

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002559.D
 Acq On : 15 May 2018 19:04
 Operator : JC/SY
 Sample : J2888-21
 Misc : 5.05G/10ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 26KV-N2

Quant Time: May 16 05:47:01 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	146298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	224324	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	213139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	109513	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	68878	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	
35) Dibromofluoromethane	7.88	113	7144	5.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.04%	
50) Toluene-d8	10.33	98	201317	37.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.36%	
62) 4-Bromofluorobenzene	12.63	95	76780	38.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.56%	

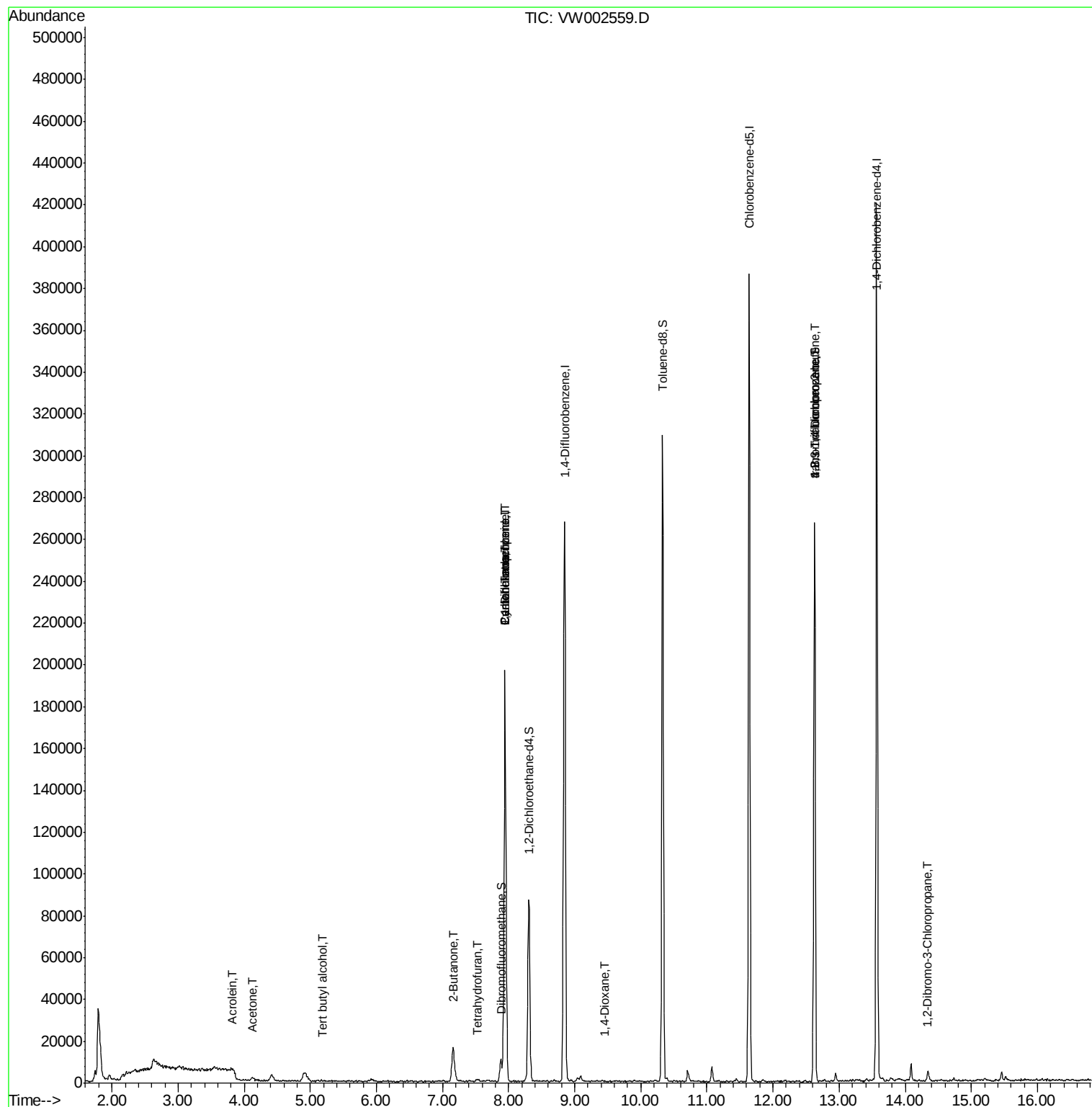
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	256	2.20	ug/l #	80
13) Acrolein	3.82	56	200	1.75	ug/l #	1
16) Acetone	4.12	43	3011	9.43	ug/l	95
20) Methylene Chloride	4.90	84	2182	Below Cal		97
25) 2-Butanone	7.15	43	1101	2.44	ug/l #	49
29) Tetrahydrofuran	7.54	42	624	2.21	ug/l #	52
31) Cyclohexane	7.94	56	3222	1.50	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	10941	5.53	ug/l #	50
38) Carbon Tetrachloride	7.95	117	13692	7.06	ug/l #	18
49) 1,4-Dioxane	9.46	88	19	1.38	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	39898	38.54	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	39898	105.08	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.34	75	258	1.07	ug/l #	1

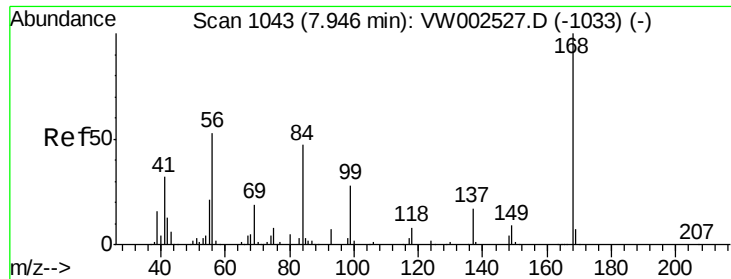
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW002559.D

Acq: 15 May 2018 19:04

Instrument :

MSVOA_W

ClientSampleId :

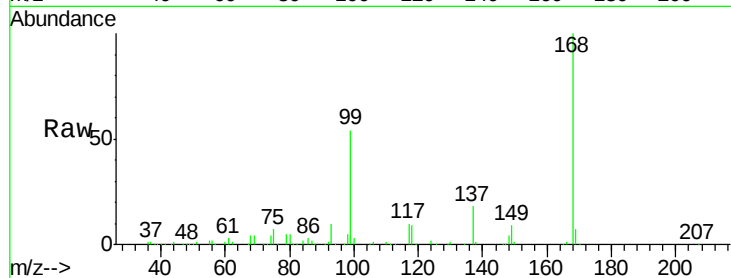
26KV-N2

Tgt Ion:168 Resp: 146298

Ion Ratio Lower Upper

168 100

99 54.5 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

60000

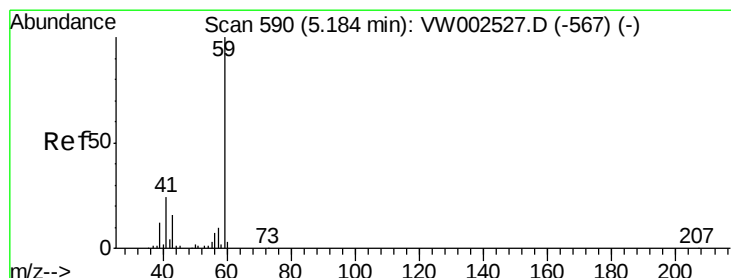
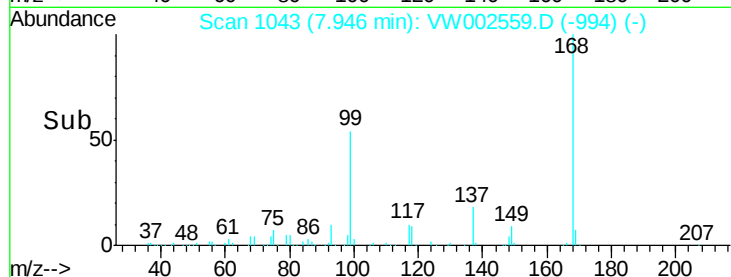
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 2.20 ug/l

