

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072818\
 Data File : VW004262.D
 Acq On : 27 Jul 2018 09:20
 Operator : SY/AP
 Sample : J4099-07RE
 Misc : 7.24G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 27 11:08:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	100933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	167395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	120041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	31076	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	132956	117.84	ug/l	0.00
Spiked Amount			Recovery	=	235.68%	
35) Dibromofluoromethane	7.89	113	82509	76.82	ug/l	0.00
Spiked Amount			Recovery	=	153.64%	
50) Toluene-d8	10.33	98	340086	81.60	ug/l	0.00
Spiked Amount			Recovery	=	163.20%	
62) 4-Bromofluorobenzene	12.62	95	81099	53.96	ug/l	0.00
Spiked Amount			Recovery	=	107.92%	

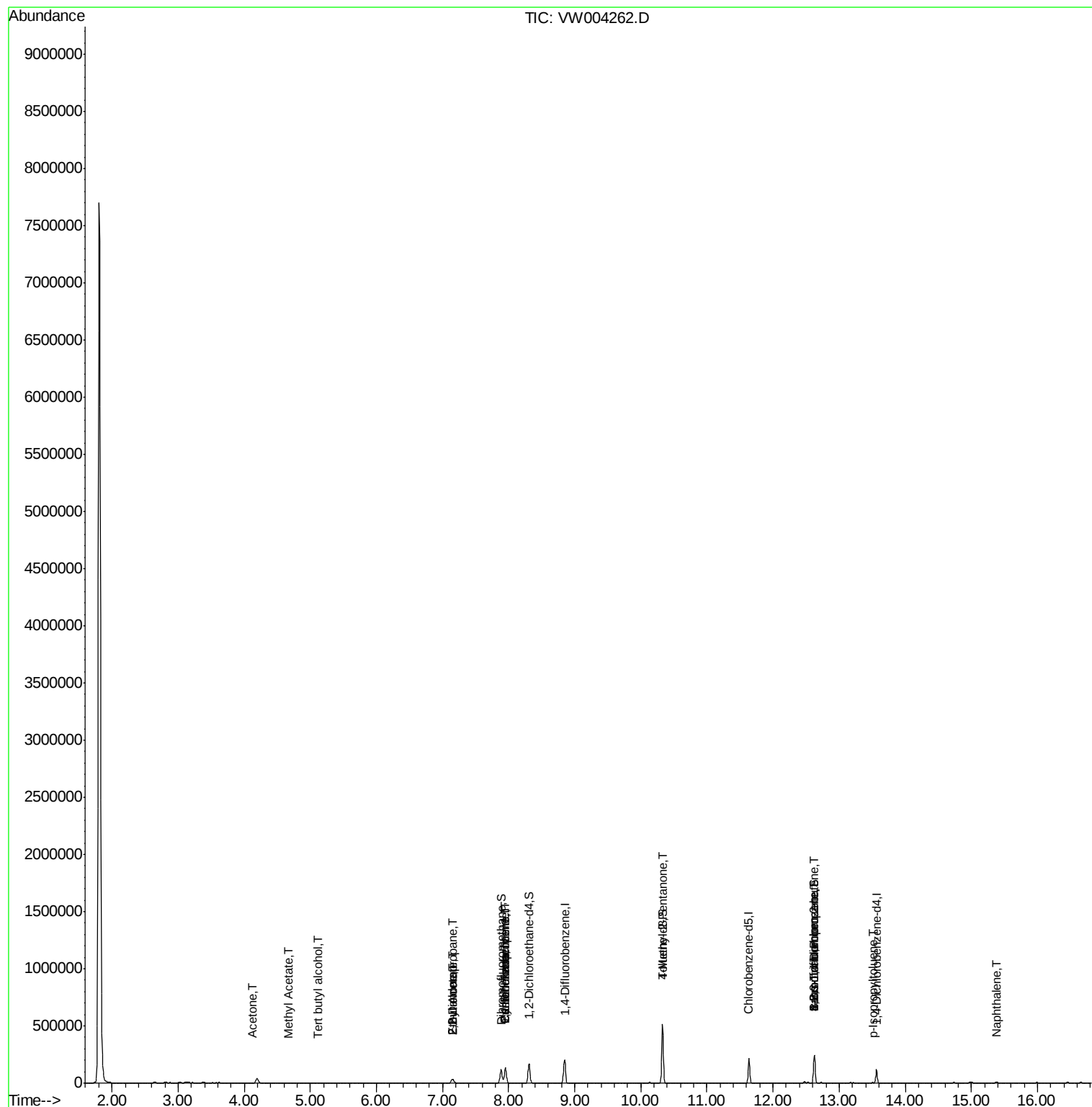
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	933	11.98	ug/l #	72
16) Acetone	4.12	43	4246	15.66	ug/l	99
18) Methyl Acetate	4.67	43	2220	3.41	ug/l #	88
20) Methylene Chloride	4.92	84	1969	Below Cal	#	80
25) 2-Butanone	7.15	43	1965	5.39	ug/l #	51
26) 2,2-Dichloropropane	7.15	77	2439	2.13	ug/l #	52
31) Cyclohexane	7.95	56	2242	1.20	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	8462	4.91	ug/l #	44
37) Ethyl Acetate	7.15	43	1965	2.37	ug/l #	1
38) Carbon Tetrachloride	7.95	117	10181	6.33	ug/l #	18
51) 4-Methyl-2-Pentanone	10.33	43	1501	1.81	ug/l #	1
71) Bromoform	12.62	173	584	1.17	ug/l #	28
76) 1,2,3-Trichloropropane	12.62	75	41338	133.99	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	41338	296.38	ug/l #	11
86) p-Isopropyltoluene	13.51	119	2422	1.20	ug/l #	79
95) Naphthalene	15.38	128	8239	6.80	ug/l	96

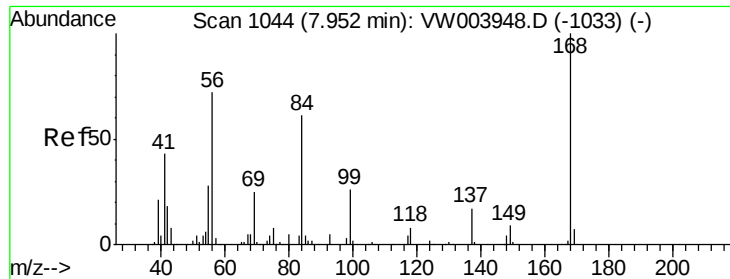
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072818\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004262.D

