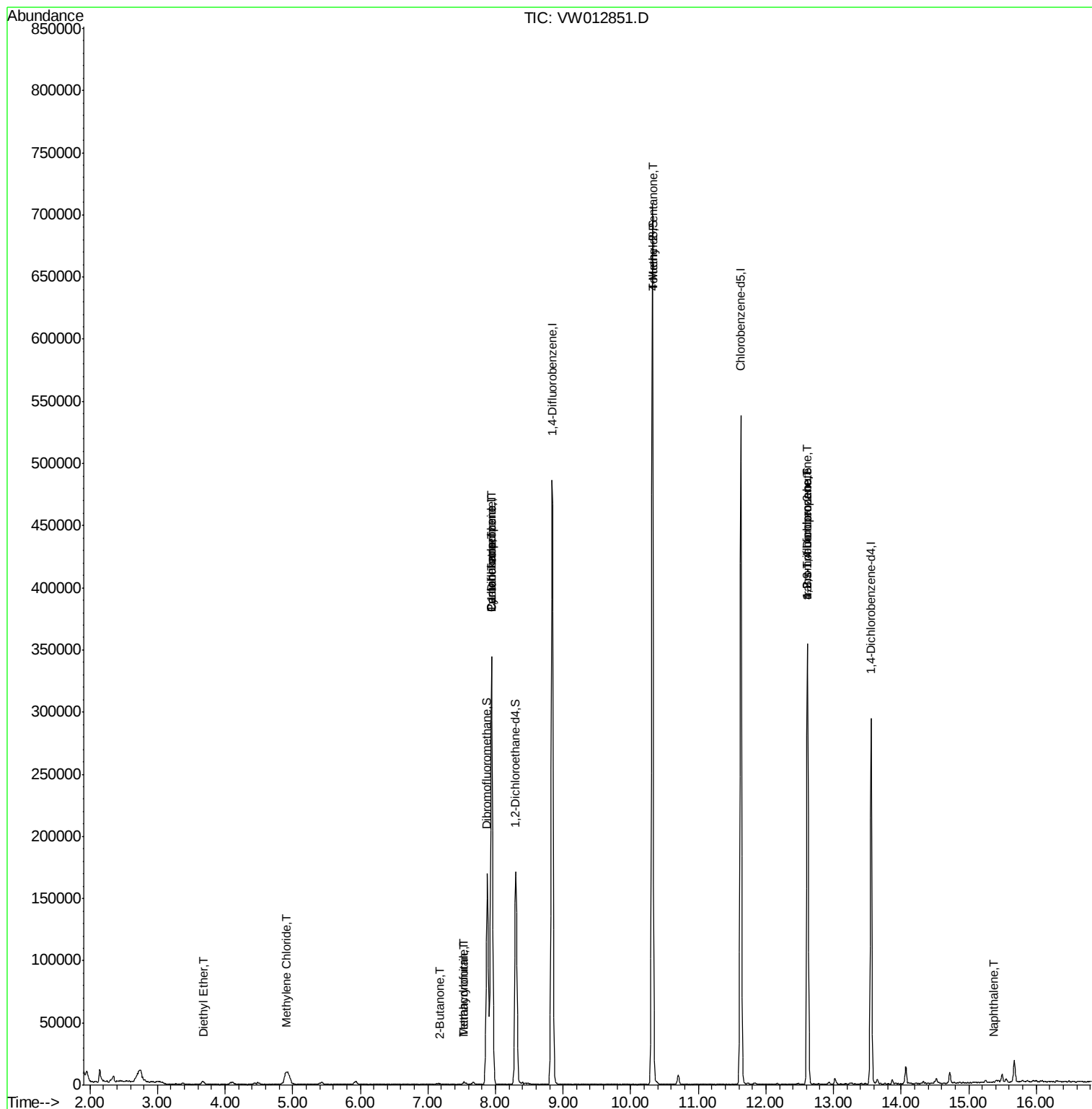
Quant Time: Sep 10 07:10:54 2019

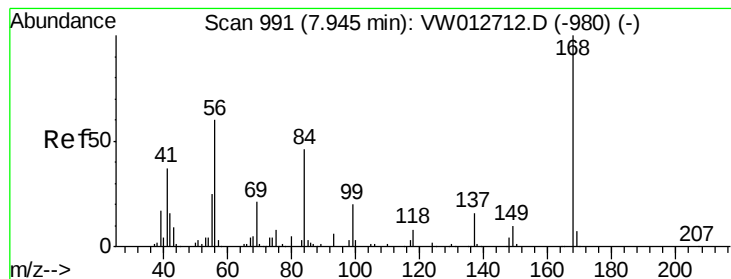
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W090719S.M

Quant Title : SW846 8260

QLast Update : Sun Sep 08 05:04:40 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: VW012851.D

Acq: 10 Sep 2019 04:56

Instrument :

MSVOA_W

ClientSampleId :

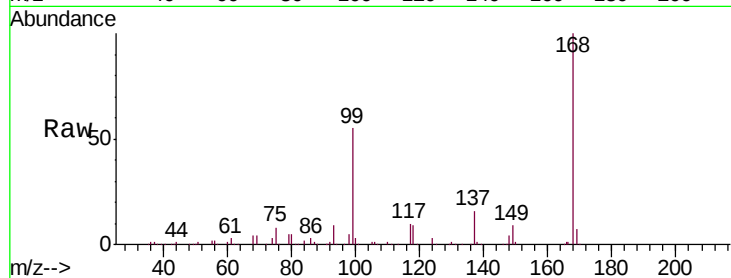
T11-E3-(0)

Tgt Ion:168 Resp: 266346

Ion Ratio Lower Upper

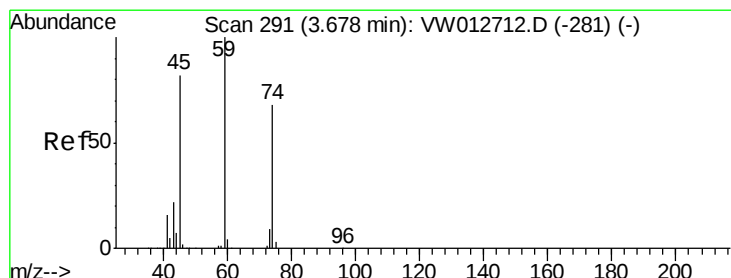
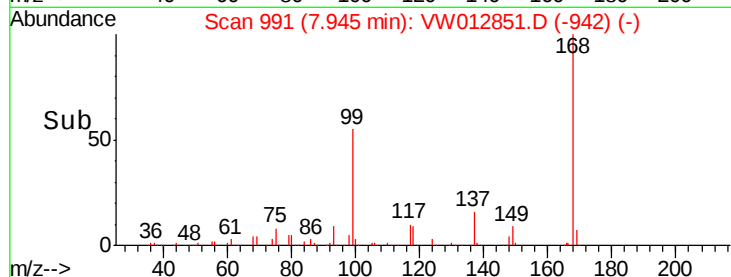
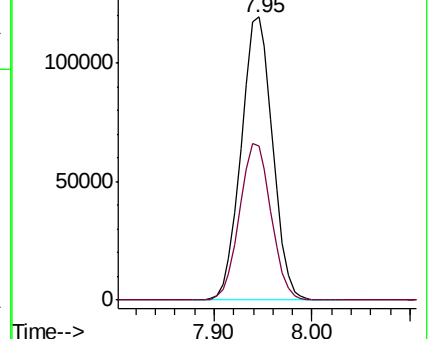
168 100