RT: 5.19 min Scan# 591

Delta R.T. 0.01 min

Lab File: VW002559.D

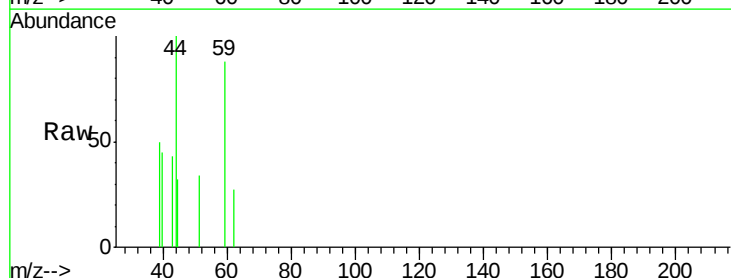
Acq: 15 May 2018 19:04

Tgt Ion: 59 Resp: 256

Ion Ratio Lower Upper

59 100

57 17.6 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.19

200

150

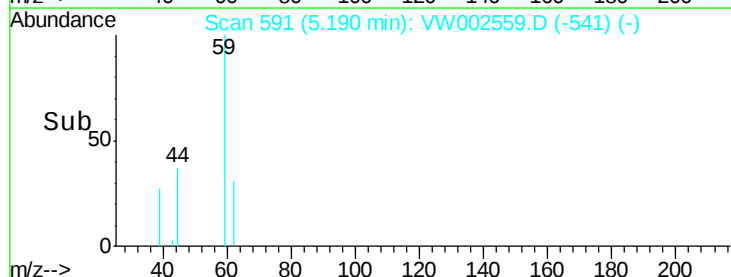
100

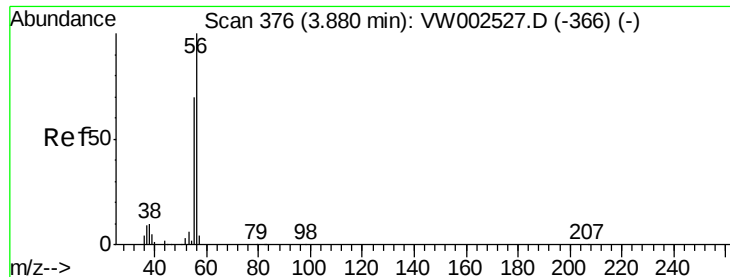
50

0

5.14 5.16 5.18 5.20 5.22

Time-->

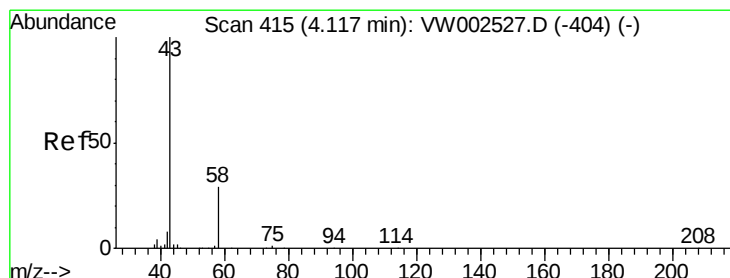
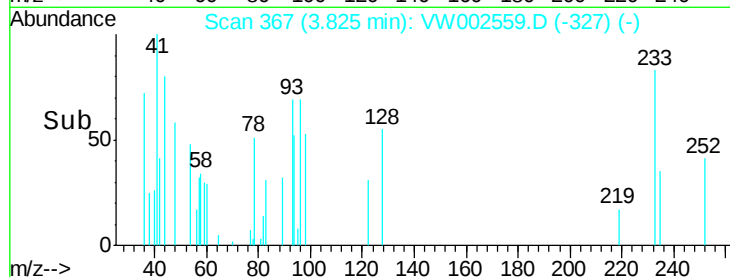
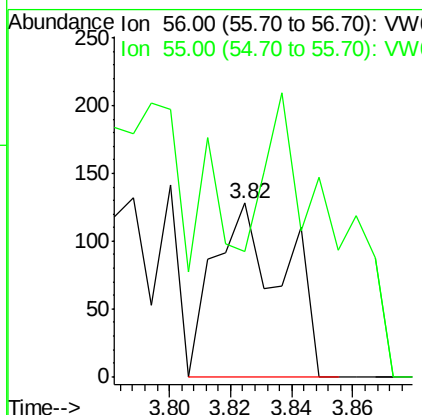
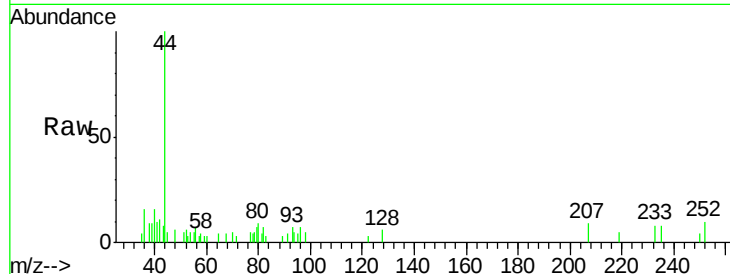




#13
Acrolein
Concen: 1.75 ug/l
RT: 3.82 min Scan# 367
Delta R.T. -0.05 min
Lab File: VW002559.D
Acq: 15 May 2018 19:04

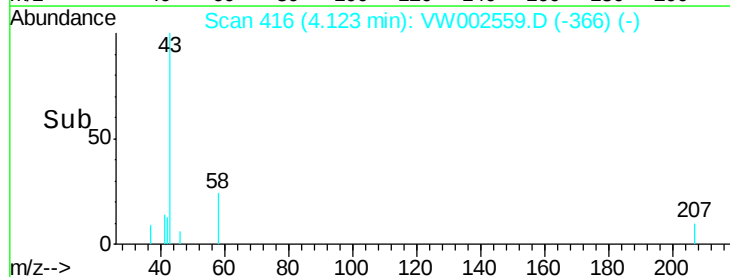
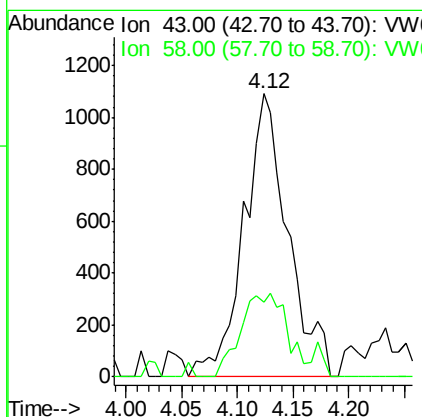
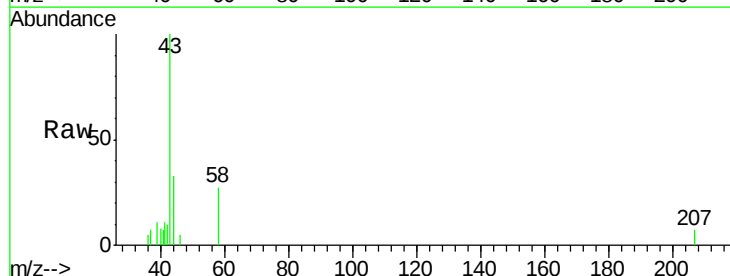
Instrument :
MSVOA_W
ClientSampleId :
26KV-N2

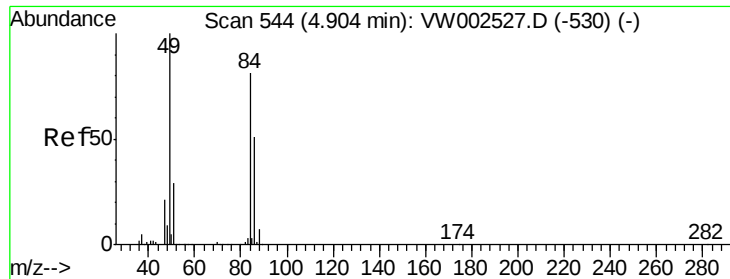
Tgt Ion: 56 Resp: 200
Ion Ratio Lower Upper
56 100
55 167.0 57.0 85.4#



