

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002563.D
 Acq On : 15 May 2018 20:45
 Operator : JC/SY
 Sample : J2898-02
 Misc : 4.66G/10ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-02

Quant Time: May 16 05:48:26 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	129051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	200964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	174689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	74750	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	63694	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
35) Dibromofluoromethane	7.88	113	1134	0.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.78%	
50) Toluene-d8	10.33	98	180485	37.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.42%	
62) 4-Bromofluorobenzene	12.63	95	61961	34.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.86%	

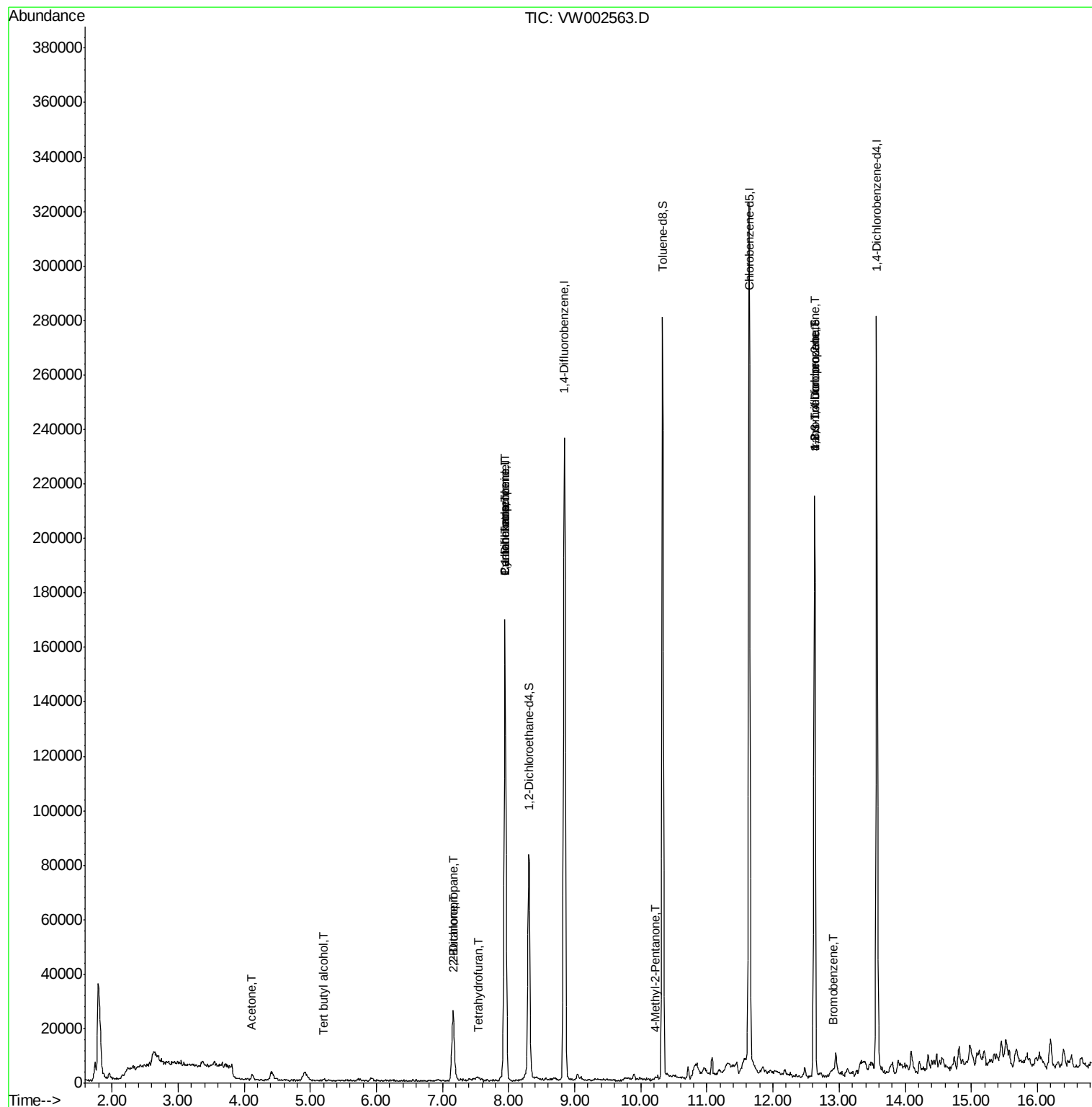
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	582	5.68	ug/l #	90
16) Acetone	4.12	43	3498	12.42	ug/l	94
20) Methylene Chloride	4.91	84	2895	Below Cal	#	80
25) 2-Butanone	7.17	43	1779	4.47	ug/l #	78
26) 2,2-Dichloropropane	7.17	77	1707	1.42	ug/l #	54
29) Tetrahydrofuran	7.54	42	909	3.66	ug/l #	70
31) Cyclohexane	7.94	56	3151	1.66	ug/l #	63
36) 1,1-Dichloropropene	7.95	75	10123	5.71	ug/l #	51
38) Carbon Tetrachloride	7.95	117	12381	7.13	ug/l #	17
51) 4-Methyl-2-Pentanone	10.22	43	1189	1.28	ug/l	93
76) 1,2,3-Trichloropropane	12.63	75	31633	44.77	ug/l #	100
77) Bromobenzene	12.90	156	2092	1.78	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	31633	122.06	ug/l #	8

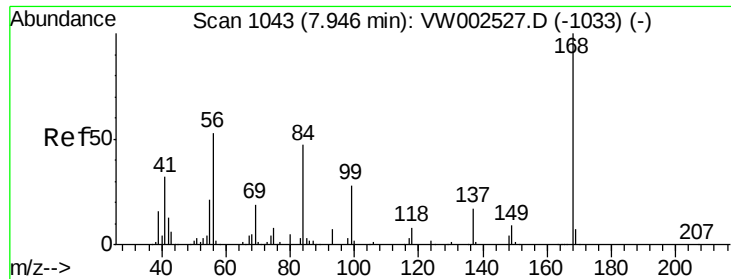
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW002563.D

Acq: 15 May 2018 20:45

Instrument :

MSVOA_W

ClientSampled :

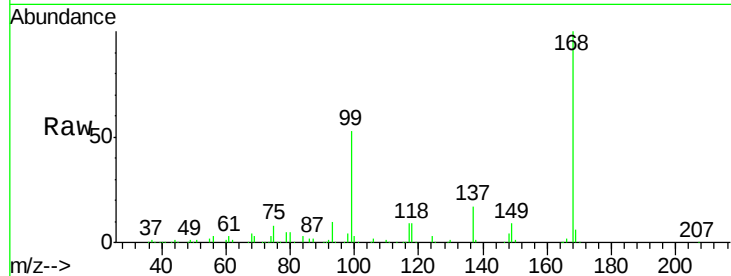
SP-02

Tgt Ion: 168 Resp: 129051

Ion Ratio Lower Upper

168 100

99 53.5 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

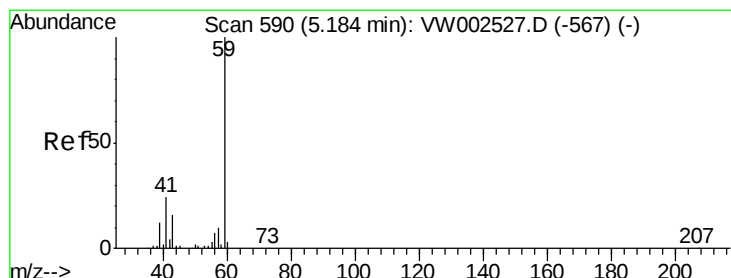
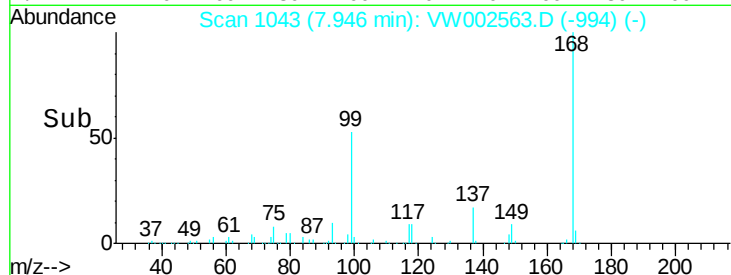
40000