99 54.6 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.229 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012851.D

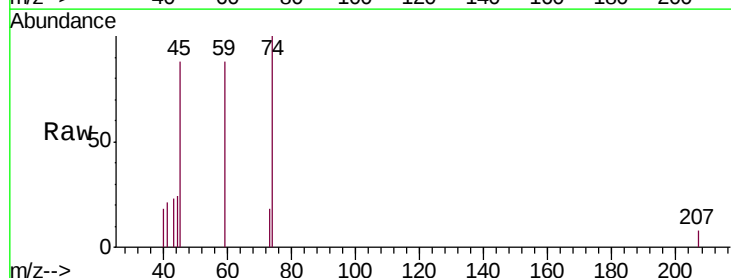
Acq: 10 Sep 2019 04:56

Tgt Ion: 74 Resp: 1534

Ion Ratio Lower Upper

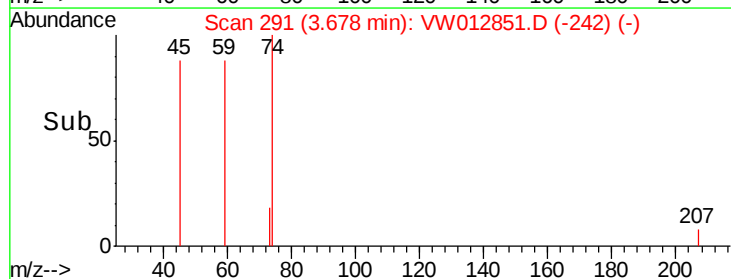
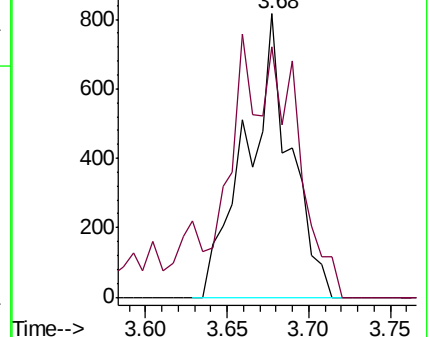
74 100

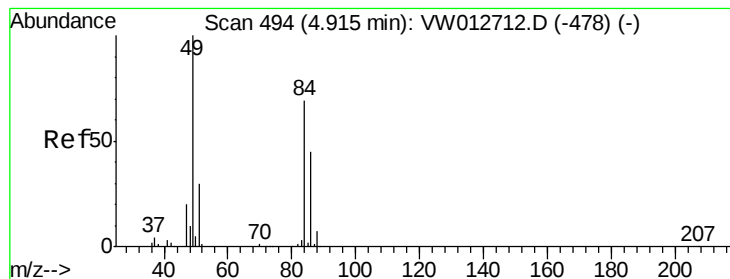
45 43.8 58.8 176.4#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#20

Methylene Chloride

Concen: 2.349 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012851.D

Acq: 10 Sep 2019 04:56

Instrument :

MSVOA_W

ClientSampleId :

T11-E3-(0)

Tgt Ion: 84 Resp: 5963

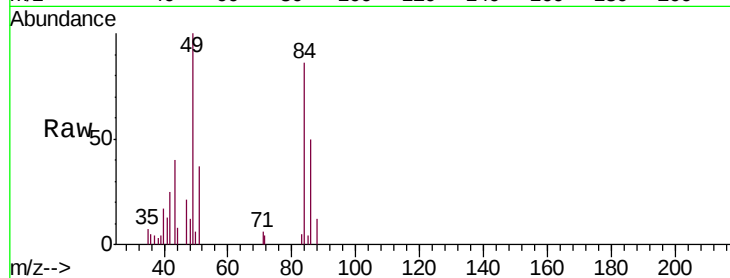
Ion Ratio Lower Upper

84 100

49 116.1 115.4 173.0

51 43.4 34.9 52.3

86 57.7 52.2 78.4

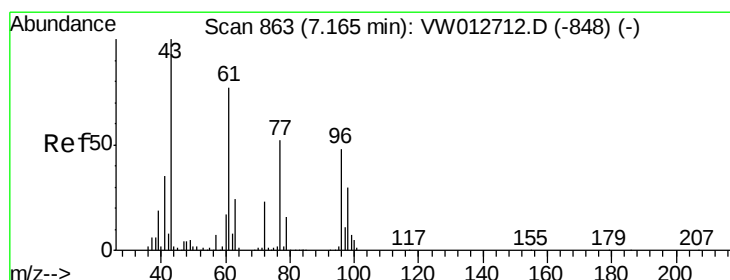
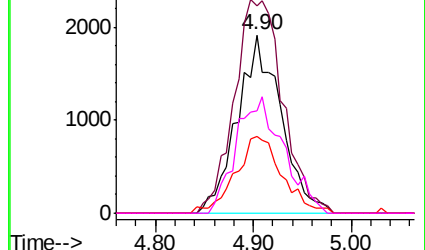
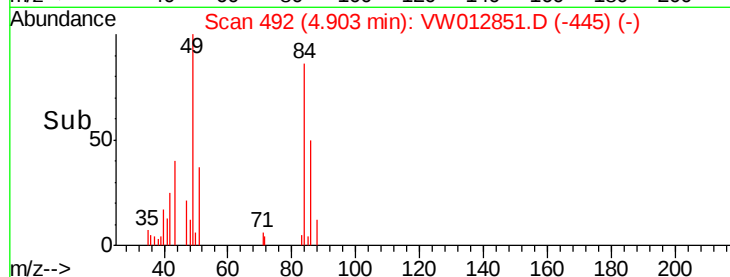


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 19.723 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012851.D

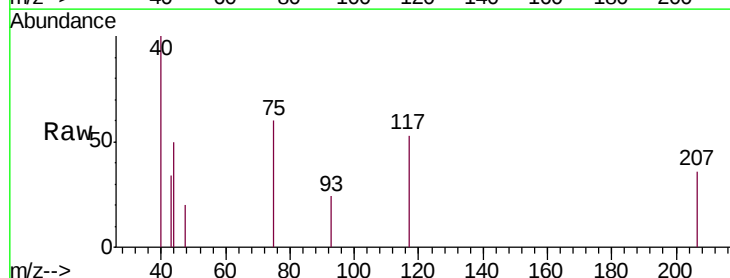
Acq: 10 Sep 2019 04:56

Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

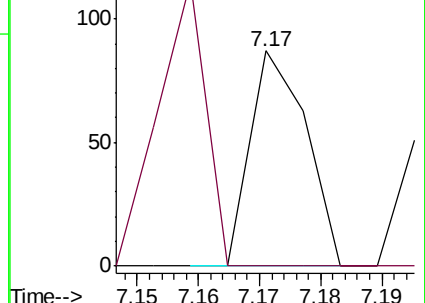
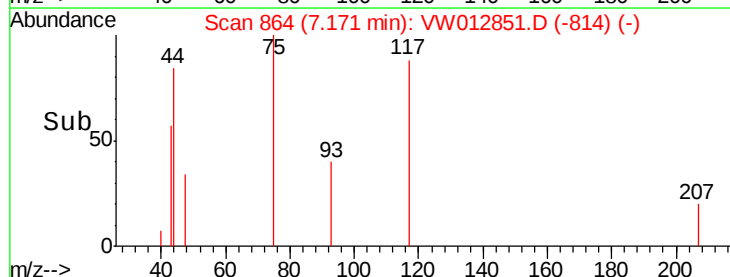
43 100