#16
Acetone
Concen: 9.43 ug/l
RT: 4.12 min Scan# 416
Delta R.T. 0.01 min
Lab File: VW002559.D
Acq: 15 May 2018 19:04

Tgt Ion: 43 Resp: 3011
Ion Ratio Lower Upper
43 100
58 26.6 23.4 35.0

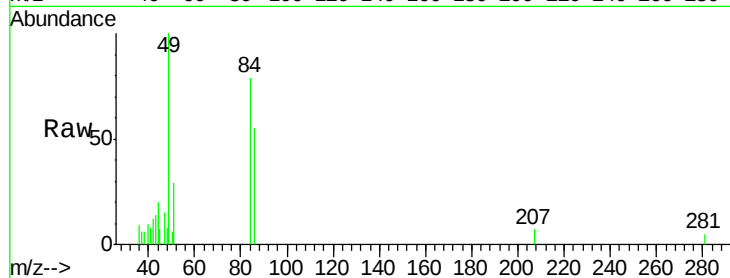




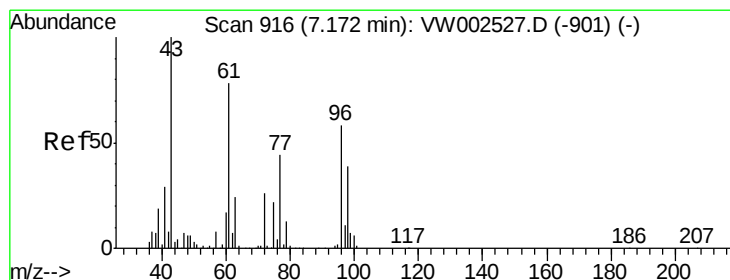
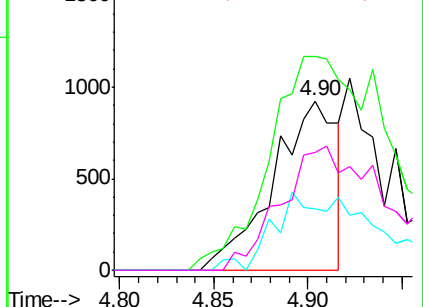
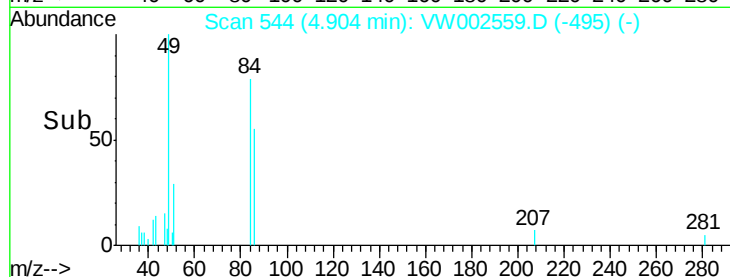
#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 544
Delta R.T. 0.00 min
Lab File: VW002559.D
Acq: 15 May 2018 19:04

Instrument :
MSVOA_W
ClientSampleId :
26KV-N2

Tgt Ion: 84 Resp: 2182
Ion Ratio Lower Upper
84 100
49 126.0 99.4 149.0
51 36.2 29.0 43.6
86 69.2 50.3 75.5

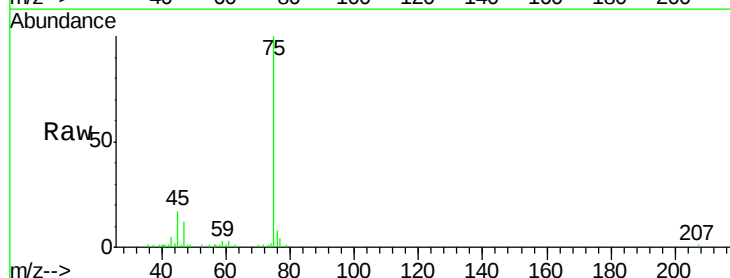


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

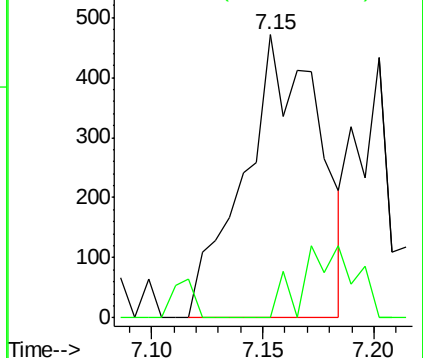
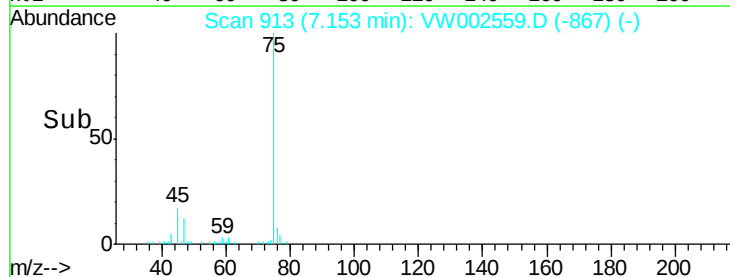


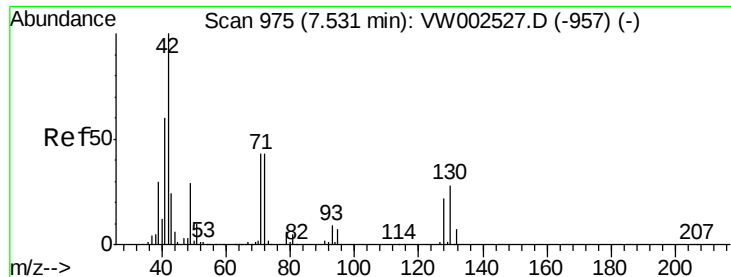
#25
2-Butanone
Concen: 2.44 ug/l
RT: 7.15 min Scan# 913
Delta R.T. -0.02 min
Lab File: VW002559.D
Acq: 15 May 2018 19:04

Tgt Ion: 43 Resp: 1101
Ion Ratio Lower Upper
43 100
72 0.0 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: 2.21 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.01 min

Lab File: VW002559.D

Acq: 15 May 2018 19:04

Instrument :

MSVOA_W

ClientSampleId :

26KV-N2

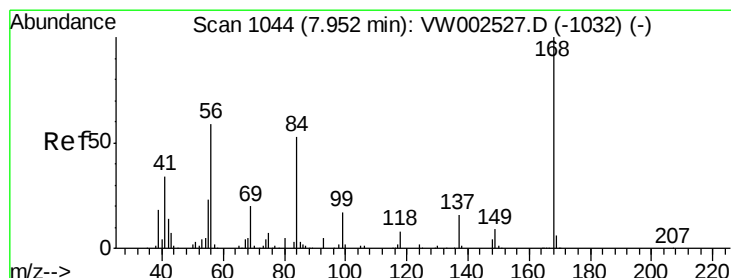
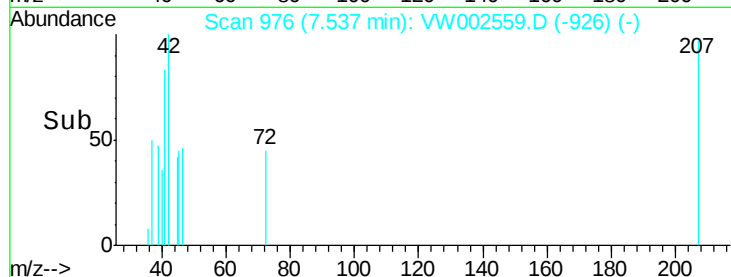
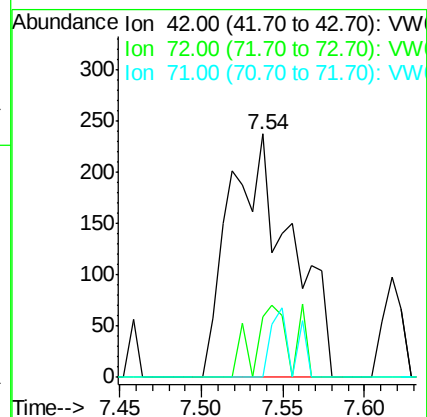
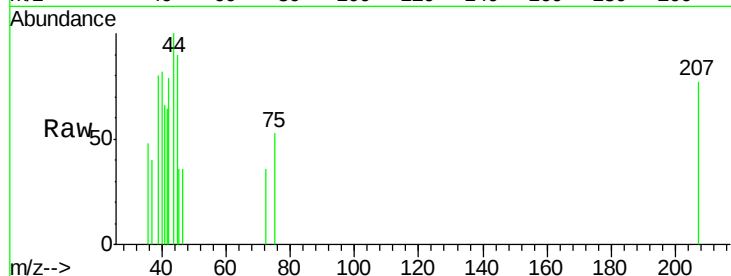
Tgt Ion: 42 Resp: 624

