

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002557.D
 Acq On : 15 May 2018 18:13
 Operator : JC/SY
 Sample : J2888-13
 Misc : 5.11G/9ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RRT-S2

Quant Time: May 16 05:46:02 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	152750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	231798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	220120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	116105	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	71874	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	
35) Dibromofluoromethane	7.88	113	62888	42.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.54%	
50) Toluene-d8	10.33	98	209188	37.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.78%	
62) 4-Bromofluorobenzene	12.63	95	81684	39.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.86%	

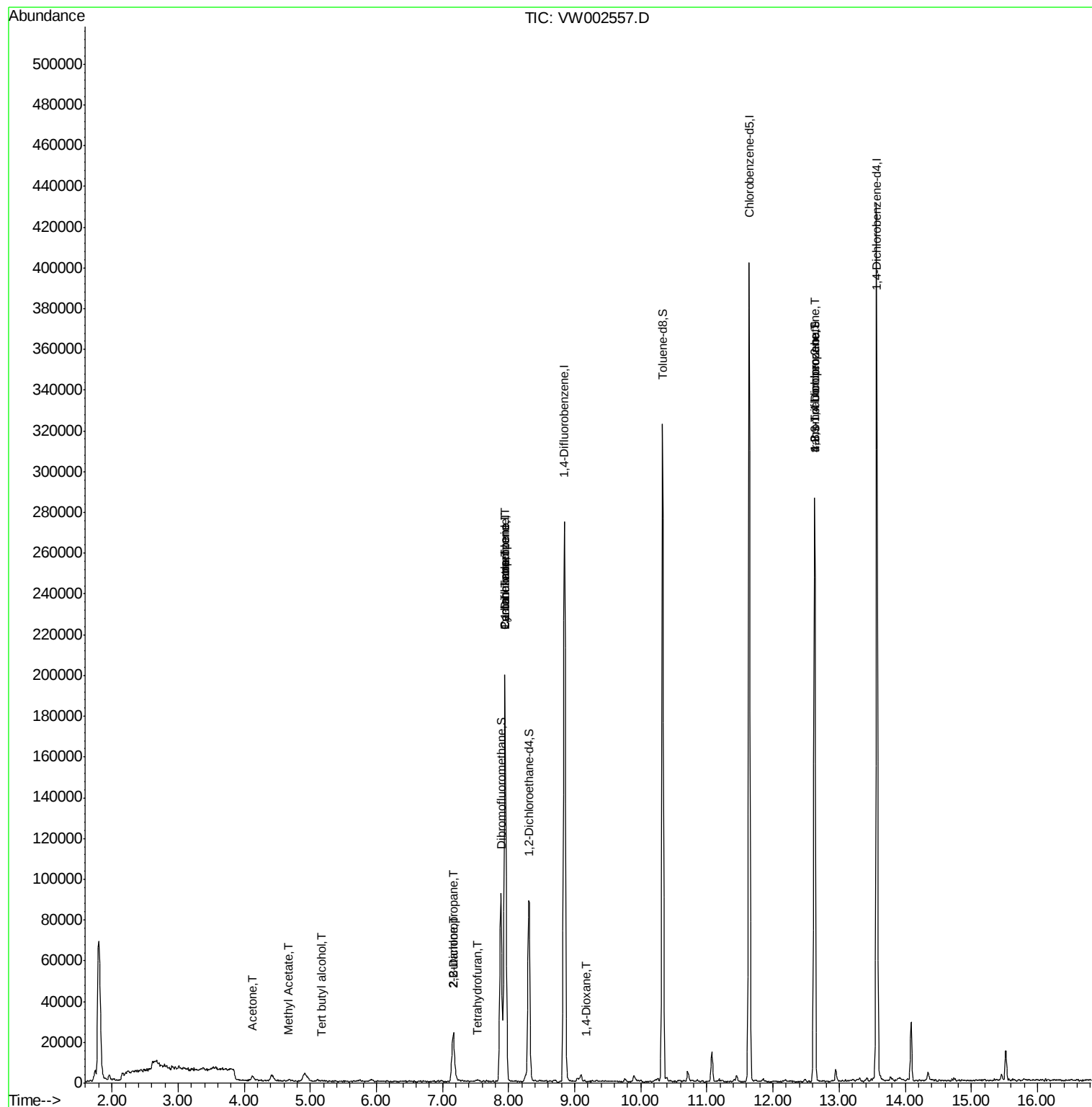
Target Compounds						Qvalue
11) Tert butyl alcohol	5.17	59	287	2.37	ug/l #	91
16) Acetone	4.12	43	4627	13.88	ug/l #	89
18) Methyl Acetate	4.68	43	1583	1.63	ug/l #	75
20) Methylene Chloride	4.90	84	1239	Below Cal	#	77
25) 2-Butanone	7.15	43	977	2.07	ug/l #	79
26) 2,2-Dichloropropane	7.17	77	1819	1.28	ug/l #	51
29) Tetrahydrofuran	7.53	42	302	1.03	ug/l #	51
31) Cyclohexane	7.95	56	3334	1.49	ug/l #	17
36) 1,1-Dichloropropene	7.94	75	11227	5.49	ug/l #	51
38) Carbon Tetrachloride	7.95	117	14794	7.39	ug/l #	17
49) 1,4-Dioxane	9.18	88	19	1.34	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	42966	39.15	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	42966	106.74	ug/l #	8

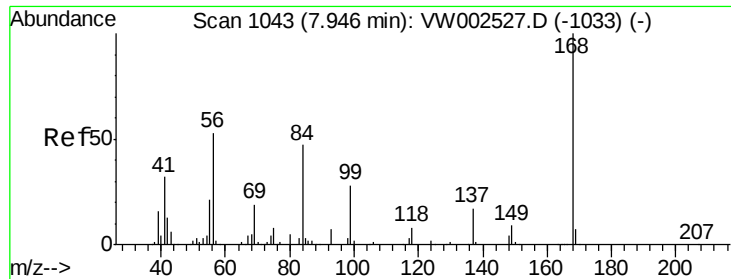
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002557.D

Acq: 15 May 2018 18:13

Instrument :

MSVOA_W

ClientSampleId :

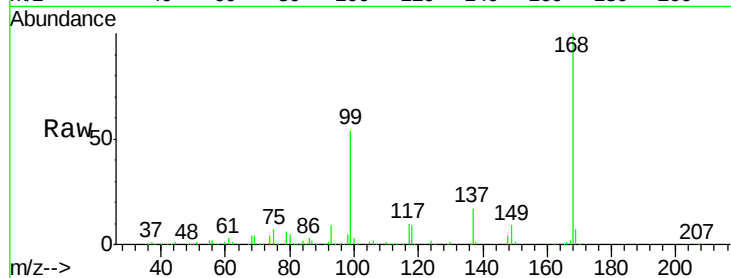
RRT-S2

Tgt Ion:168 Resp: 152750

Ion Ratio Lower Upper

168 100

99 53.8 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

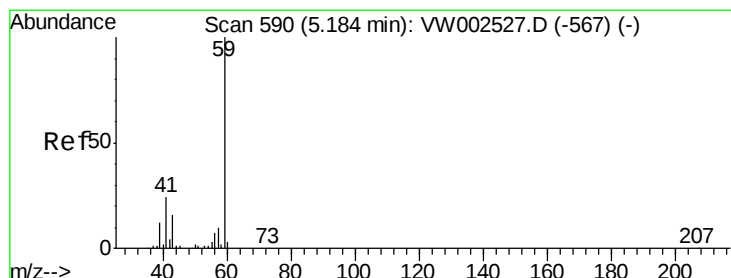
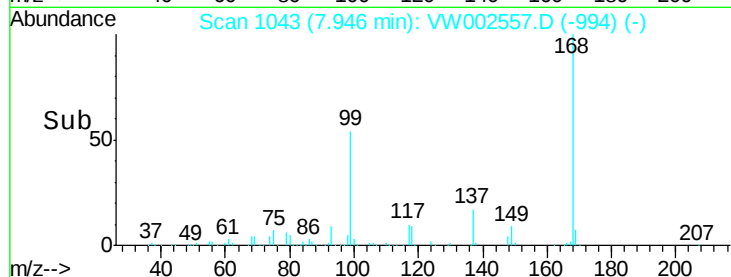
40000