20000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: 5.68 ug/l

RT: 5.20 min Scan# 593

Delta R.T. 0.02 min

Lab File: VW002563.D

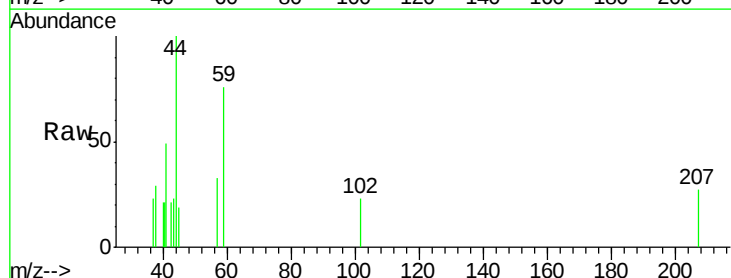
Acq: 15 May 2018 20:45

Tgt Ion: 59 Resp: 582

Ion Ratio Lower Upper

59 100

57 13.9 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

250

200

150

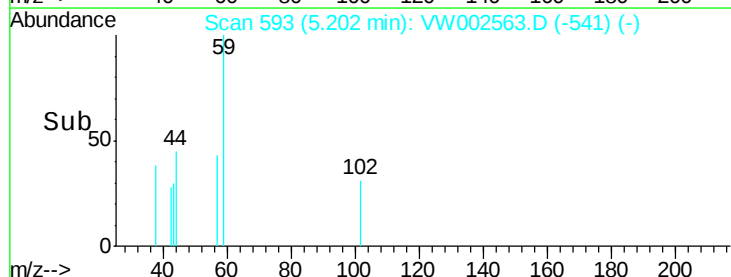
100

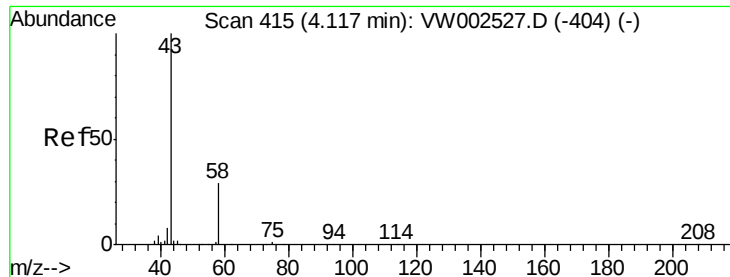
50

0

Time-->

5.15 5.20 5.25





#16

Acetone

Concen: 12.42 ug/l

RT: 4.12 min Scan# 415

Delta R.T. 0.00 min

Lab File: VW002563.D

Acq: 15 May 2018 20:45

Instrument :

MSVOA_W

ClientSampled :

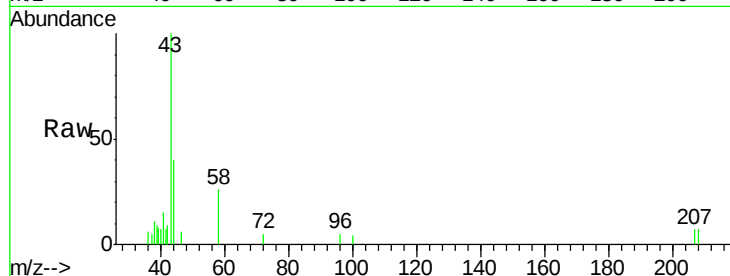
SP-02

Tgt Ion: 43 Resp: 3498

Ion Ratio Lower Upper

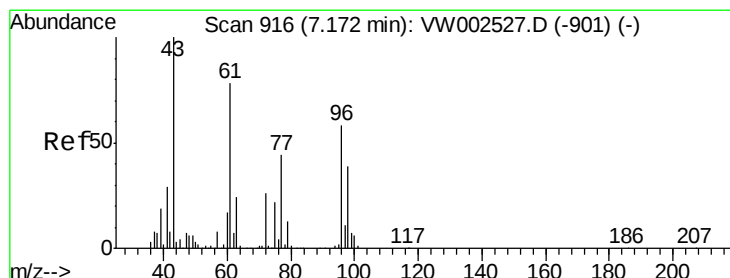
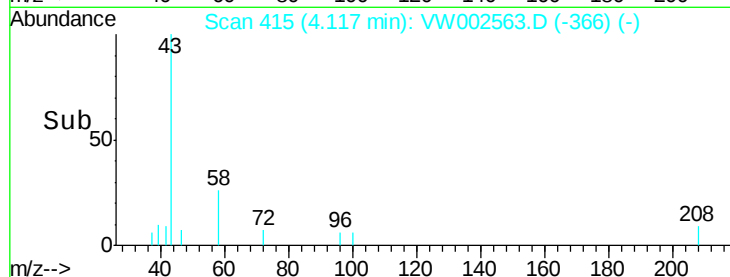
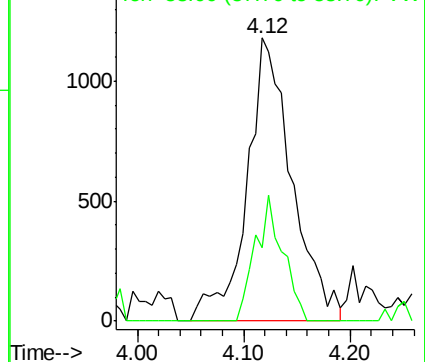
43 100

58 25.8 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: 4.47 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW002563.D

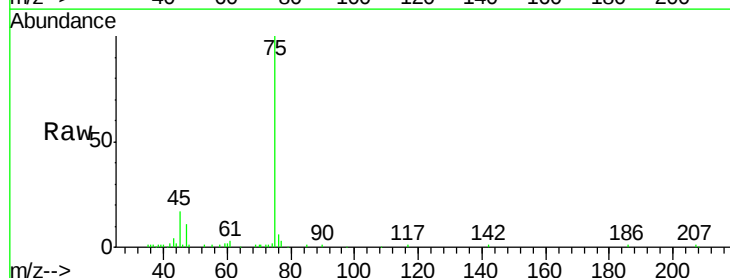
Acq: 15 May 2018 20:45

Tgt Ion: 43 Resp: 1779

Ion Ratio Lower Upper

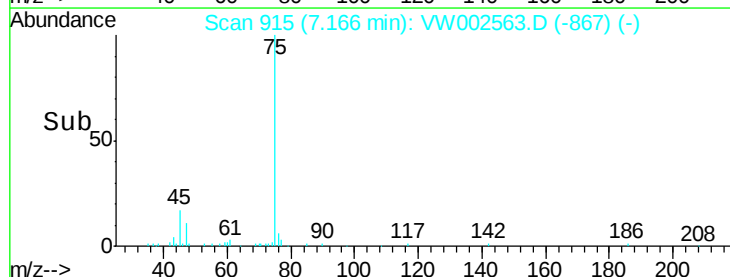
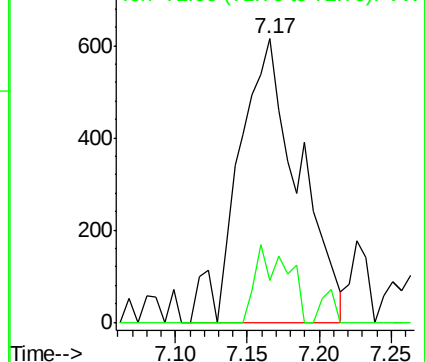
43 100