Ion Ratio Lower Upper

42 100

72 14.3 35.0 52.4#

71 10.3 33.0 49.6#



#31

Cyclohexane

Concen: 1.50 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VW002559.D

Acq: 15 May 2018 19:04

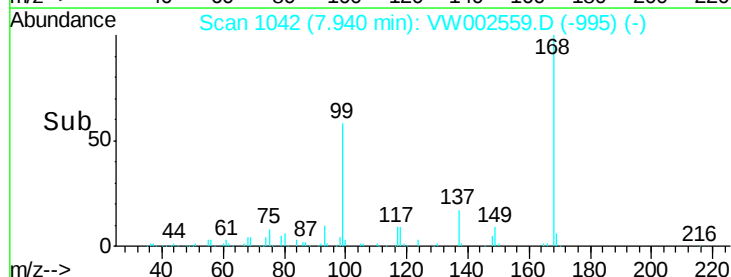
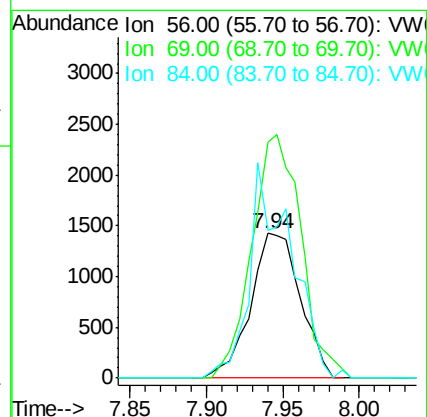
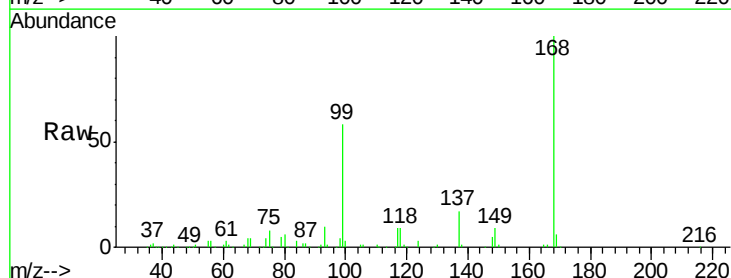
Tgt Ion: 56 Resp: 3222

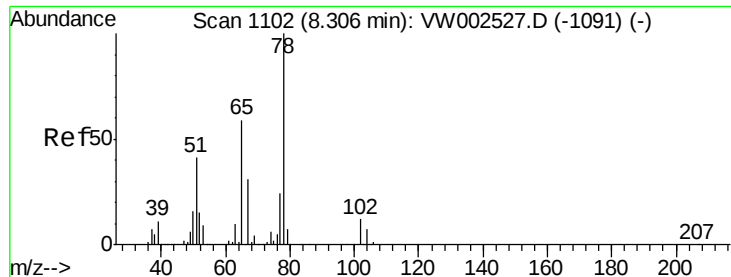
Ion Ratio Lower Upper

56 100

69 162.7 27.0 40.4#

84 102.2 72.2 108.2

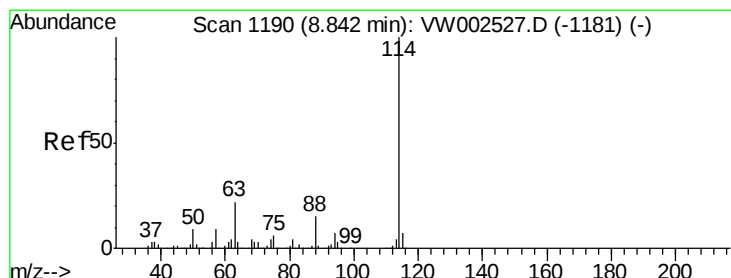
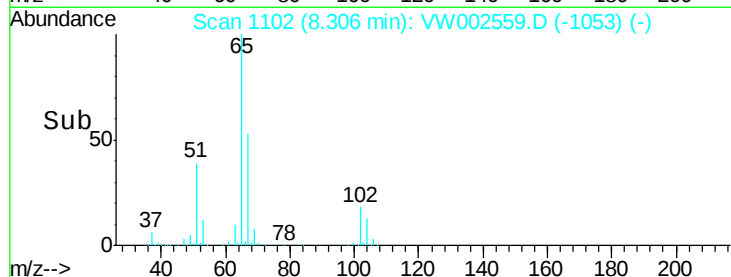
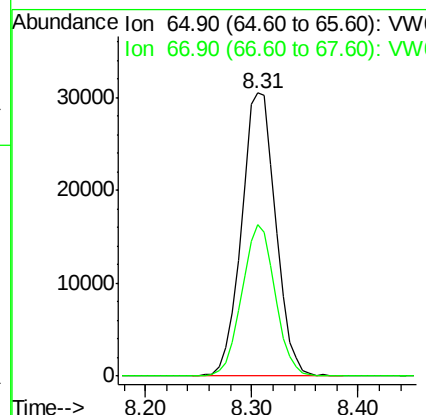
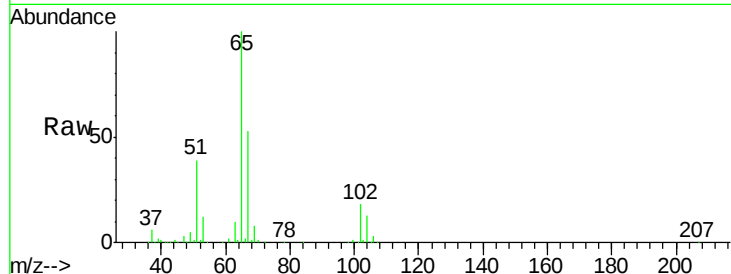




#33
 1,2-Dichloroethane-d4
 Concen: 45.56 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW002559.D
 Acq: 15 May 2018 19:04

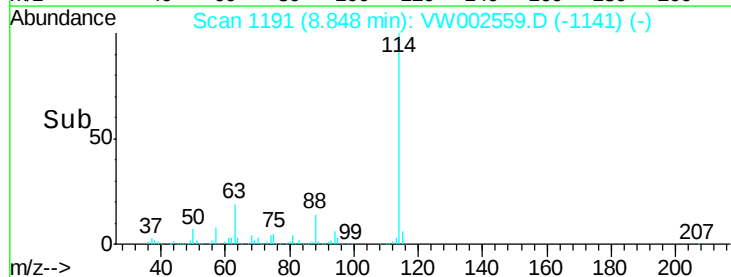
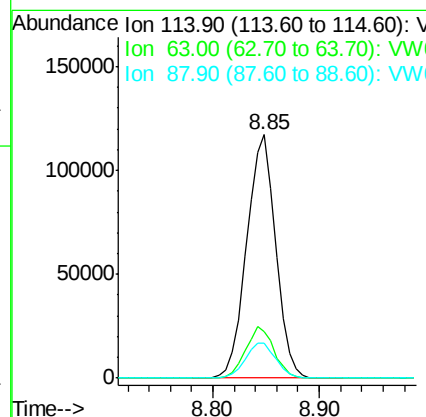
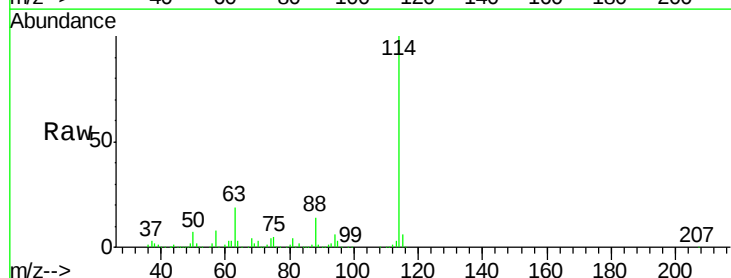
Instrument :
 MSVOA_W
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 26KV-N2