Acq: 27 Jul 2018 09:20

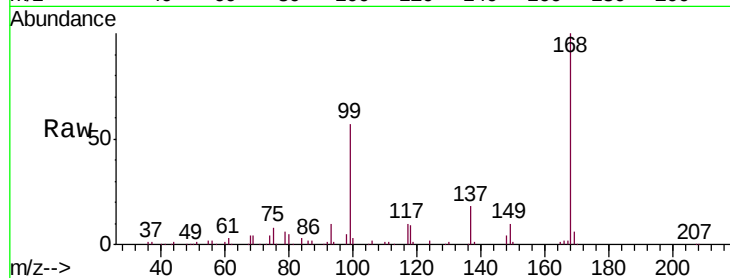
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 100933

Ion Ratio Lower Upper

168 100

99 57.2 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

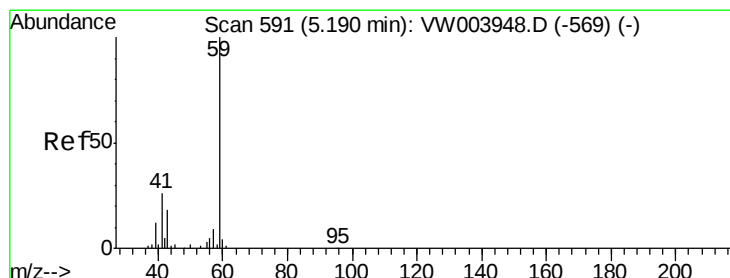
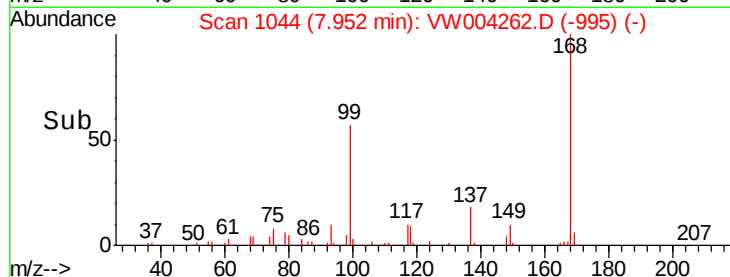
20000

10000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: 11.98 ug/l

RT: 5.12 min Scan# 579

Delta R.T. -0.07 min

Lab File: VW004262.D

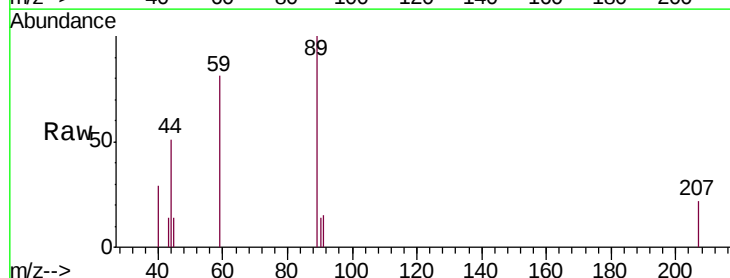
Acq: 27 Jul 2018 09:20

Tgt Ion: 59 Resp: 933

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

500

400

300

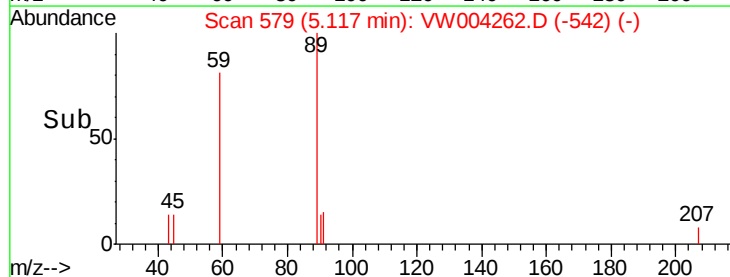
200

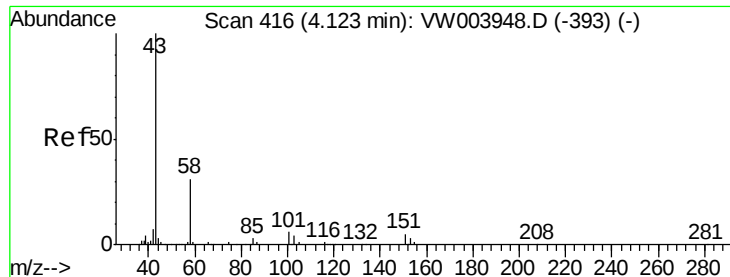
100

0

Time-->

5.05 5.10 5.15





#16

Acetone

Concen: 15.66 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004262.D

Acq: 27 Jul 2018 09:20

Instrument :

MSVOA_W

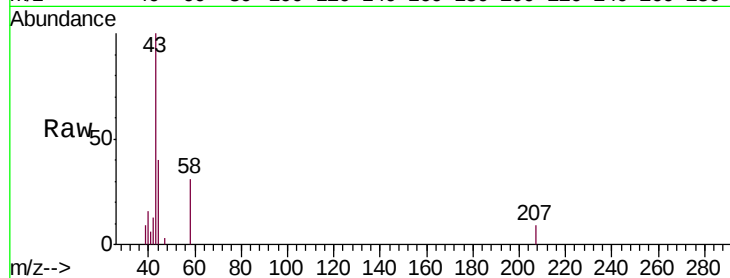
ClientSampleId :

Tot Ion: 43 Resp: 4246

Ion Ratio Lower Upper

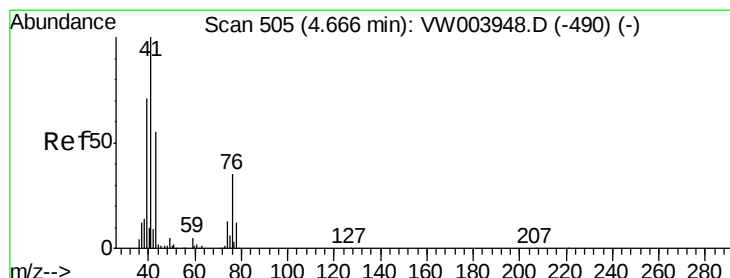
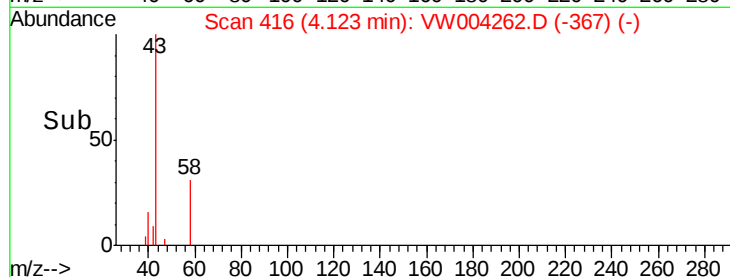
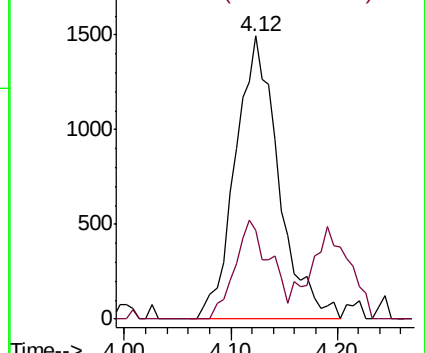
43 100

