

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002555.D
 Acq On : 15 May 2018 17:23
 Operator : JC/SY
 Sample : J2888-05
 Misc : 5.00G/7ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RRT-N2

Quant Time: May 16 05:45:15 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

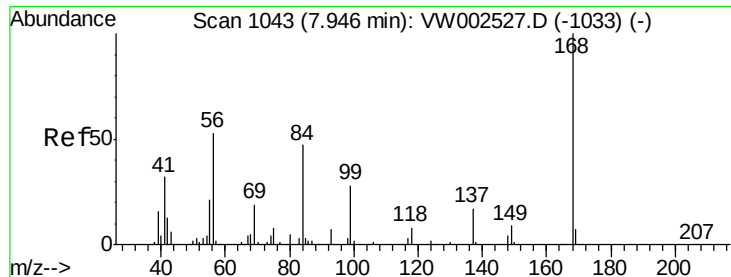
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	159486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	237292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	221044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	119742	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	70712	42.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.82%	
35) Dibromofluoromethane	7.88	113	18933	12.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.16%	
50) Toluene-d8	10.33	98	215726	37.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.34%	
62) 4-Bromofluorobenzene	12.63	95	83635	39.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	194	1.53	ug/l #	31
16) Acetone	4.13	43	4446	12.78	ug/l	99
20) Methylene Chloride	4.91	84	3398	Below Cal	#	81
25) 2-Butanone	7.17	43	1696	3.45	ug/l #	72
29) Tetrahydrofuran	7.53	42	494	1.61	ug/l #	49
31) Cyclohexane	7.95	56	3928	1.68	ug/l #	33
36) 1,1-Dichloropropene	7.95	75	11668	5.57	ug/l #	50
38) Carbon Tetrachloride	7.95	117	15144	7.39	ug/l #	19
49) 1,4-Dioxane	9.31	88	41	2.82	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	43866	38.75	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	43866	105.66	ug/l #	8

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

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Misc : 5.00G/7ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002555.D

Acq: 15 May 2018 17:23

Instrument :

MSVOA_W

ClientSampled :

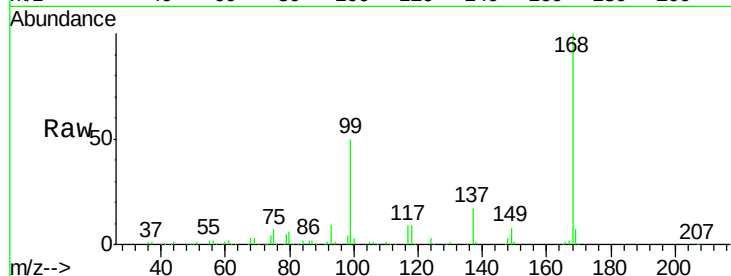
RRT-N2

Tgt Ion:168 Resp: 159486

Ion Ratio Lower Upper

168 100

99 49.8 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

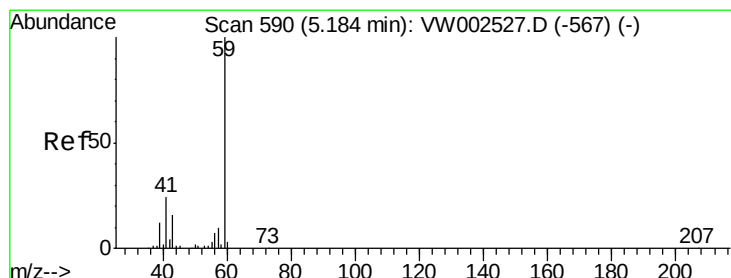
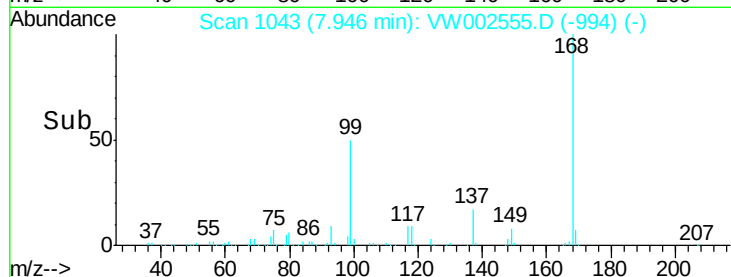
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 1.53 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.01 min

Lab File: VW002555.D

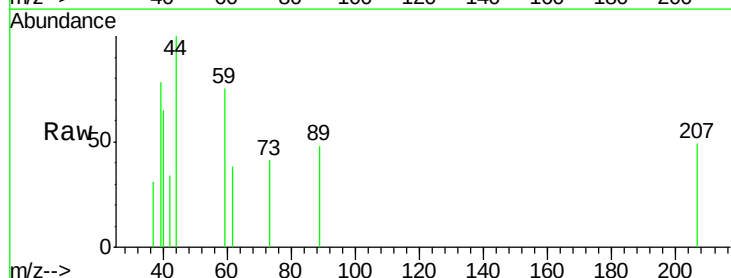
Acq: 15 May 2018 17:23

Tgt Ion: 59 Resp: 194

Ion Ratio Lower Upper

59 100

57 36.1 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

150

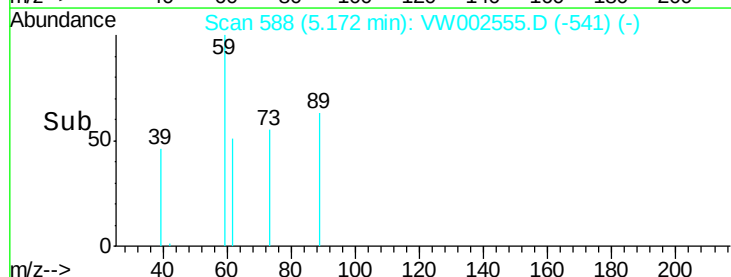
100

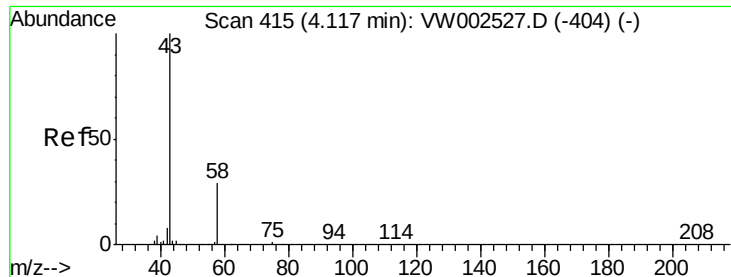
50

0

5.16 5.18 5.20

Time-->





#16

Acetone

Concen: 12.78 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW002555.D

Acq: 15 May 2018 17:23

Instrument :

