

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002558.D
 Acq On : 15 May 2018 18:38
 Operator : JC/SY
 Sample : J2888-17
 Misc : 5.08G/10ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 26KV-N1

Quant Time: May 16 05:46:34 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	139672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	212547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	201197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	106528	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	67060	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
35) Dibromofluoromethane	7.89	113	3405	2.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	5.06%	
50) Toluene-d8	10.33	98	199043	38.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.60%	
62) 4-Bromofluorobenzene	12.63	95	77406	41.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.52%	

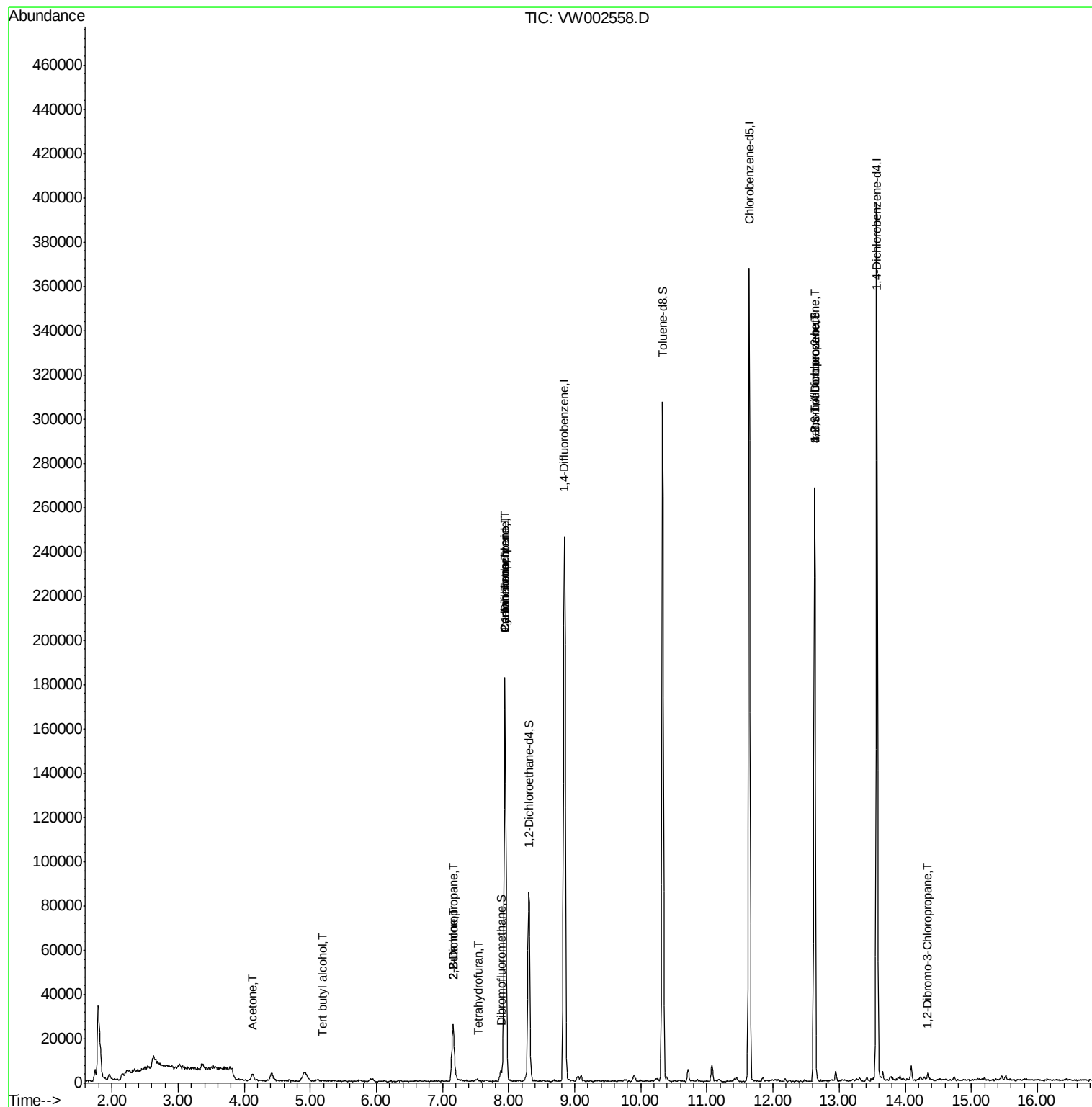
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	326	2.94	ug/l	95
16) Acetone	4.12	43	5525	18.13	ug/l	97
25) 2-Butanone	7.15	43	1064	2.47	ug/l #	69
26) 2,2-Dichloropropane	7.16	77	1983	1.53	ug/l #	51
29) Tetrahydrofuran	7.54	42	466	1.73	ug/l #	48
31) Cyclohexane	7.95	56	3288	1.60	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	10198	5.44	ug/l #	51
38) Carbon Tetrachloride	7.95	117	13523	7.36	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	39564	39.29	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	39564	107.12	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.33	75	270	1.15	ug/l #	1

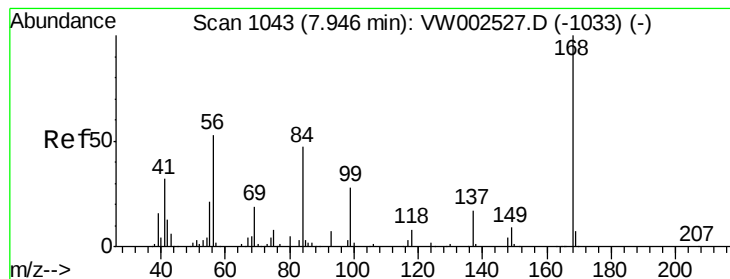
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002558.D

Acq: 15 May 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

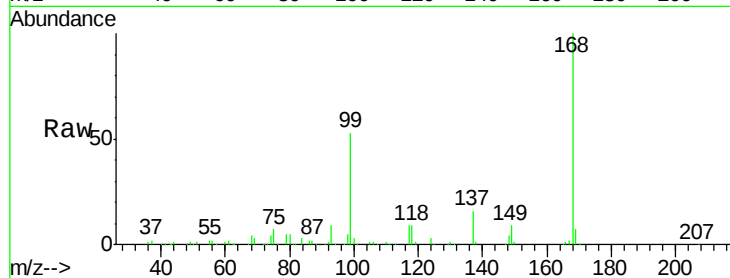
26KV-N1

Tgt Ion: 168 Resp: 139672

Ion Ratio Lower Upper

168 100

99 53.2 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

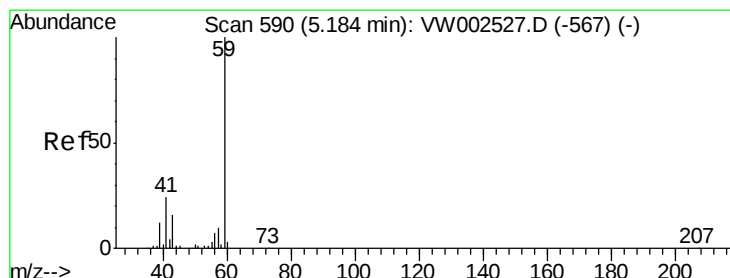
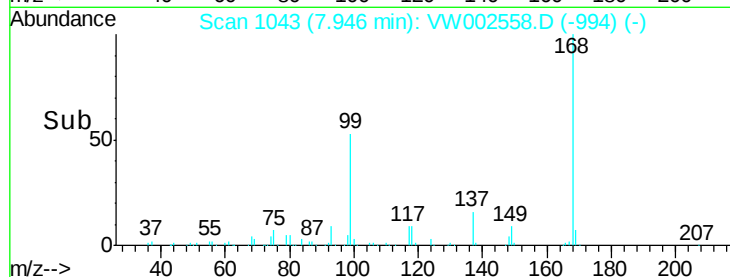
40000