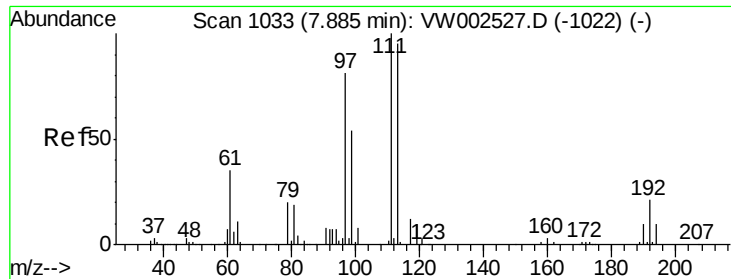
Tgt Ion: 65 Resp: 68878
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002559.D
 Acq: 15 May 2018 19:04

Tgt Ion: 114 Resp: 224324
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 43.2
 88 14.4 0.0 29.2

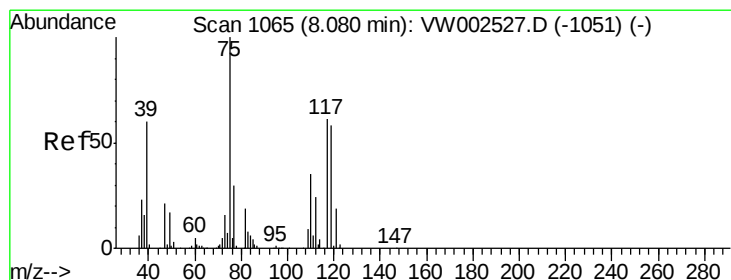
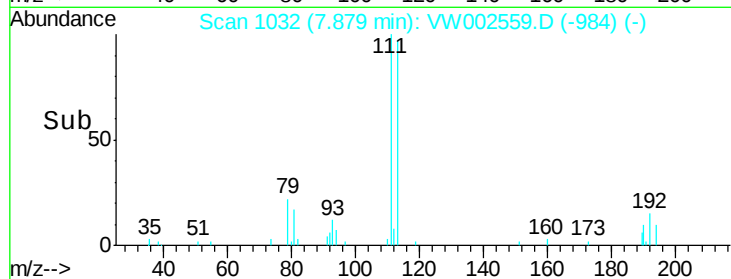
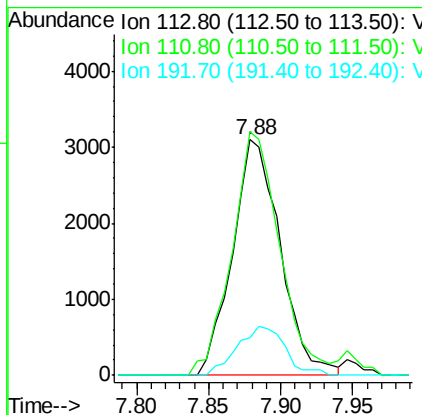
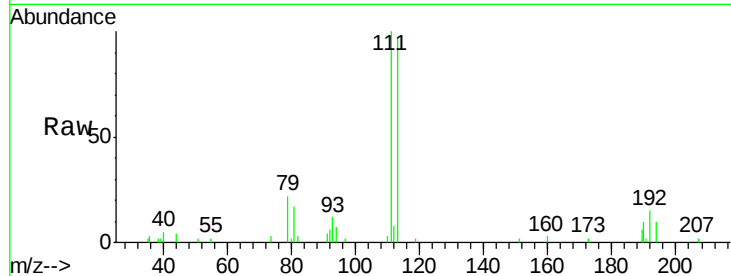




#35
 Dibromofluoromethane
 Concen: 5.02 ug/l
 RT: 7.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: VW002559.D
 Acq: 15 May 2018 19:04

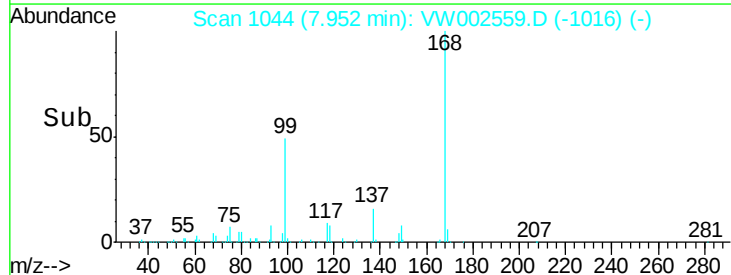
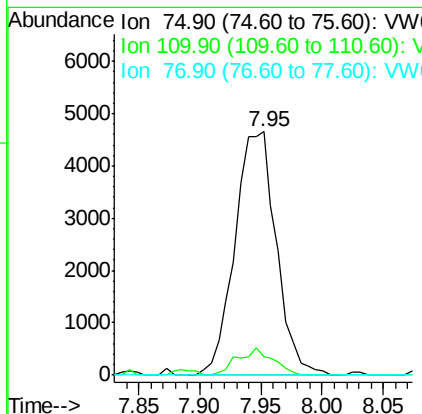
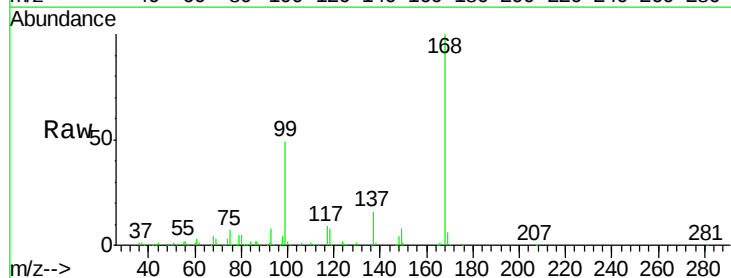
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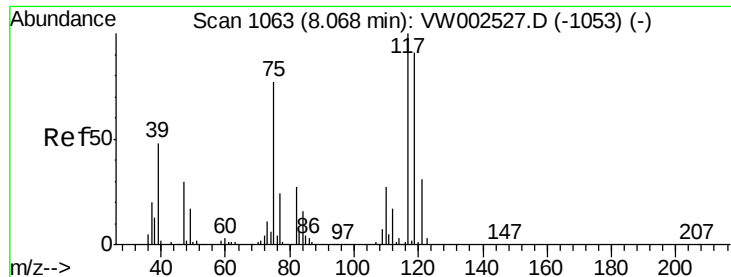
Tgt Ion: 113 Resp: 7144
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.8 122.8
 192 20.8 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 5.53 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW002559.D
 Acq: 15 May 2018 19:04

Tgt Ion: 75 Resp: 10941
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.8 53.5#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 7.06 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002559.D

Acq: 15 May 2018 19:04

Instrument :

MSVOA_W

ClientSampled :