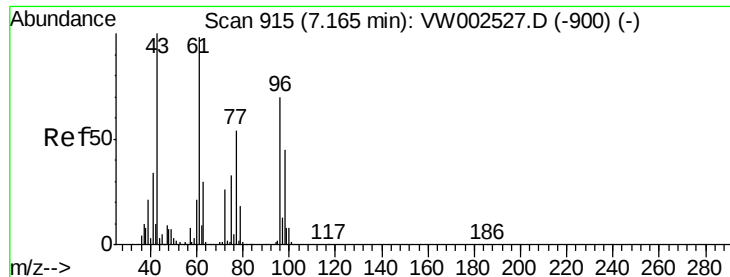
72 14.8 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

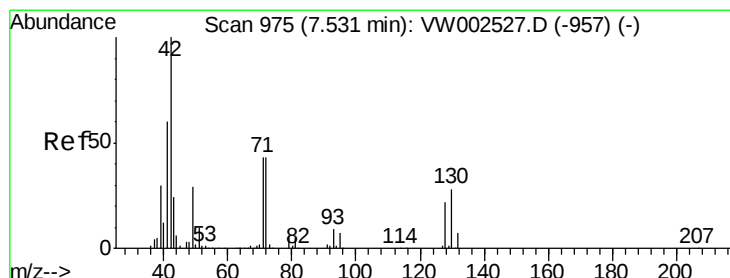
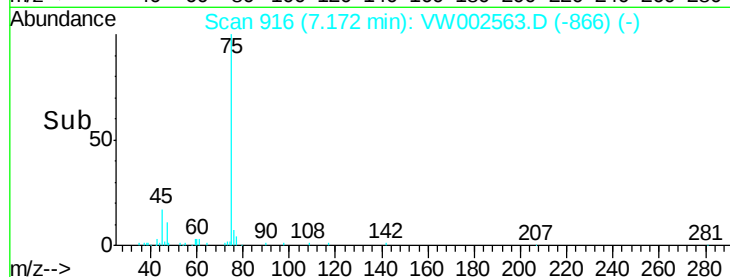
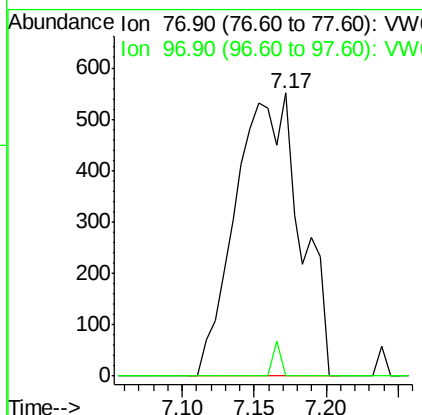
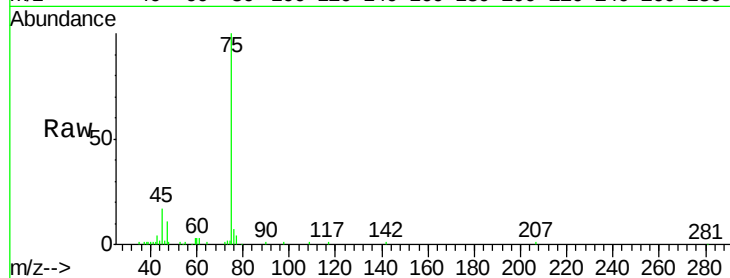




#26
 2,2-Dichloropropane
 Concen: 1.42 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW002563.D
 Acq: 15 May 2018 20:45

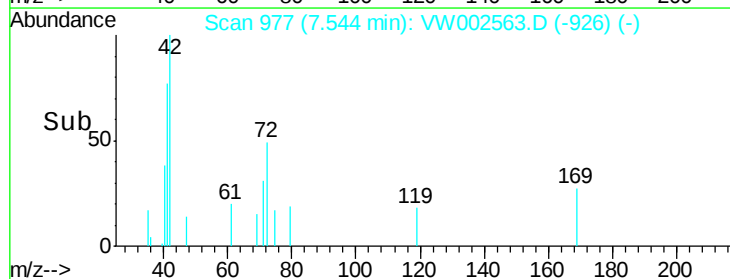
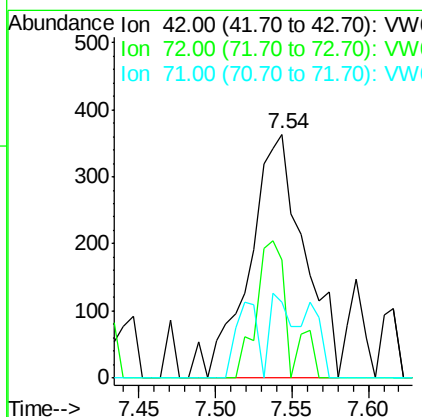
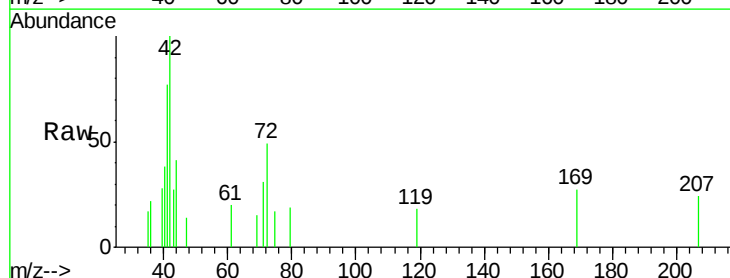
Instrument :
 MSVOA_W
 ClientSampled :
 SP-02

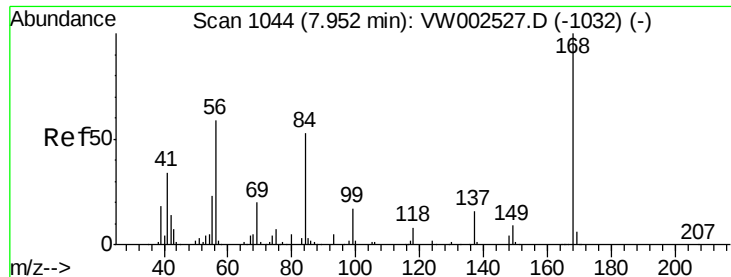
Tgt Ion: 77 Resp: 1707
 Ion Ratio Lower Upper
 77 100
 97 1.5 12.1 36.3#



#29
 Tetrahydrofuran
 Concen: 3.66 ug/l
 RT: 7.54 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VW002563.D
 Acq: 15 May 2018 20:45

Tgt Ion: 42 Resp: 909
 Ion Ratio Lower Upper
 42 100
 72 33.4 35.0 52.4#
 71 12.8 33.0 49.6#