20000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: 2.94 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.00 min

Lab File: VW002558.D

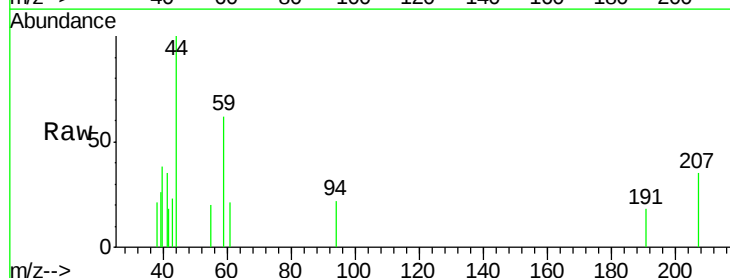
Acq: 15 May 2018 18:38

Tgt Ion: 59 Resp: 326

Ion Ratio Lower Upper

59 100

57 8.3 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

200

150

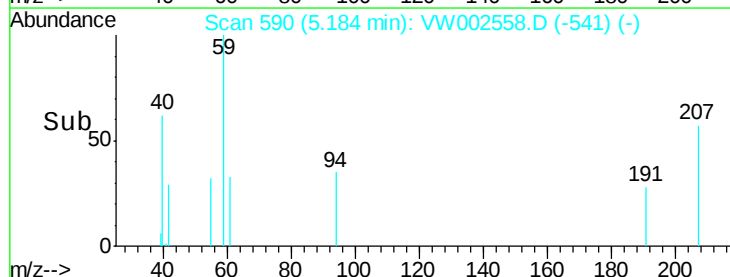
100

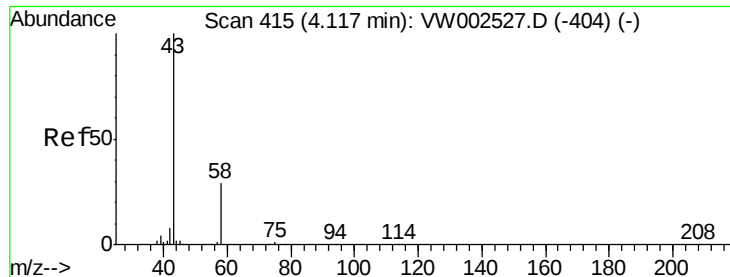
50

0

Time-->

5.14 5.16 5.18 5.20





#16

Acetone

Concen: 18.13 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002558.D

Acq: 15 May 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

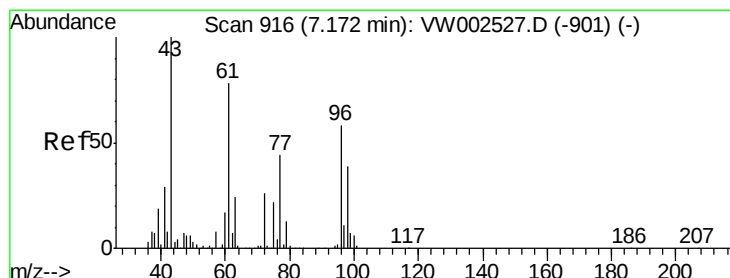
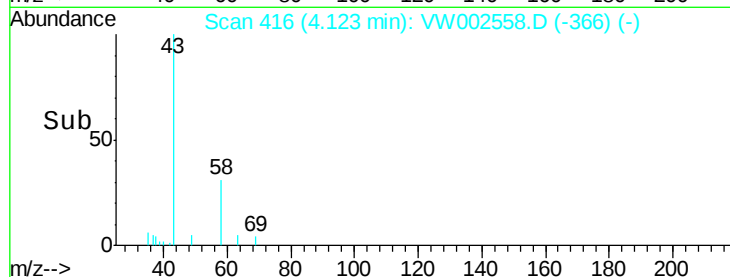
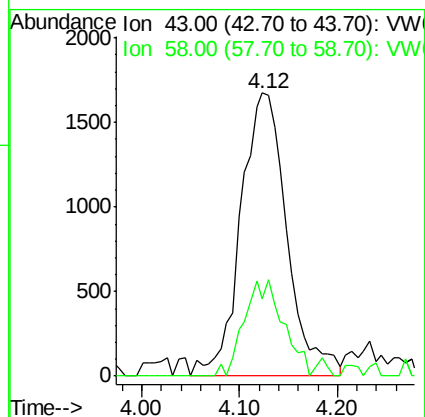
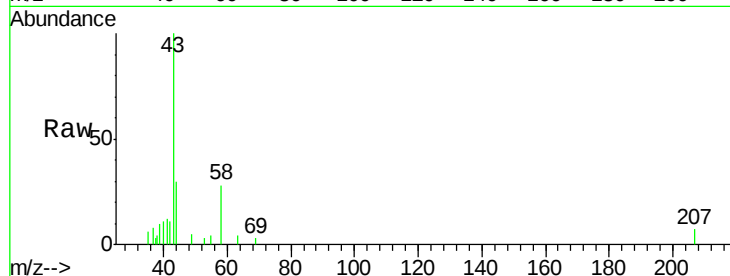
26KV-N1

Tgt Ion: 43 Resp: 5525

Ion Ratio Lower Upper

43 100

58 27.5 23.4 35.0



#25

2-Butanone

Concen: 2.47 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.02 min

Lab File: VW002558.D

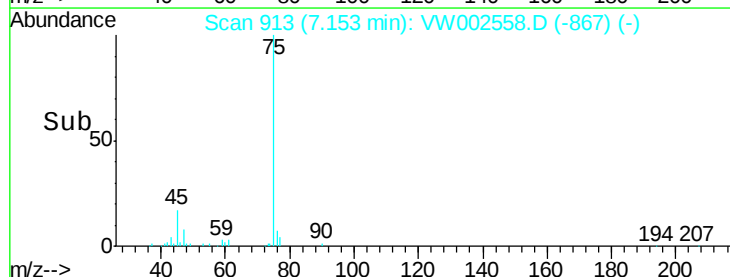
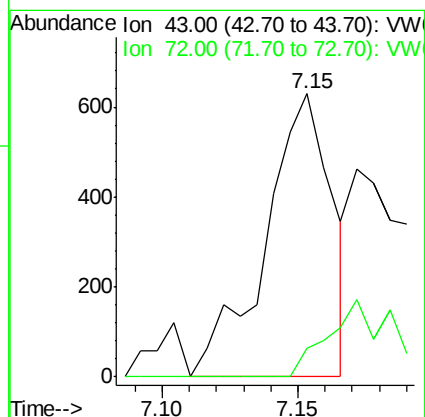
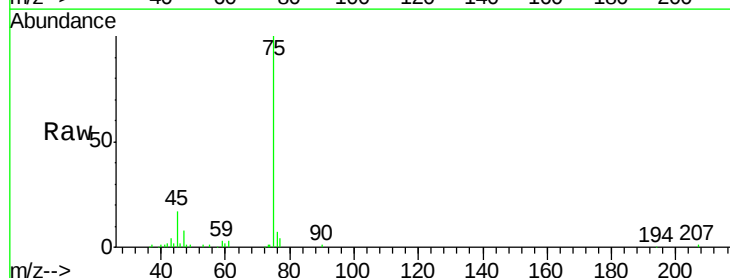
Acq: 15 May 2018 18:38