26KV-N2

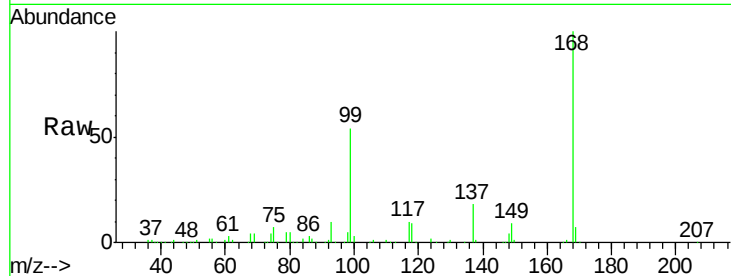
Tgt Ion:117 Resp: 13692

Ion Ratio Lower Upper

117 100

119 4.6 73.1 109.7#

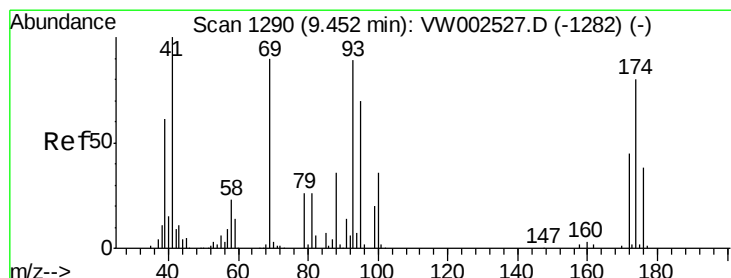
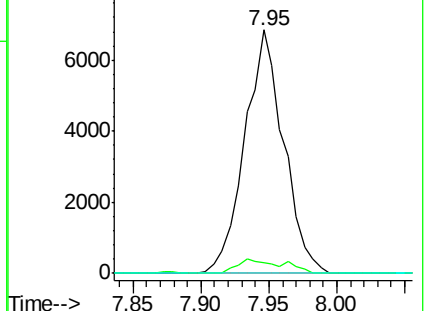
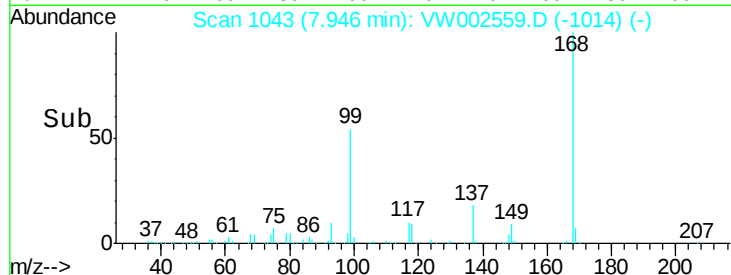
121 0.0 24.4 36.6#



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: 1.38 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. 0.01 min

Lab File: VW002559.D

Acq: 15 May 2018 19:04

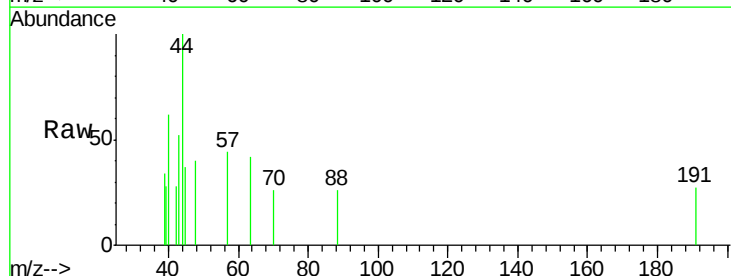
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 557.9 27.0 40.4#

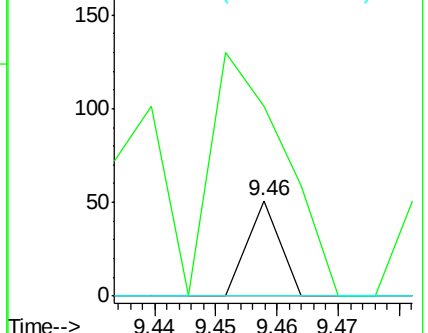
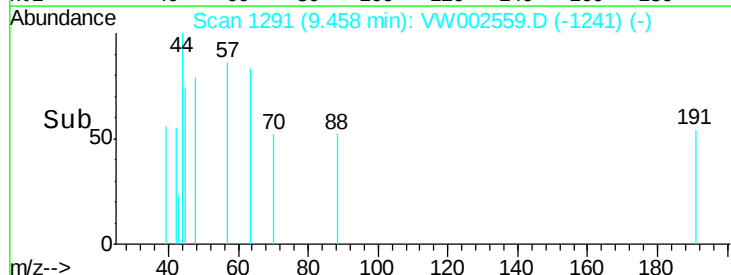
58 0.0 56.9 85.3#

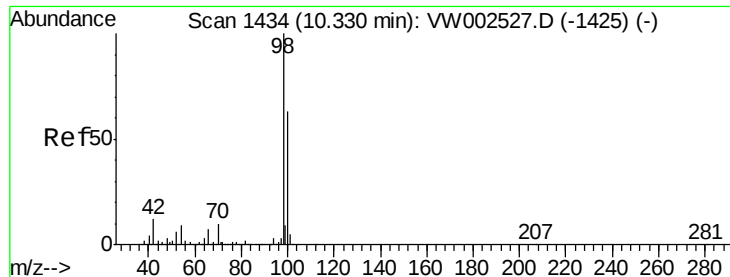


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 37.18 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW002559.D

Acq: 15 May 2018 19:04

Instrument :

MSVOA_W

ClientSampleId :

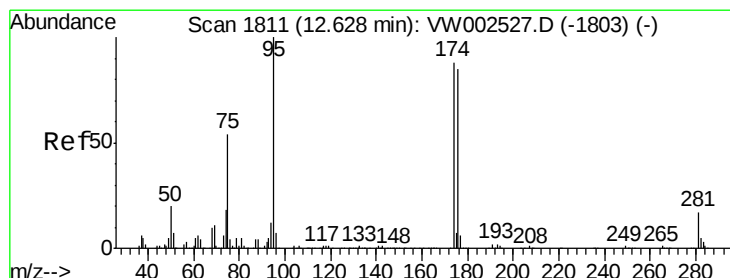
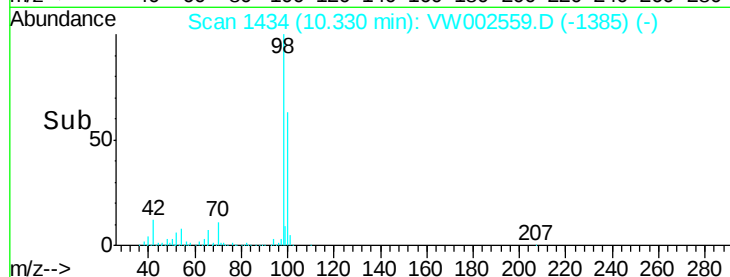
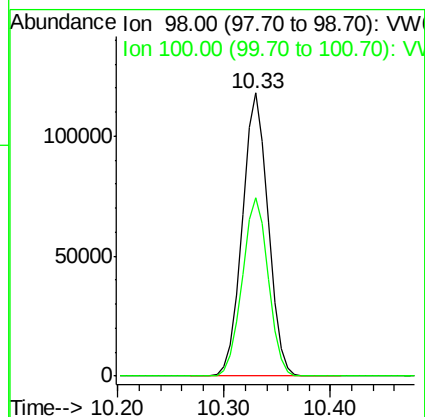
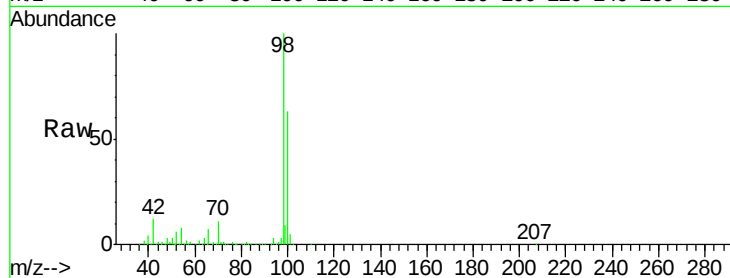
26KV-N2