58 31.4 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 3.41 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW004262.D

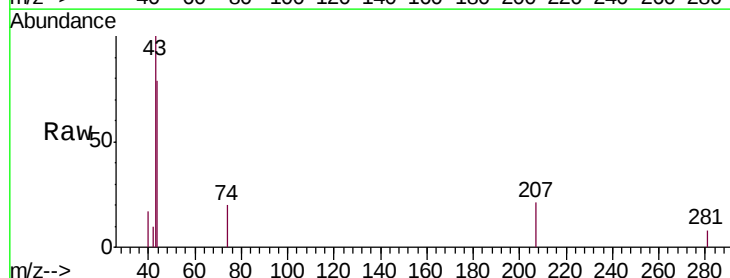
Acq: 27 Jul 2018 09:20

Tgt Ion: 43 Resp: 2220

Ion Ratio Lower Upper

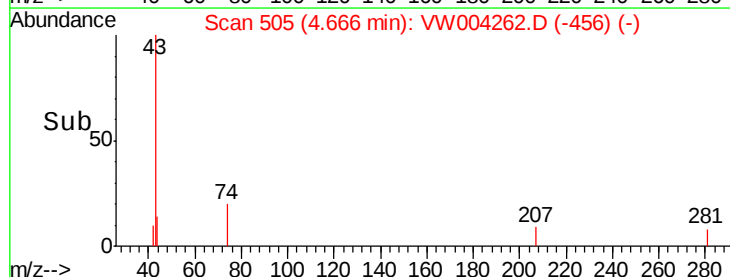
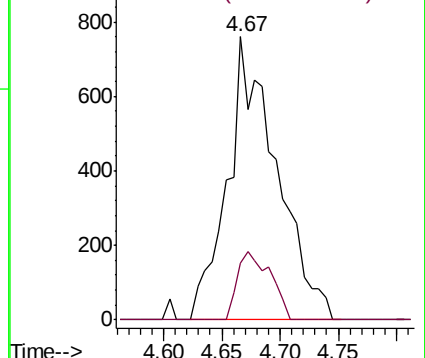
43 100

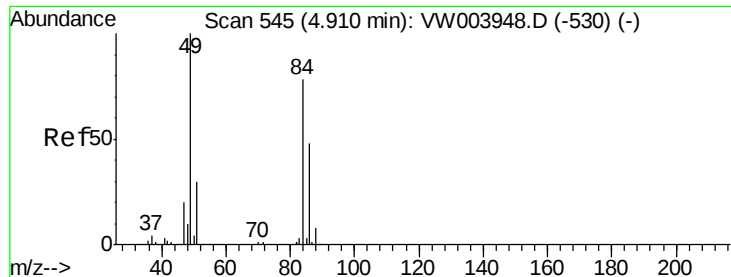
74 16.4 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

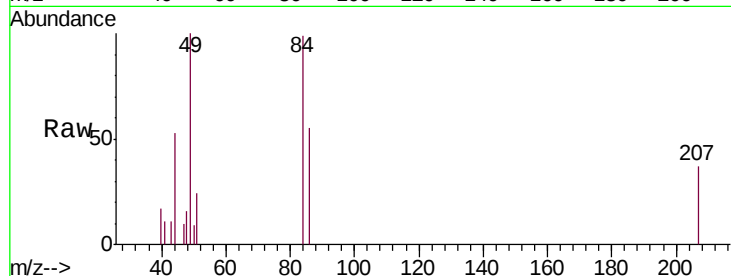




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW004262.D
Acq: 27 Jul 2018 09:20

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	84	Resp	1969
Ion	Ratio	Lower	Upper
84	100		
49	100.6	102.9	154.3#
51	24.5	30.9	46.3#
86	55.6	49.9	74.9



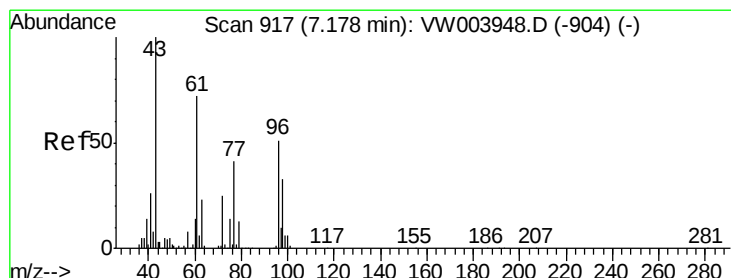
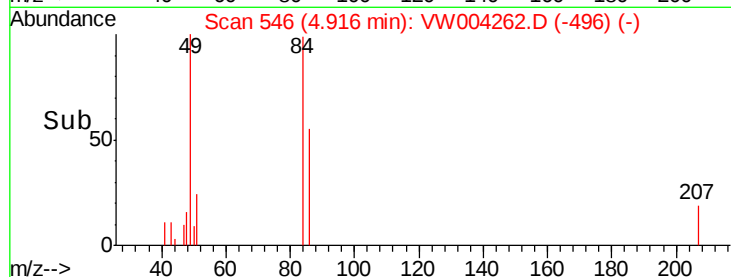
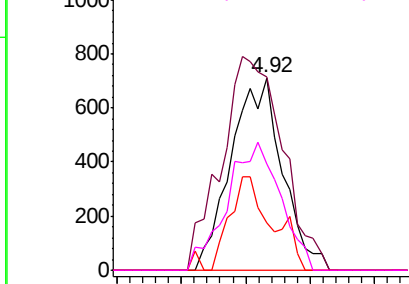
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

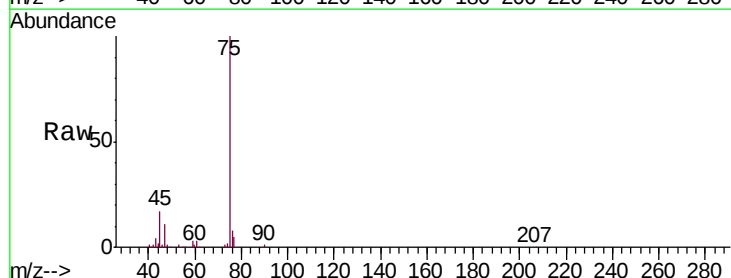
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 5.39 ug/l
RT: 7.15 min Scan# 913
Delta R.T. -0.02 min
Lab File: VW004262.D
Acq: 27 Jul 2018 09:20