MSVOA_W

ClientSampled :

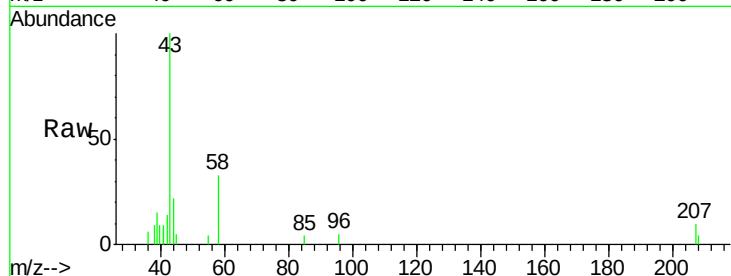
RRT-N2

Tgt Ion: 43 Resp: 4446

Ion Ratio Lower Upper

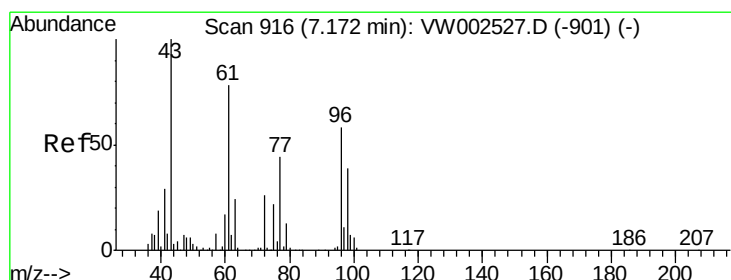
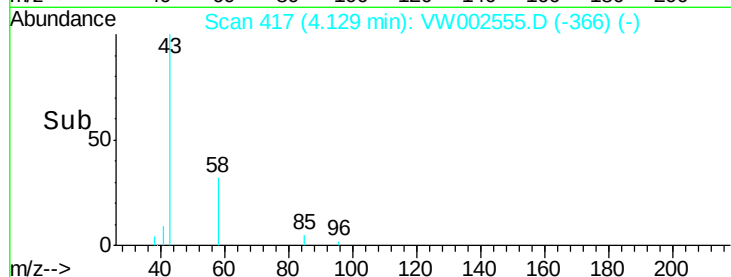
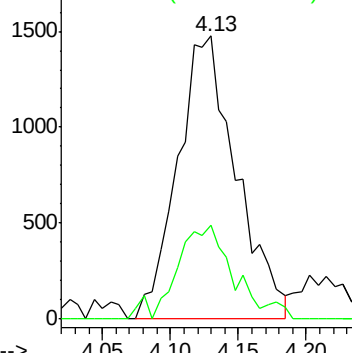
43 100

58 29.8 23.4 35.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 3.45 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW002555.D

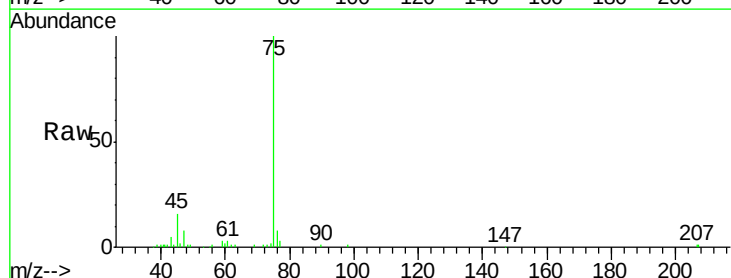
Acq: 15 May 2018 17:23

Tgt Ion: 43 Resp: 1696

Ion Ratio Lower Upper

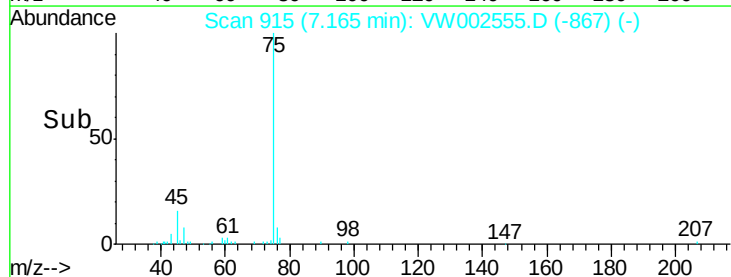
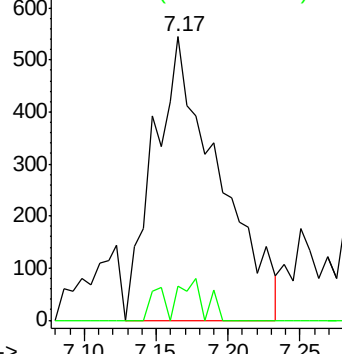
43 100

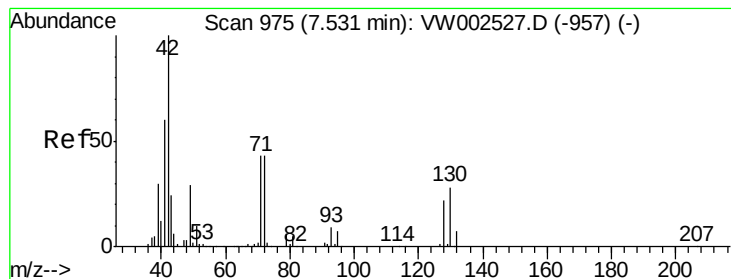
72 11.9 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.61 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.00 min

Lab File: VW002555.D

Acq: 15 May 2018 17:23

Instrument :

MSVOA_W

ClientSampled :