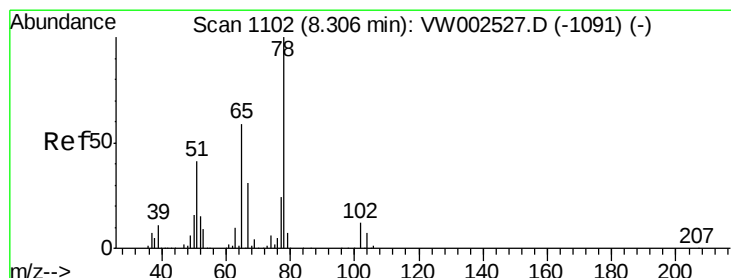
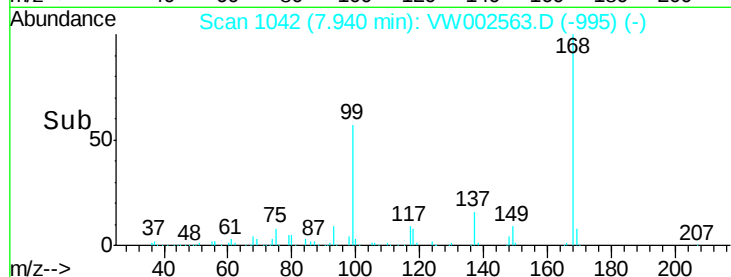
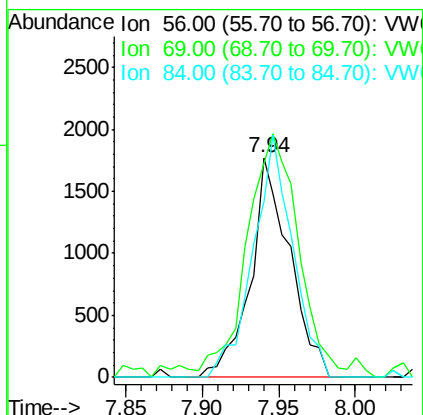
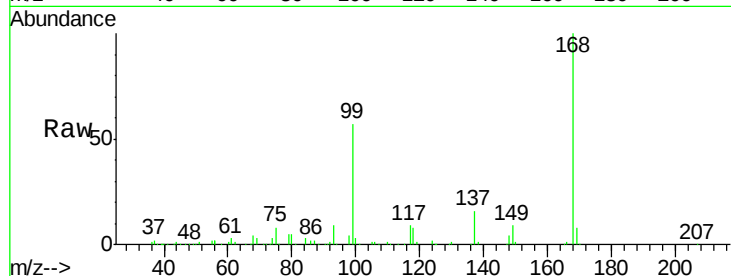




#31
Cyclohexane
Concen: 1.66 ug/l
RT: 7.94 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VW002563.D
Acq: 15 May 2018 20:45

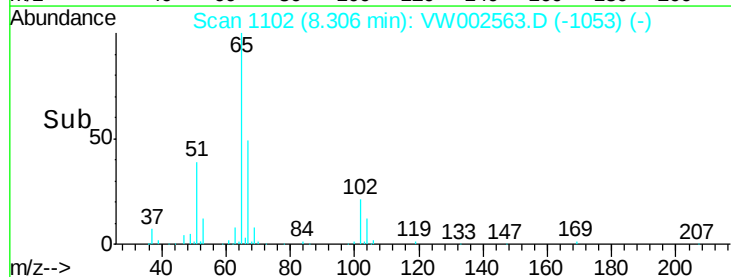
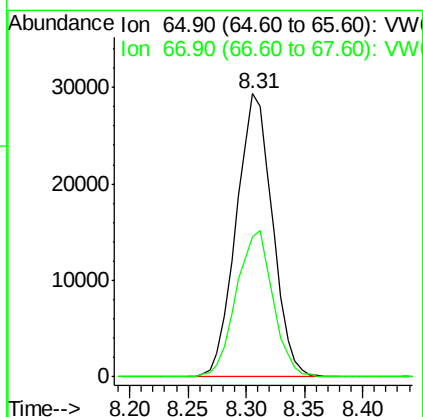
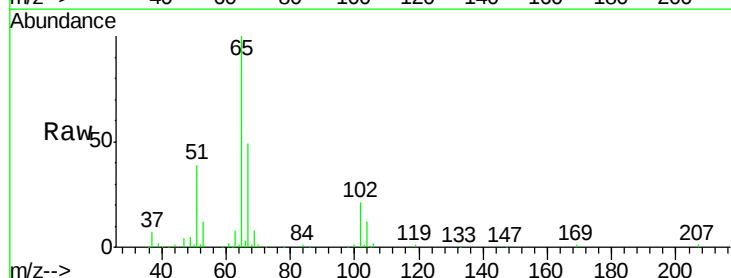
Instrument :
MSVOA_W
ClientSampled :
SP-02

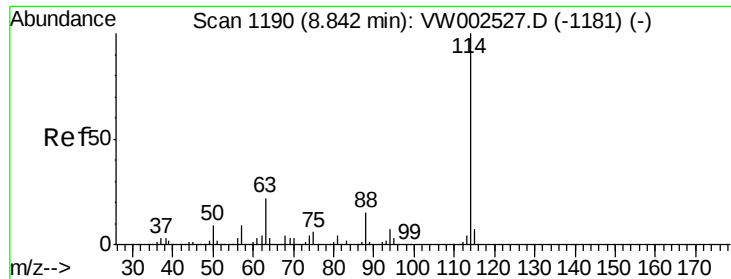
Tgt Ion: 56 Resp: 3151
Ion Ratio Lower Upper
56 100
69 94.2 27.0 40.4#
84 79.9 72.2 108.2



#33
1,2-Dichloroethane-d4
Concen: 47.76 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VW002563.D
Acq: 15 May 2018 20:45

Tgt Ion: 65 Resp: 63694
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.4

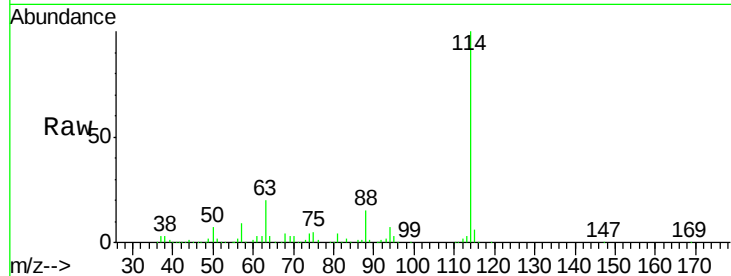




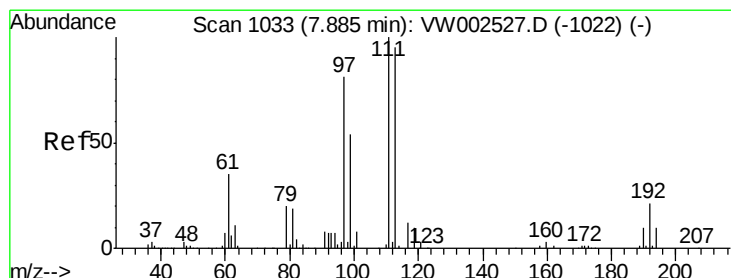
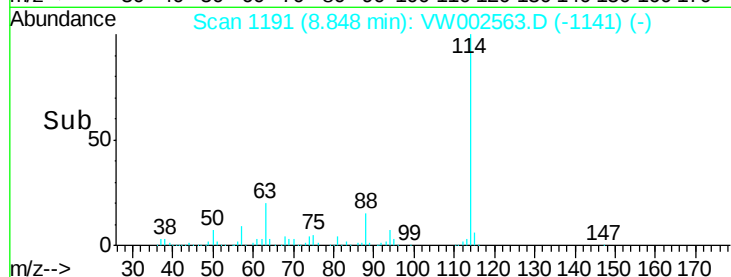
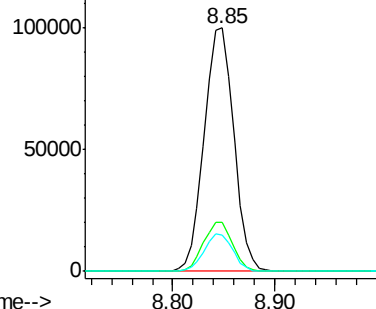
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002563.D
 Acq: 15 May 2018 20:45