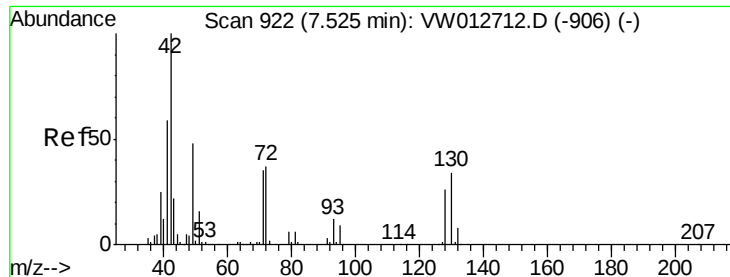
72 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 2.395 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW012851.D

Acq: 10 Sep 2019 04:56

Instrument :

MSVOA_W

ClientSampleId :

T11-E3-(0)

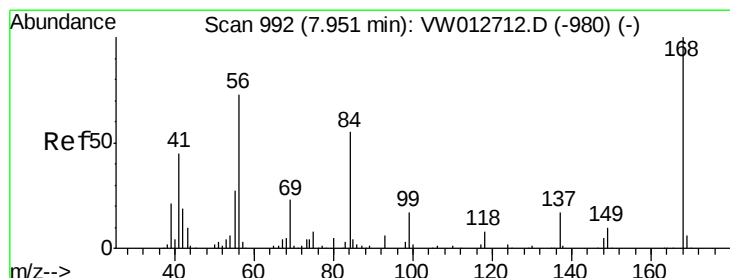
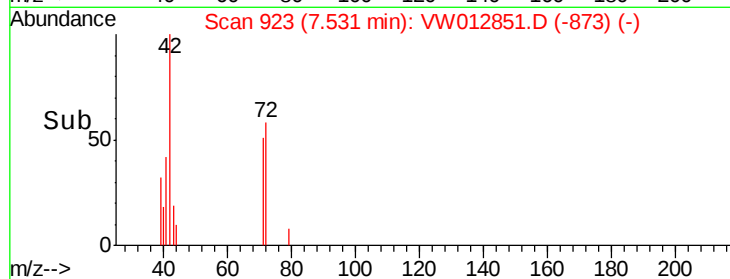
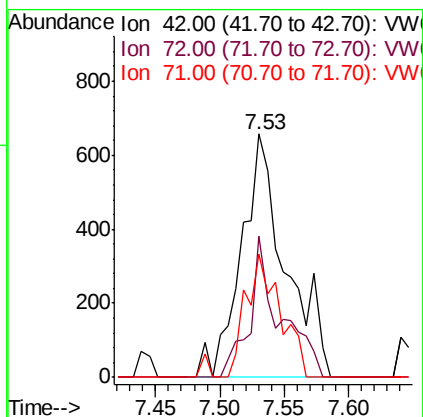
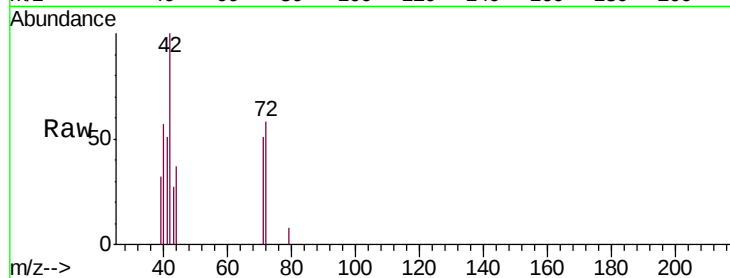
Tgt Ion: 42 Resp: 1569

Ion Ratio Lower Upper

42 100

72 39.7 28.4 42.6

71 39.2 27.1 40.7



#31

Cyclohexane

Concen: 1.317 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012851.D

Acq: 10 Sep 2019 04:56

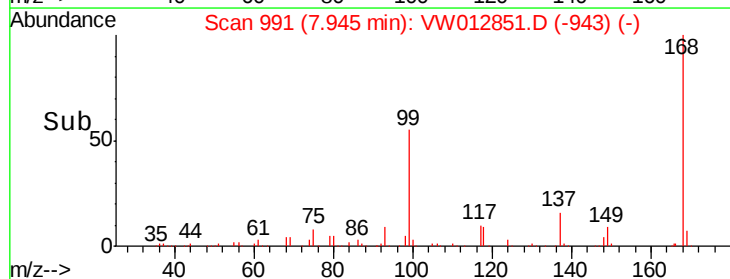
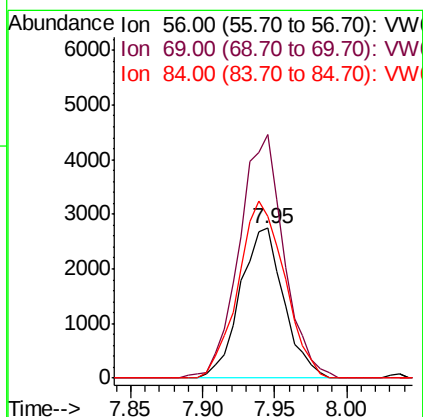
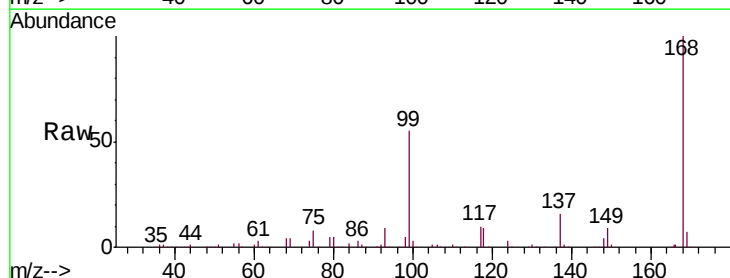
Tgt Ion: 56 Resp: 5763