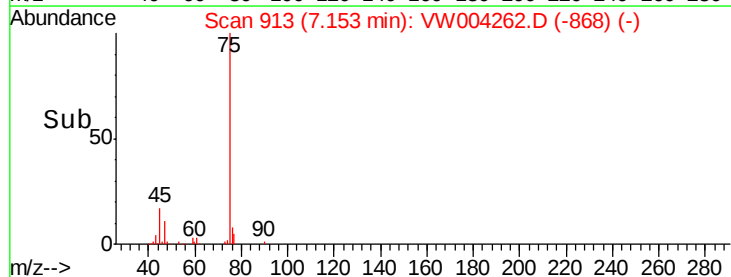
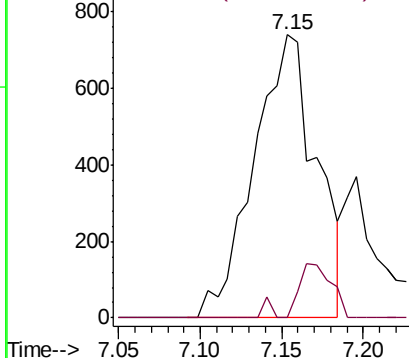
Tgt Ion	43	Resp	1965
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.8	29.6#

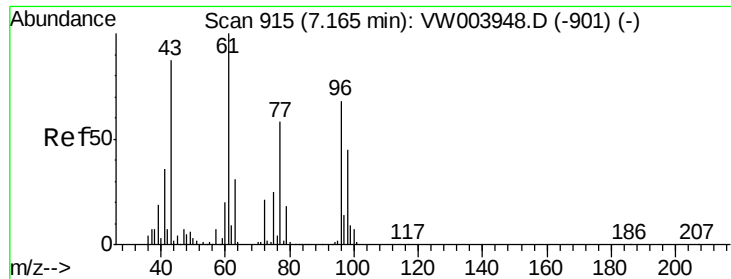


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 2.13 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW004262.D

Acq: 27 Jul 2018 09:20

Instrument :

MSVOA_W

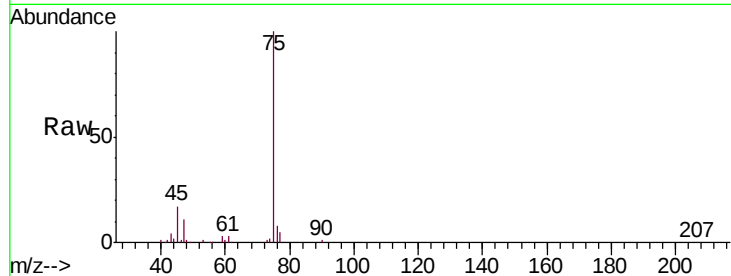
ClientSampled :

Tot Ion: 77 Resp: 2439

Ion Ratio Lower Upper

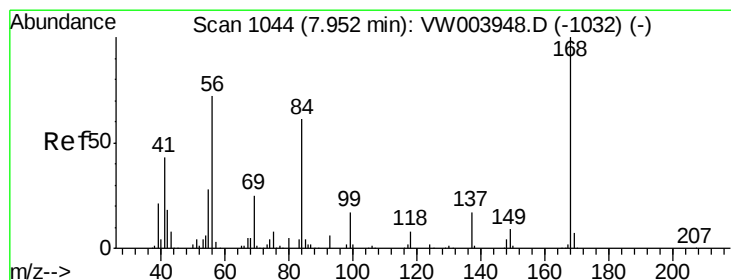
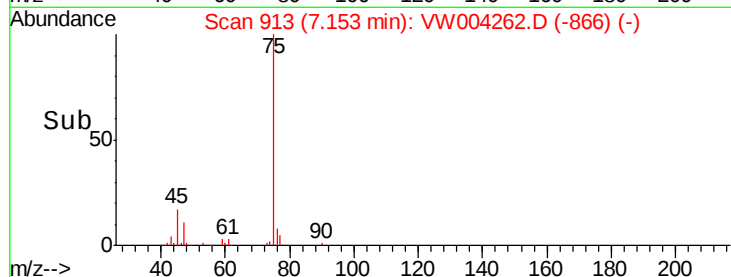
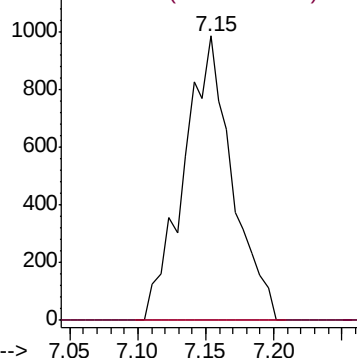
77 100

97 0.0 11.8 35.3#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#31

Cyclohexane

Concen: 1.20 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004262.D

Acq: 27 Jul 2018 09:20

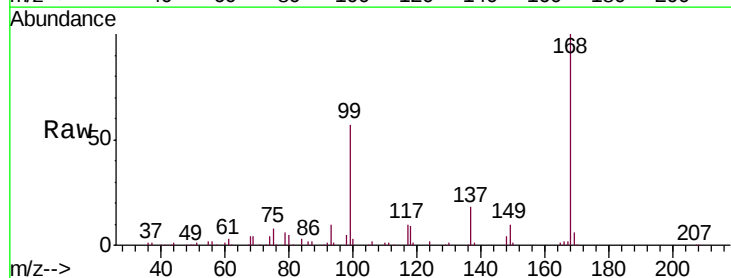
Tgt Ion: 56 Resp: 2242

Ion Ratio Lower Upper

56 100

69 164.1 27.8 41.8#

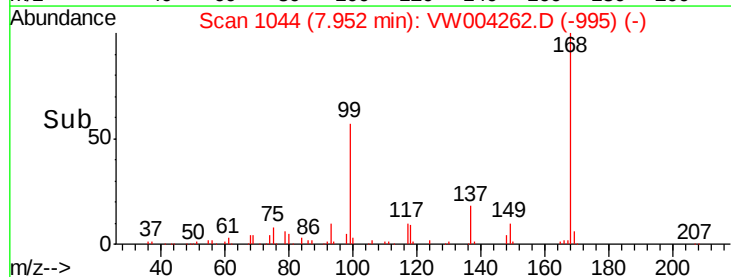
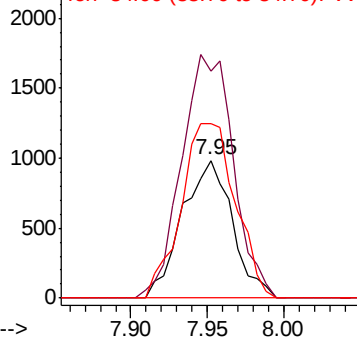
84 126.4 67.2 100.8#