20000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 2.37 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.01 min

Lab File: VW002557.D

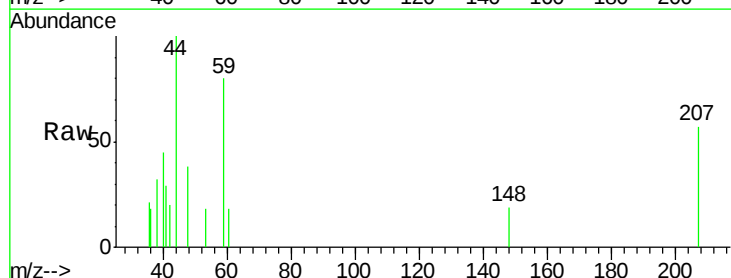
Acq: 15 May 2018 18:13

Tgt Ion: 59 Resp: 287

Ion Ratio Lower Upper

59 100

57 7.0 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

250

200

150

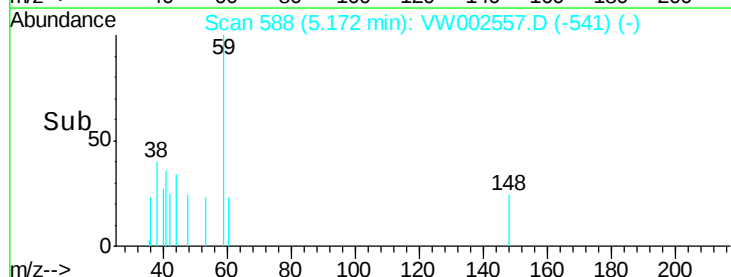
100

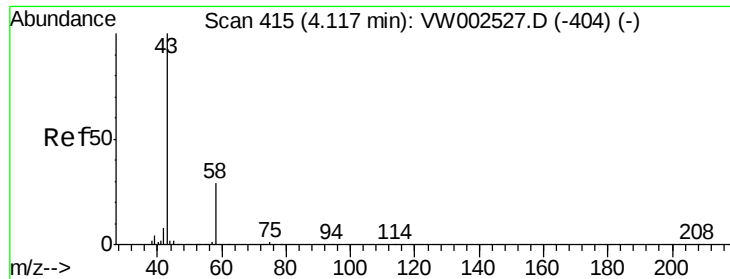
50

0

5.14 5.16 5.18

Time-->





#16

Acetone

Concen: 13.88 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002557.D

Acq: 15 May 2018 18:13

Instrument :

MSVOA_W

ClientSampled :

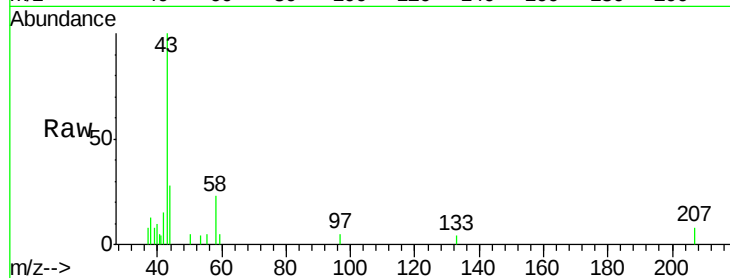
RRT-S2

Tgt Ion: 43 Resp: 4627

Ion Ratio Lower Upper

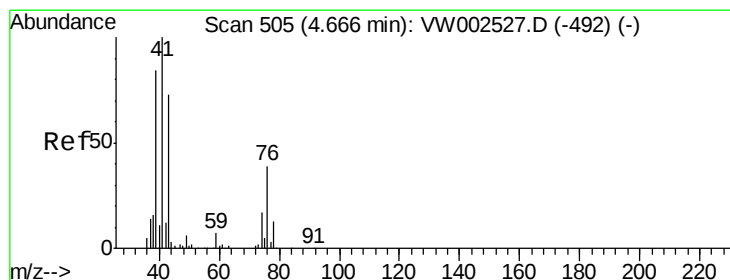
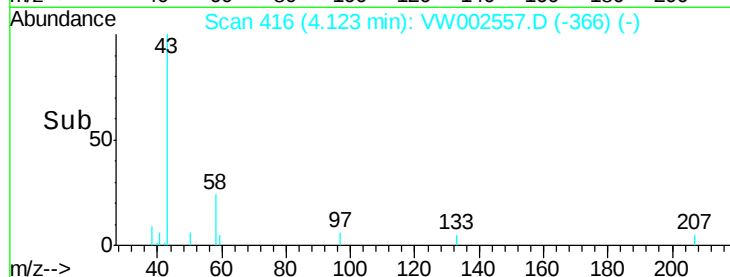
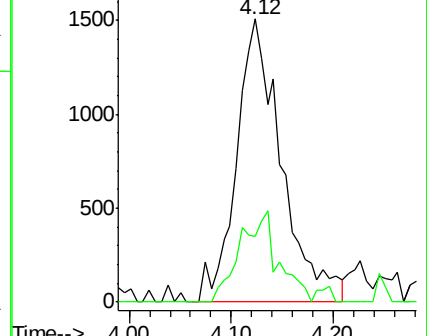
43 100

58 23.3 23.4 35.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.63 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW002557.D

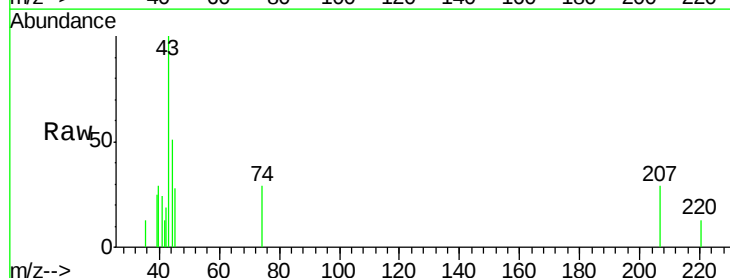
Acq: 15 May 2018 18:13

Tgt Ion: 43 Resp: 1583

Ion Ratio Lower Upper

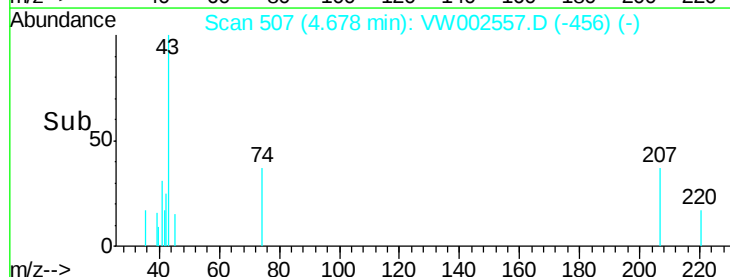
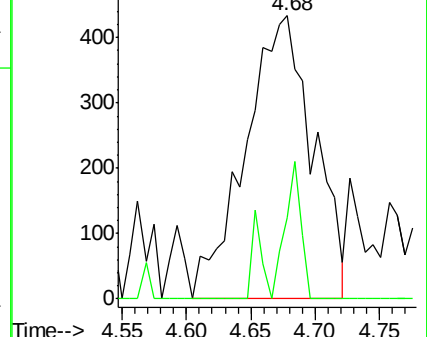
43 100