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-02

Tgt Ion:114 Resp: 200964
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 43.2
 88 14.8 0.0 29.2

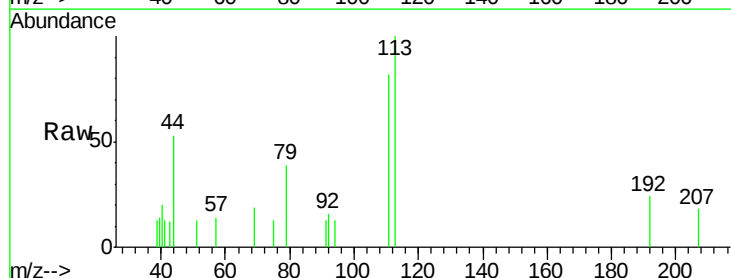


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

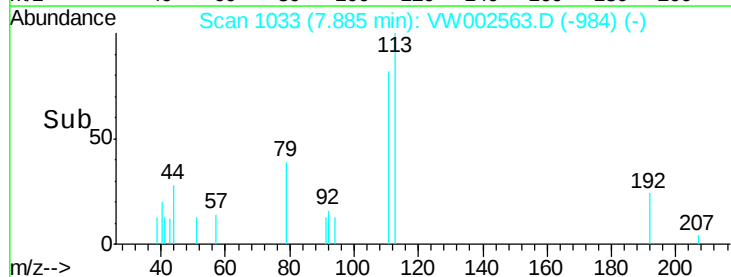
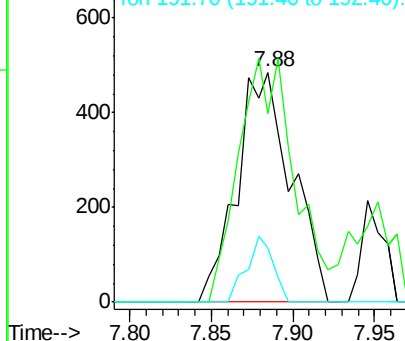


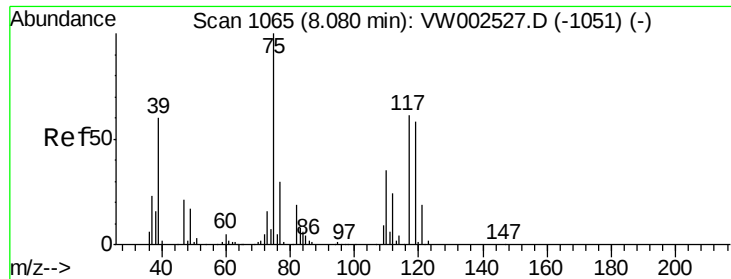
#35
 Dibromofluoromethane
 Concen: 0.89 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW002563.D
 Acq: 15 May 2018 20:45

Tgt Ion:113 Resp: 1134
 Ion Ratio Lower Upper
 113 100
 111 107.3 81.8 122.8
 192 14.0 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: 5.71 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW002563.D

Acq: 15 May 2018 20:45

Instrument :

MSVOA_W

ClientSampled :

SP-02

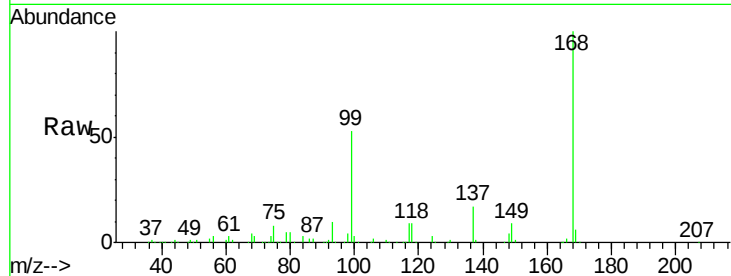
Tgt Ion: 75 Resp: 10123

Ion Ratio Lower Upper

75 100

110 10.1 17.8 53.5#

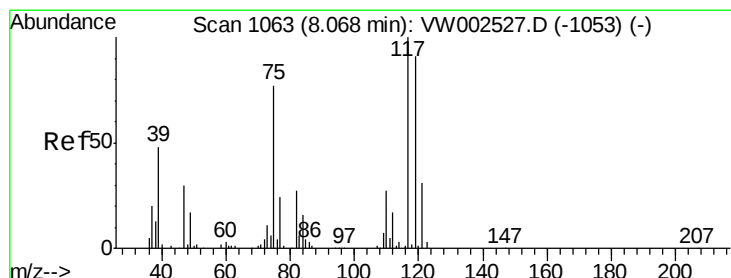
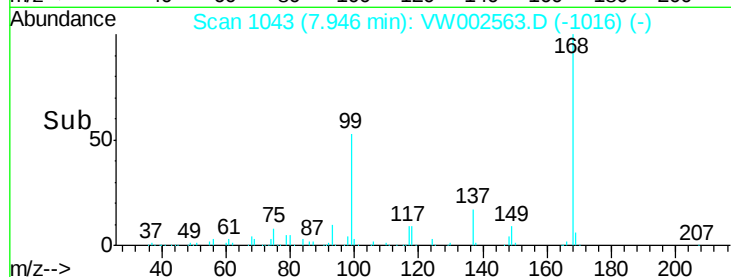
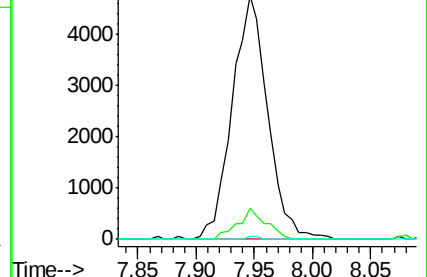
77 0.4 24.5 36.7#



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: 7.13 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002563.D