Tgt Ion: 98 Resp: 201317

Ion Ratio Lower Upper

98 100

100 63.5 51.0 76.4



#62

4-Bromofluorobenzene

Concen: 38.78 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW002559.D

Acq: 15 May 2018 19:04

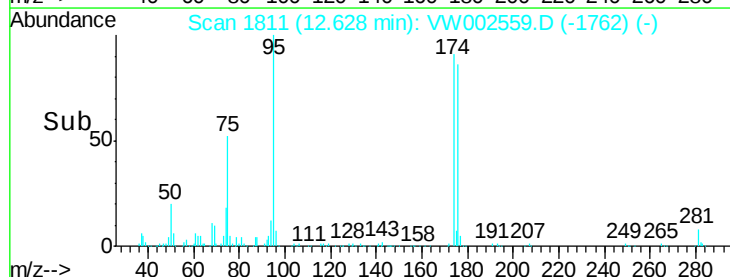
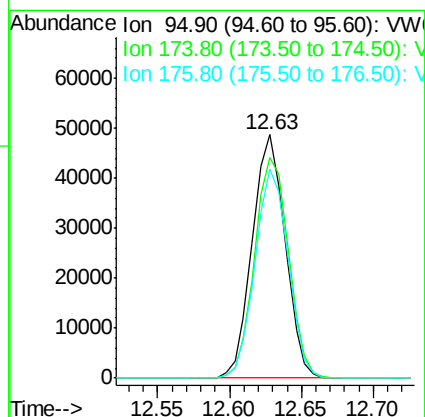
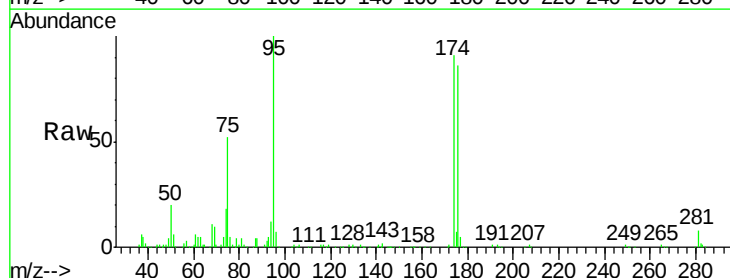
Tgt Ion: 95 Resp: 76780

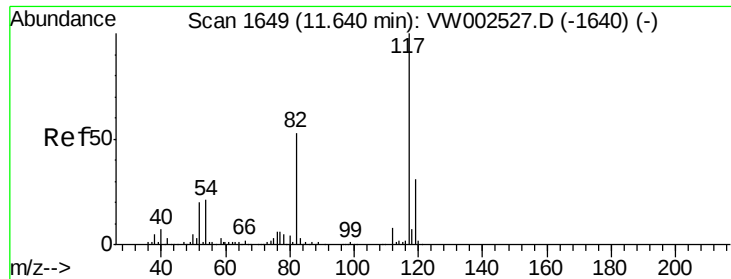
Ion Ratio Lower Upper

95 100

174 93.4 0.0 176.6

176 86.7 0.0 172.2

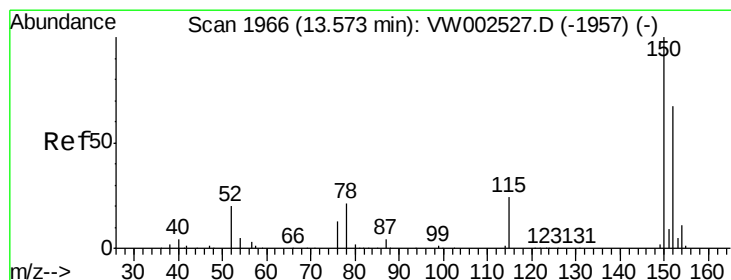
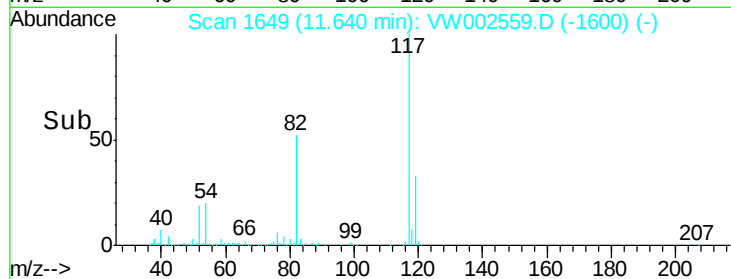
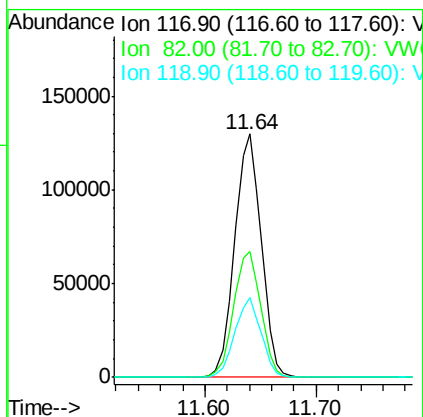
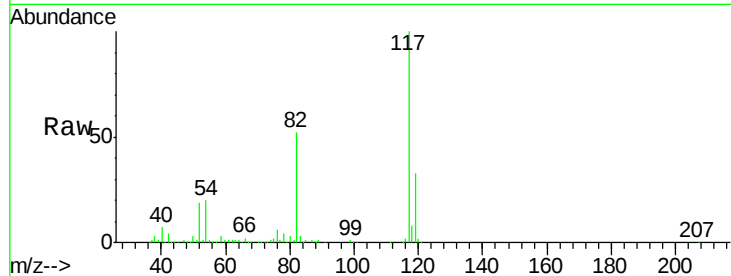




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW002559.D
Acq: 15 May 2018 19:04

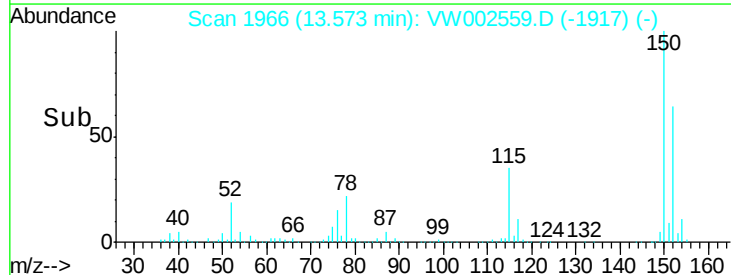
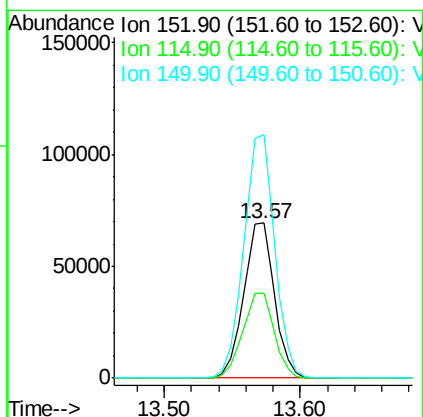
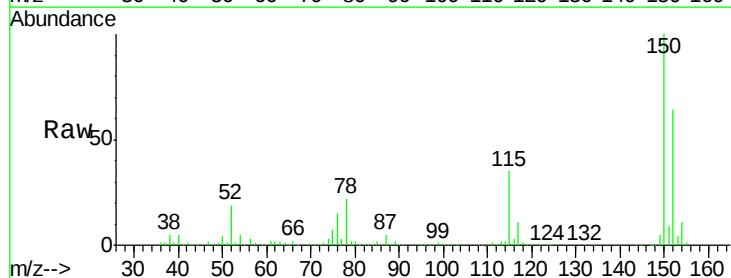
Instrument :
MSVOA_W
ClientSampleId :
26KV-N2