RRT-N2

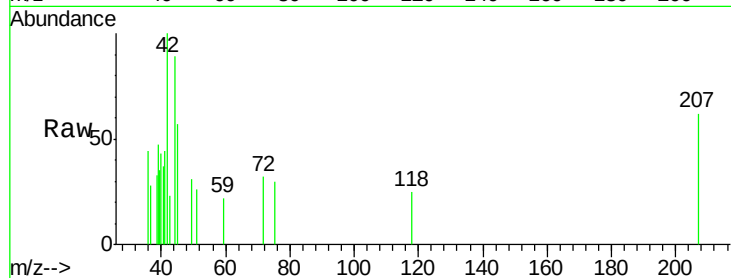
Tgt Ion: 42 Resp: 494

Ion Ratio Lower Upper

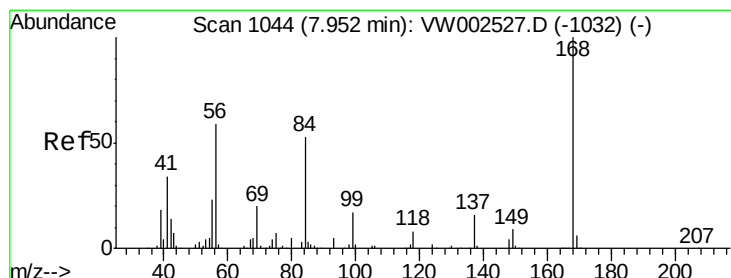
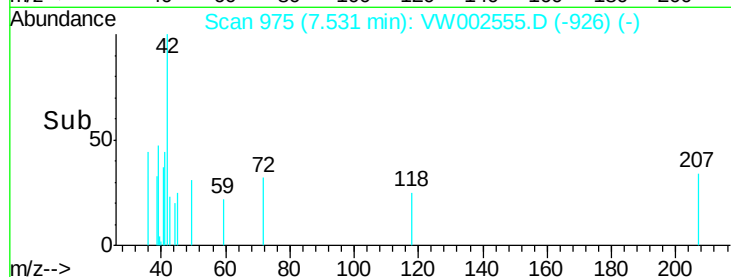
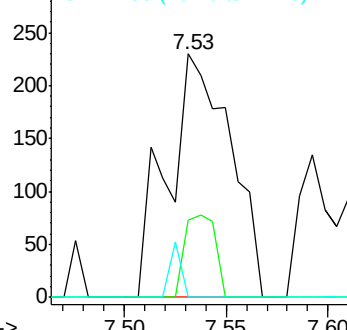
42 100

72 16.6 35.0 52.4#

71 3.8 33.0 49.6#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.68 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW002555.D

Acq: 15 May 2018 17:23

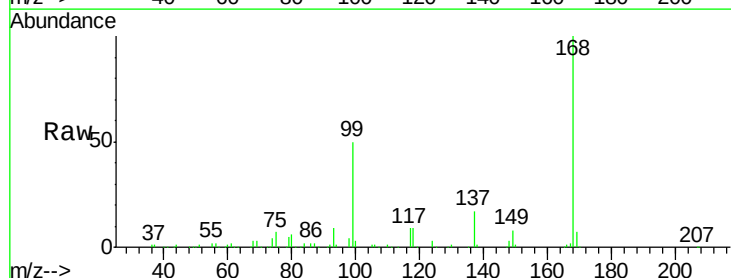
Tgt Ion: 56 Resp: 3928

Ion Ratio Lower Upper

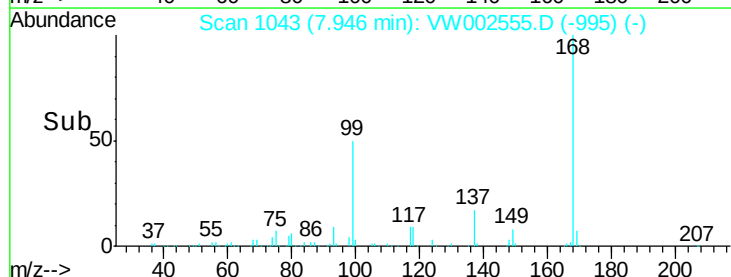
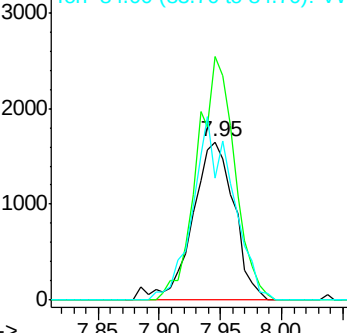
56 100