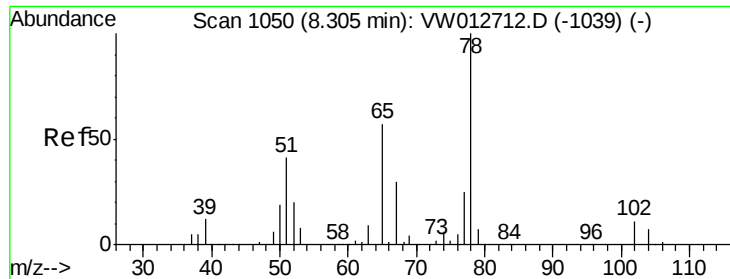
Ion Ratio Lower Upper

56 100

69 162.2 25.7 38.5#

84 107.6 60.4 90.6#

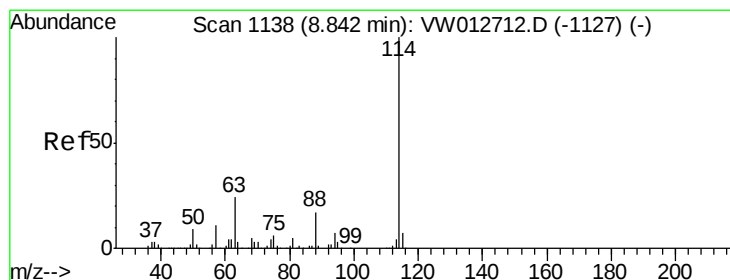
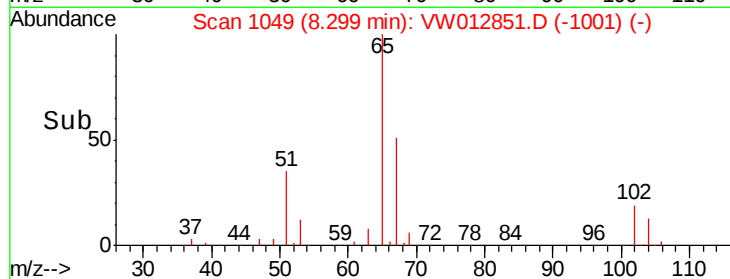
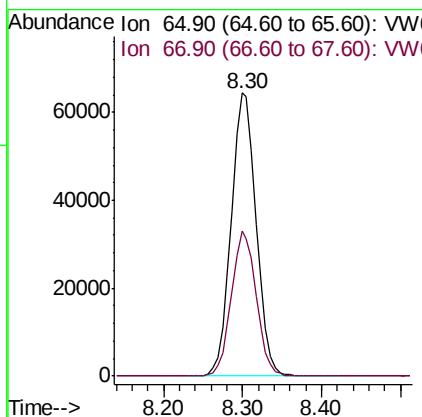
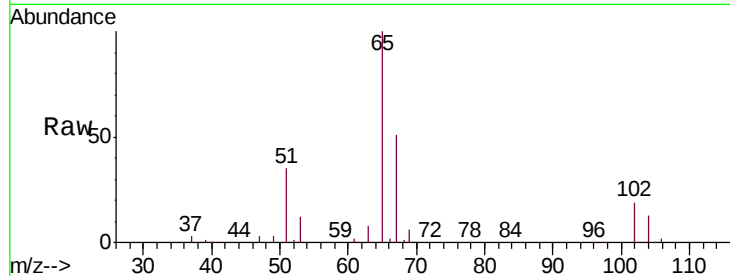




#33
 1,2-Dichloroethane-d4
 Concen: 47.663 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012851.D
 Acq: 10 Sep 2019 04:56

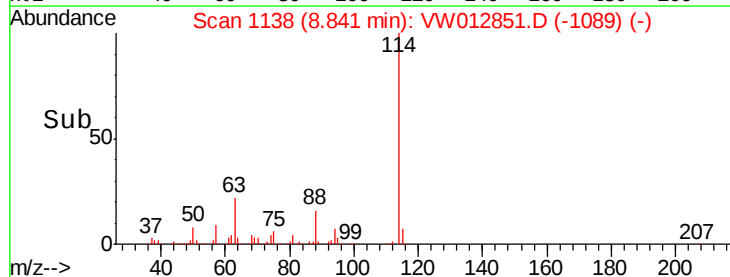
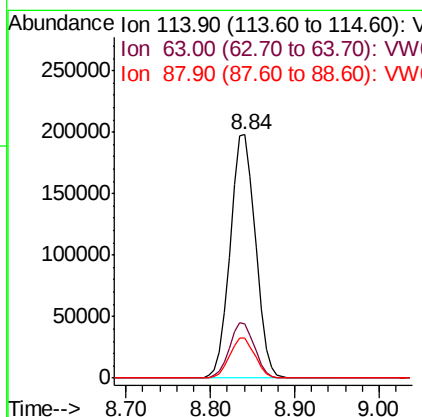
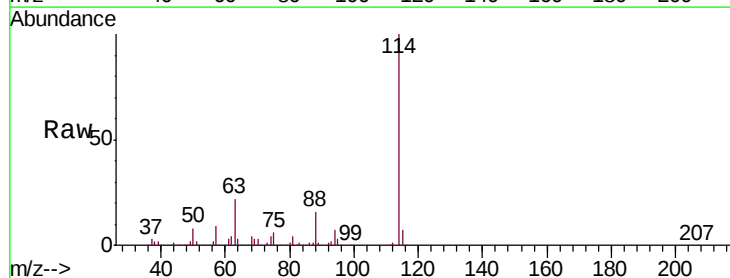
Instrument :
 MSVOA_W
 ClientSampleId :
 T11-E3-(0)

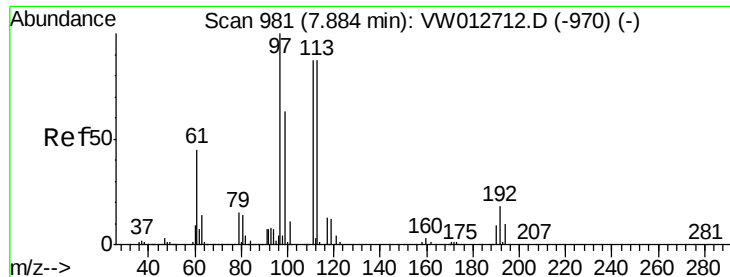
Tgt Ion: 65 Resp: 141843
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012851.D
 Acq: 10 Sep 2019 04:56

Tgt Ion: 114 Resp: 402039
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 47.2
 88 16.2 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.245 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012851.D

Acq: 10 Sep 2019 04:56

Instrument :

MSVOA_W

ClientSampleId :

T11-E3-(0)

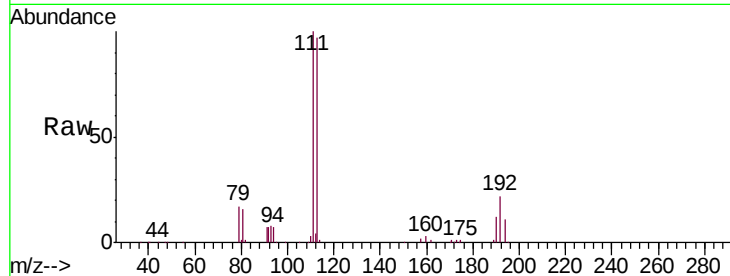
Tgt Ion:113 Resp: 117706

Ion Ratio Lower Upper

113 100

111 103.5 80.2 120.4

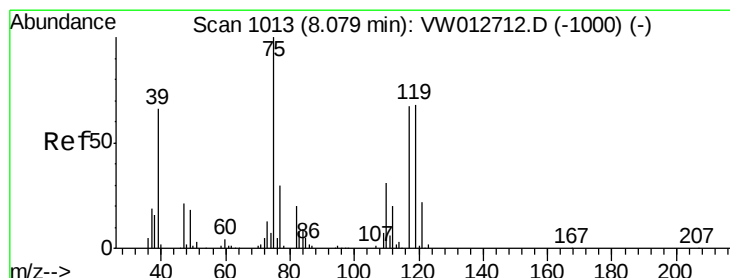
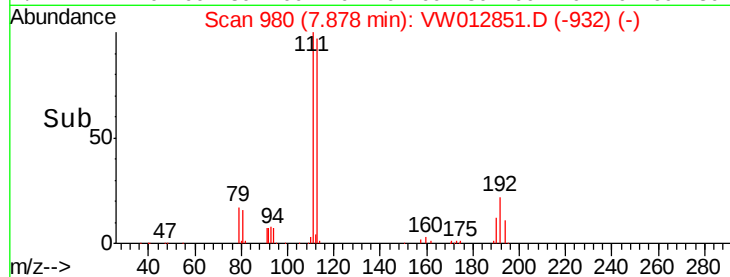
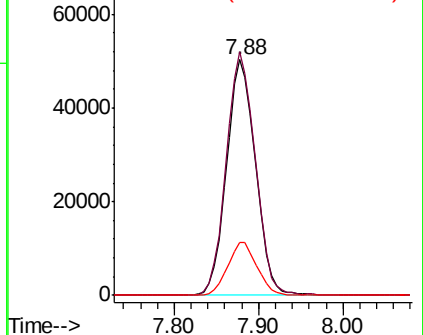
192 22.6 17.3 25.9