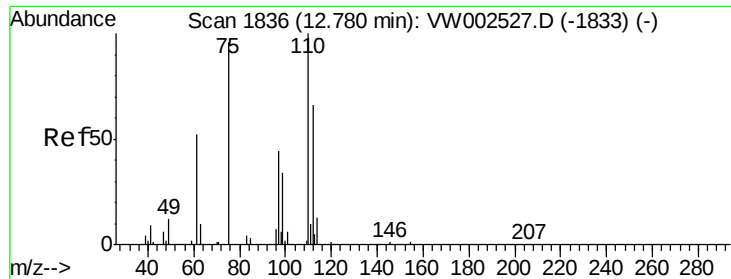
Tgt Ion:117 Resp: 213139
Ion Ratio Lower Upper
117 100
82 51.7 42.6 64.0
119 32.7 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VW002559.D
Acq: 15 May 2018 19:04

Tgt Ion:152 Resp: 109513
Ion Ratio Lower Upper
152 100
115 56.0 28.0 84.0
150 158.7 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 38.54 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002559.D

Acq: 15 May 2018 19:04

Instrument :

MSVOA_W

ClientSampleId :

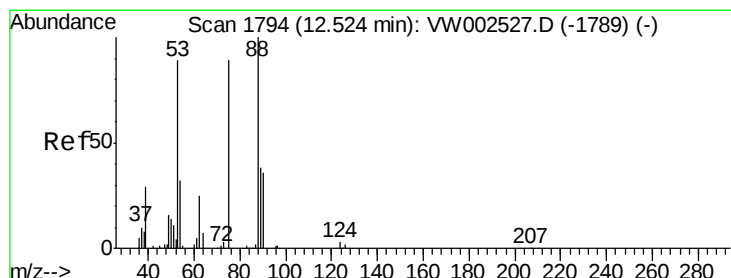
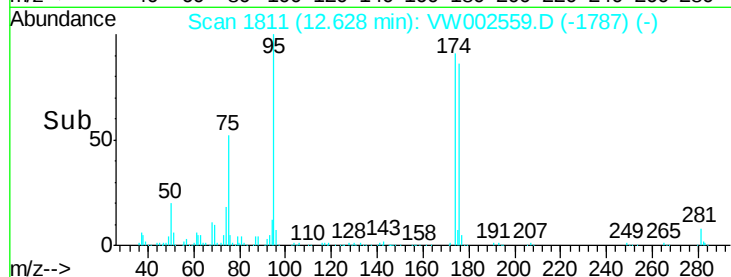
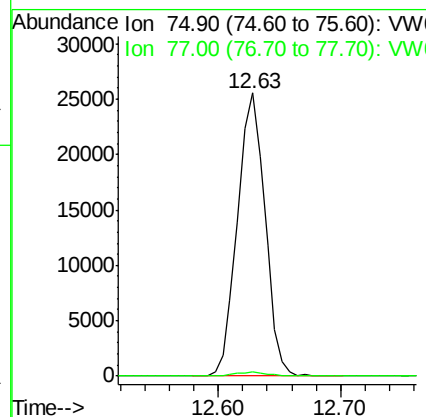
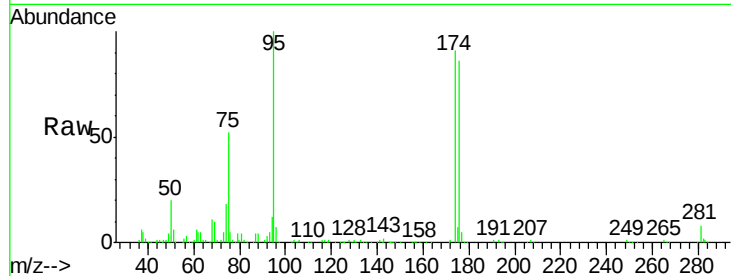
26KV-N2

Tgt Ion: 75 Resp: 39898

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 105.08 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002559.D

Acq: 15 May 2018 19:04

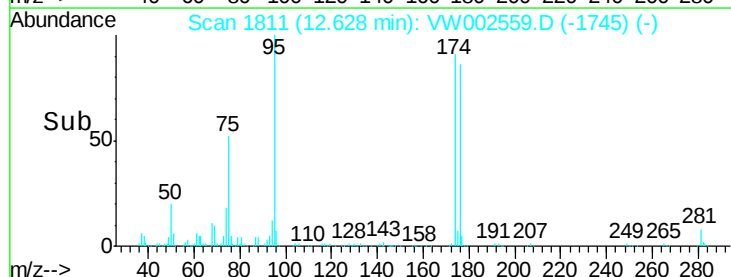
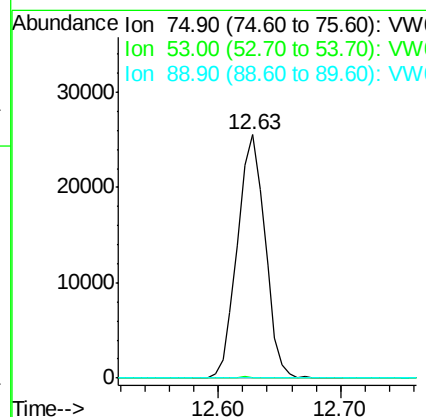
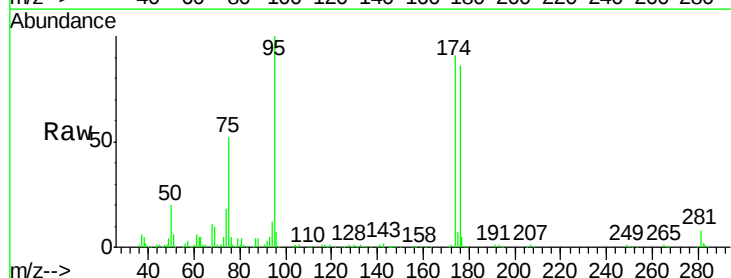
Tgt Ion: 75 Resp: 39898

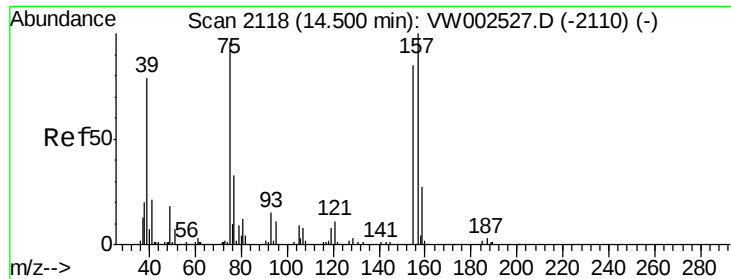
Ion Ratio Lower Upper

75 100

53 0.3 82.6 124.0#

89 0.0 39.2 58.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.07 ug/l

RT: 14.34 min Scan# 2092

Delta R.T. -0.16 min

Lab File: VW002559.D

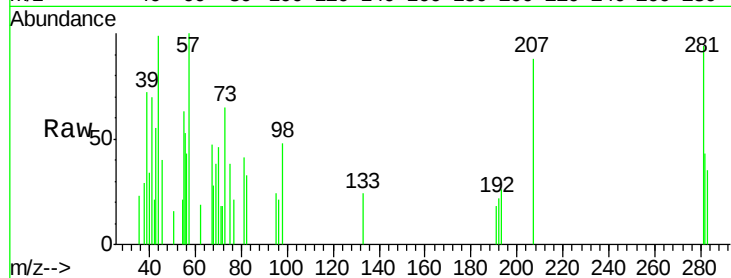
Acq: 15 May 2018 19:04

Instrument :

MSVOA_W

ClientSampleId :

26KV-N2



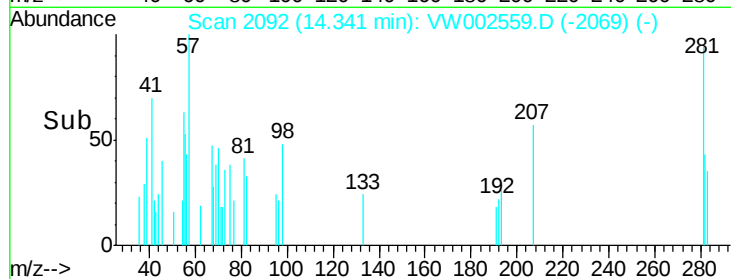
Tgt Ion: 75 Resp: 258

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