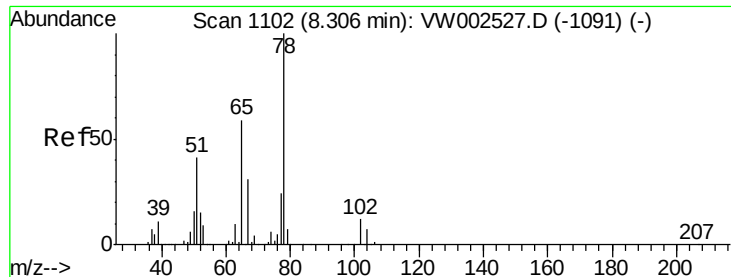
69 153.8 27.0 40.4#

84 77.4 72.2 108.2



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

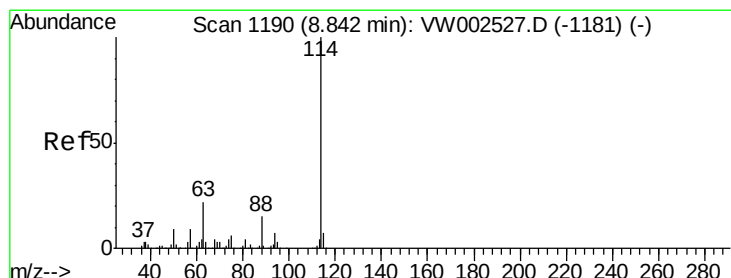
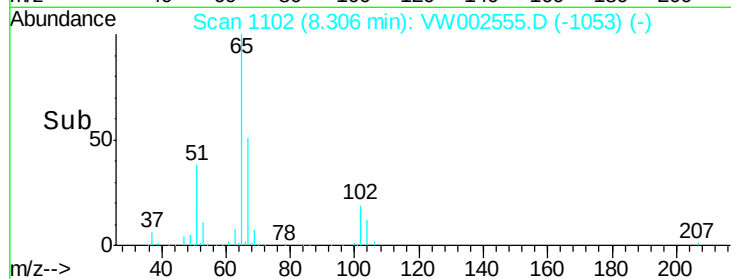
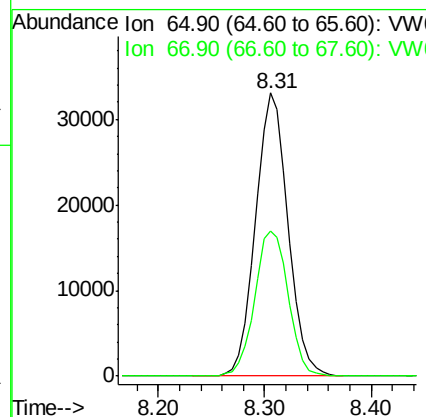
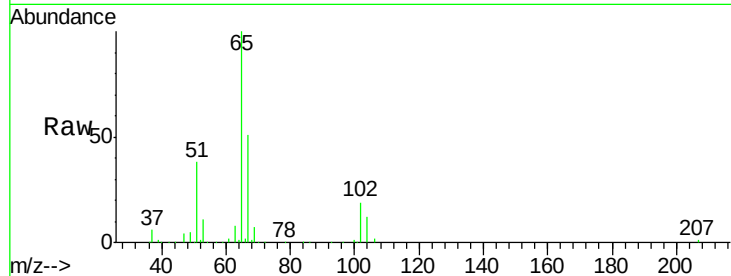




#33
 1,2-Dichloroethane-d4
 Concen: 42.91 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002555.D
 Acq: 15 May 2018 17:23

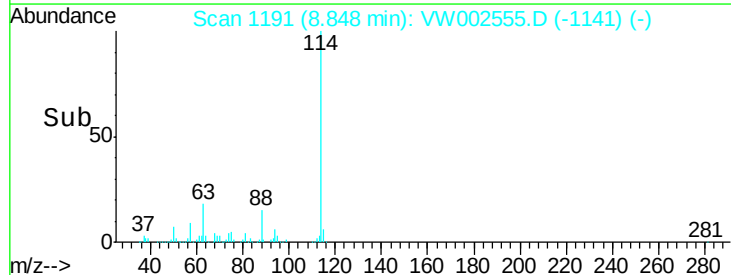
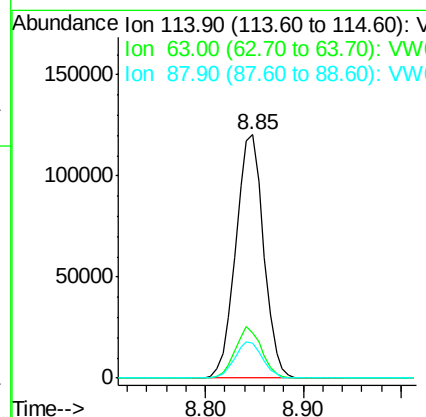
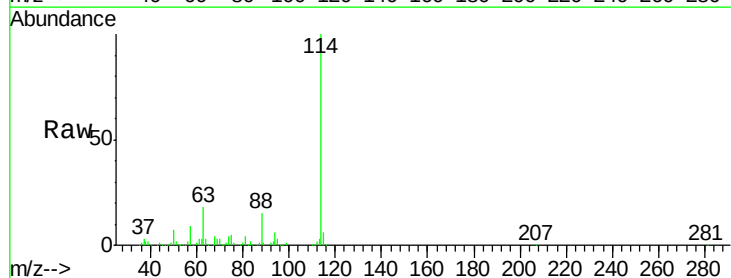
Instrument :
 MSVOA_W
 ClientSampleId :
 RRT-N2

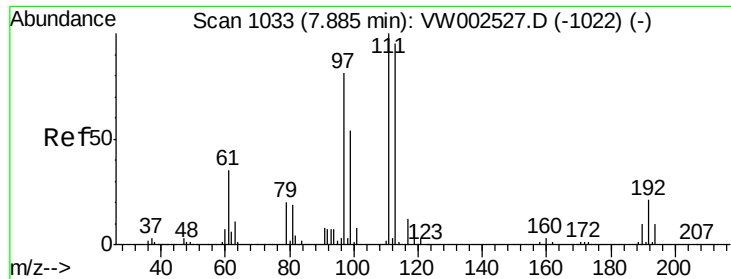
Tgt Ion: 65 Resp: 70712
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002555.D
 Acq: 15 May 2018 17:23

Tgt Ion: 114 Resp: 237292
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 43.2
 88 14.5 0.0 29.2

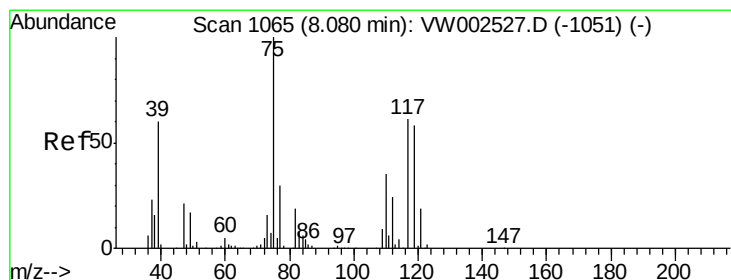
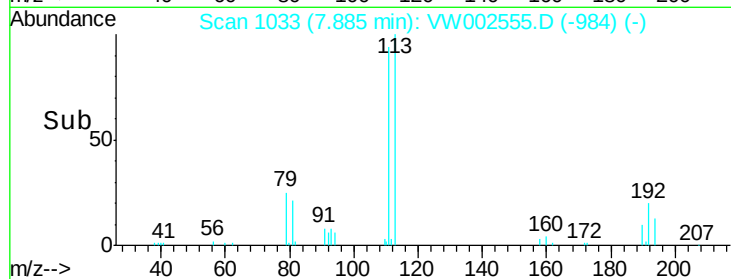
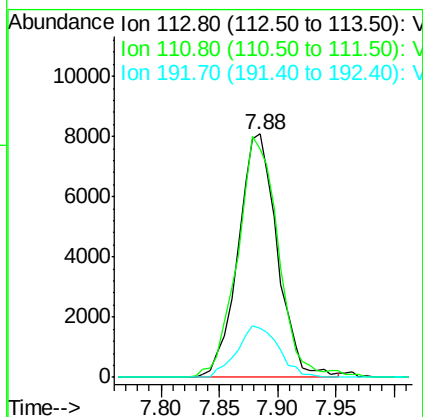
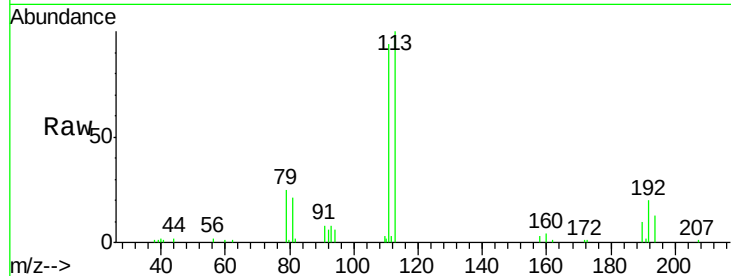