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: 5.666 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012851.D

Acq: 10 Sep 2019 04:56

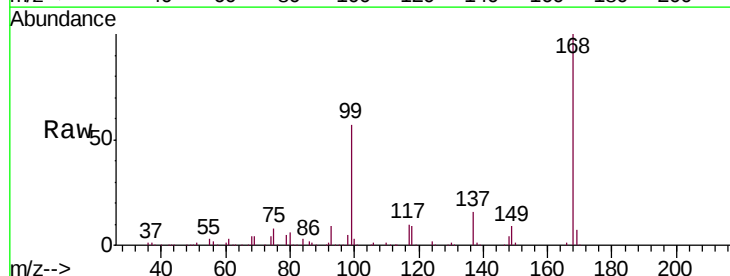
Tgt Ion: 75 Resp: 20241

Ion Ratio Lower Upper

75 100

110 9.0 15.9 47.7#

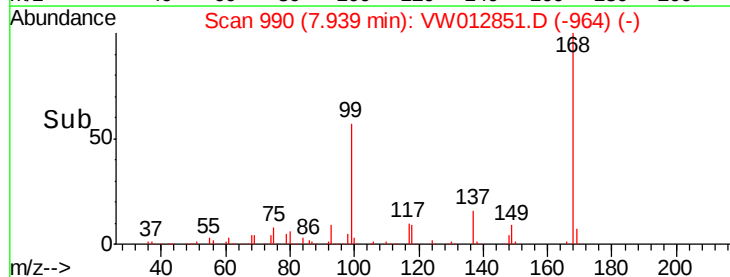
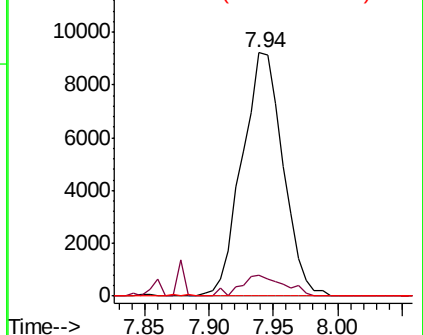
77 0.0 25.0 37.4#

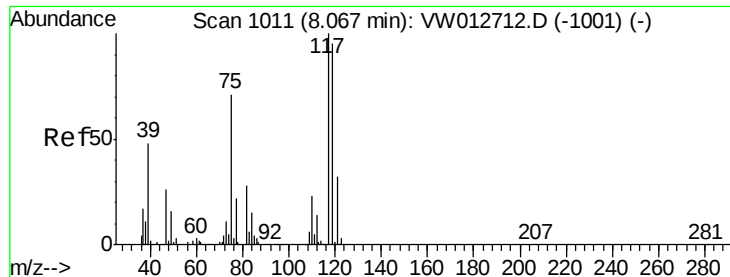


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.375 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012851.D

Acq: 10 Sep 2019 04:56

Instrument :

MSVOA_W

ClientSampleId :

T11-E3-(0)

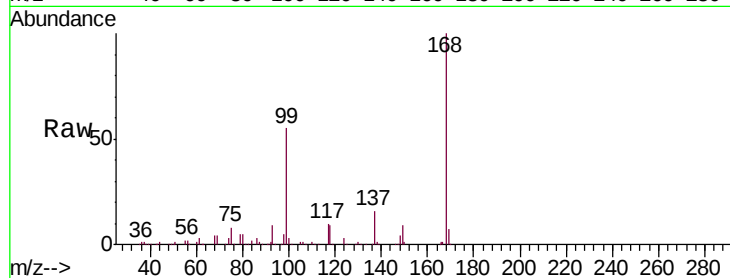
Tgt Ion:117 Resp: 25969

Ion Ratio Lower Upper

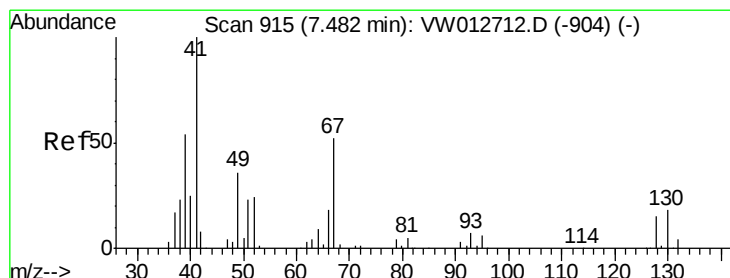
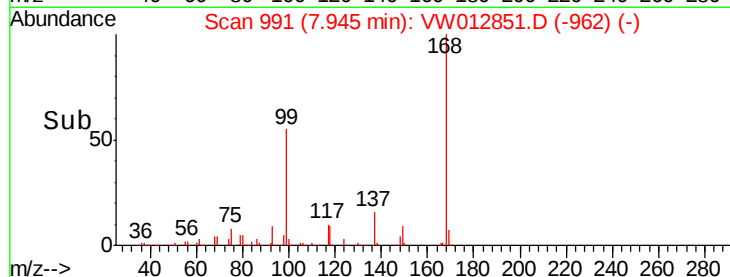
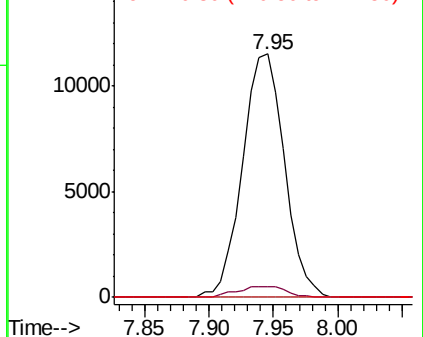
117 100

119 4.2 76.2 114.2#

121 0.0 25.4 38.2#



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



#41

Methacrylonitrile

Concen: 4.521 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012851.D

Acq: 10 Sep 2019 04:56

Tgt Ion: 41 Resp: 1144

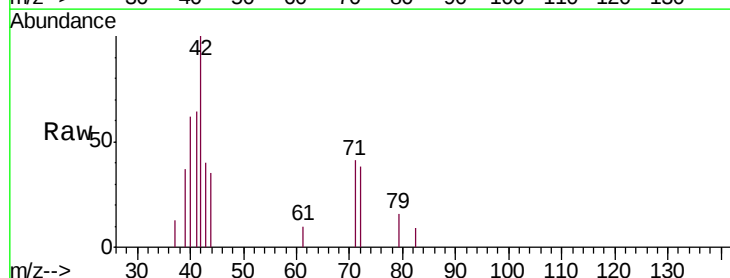
Ion Ratio Lower Upper

41 100

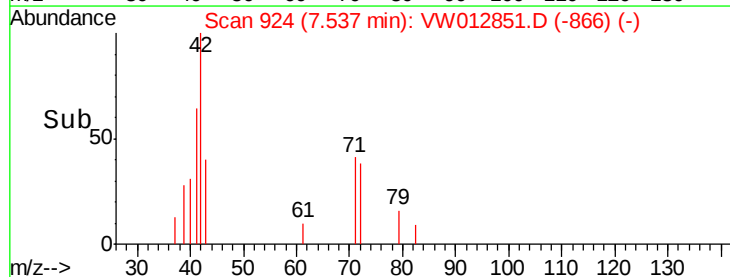
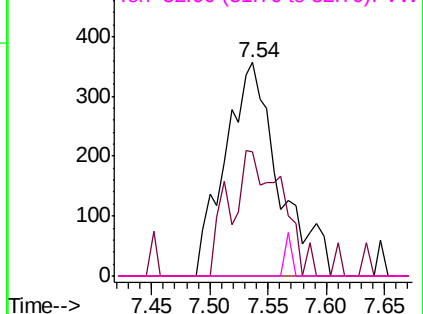
39 44.7 47.5 71.3#