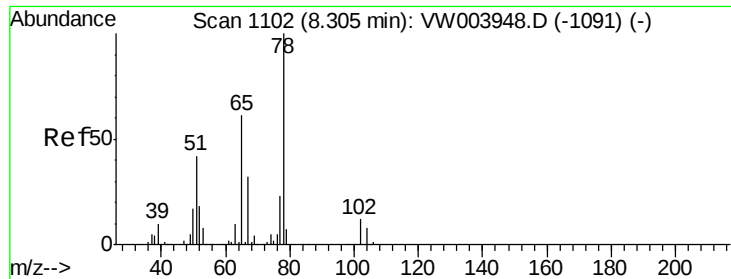


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

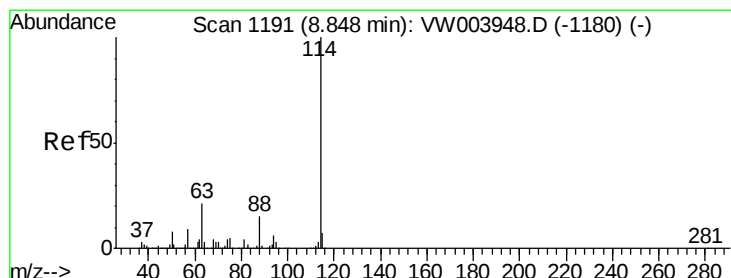
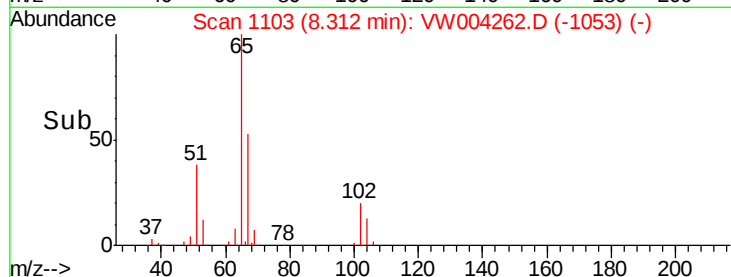
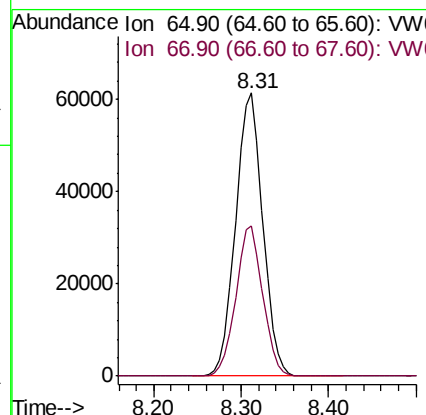
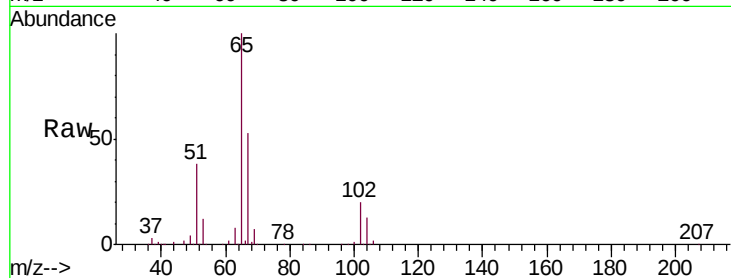




#33
 1,2-Dichloroethane-d4
 Concen: 117.84 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW004262.D
 Acq: 27 Jul 2018 09:20

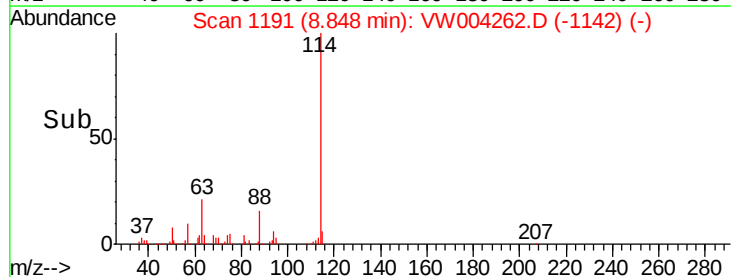
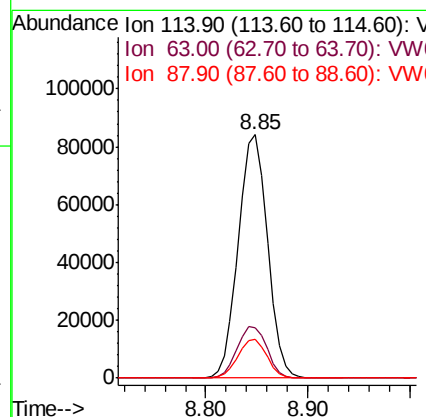
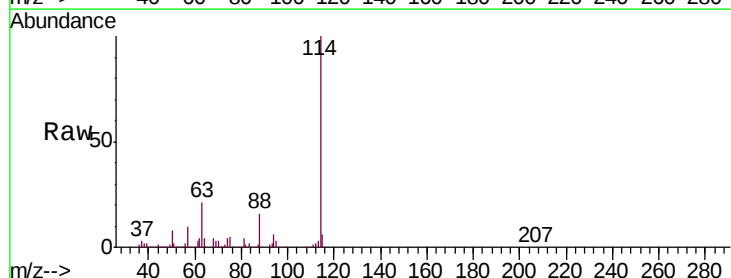
Instrument :
 MSVOA_W
 ClientSampleId :

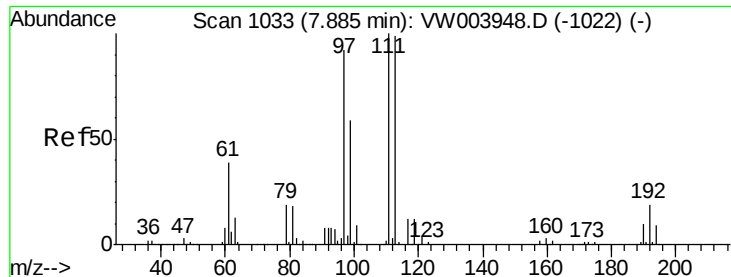
Tot Ion: 65 Resp: 132956
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004262.D
 Acq: 27 Jul 2018 09:20

Tgt Ion: 114 Resp: 167395
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.8
 88 16.1 0.0 30.4