Acq: 15 May 2018 20:45

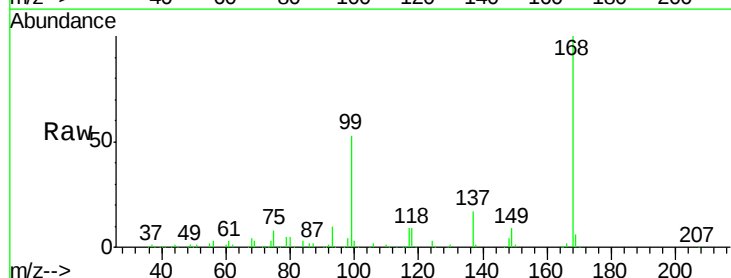
Tgt Ion: 117 Resp: 12381

Ion Ratio Lower Upper

117 100

119 4.2 73.1 109.7#

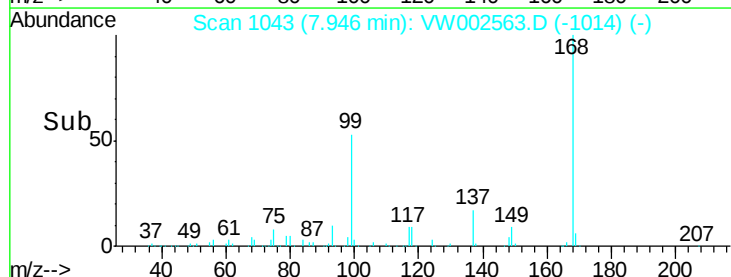
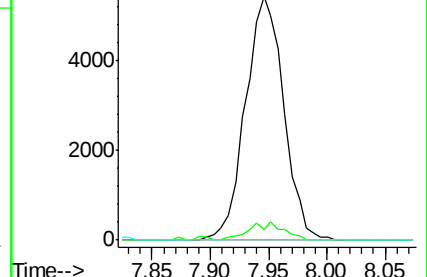
121 0.0 24.4 36.6#

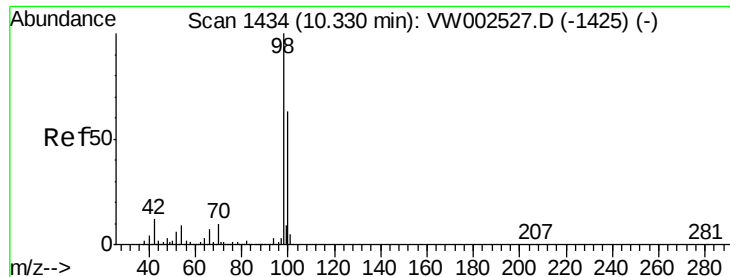


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 37.21 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW002563.D

Acq: 15 May 2018 20:45

Instrument :

MSVOA_W

ClientSampled :

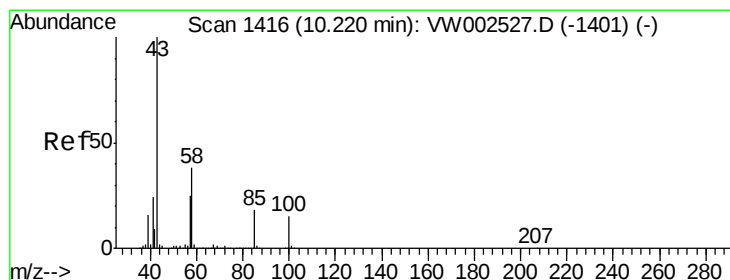
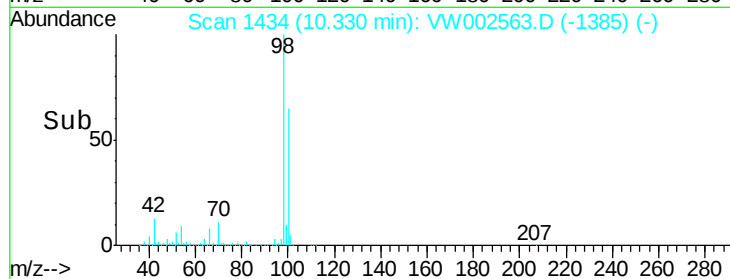
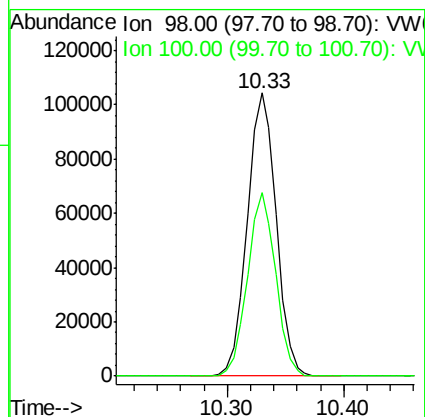
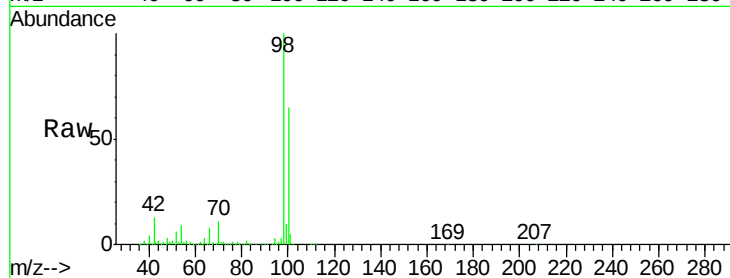
SP-02

Tgt Ion: 98 Resp: 180485

Ion Ratio Lower Upper

98 100

100 63.3 51.0 76.4



#51

4-Methyl-2-Pentanone

Concen: 1.28 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW002563.D

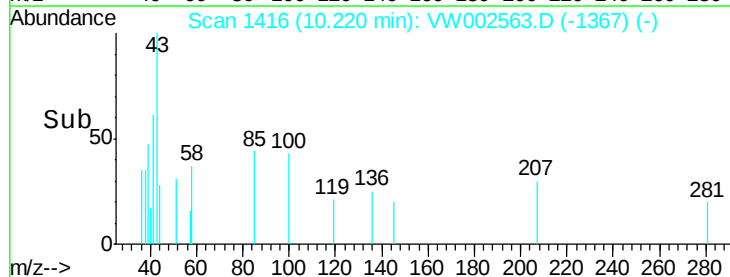
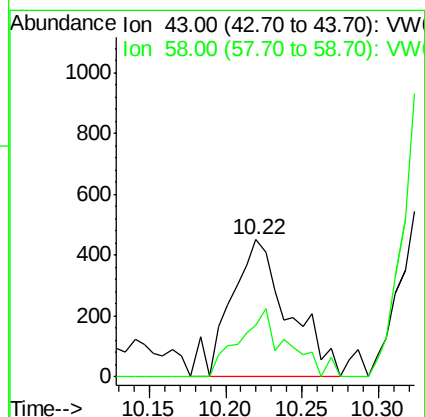
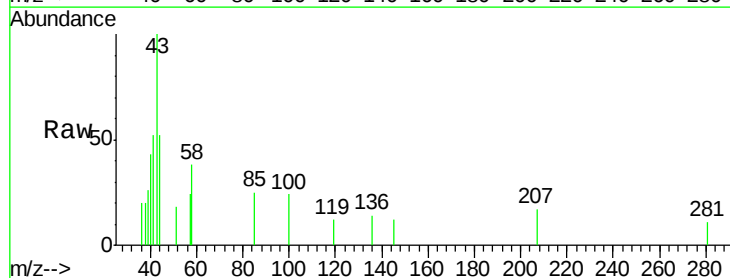
Acq: 15 May 2018 20:45