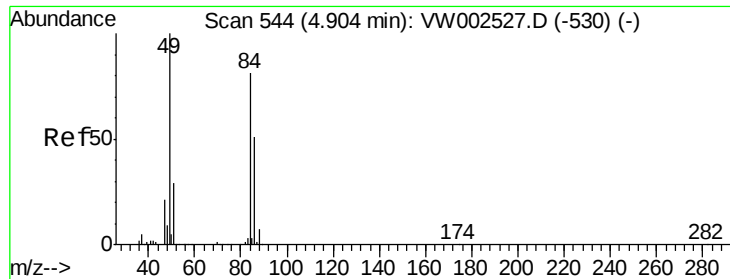
74 11.7 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

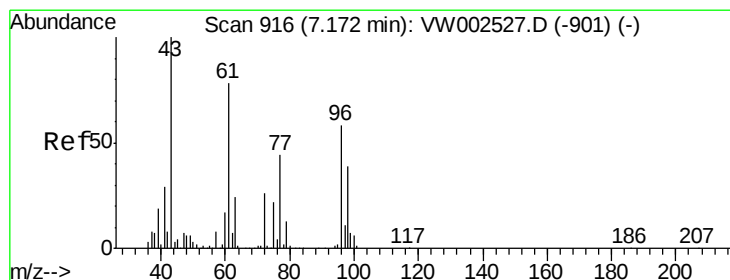
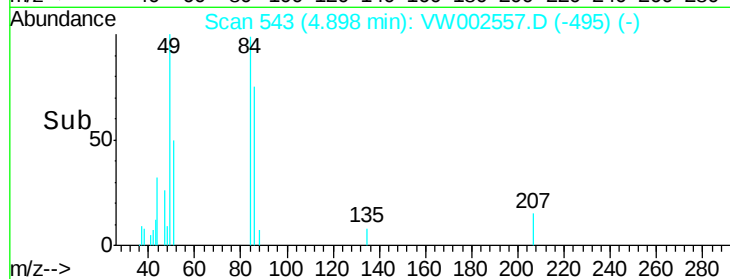
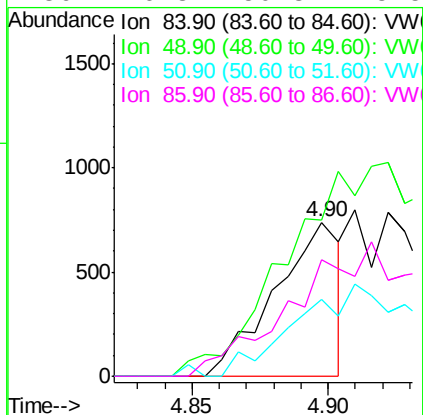
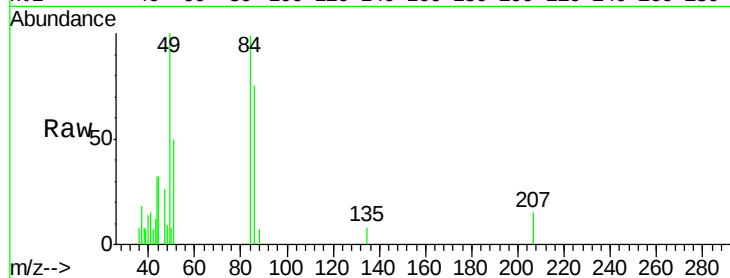




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 543
Delta R.T. -0.01 min
Lab File: VW002557.D
Acq: 15 May 2018 18:13

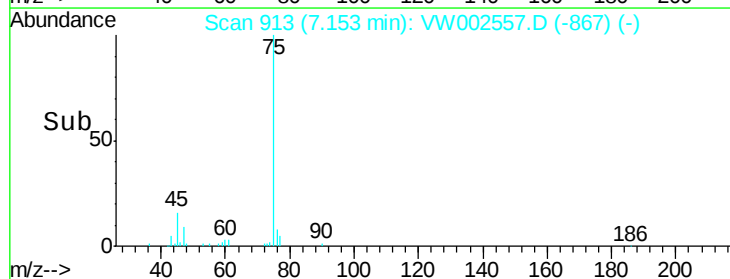
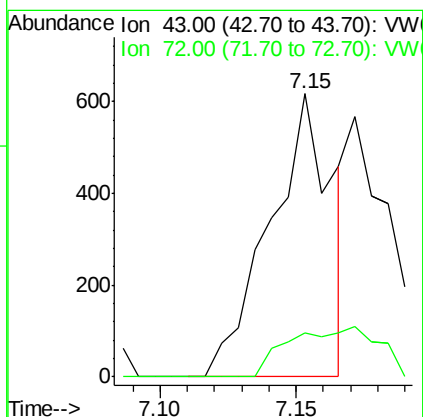
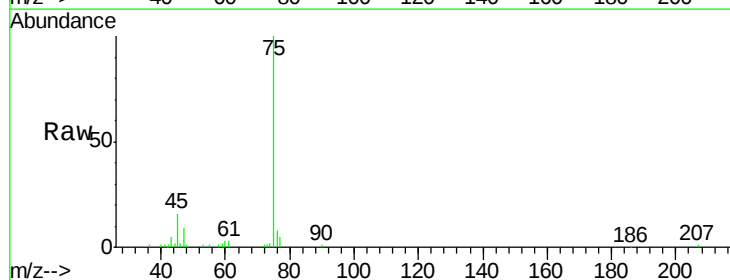
Instrument :
MSVOA_W
ClientSampleId :
RRT-S2

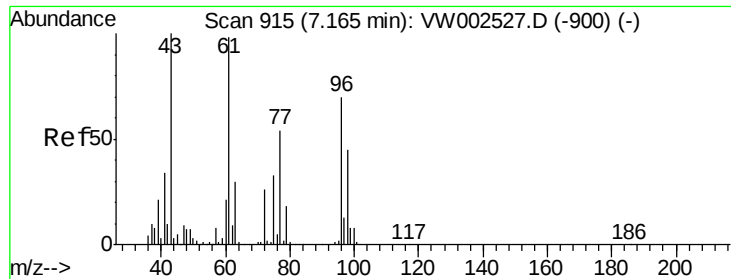
Tgt Ion: 84 Resp: 1239
Ion Ratio Lower Upper
84 100
49 91.2 99.4 149.0#
51 42.9 29.0 43.6
86 76.3 50.3 75.5#



#25
2-Butanone
Concen: 2.07 ug/l
RT: 7.15 min Scan# 913
Delta R.T. -0.02 min
Lab File: VW002557.D
Acq: 15 May 2018 18:13

Tgt Ion: 43 Resp: 977
Ion Ratio Lower Upper
43 100
72 15.4 20.9 31.3#





#26

2,2-Dichloropropane

Concen: 1.28 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW002557.D

Acq: 15 May 2018 18:13

Instrument :

MSVOA_W

ClientSampleId :