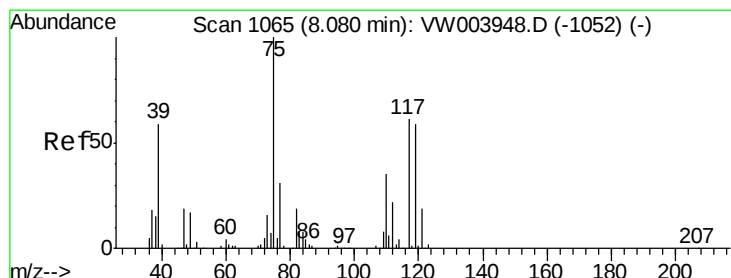
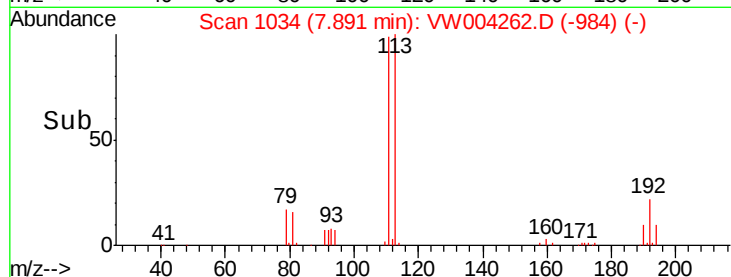
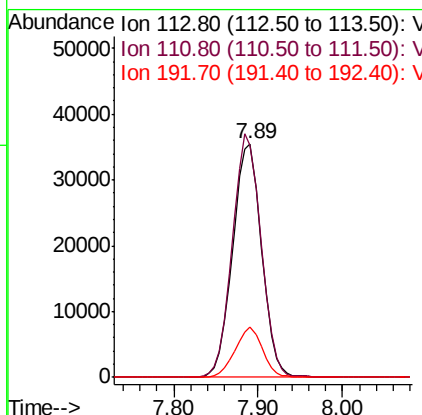
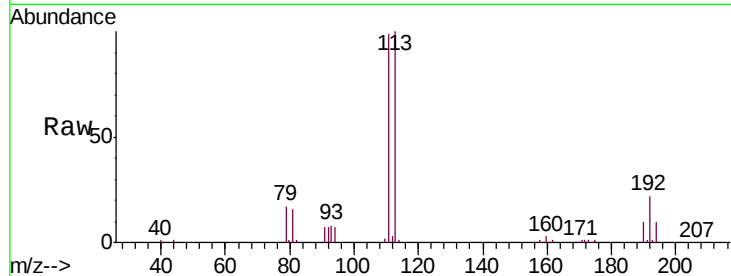




#35
 Dibromofluoromethane
 Concen: 76.82 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004262.D
 Acq: 27 Jul 2018 09:20

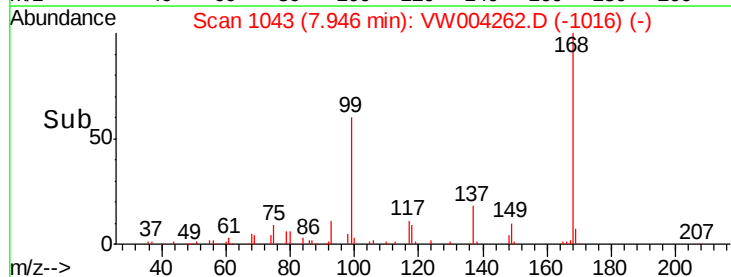
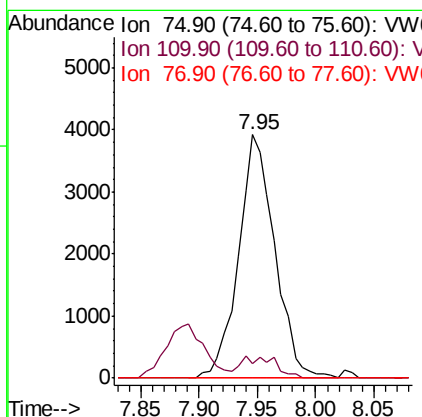
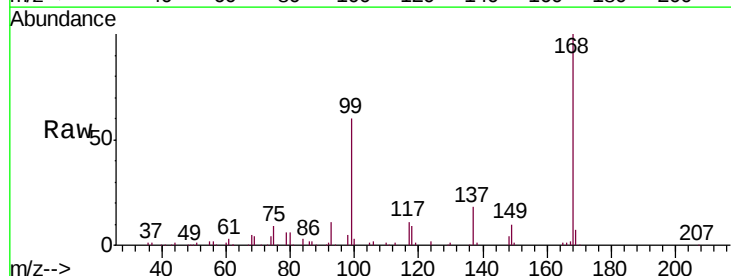
Instrument :
 MSVOA_W
 ClientSampleId :

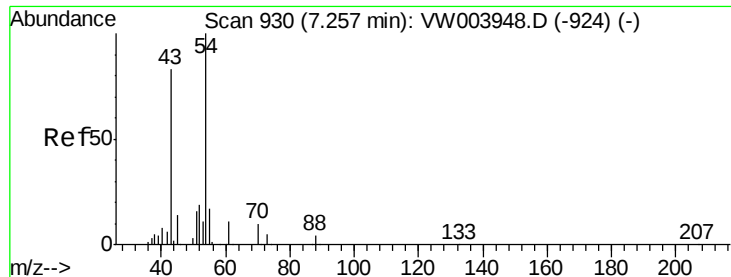
Tot Ion:113 Resp: 82509
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.3 121.9
 192 20.2 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.91 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW004262.D
 Acq: 27 Jul 2018 09:20

Tgt Ion: 75 Resp: 8462
 Ion Ratio Lower Upper
 75 100
 110 1.9 17.0 51.0#
 77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 2.37 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.10 min

Lab File: VW004262.D

Acq: 27 Jul 2018 09:20

Instrument :
MSVOA_W
ClientSampled :