#35
 Dibromofluoromethane
 Concen: 12.58 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002555.D
 Acq: 15 May 2018 17:23

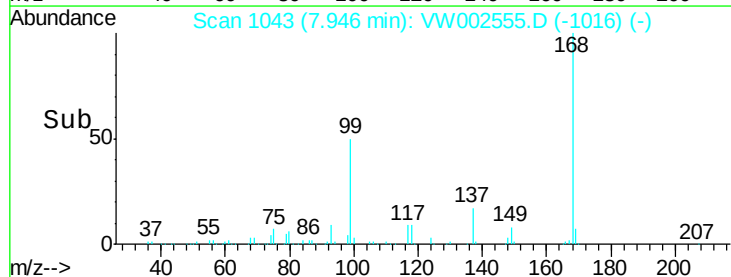
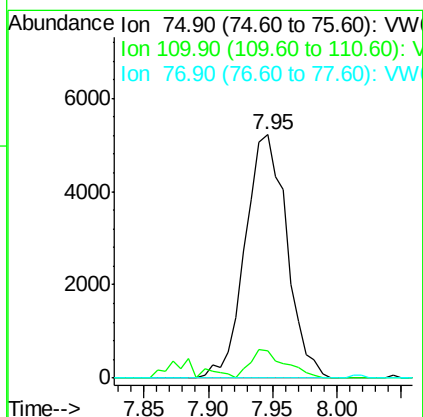
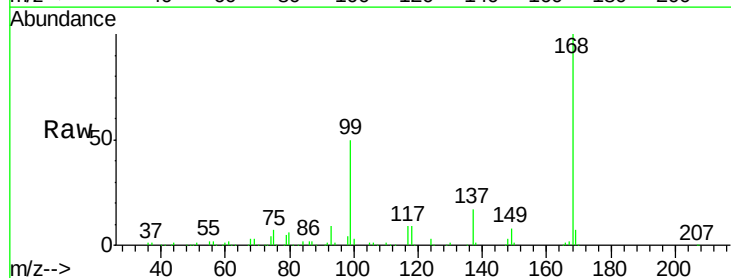
Instrument :
 MSVOA_W
 ClientSampled :
 RRT-N2

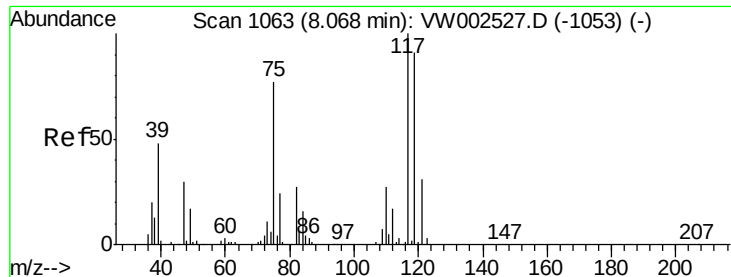
Tgt Ion:113 Resp: 18933
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.8 122.8
 192 22.4 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 5.57 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002555.D
 Acq: 15 May 2018 17:23

Tgt Ion: 75 Resp: 11668
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.8 53.5#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 7.39 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW002555.D

Acq: 15 May 2018 17:23

Instrument :

MSVOA_W

ClientSampled :

RRT-N2

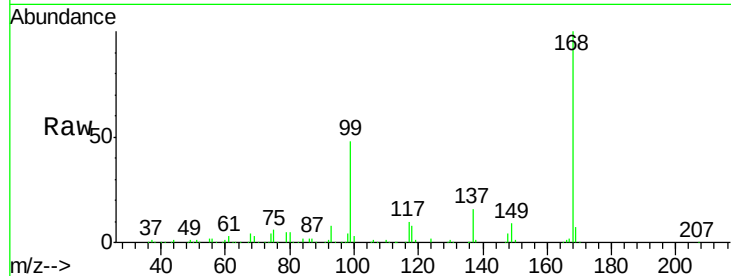
Tgt Ion: 117 Resp: 15144

Ion Ratio Lower Upper

117 100

119 6.5 73.1 109.7#

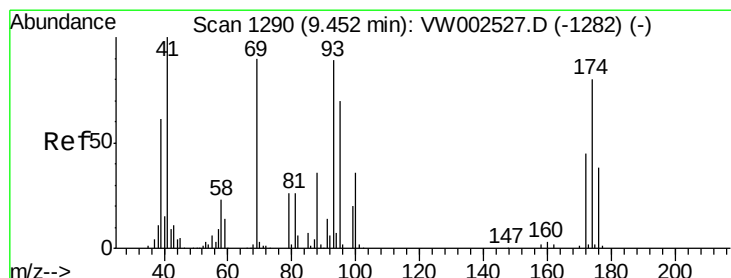
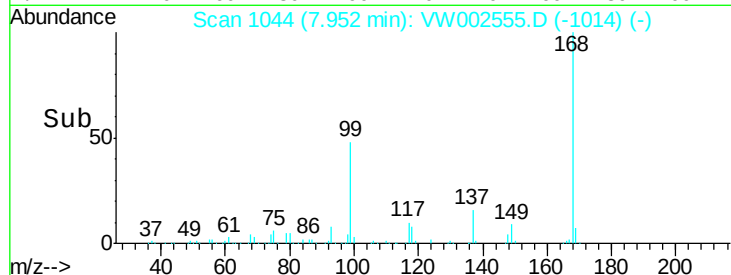
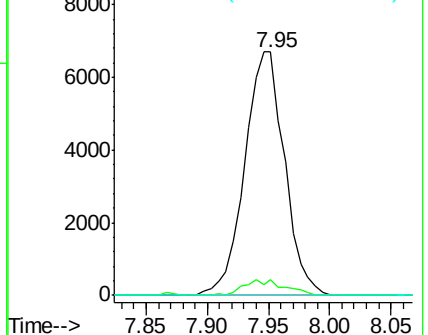
121 0.0 24.4 36.6#