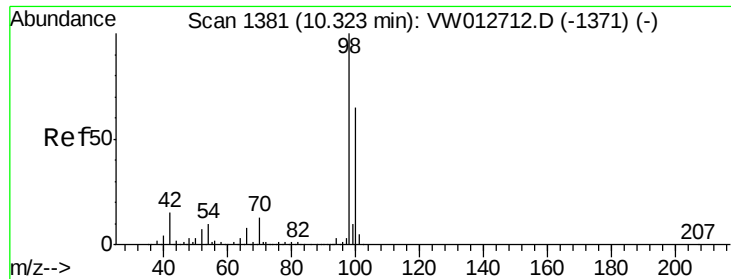
67 0.0 45.1 67.7#

52 0.0 20.2 30.2#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 48.836 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012851.D

Acq: 10 Sep 2019 04:56

Instrument :

MSVOA_W

ClientSampleId :

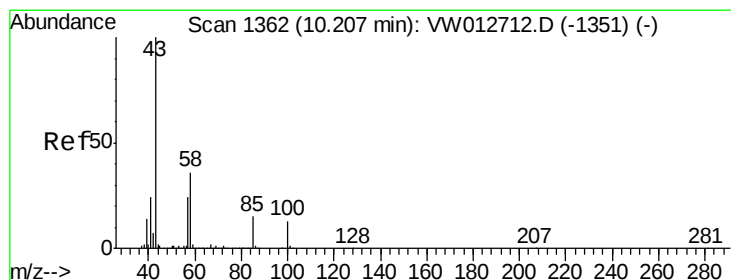
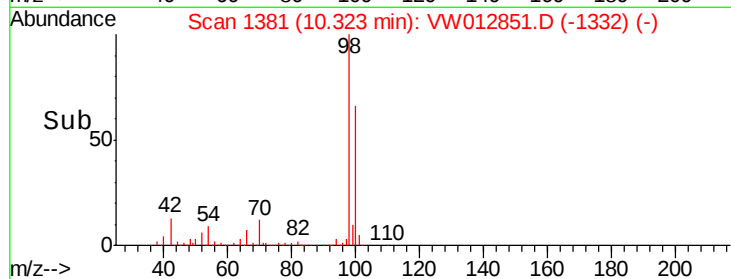
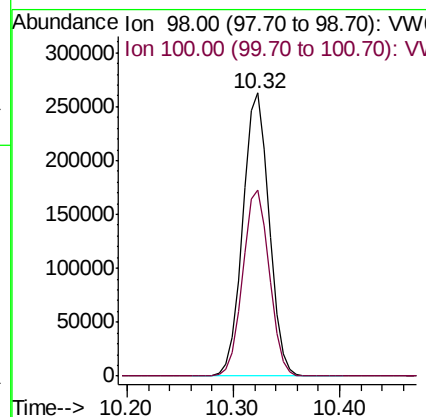
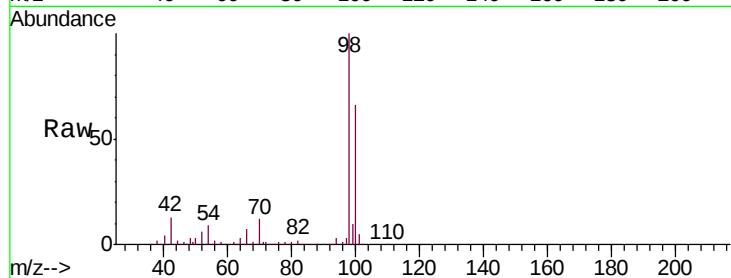
T11-E3-(0)

Tgt Ion: 98 Resp: 457321

Ion Ratio Lower Upper

98 100

100 66.2 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 1.083 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW012851.D

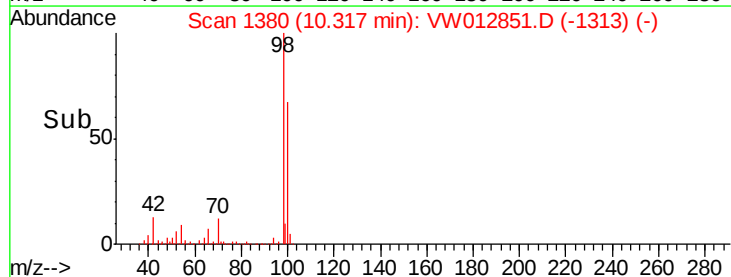
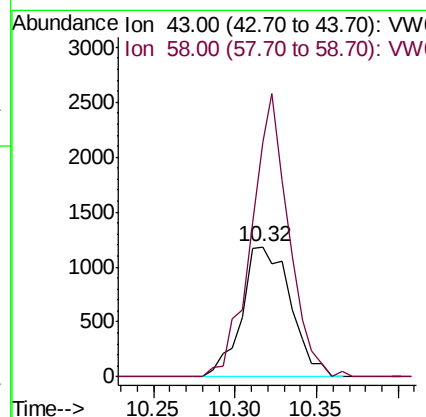
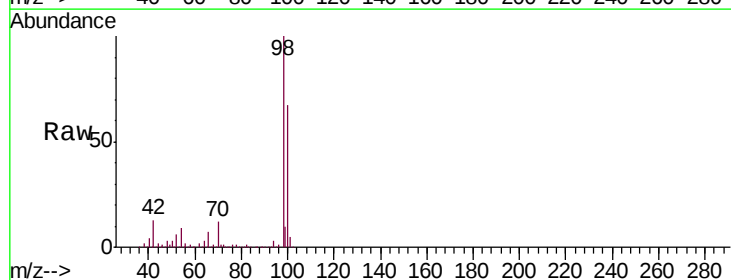
Acq: 10 Sep 2019 04:56