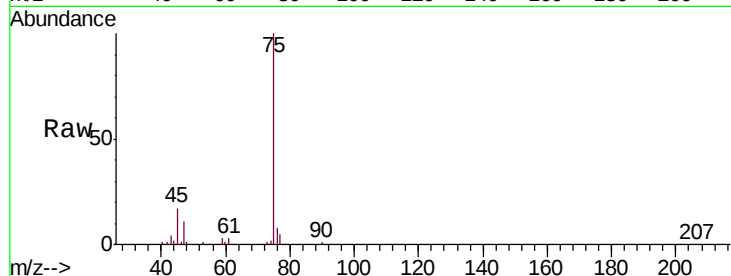
Tot Ion: 43 Resp: 1965

Ion Ratio Lower Upper

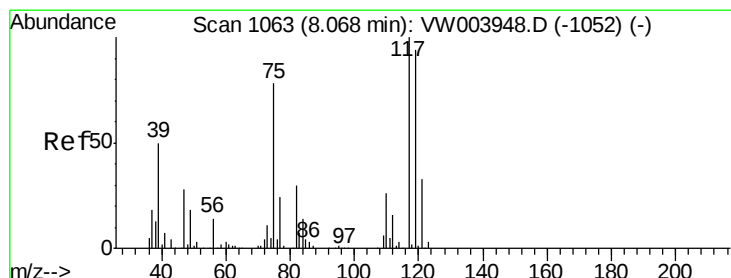
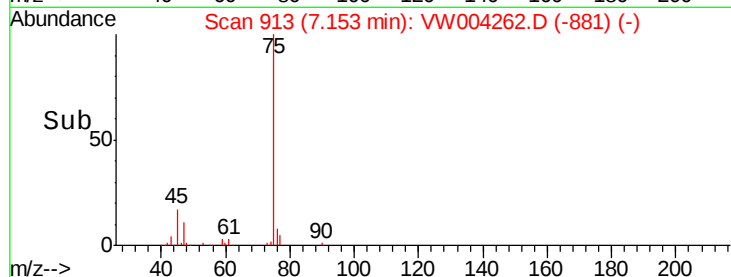
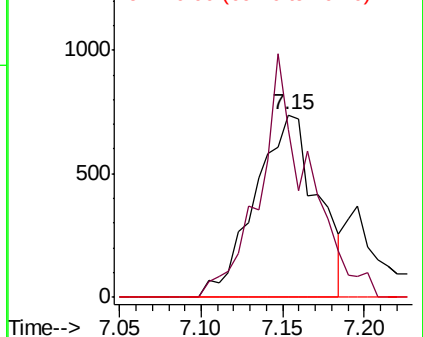
43 100

61 104.0 10.7 16.1#

70 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.33 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW004262.D

Acq: 27 Jul 2018 09:20

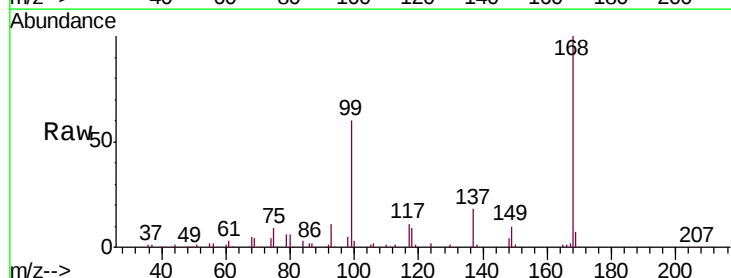
Tgt Ion: 117 Resp: 10181

Ion Ratio Lower Upper

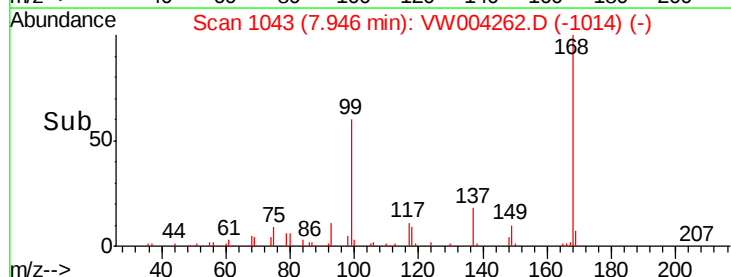
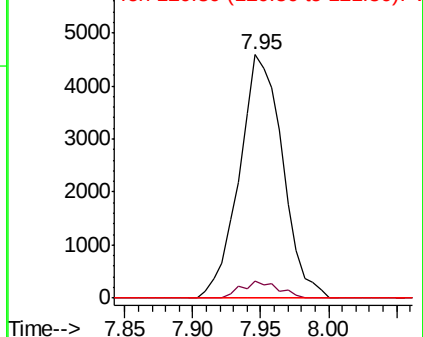
117 100

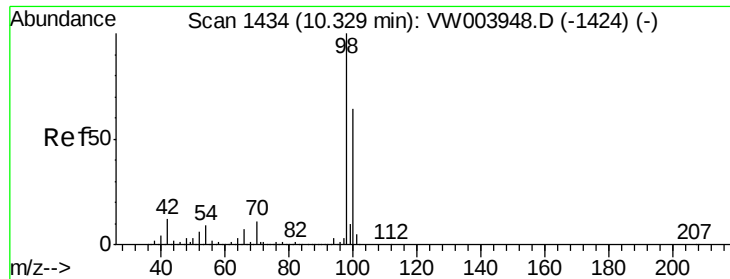
119 7.1 75.3 112.9#

121 0.0 26.0 39.0#



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: 81.60 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004262.D

Acq: 27 Jul 2018 09:20

Instrument :

MSVOA_W

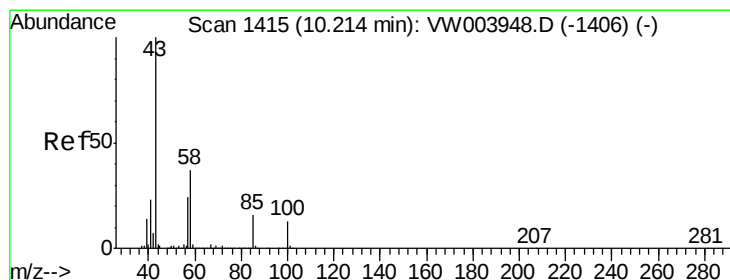
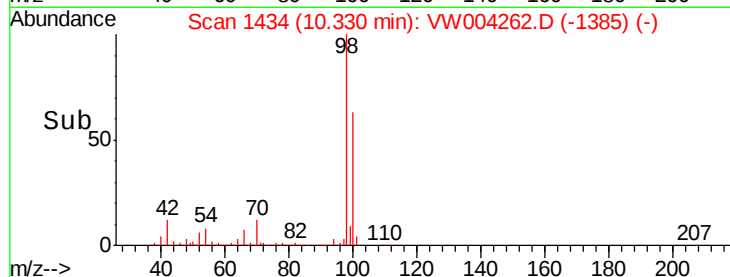
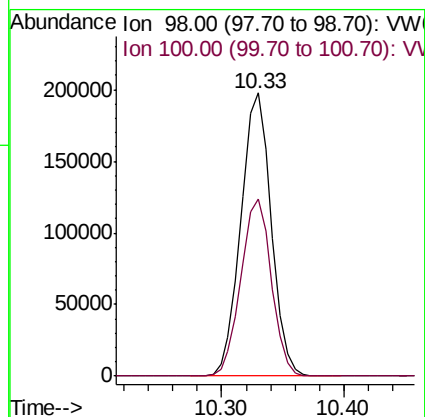
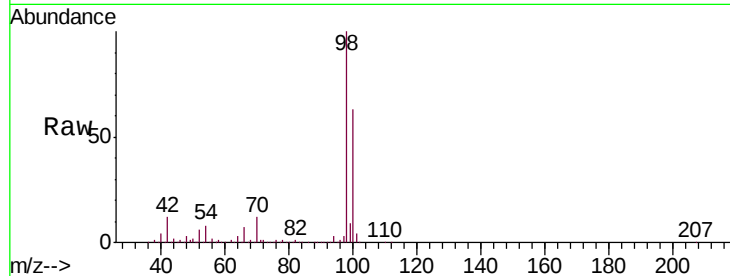
ClientSampleId :