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



#49

1,4-Dioxane

Concen: 2.82 ug/l

RT: 9.31 min Scan# 1266

Delta R.T. -0.15 min

Lab File: VW002555.D

Acq: 15 May 2018 17:23

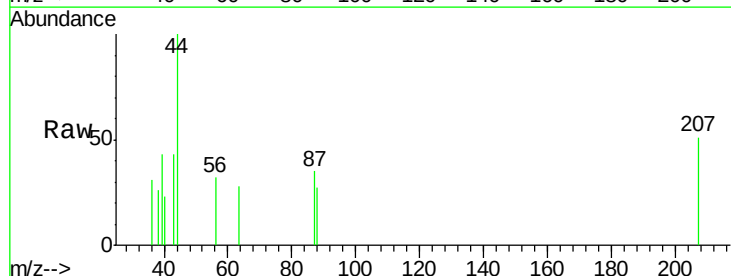
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 382.9 27.0 40.4#

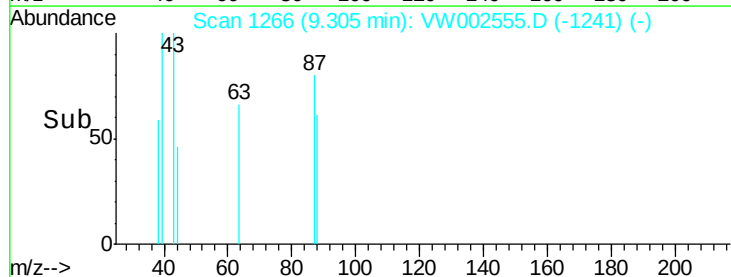
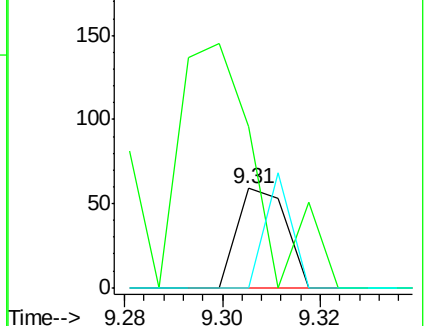
58 61.0 56.9 85.3

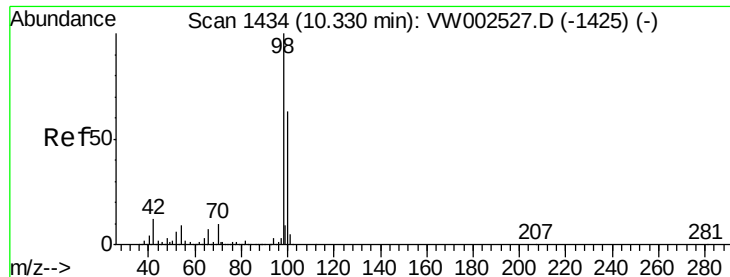


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 37.67 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002555.D

Acq: 15 May 2018 17:23

Instrument :

MSVOA_W

ClientSampled :

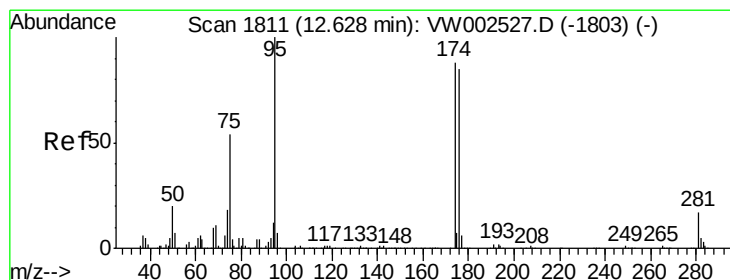
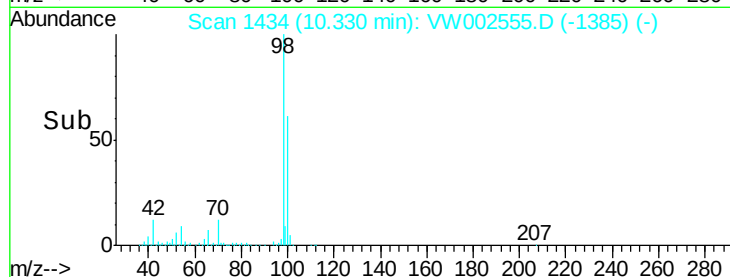
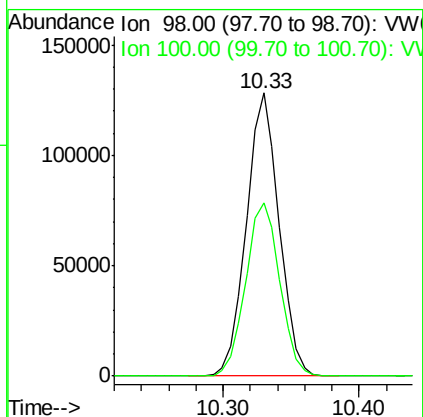
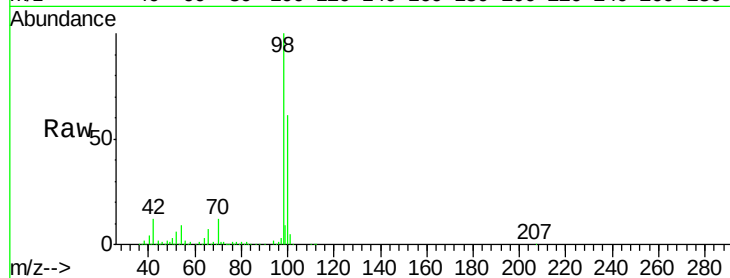
RRT-N2