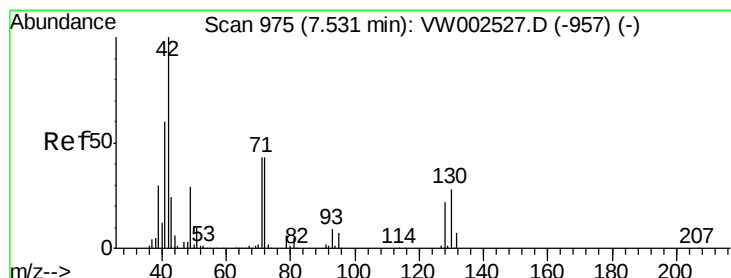
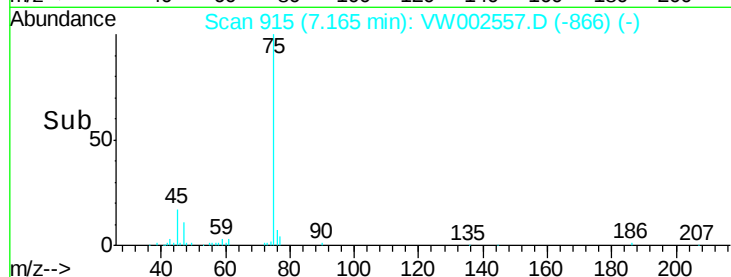
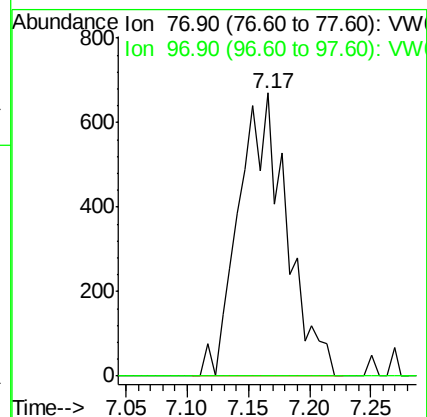
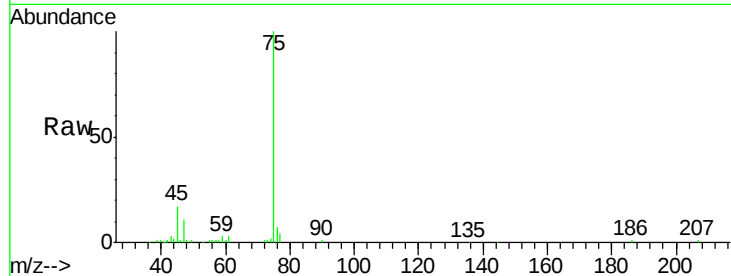
RRT-S2

Tgt Ion: 77 Resp: 1819

Ion Ratio Lower Upper

77 100

97 0.0 12.1 36.3#



#29

Tetrahydrofuran

Concen: 1.03 ug/l

RT: 7.53 min Scan# 974

Delta R.T. -0.01 min

Lab File: VW002557.D

Acq: 15 May 2018 18:13

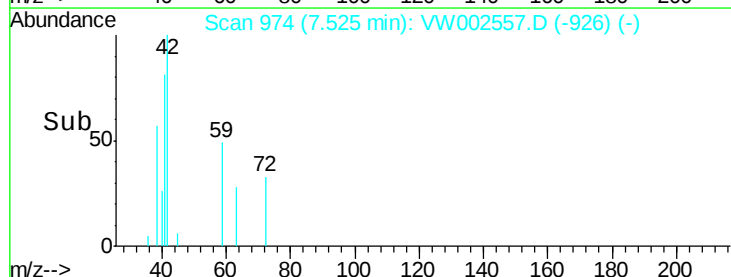
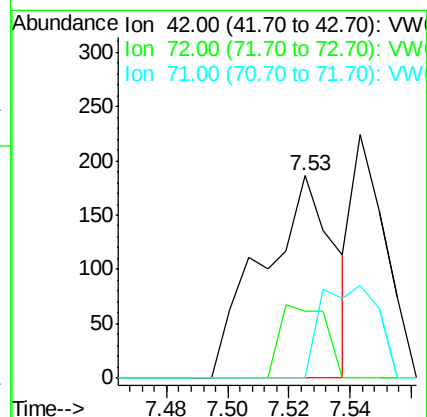
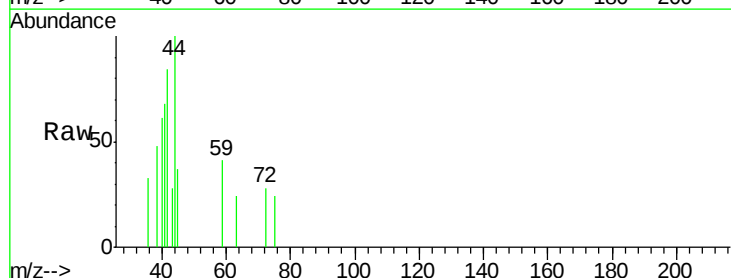
Tgt Ion: 42 Resp: 302

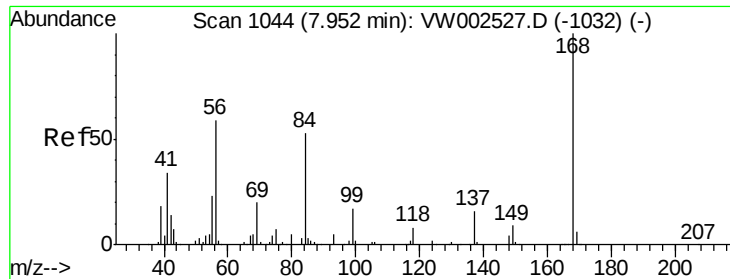
Ion Ratio Lower Upper

42 100

72 22.8 35.0 52.4#

71 0.0 33.0 49.6#

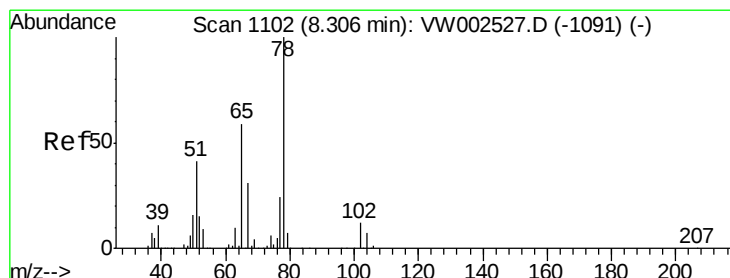
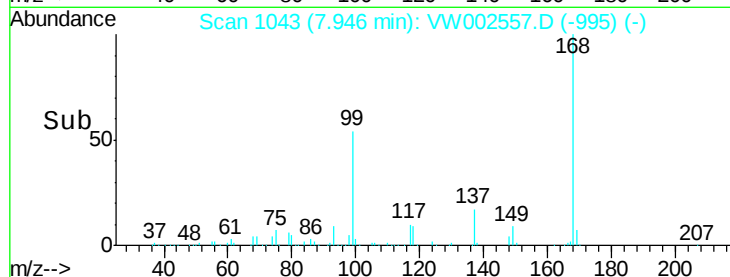
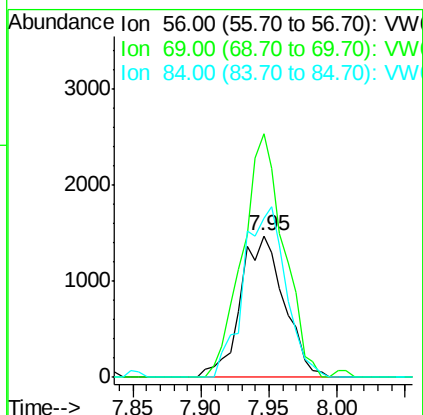
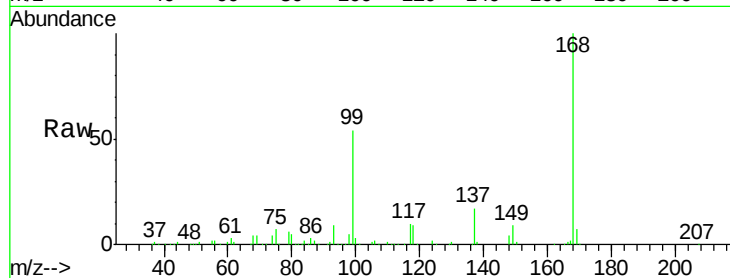




#31
Cyclohexane
Concen: 1.49 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002557.D
Acq: 15 May 2018 18:13