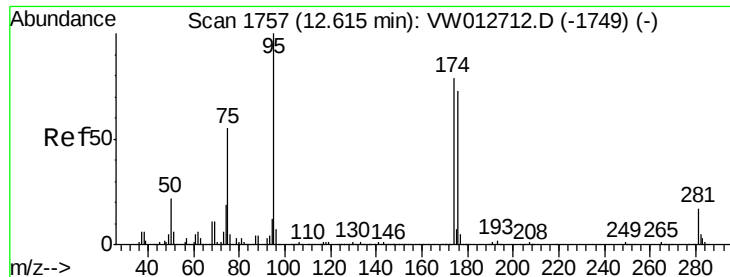
Tgt Ion: 43 Resp: 2452

Ion Ratio Lower Upper

43 100

58 168.1 28.4 42.6#

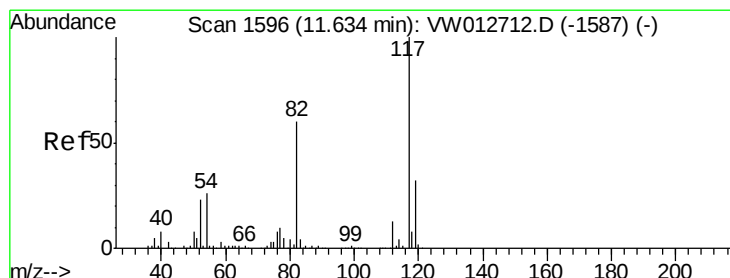
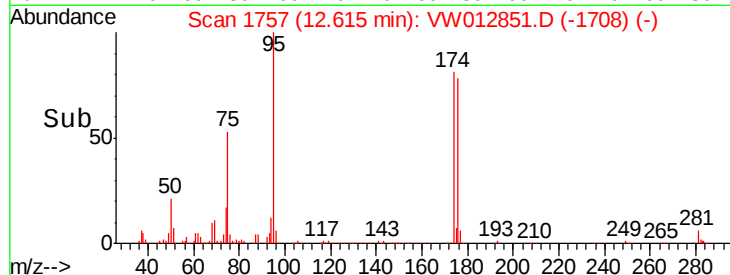
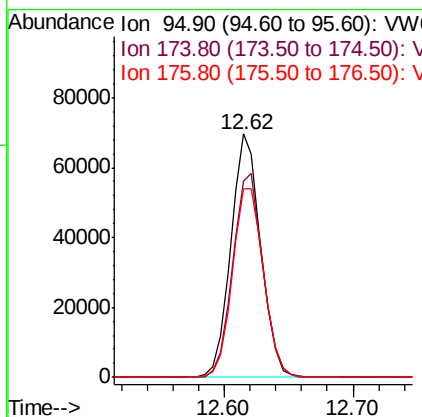
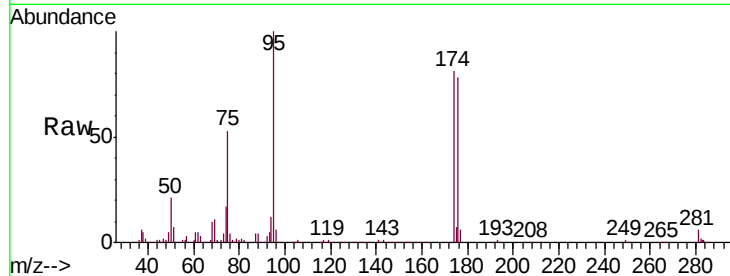




#62
4-Bromofluorobenzene
Concen: 32.938 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012851.D
Acq: 10 Sep 2019 04:56

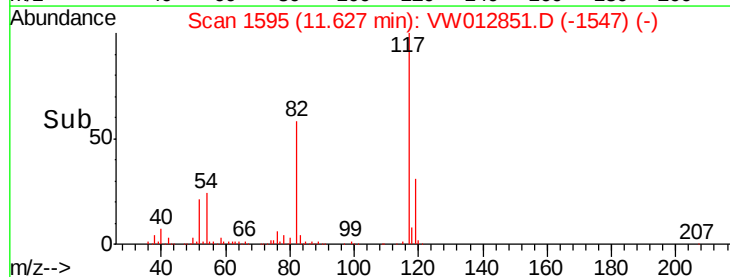
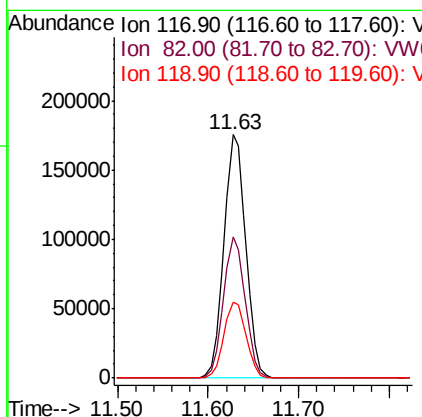
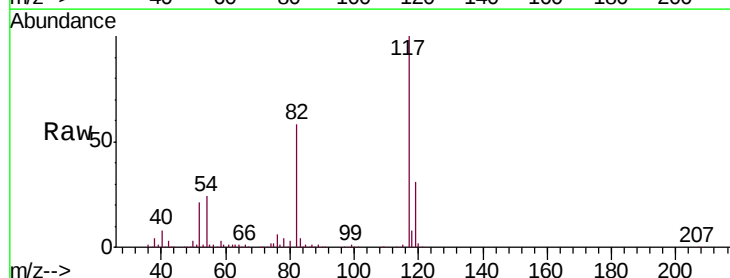
Instrument :
MSVOA_W
ClientSampleId :
T11-E3-(0)

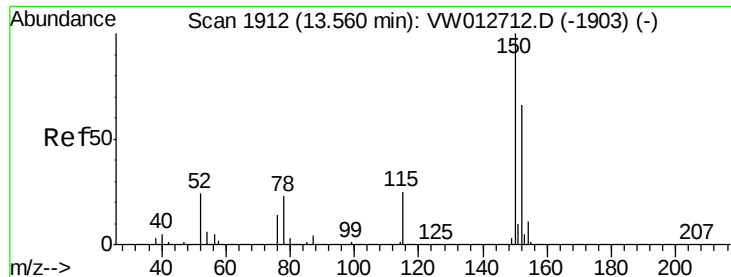
Tgt Ion: 95 Resp: 111974
Ion Ratio Lower Upper
95 100
174 84.6 0.0 161.0
176 81.1 0.0 156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012851.D
Acq: 10 Sep 2019 04:56

Tgt Ion: 117 Resp: 294111
Ion Ratio Lower Upper
117 100
82 57.9 48.2 72.4
119 31.3 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012851.D

Acq: 10 Sep 2019 04:56

Instrument :

MSVOA_W

ClientSampleId :

T11-E3-(0)