Tgt Ion: 98 Resp: 215726

Ion Ratio Lower Upper

98 100

100 63.9 51.0 76.4



#62

4-Bromofluorobenzene

Concen: 39.94 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002555.D

Acq: 15 May 2018 17:23

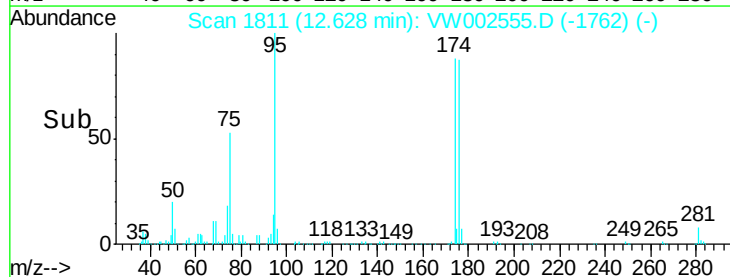
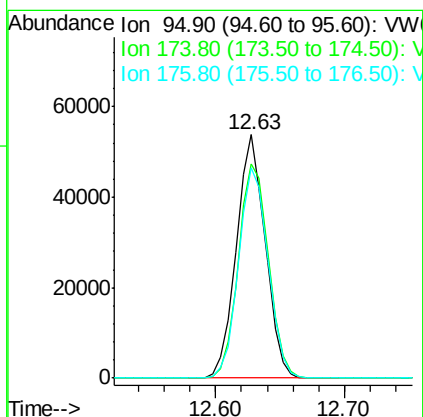
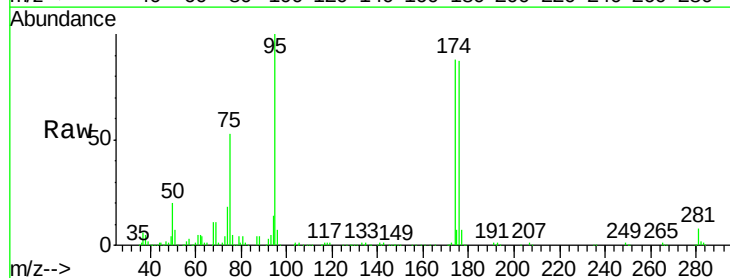
Tgt Ion: 95 Resp: 83635

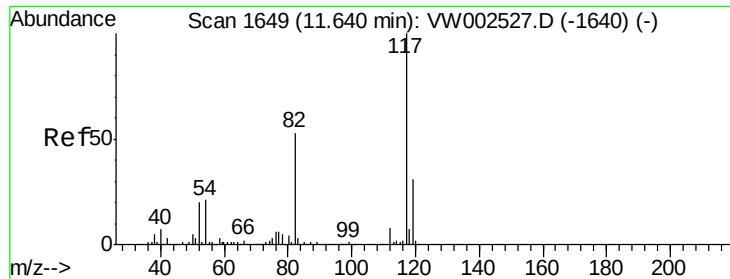
Ion Ratio Lower Upper

95 100

174 91.2 0.0 176.6

176 87.9 0.0 172.2

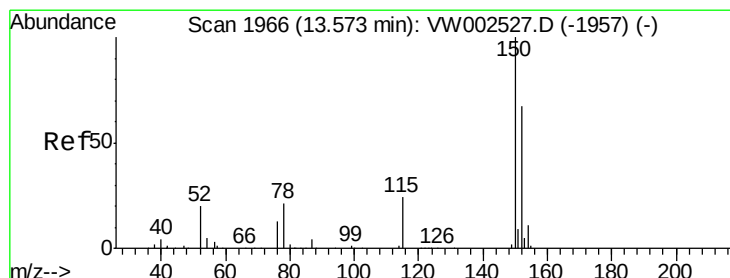
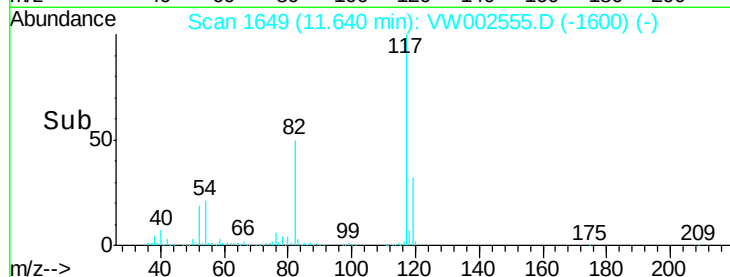
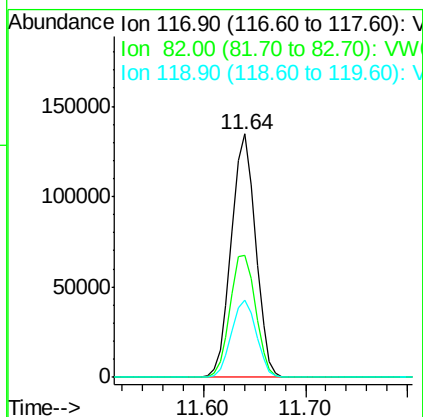
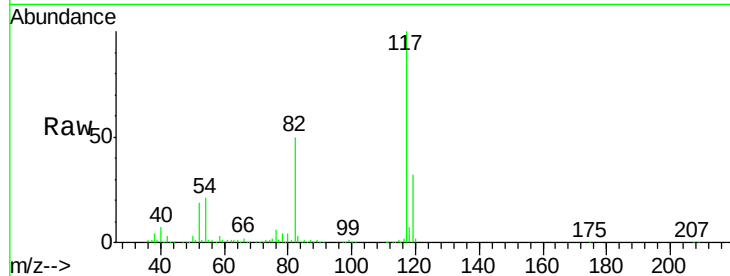




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002555.D
Acq: 15 May 2018 17:23