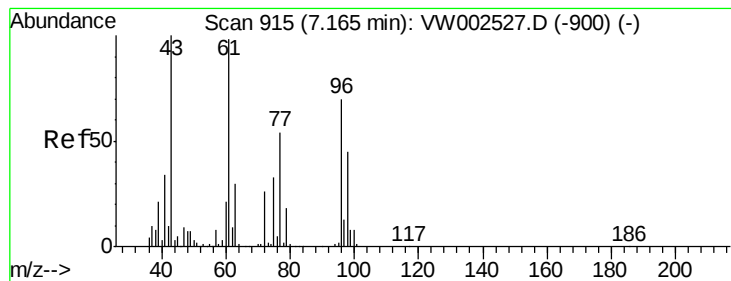
Tgt Ion: 43 Resp: 1064

Ion Ratio Lower Upper

43 100

72 10.3 20.9 31.3#





#26

2,2-Dichloropropane

Concen: 1.53 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002558.D

Acq: 15 May 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

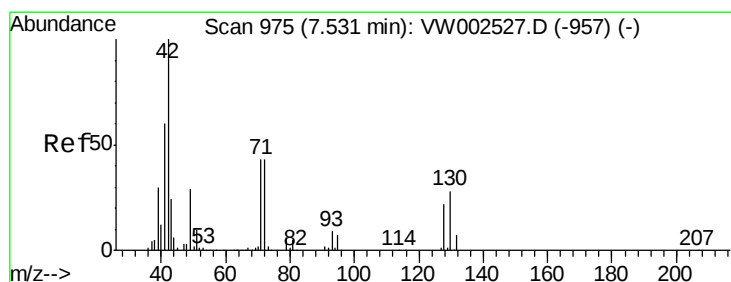
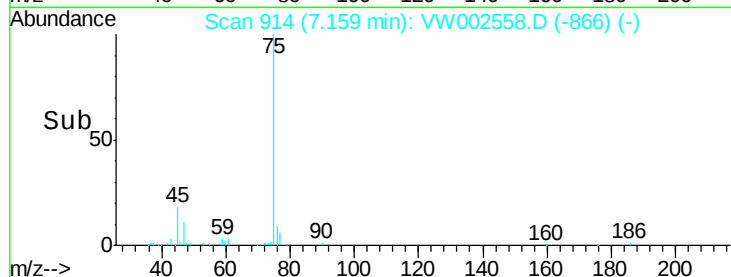
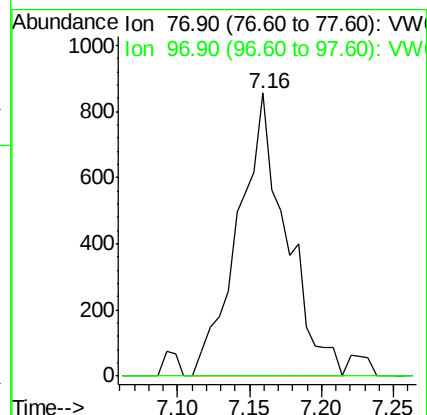
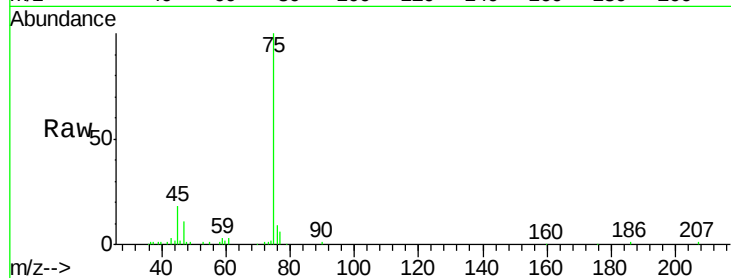
26KV-N1

Tgt Ion: 77 Resp: 1983

Ion Ratio Lower Upper

77 100

97 0.0 12.1 36.3#



#29

Tetrahydrofuran

Concen: 1.73 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW002558.D

Acq: 15 May 2018 18:38

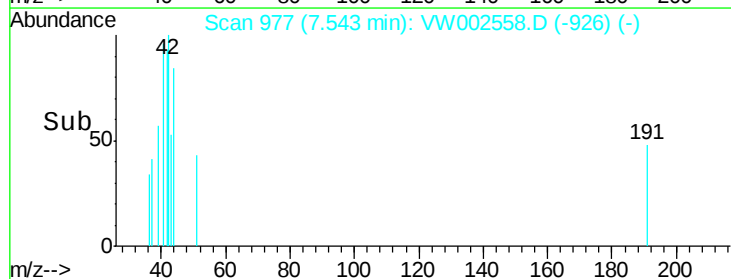
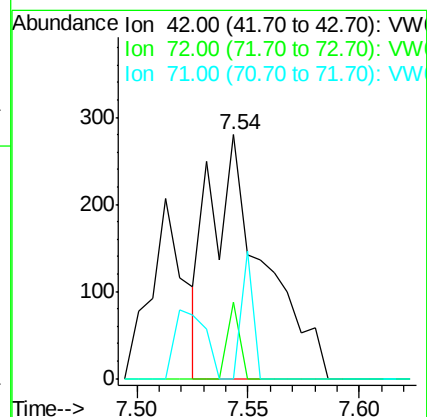
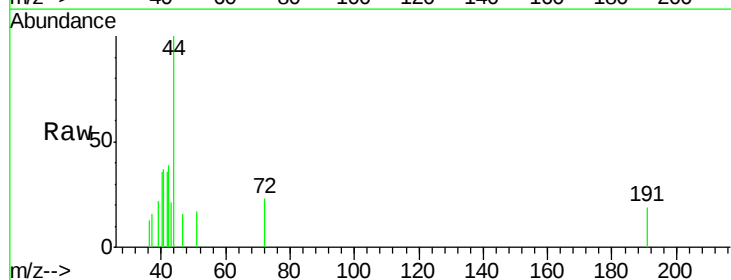
Tgt Ion: 42 Resp: 466