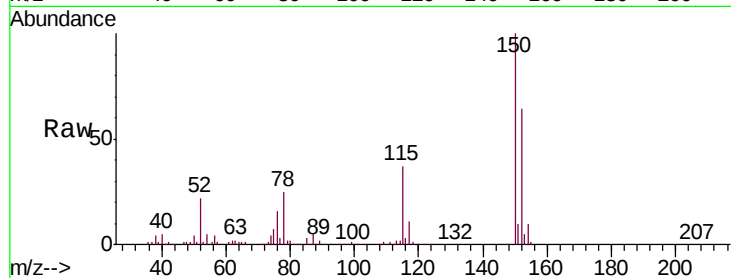
Tgt Ion:152 Resp: 79817

Ion Ratio Lower Upper

152 100

115 57.0 30.0 90.1

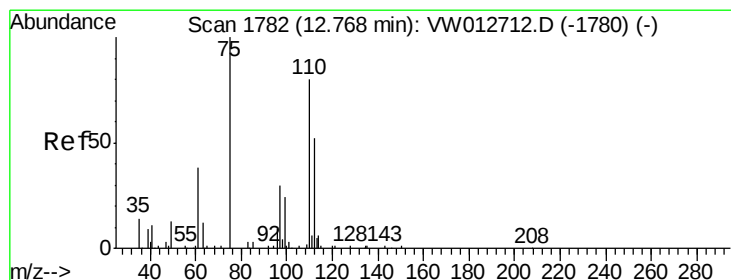
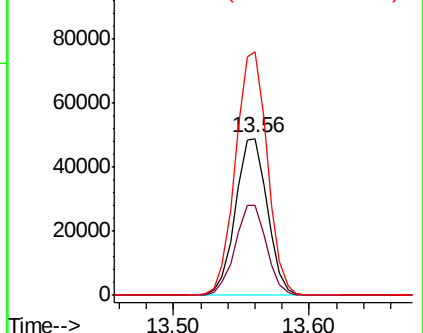
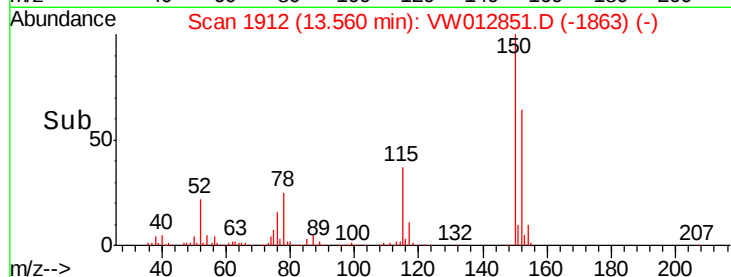
150 155.1 0.0 349.0



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: 70.714 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012851.D

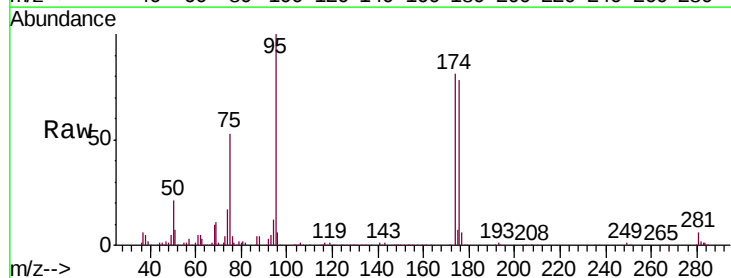
Acq: 10 Sep 2019 04:56

Tgt Ion: 75 Resp: 57714

Ion Ratio Lower Upper

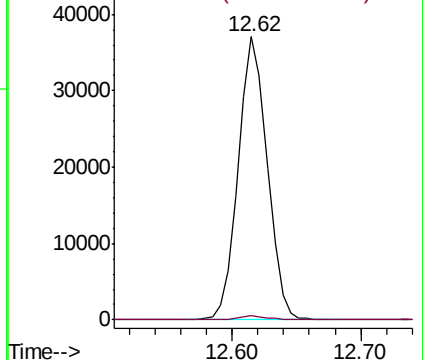
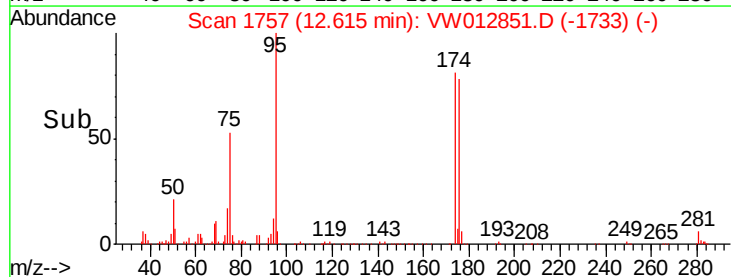
75 100

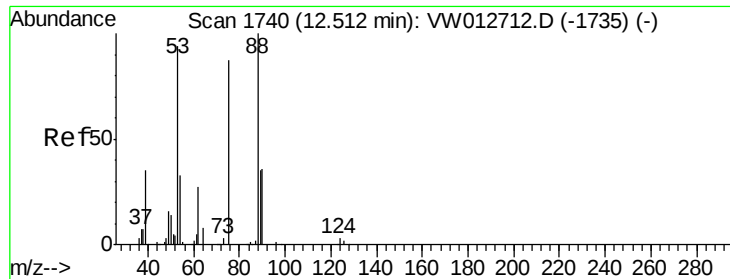
77 1.3 0.0 0.0#



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: 149.564 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012851.D

Acq: 10 Sep 2019 04:56

Instrument :

MSVOA_W

ClientSampleId :

T11-E3-(0)

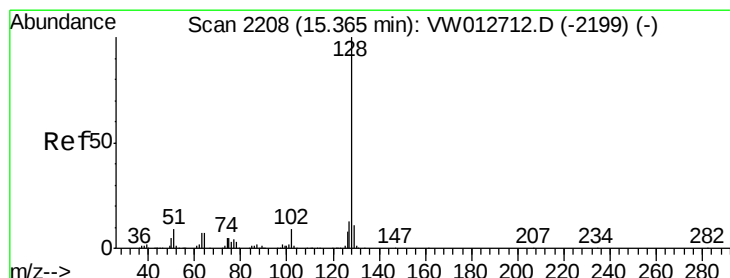
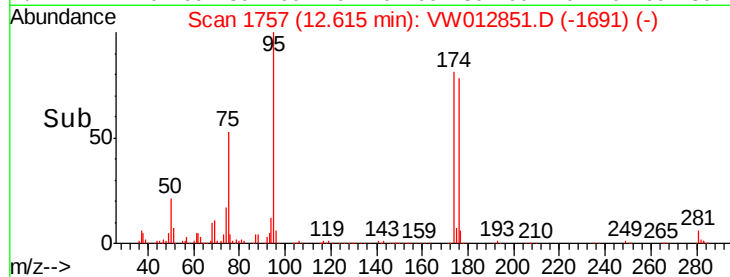
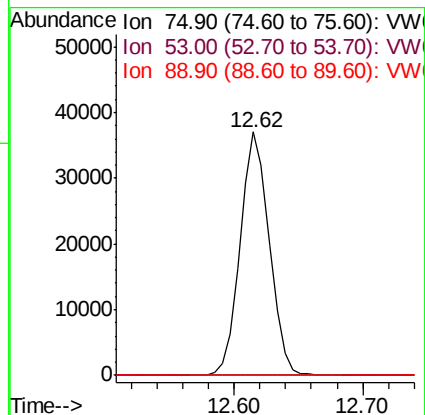
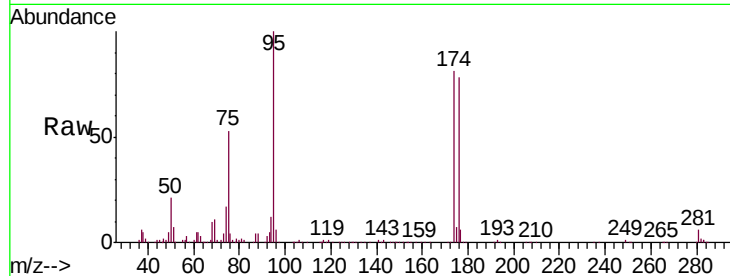
Tgt Ion: 75 Resp: 57714

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.0 35.5 53.3#



#95

Naphthalene

Concen: 4.458 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012851.D

Acq: 10 Sep 2019 04:56

Tgt Ion: 128 Resp: 70

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