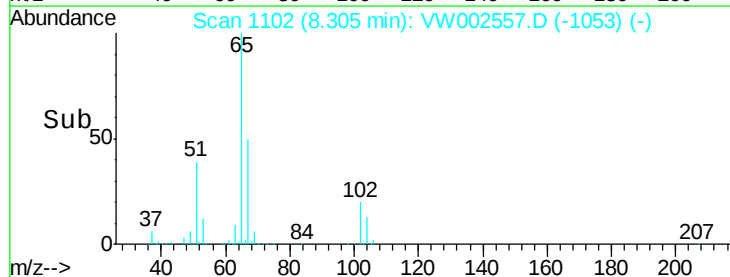
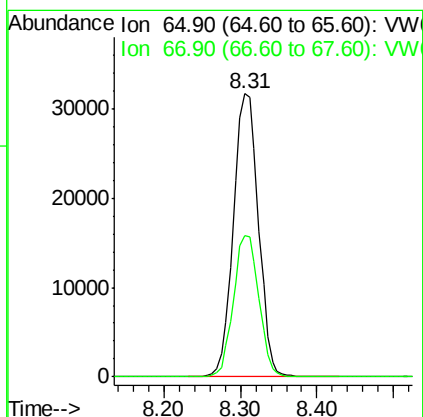
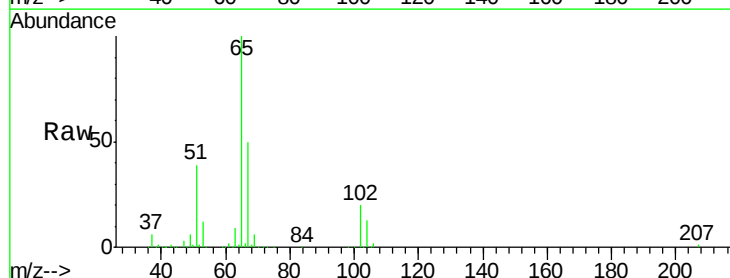
Instrument :
MSVOA_W
ClientSampled :
RRT-S2

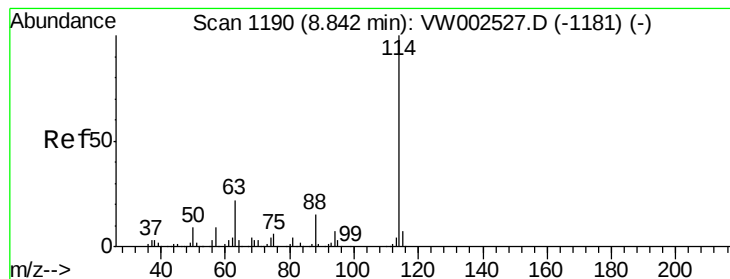
Tgt Ion: 56 Resp: 3334
Ion Ratio Lower Upper
56 100
69 172.0 27.0 40.4#
84 112.1 72.2 108.2#



#33
1,2-Dichloroethane-d4
Concen: 45.53 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW002557.D
Acq: 15 May 2018 18:13

Tgt Ion: 65 Resp: 71874
Ion Ratio Lower Upper
65 100
67 50.5 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: VW002557.D

Acq: 15 May 2018 18:13

Instrument :

MSVOA_W

ClientSampleId :

RRT-S2

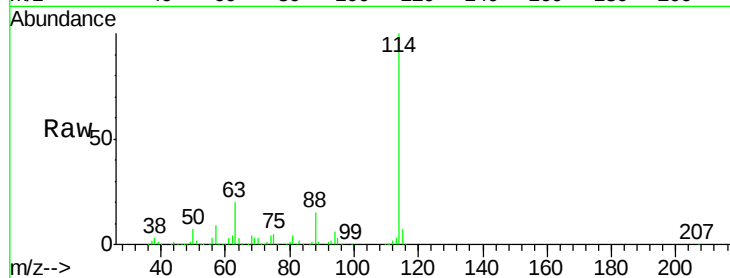
Tgt Ion:114 Resp: 231798

Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

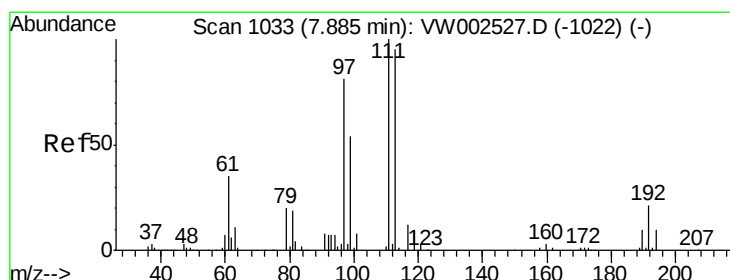
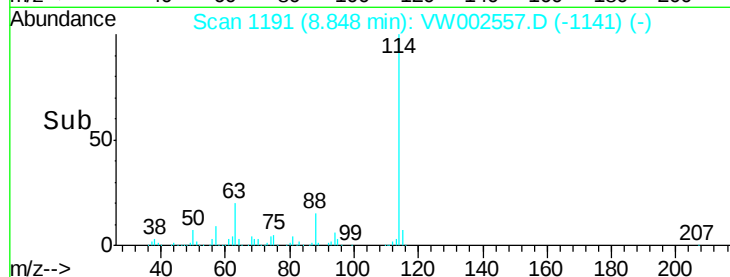
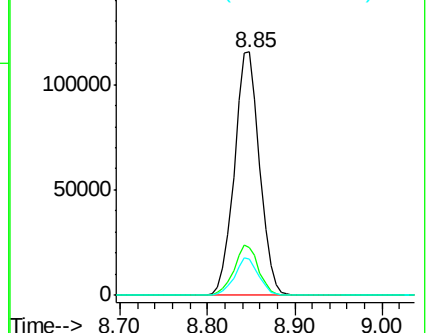
88 14.7 0.0 29.2



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: 42.77 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW002557.D

Acq: 15 May 2018 18:13

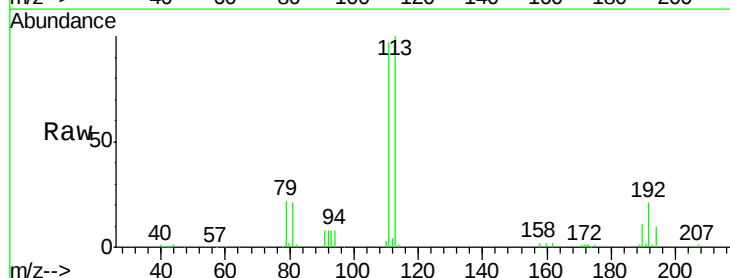
Tgt Ion:113 Resp: 62888

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

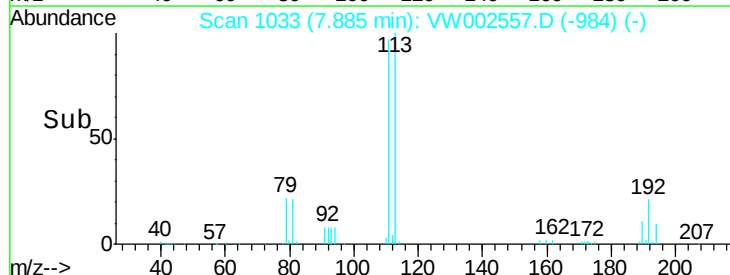
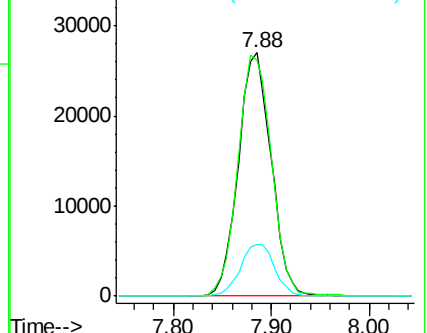
192 22.1 17.5 26.3

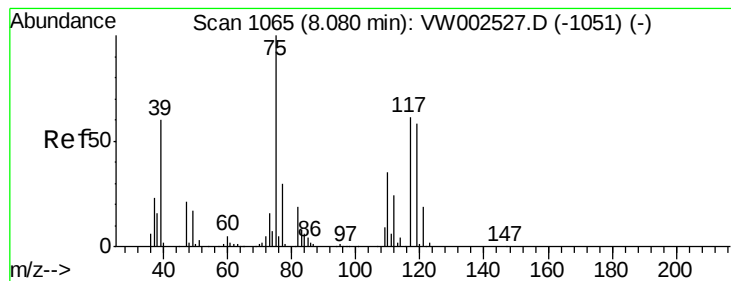


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.49 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.14 min