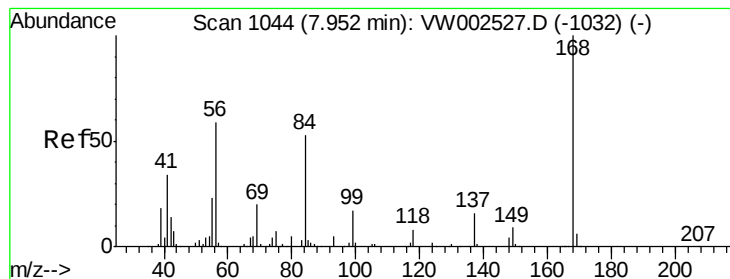
Ion Ratio Lower Upper

42 100

72 6.9 35.0 52.4#

71 11.6 33.0 49.6#





#31

Cyclohexane

Concen: 1.60 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW002558.D

Acq: 15 May 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

26KV-N1

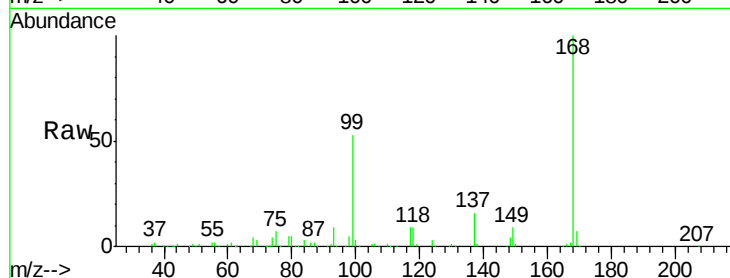
Tgt Ion: 56 Resp: 3288

Ion Ratio Lower Upper

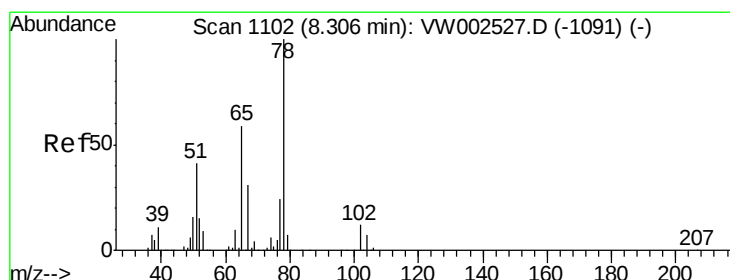
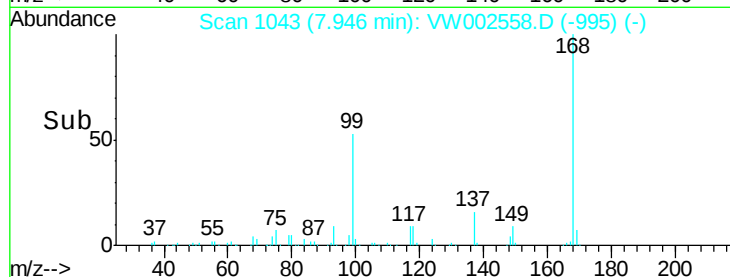
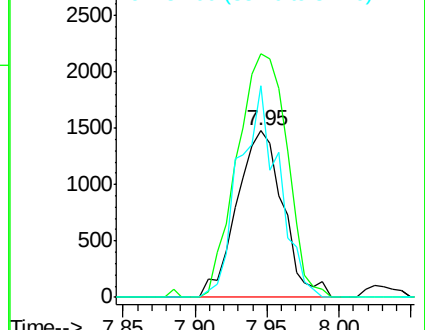
56 100

69 146.4 27.0 40.4#

84 127.1 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: 46.46 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002558.D

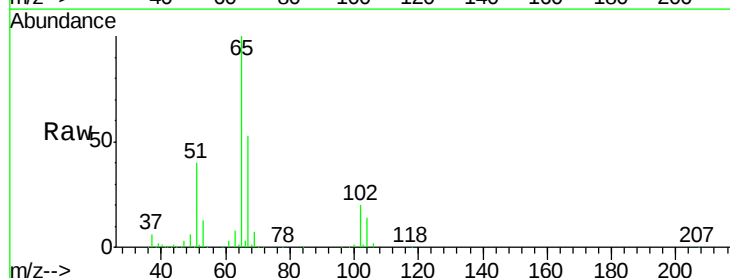
Acq: 15 May 2018 18:38

Tgt Ion: 65 Resp: 67060

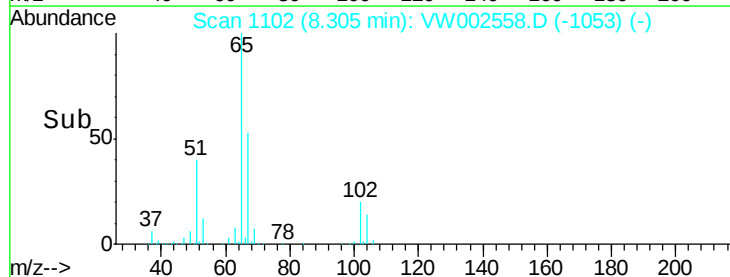
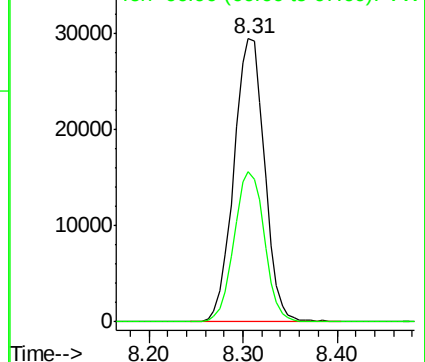
Ion Ratio Lower Upper

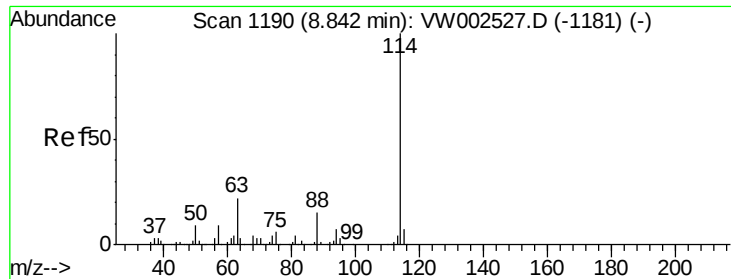
65 100

67 52.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

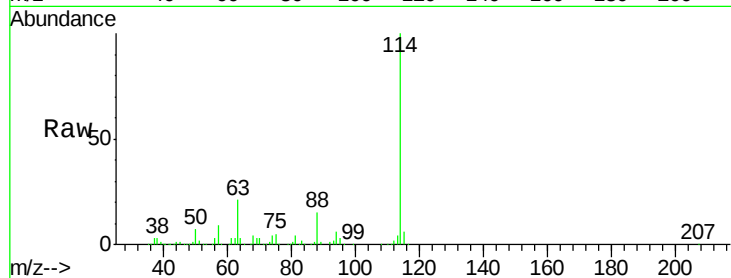




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002558.D
 Acq: 15 May 2018 18:38