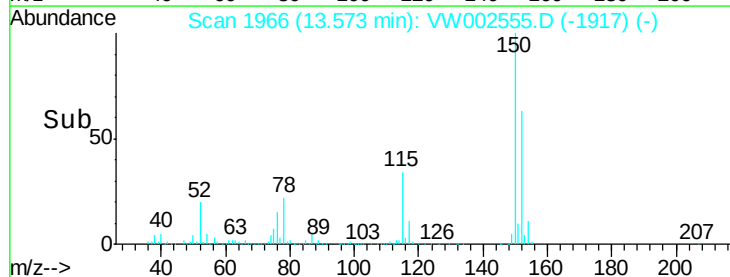
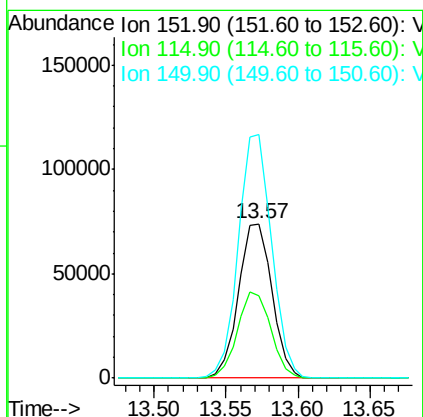
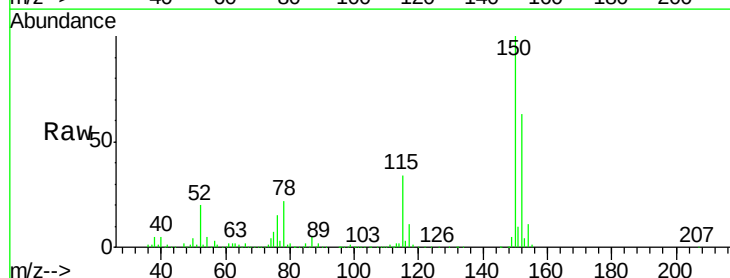
Instrument :
MSVOA_W
ClientSampleId :
RRT-N2

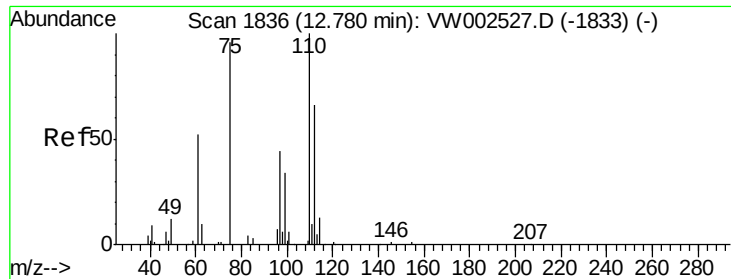
Tgt Ion:117 Resp: 221044
Ion Ratio Lower Upper
117 100
82 50.3 42.6 64.0
119 31.5 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002555.D
Acq: 15 May 2018 17:23

Tgt Ion:152 Resp: 119742
Ion Ratio Lower Upper
152 100
115 55.7 28.0 84.0
150 156.4 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 38.75 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002555.D

Acq: 15 May 2018 17:23

Instrument :

MSVOA_W

ClientSampled :

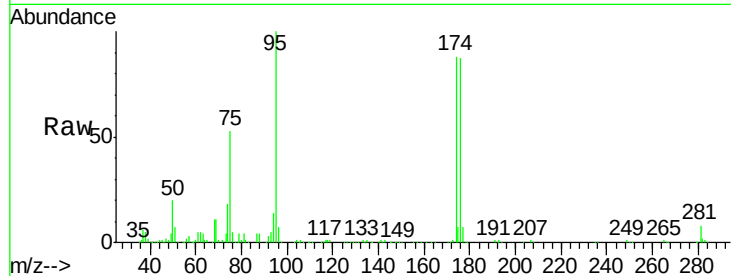
RRT-N2

Tgt Ion: 75 Resp: 43866

Ion Ratio Lower Upper

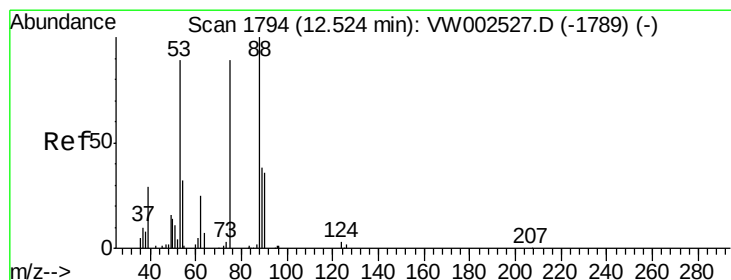
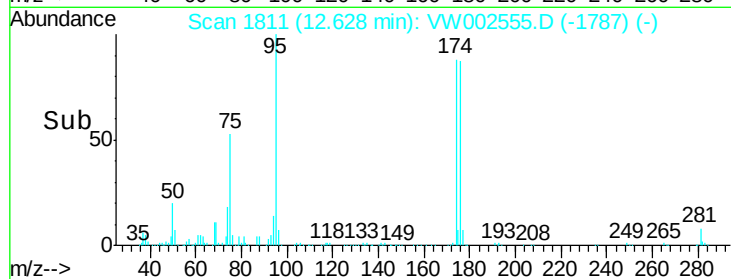
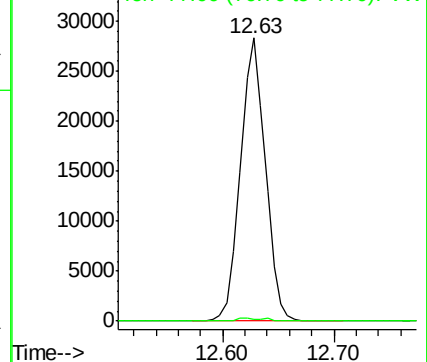
75 100

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: 105.66 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002555.D

Acq: 15 May 2018 17:23

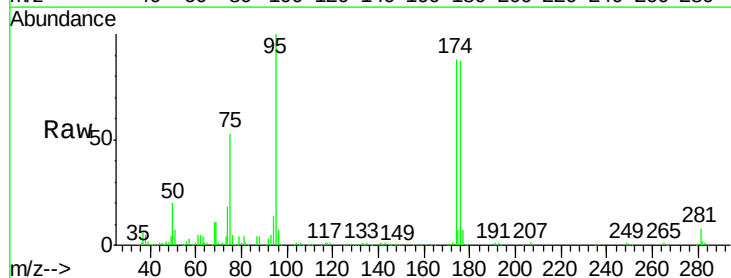
Tgt Ion: 75 Resp: 43866

Ion Ratio Lower Upper

75 100

53 0.2 82.6 124.0#

89 0.0 39.2 58.8#



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