Lab File: VW002557.D

Acq: 15 May 2018 18:13

Instrument :

MSVOA_W

ClientSampled :

RRT-S2

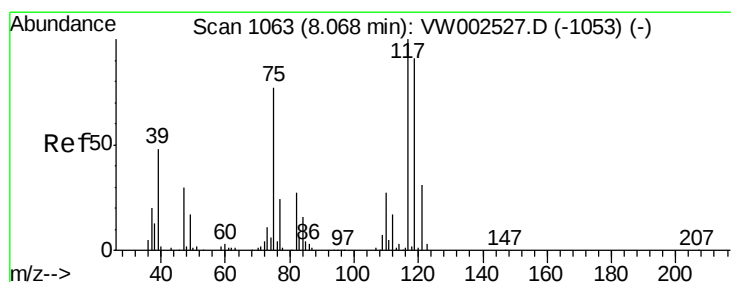
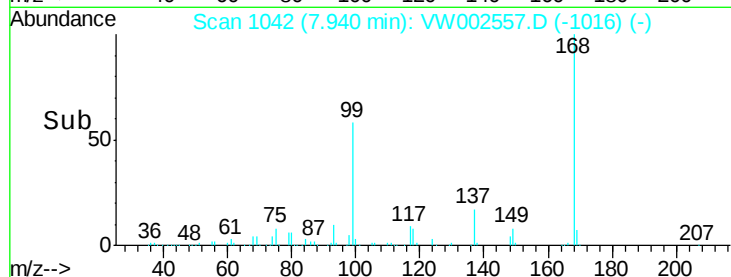
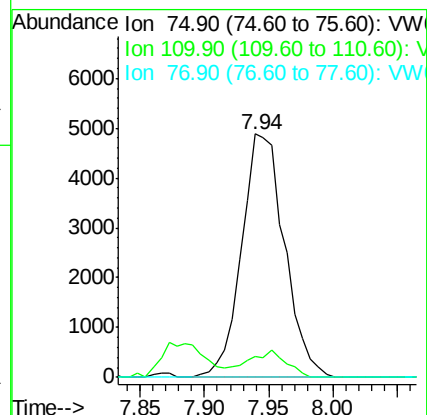
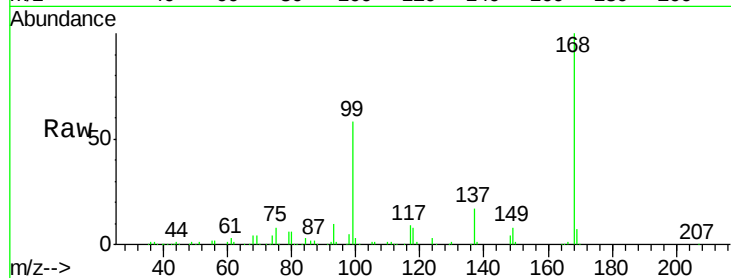
Tgt Ion: 75 Resp: 11227

Ion Ratio Lower Upper

75 100

110 10.2 17.8 53.5#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 7.39 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002557.D

Acq: 15 May 2018 18:13

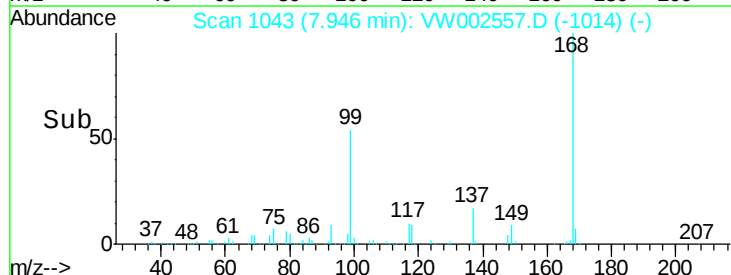
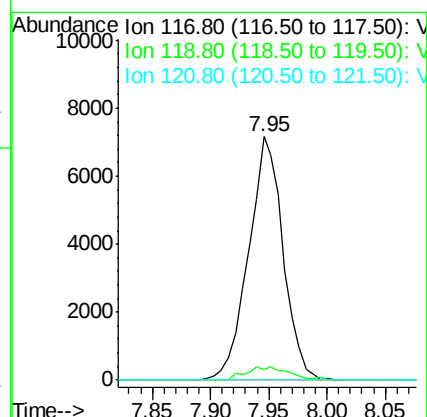
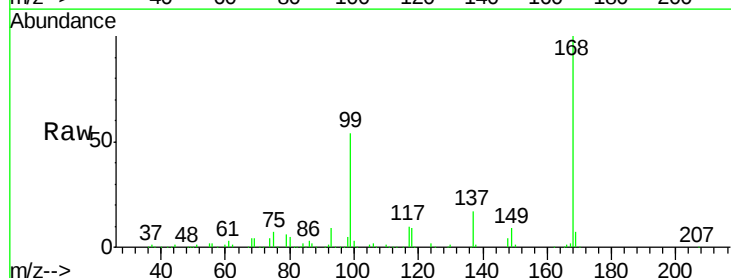
Tgt Ion: 117 Resp: 14794

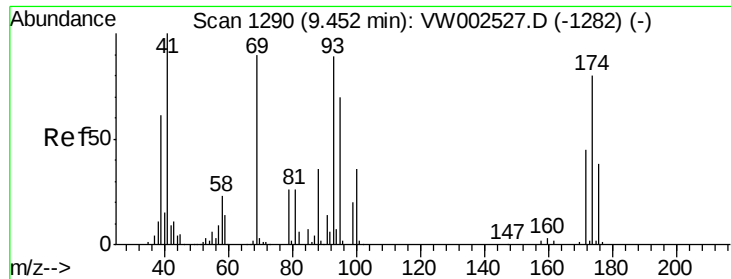
Ion Ratio Lower Upper

117 100

119 4.5 73.1 109.7#

121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 1.34 ug/l

RT: 9.18 min Scan# 1245

Delta R.T. -0.27 min

Lab File: VW002557.D

Acq: 15 May 2018 18:13

Instrument :

MSVOA_W

ClientSampleId :

RRT-S2

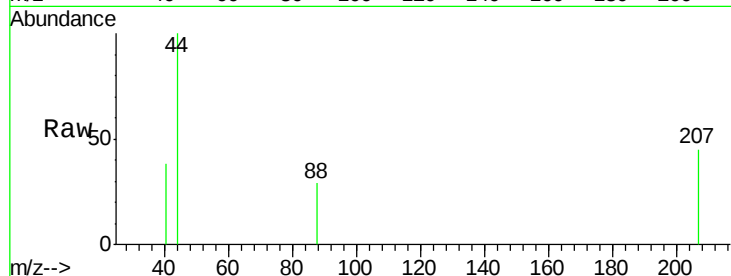
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 452.6 27.0 40.4#

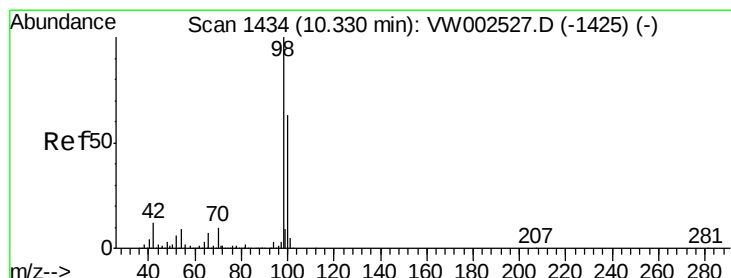
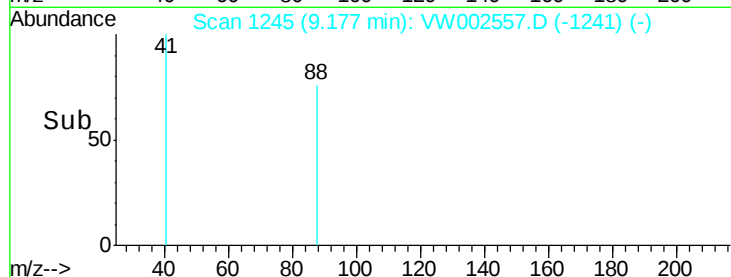
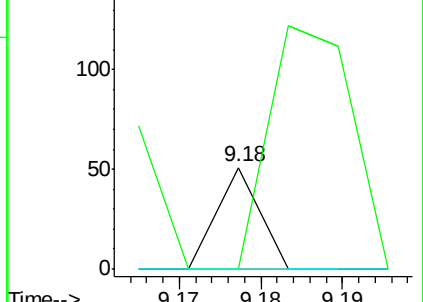
58 0.0 56.9 85.3#