Instrument :
 MSVOA_W
 ClientSampleId :
 26KV-N1

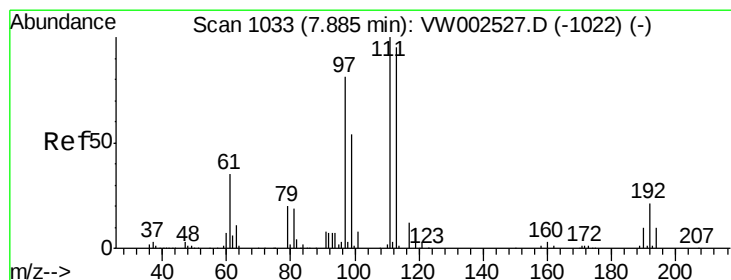
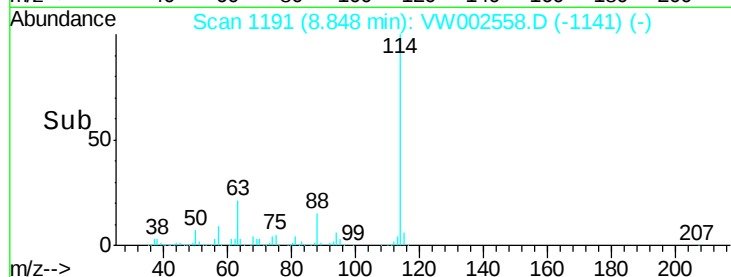
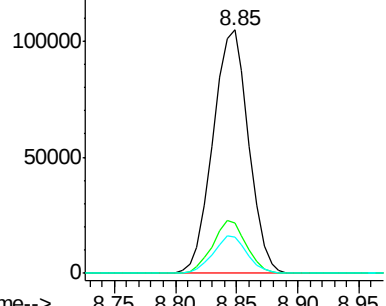
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.2
88	14.9	0.0	29.2



Abundance Ion 113.90 (113.60 to 114.60): V

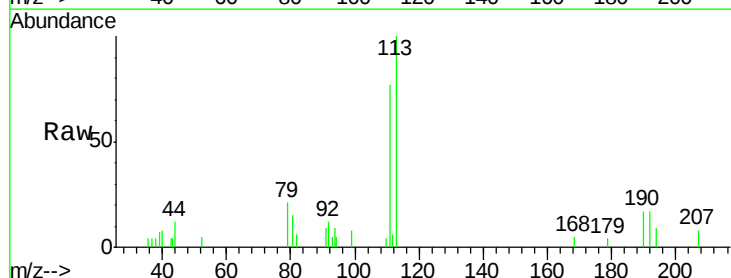
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 2.53 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW002558.D
 Acq: 15 May 2018 18:38

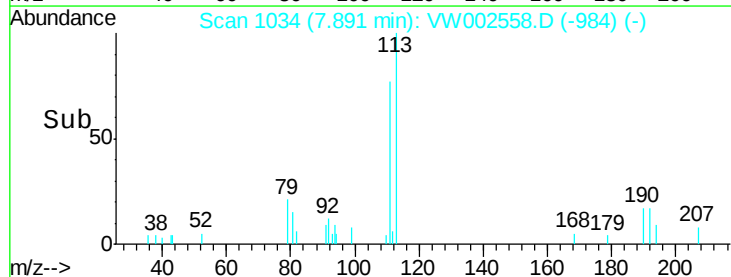
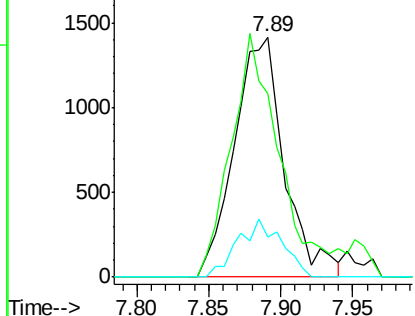
Tgt Ion	Ratio	Lower	Upper
113	100		
111	96.7	81.8	122.8
192	21.5	17.5	26.3

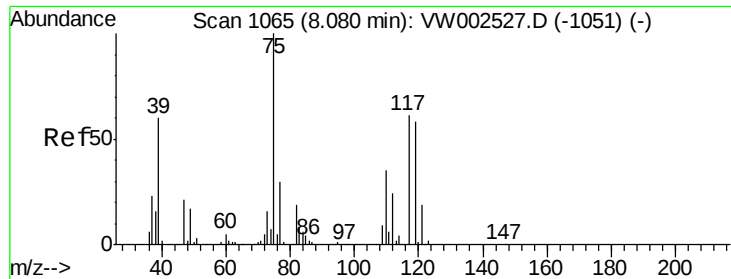


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.44 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW002558.D

Acq: 15 May 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

26KV-N1

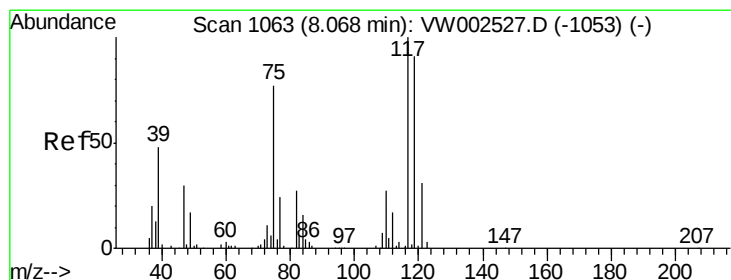
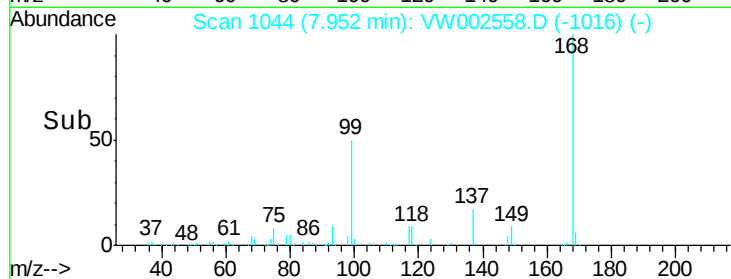
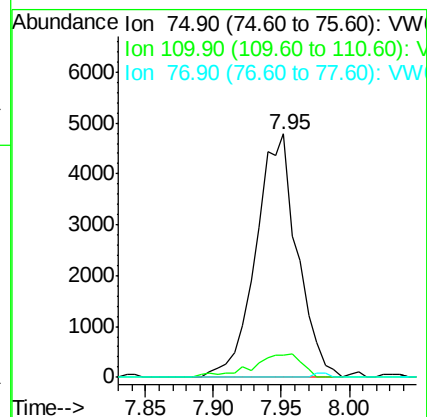
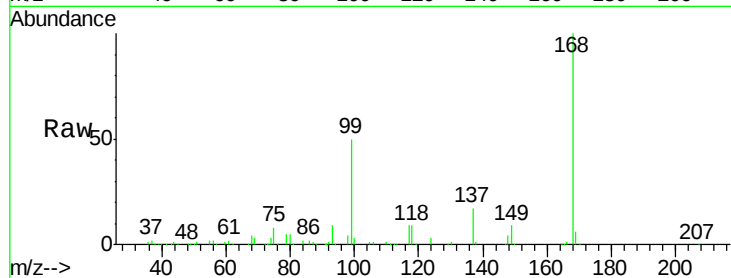
Tgt Ion: 75 Resp: 10198