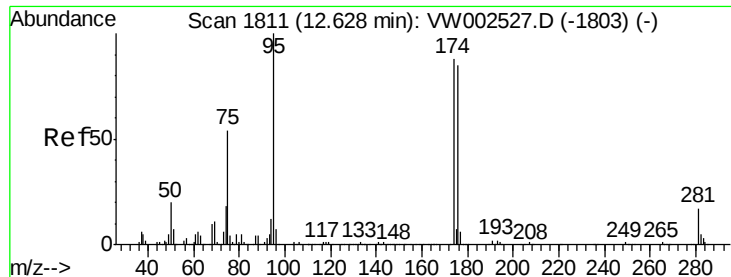
Tgt Ion: 43 Resp: 1189

Ion Ratio Lower Upper

43 100

58 41.7 30.1 45.1

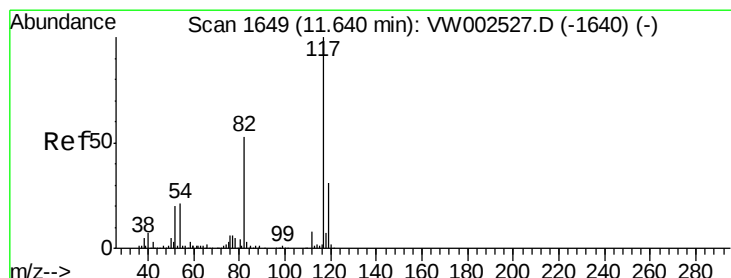
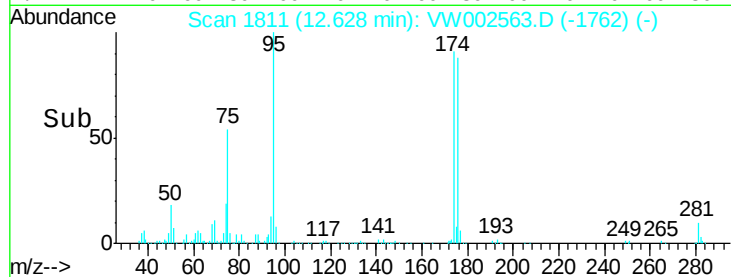
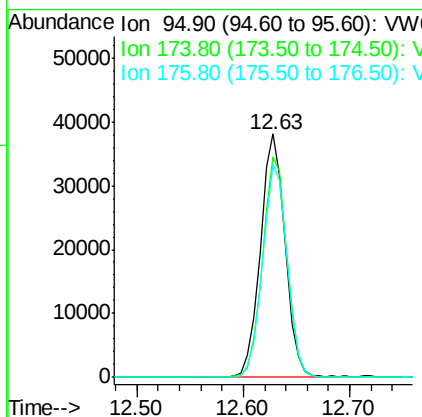
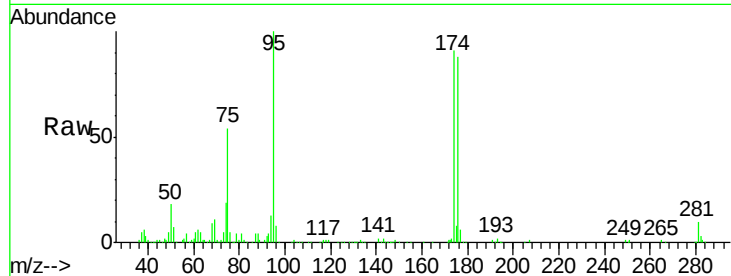




#62
4-Bromofluorobenzene
Concen: 34.93 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW002563.D
Acq: 15 May 2018 20:45

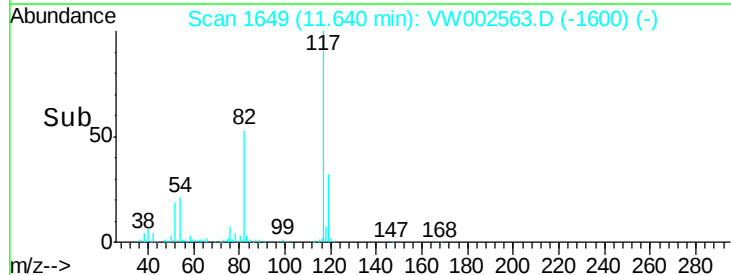
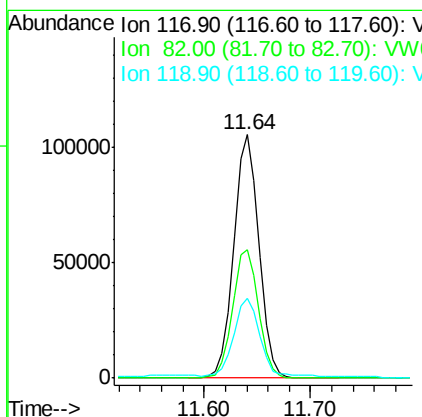
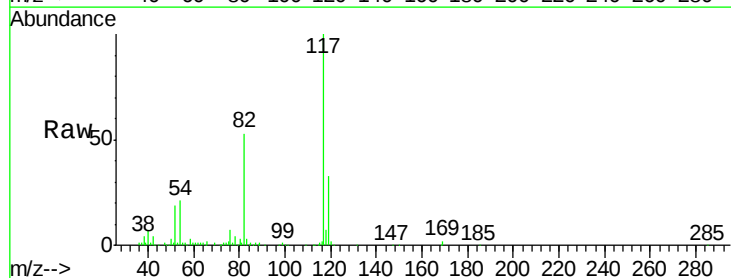
Instrument :
MSVOA_W
ClientSampled :
SP-02

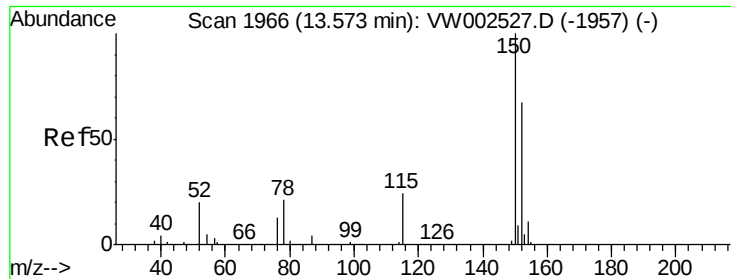
Tgt Ion: 95 Resp: 61961
Ion Ratio Lower Upper
95 100
174 89.9 0.0 176.6
176 86.9 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW002563.D
Acq: 15 May 2018 20:45

Tgt Ion: 117 Resp: 174689
Ion Ratio Lower Upper
117 100
82 52.7 42.6 64.0
119 31.8 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: VW002563.D