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: 37.39 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002557.D

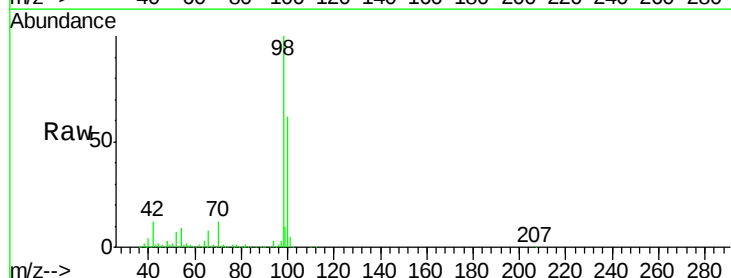
Acq: 15 May 2018 18:13

Tgt Ion: 98 Resp: 209188

Ion Ratio Lower Upper

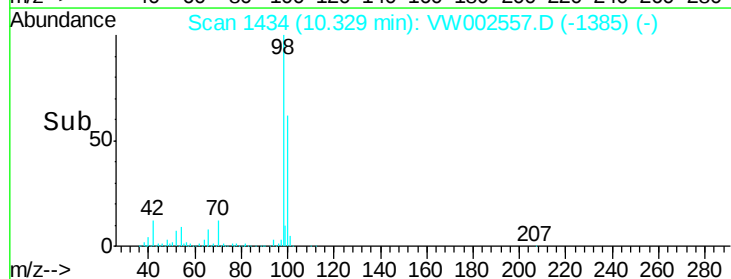
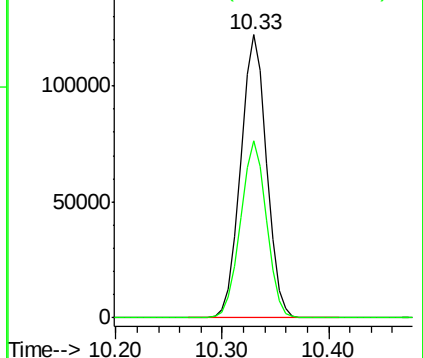
98 100

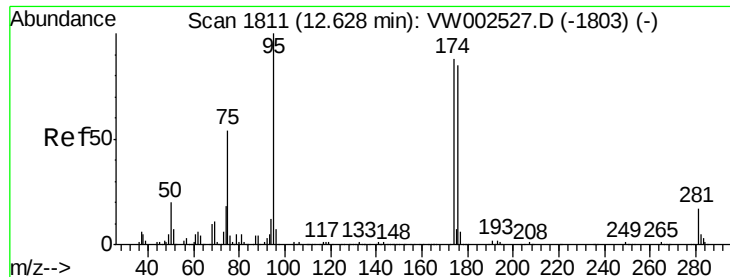
100 62.6 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 39.93 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002557.D

Acq: 15 May 2018 18:13

Instrument :

MSVOA_W

ClientSampleId :

RRT-S2

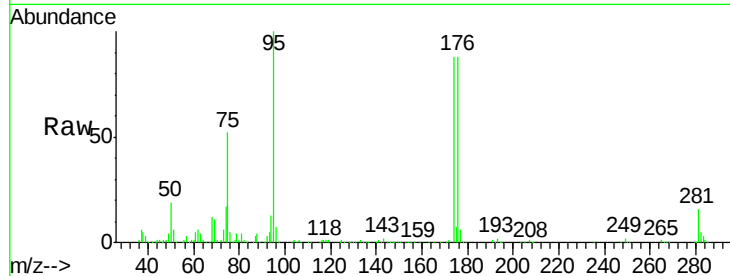
Tgt Ion: 95 Resp: 81684

Ion Ratio Lower Upper

95 100

174 90.4 0.0 176.6

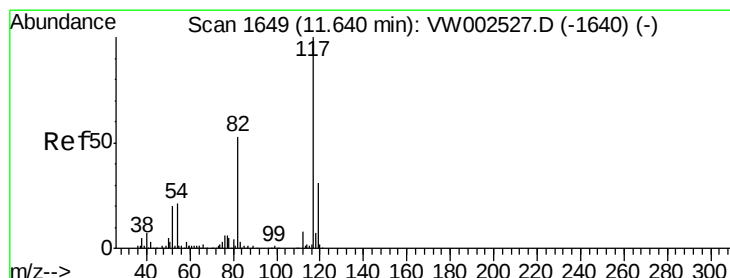
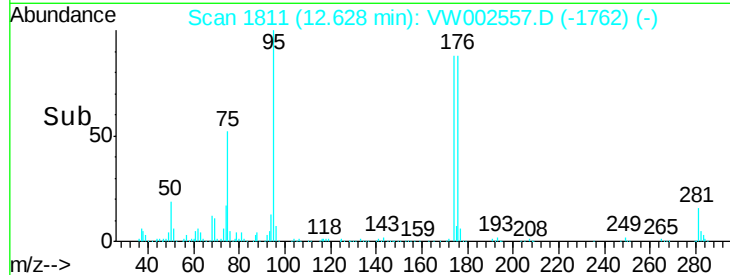
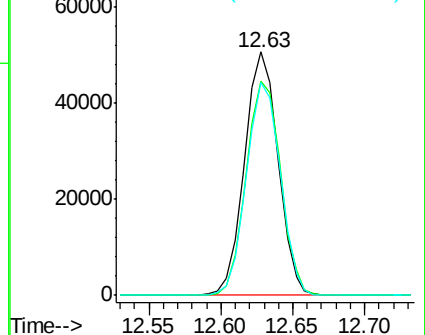
176 88.5 0.0 172.2



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: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VW002557.D

Acq: 15 May 2018 18:13

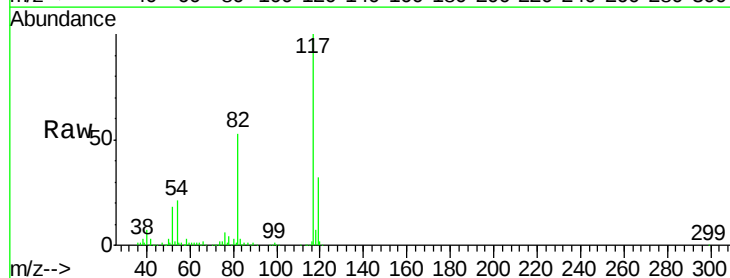
Tgt Ion: 117 Resp: 220120

Ion Ratio Lower Upper

117 100

82 53.2 42.6 64.0

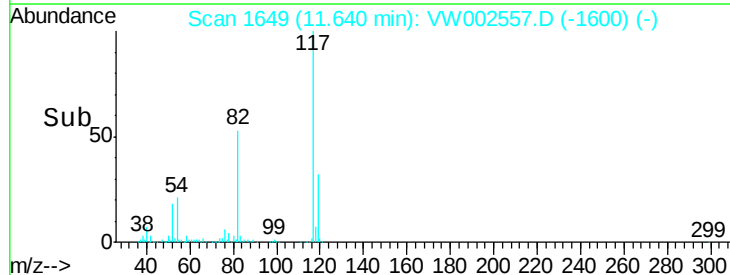
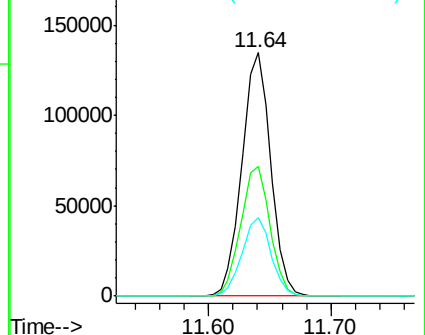
119 32.0 25.0 37.6