Ion Ratio Lower Upper

75 100

110 10.7 17.8 53.5#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 7.36 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW002558.D

Acq: 15 May 2018 18:38

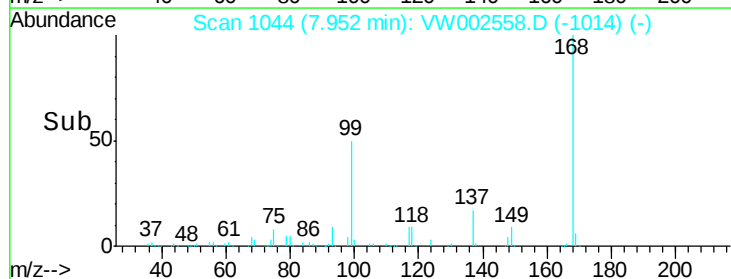
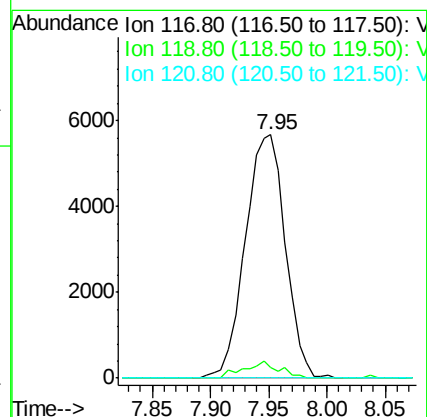
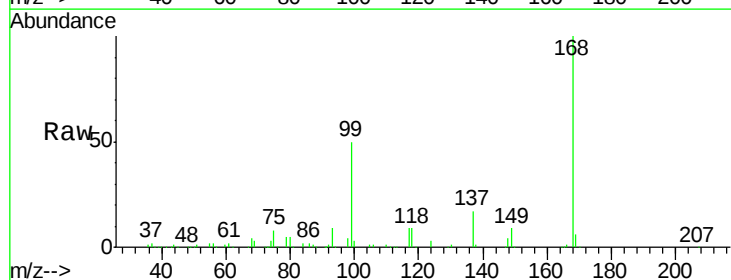
Tgt Ion: 117 Resp: 13523

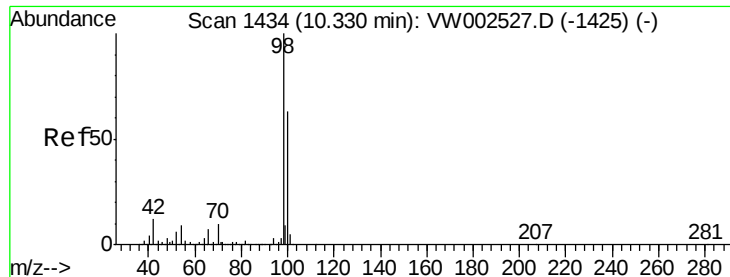
Ion Ratio Lower Upper

117 100

119 4.5 73.1 109.7#

121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 38.80 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002558.D

Acq: 15 May 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

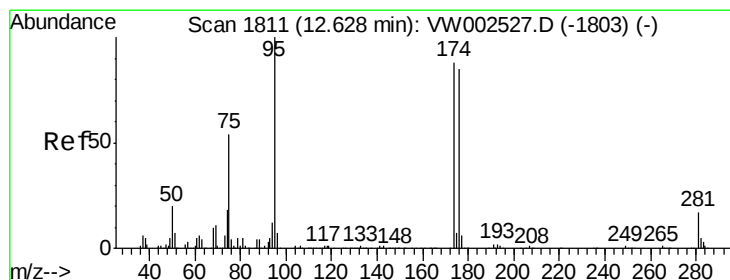
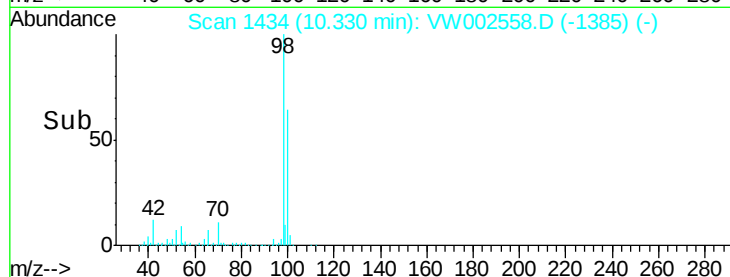
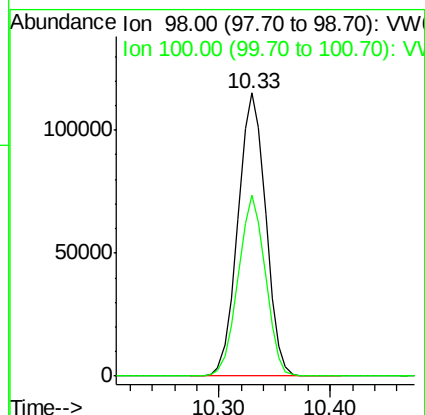
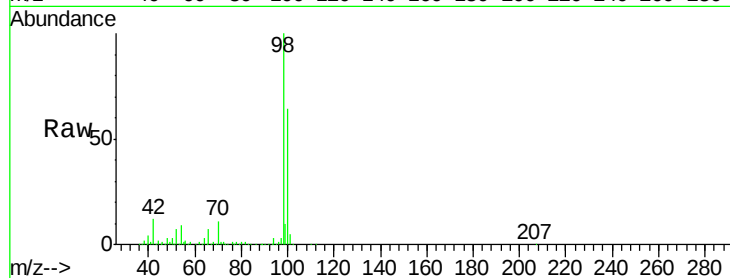
26KV-N1

Tgt Ion: 98 Resp: 199043

Ion Ratio Lower Upper

98 100

100 62.7 51.0 76.4



#62

4-Bromofluorobenzene

Concen: 41.26 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002558.D

Acq: 15 May 2018 18:38

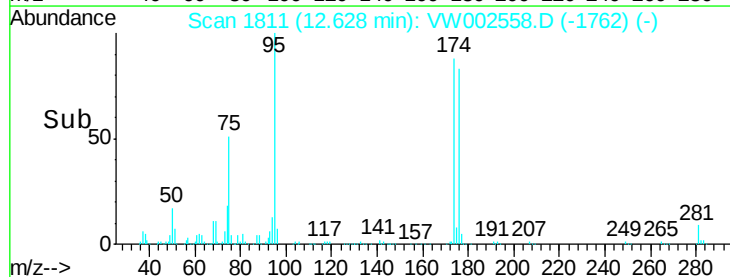
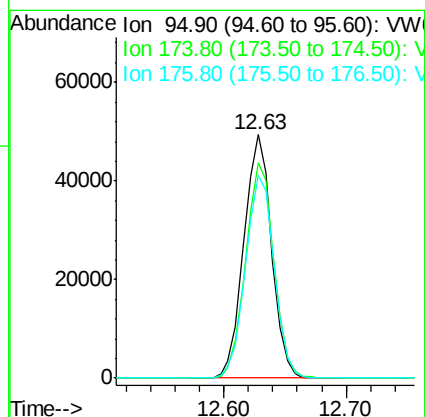
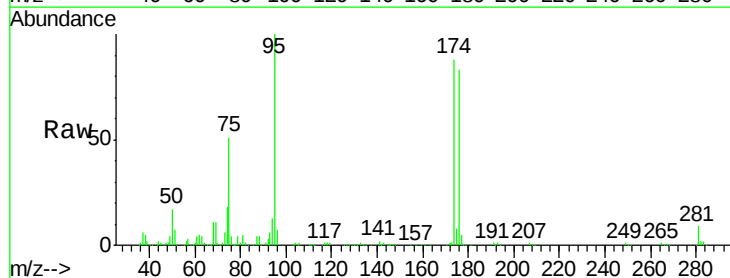
Tgt Ion: 95 Resp: 77406