Acq: 15 May 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

SP-02

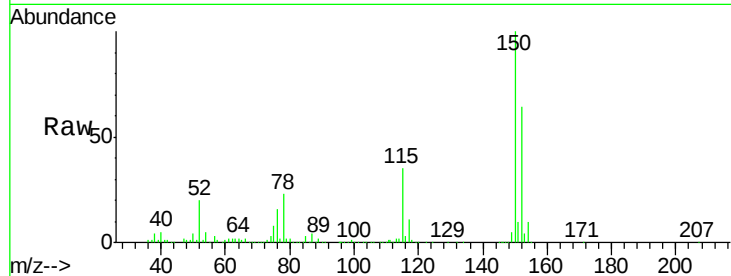
Tgt Ion: 152 Resp: 74750

Ion Ratio Lower Upper

152 100

115 56.2 28.0 84.0

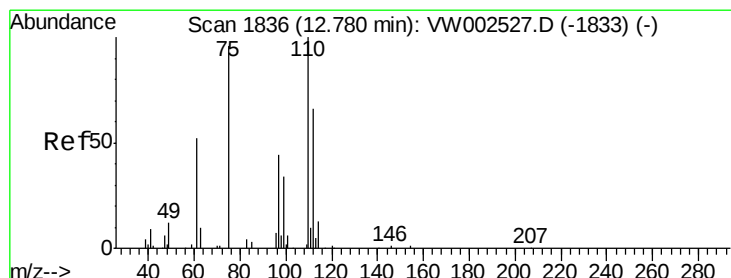
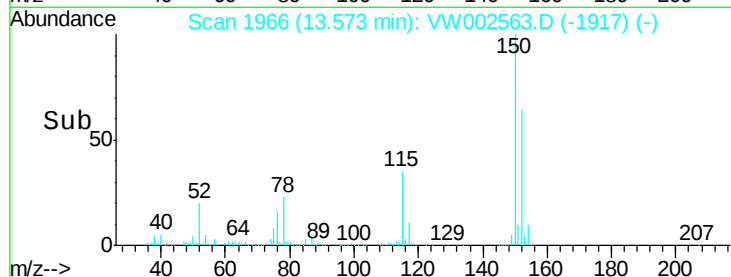
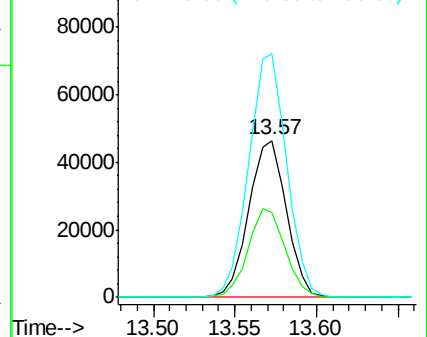
150 157.2 0.0 345.4



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: 44.77 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002563.D

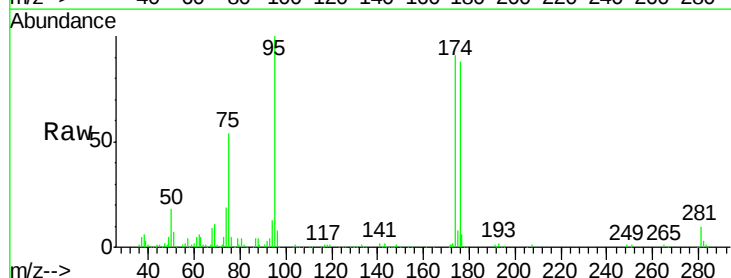
Acq: 15 May 2018 20:45

Tgt Ion: 75 Resp: 31633

Ion Ratio Lower Upper

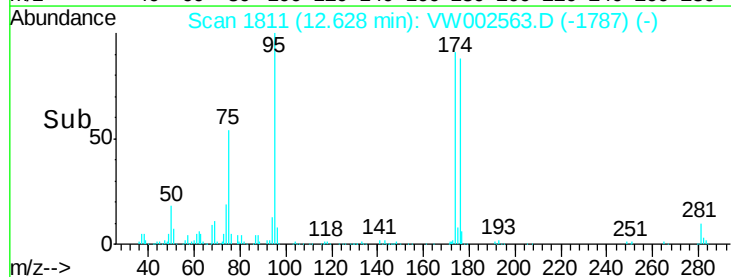
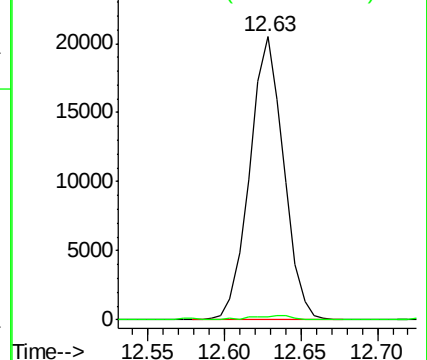
75 100

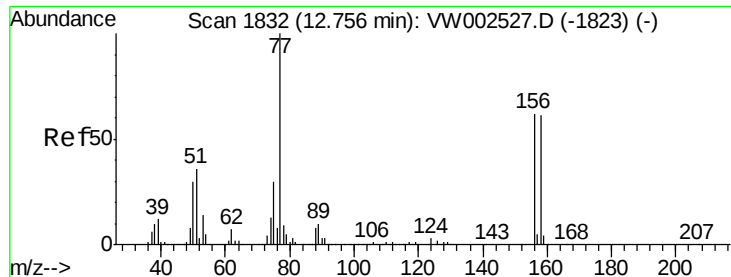
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 1.78 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. 0.15 min

Lab File: VW002563.D

Acq: 15 May 2018 20:45

Instrument :

MSVOA_W

ClientSampled :

SP-02

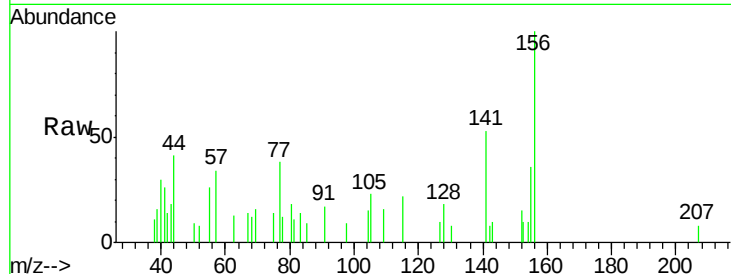
Tgt Ion:156 Resp: 2092

Ion Ratio Lower Upper

156 100

77 13.0 89.8 269.4#

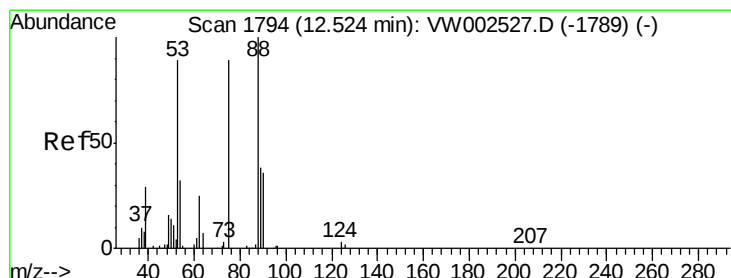
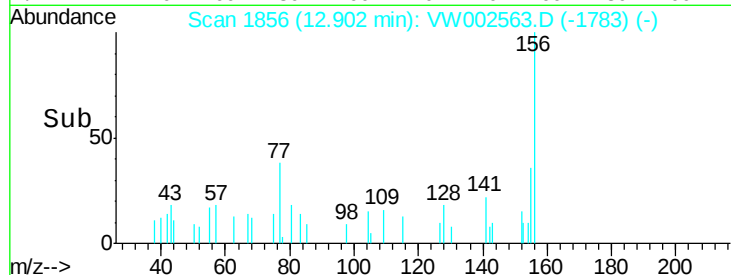
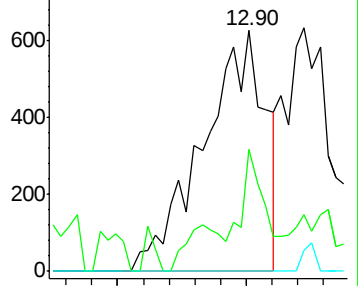
158 0.0 48.8 146.3#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 122.06 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002563.D

Acq: 15 May 2018 20:45

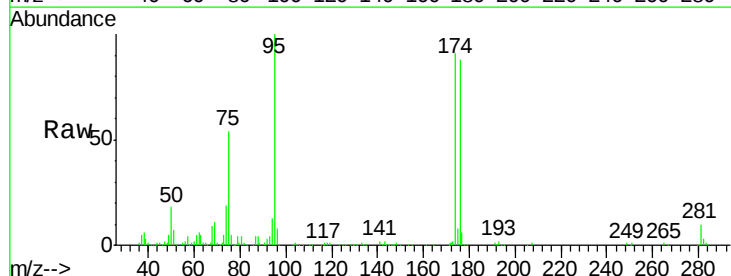
Tgt Ion: 75 Resp: 31633

Ion Ratio Lower Upper

75 100

53 0.3 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