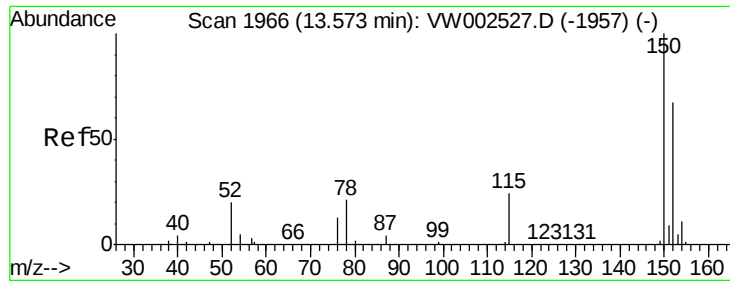


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW002557.D

Acq: 15 May 2018 18:13

Instrument :

MSVOA_W

ClientSampleId :

RRT-S2

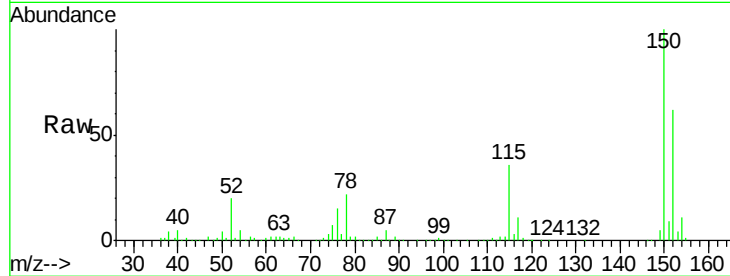
Tgt Ion:152 Resp: 116105

Ion Ratio Lower Upper

152 100

115 56.0 28.0 84.0

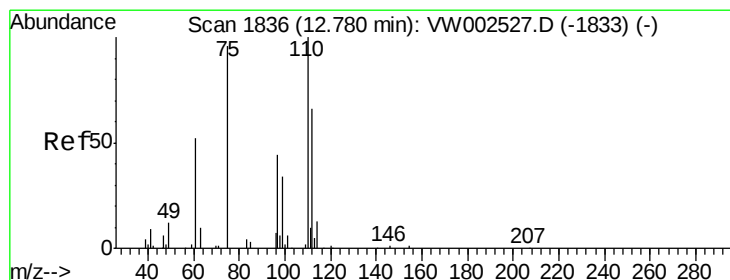
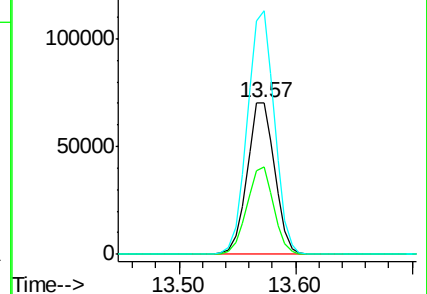
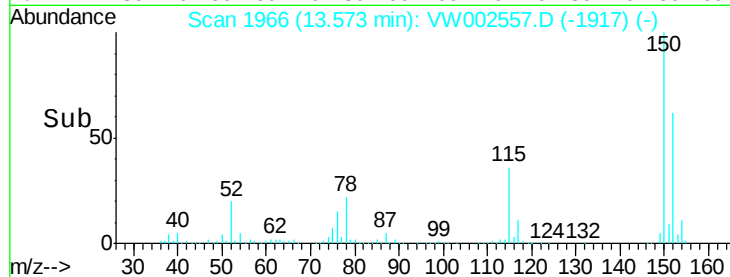
150 157.9 0.0 345.4



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: 39.15 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002557.D

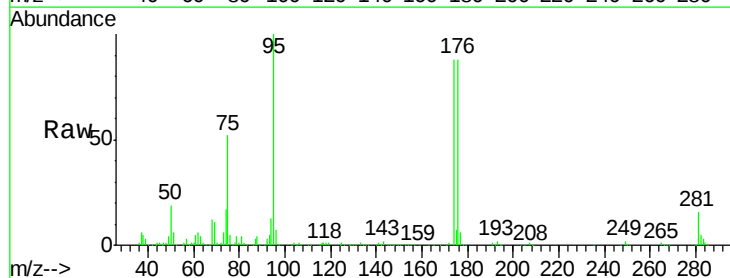
Acq: 15 May 2018 18:13

Tgt Ion: 75 Resp: 42966

Ion Ratio Lower Upper

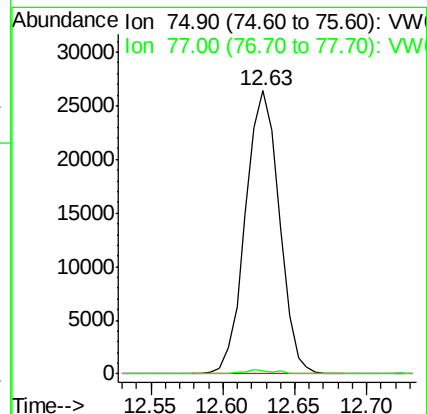
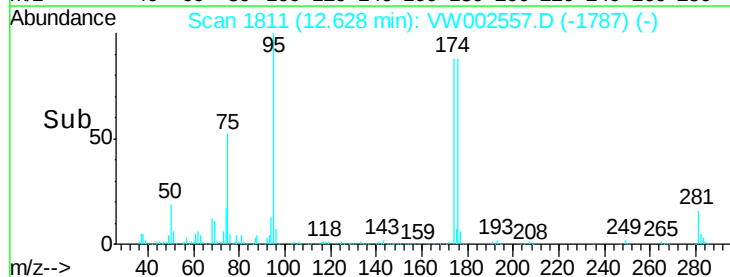
75 100

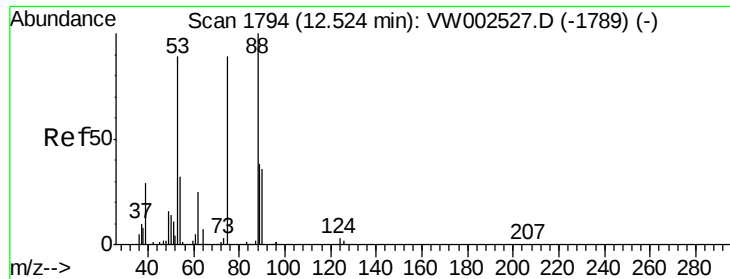
77 1.2 0.0 0.0#



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: 106.74 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002557.D

Acq: 15 May 2018 18:13

Instrument :

MSVOA_W

ClientSampleId :

RRT-S2

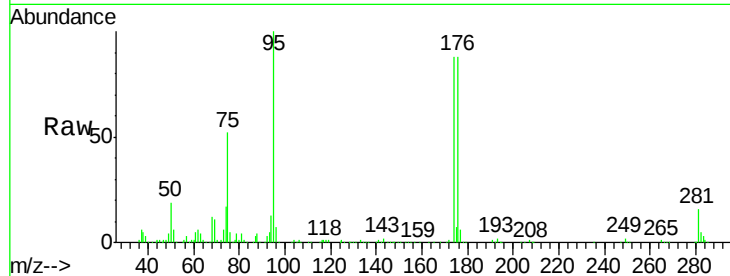
Tgt Ion: 75 Resp: 42966

Ion Ratio Lower Upper

75 100

53 0.1 82.6 124.0#

89 0.3 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