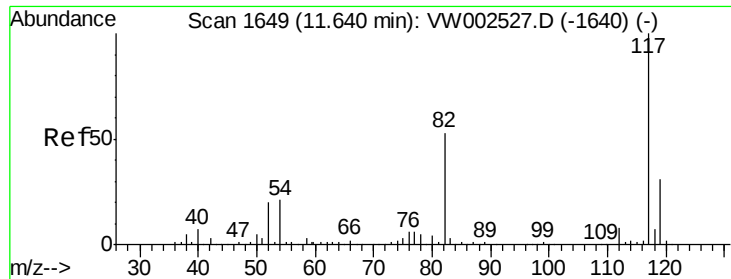
Ion Ratio Lower Upper

95 100

174 90.6 0.0 176.6

176 86.4 0.0 172.2

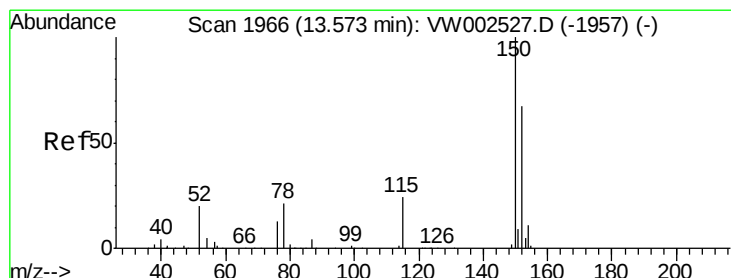
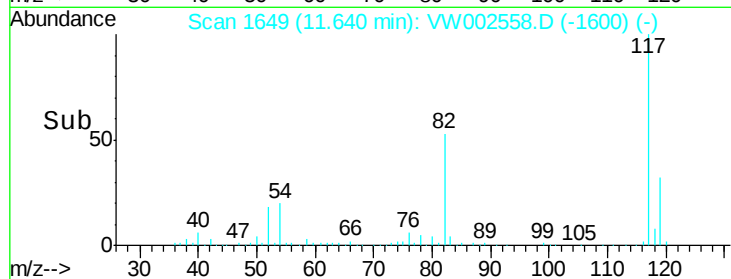
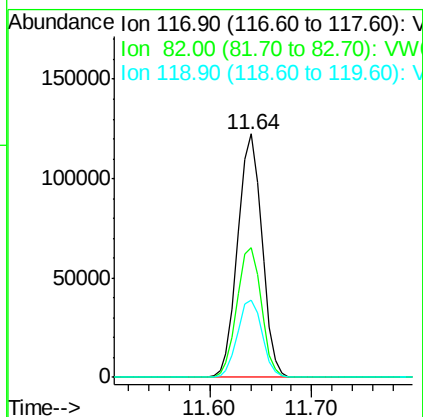
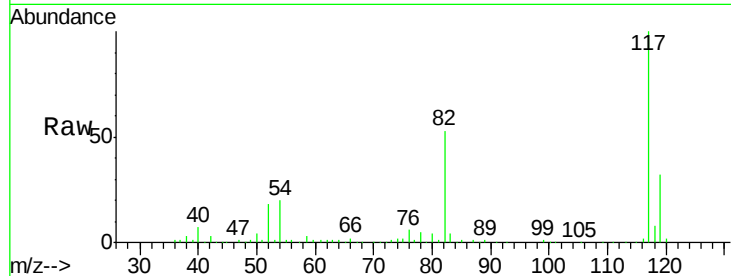




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002558.D
Acq: 15 May 2018 18:38

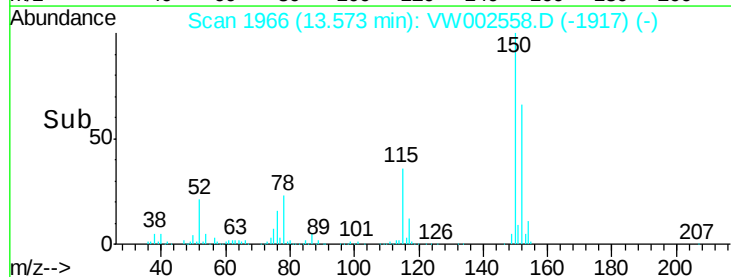
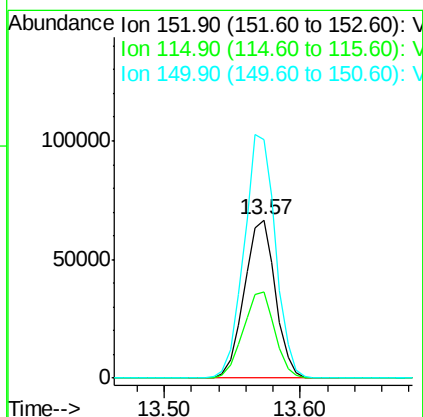
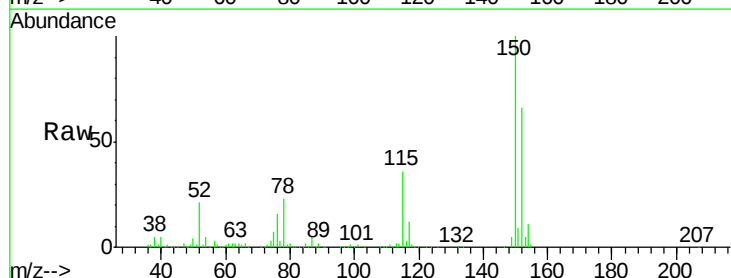
Instrument :
MSVOA_W
ClientSampleId :
26KV-N1

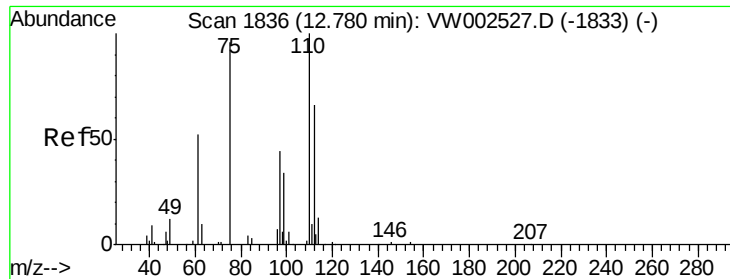
Tgt Ion:117 Resp: 201197
Ion Ratio Lower Upper
117 100
82 53.1 42.6 64.0
119 31.9 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002558.D
Acq: 15 May 2018 18:38

Tgt Ion:152 Resp: 106528
Ion Ratio Lower Upper
152 100
115 55.7 28.0 84.0
150 155.8 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 39.29 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002558.D

Acq: 15 May 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

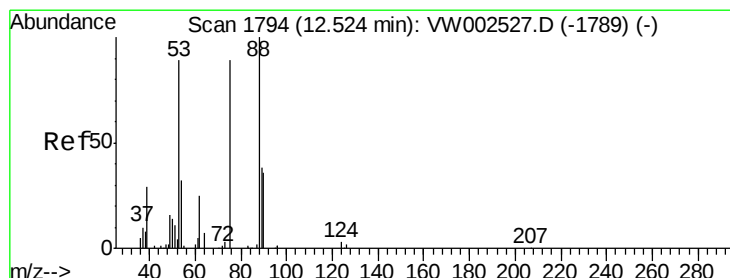
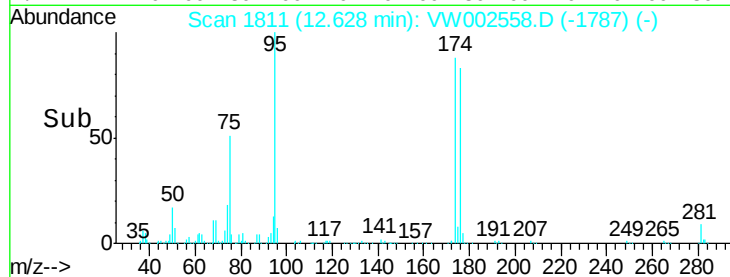
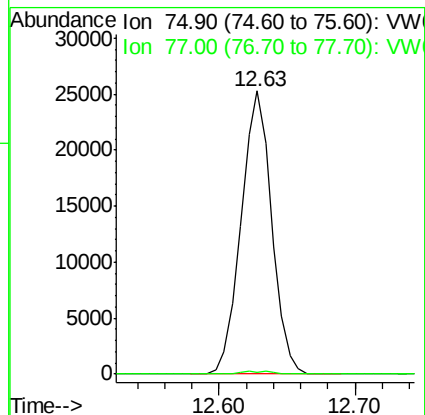
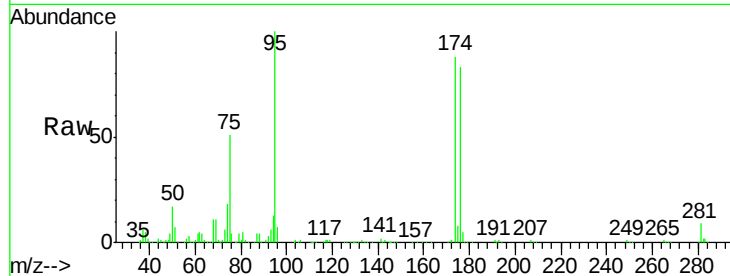
26KV-N1

Tgt Ion: 75 Resp: 39564

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.12 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002558.D

Acq: 15 May 2018 18:38

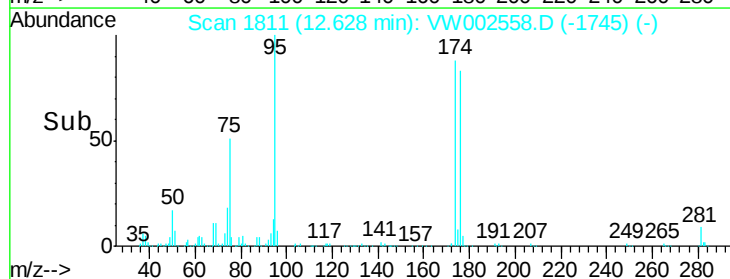
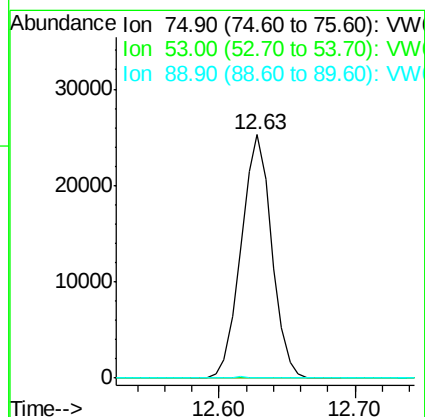
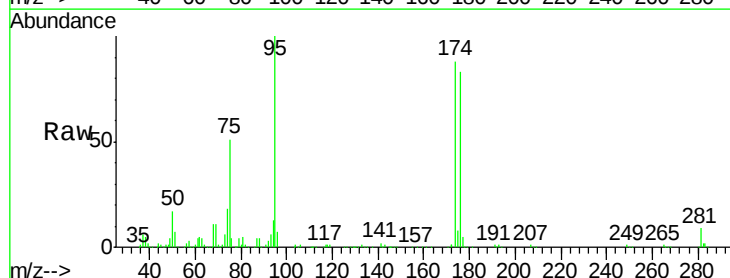
Tgt Ion: 75 Resp: 39564

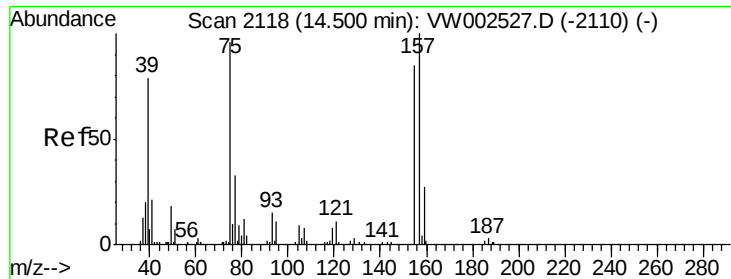
Ion Ratio Lower Upper

75 100

53 0.1 82.6 124.0#

89 0.2 39.2 58.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.15 ug/l

RT: 14.33 min Scan# 2091

Delta R.T. -0.16 min

Lab File: VW002558.D

Acq: 15 May 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

26KV-N1

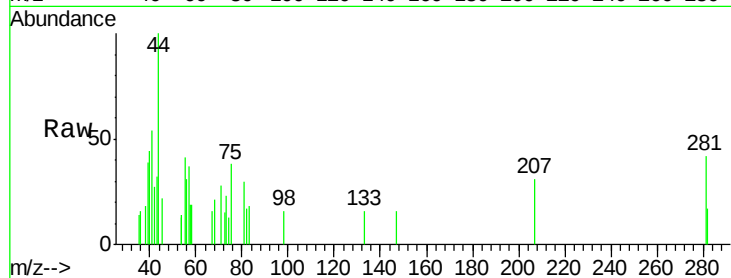
Tgt Ion: 75 Resp: 270

Ion Ratio Lower Upper

75 100

155 0.0 42.8 128.4#

157 0.0 57.4 172.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