Tot Ion: 98 Resp: 340086

Ion Ratio Lower Upper

98 100

100 63.0 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.81 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.12 min

Lab File: VW004262.D

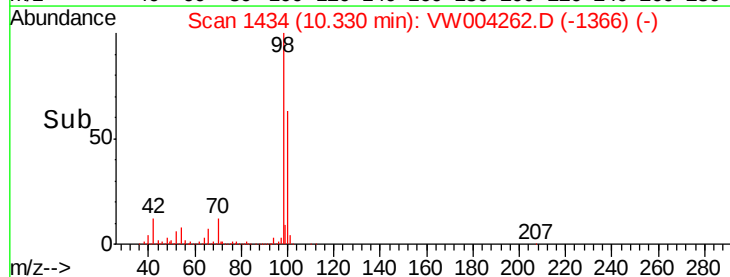
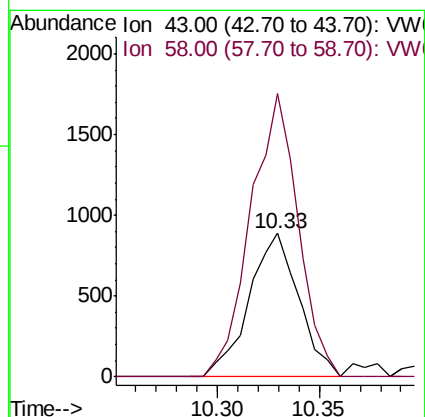
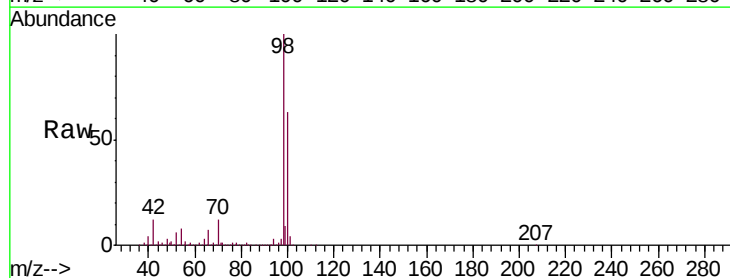
Acq: 27 Jul 2018 09:20

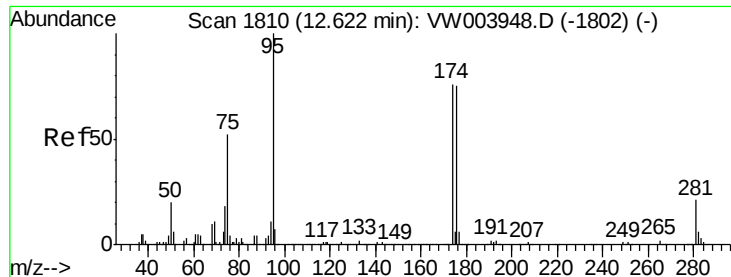
Tgt Ion: 43 Resp: 1501

Ion Ratio Lower Upper

43 100

58 188.9 29.9 44.9#





#62

4-Bromofluorobenzene

Concen: 53.96 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004262.D

Acq: 27 Jul 2018 09:20

Instrument :

MSVOA_W

ClientSampleId :

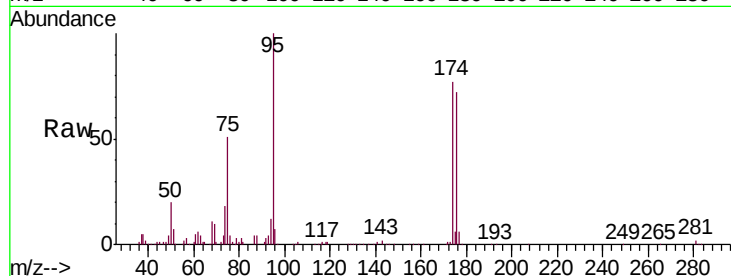
Tot Ion: 95 Resp: 81099

Ion Ratio Lower Upper

95 100

174 79.7 0.0 160.2

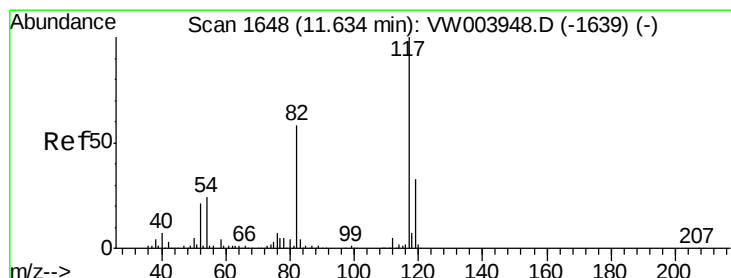
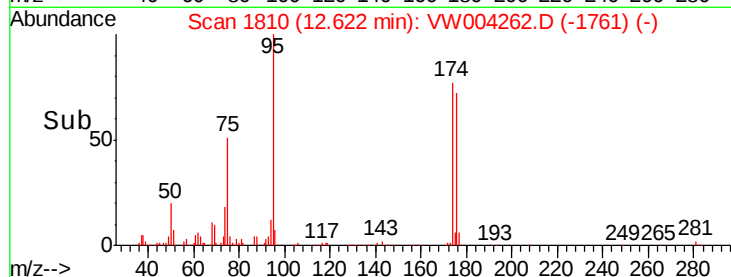
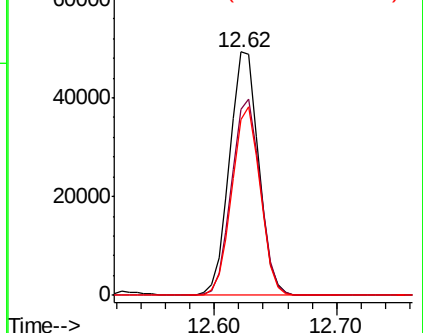
176 75.2 0.0 155.8



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: 11.63 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VW004262.D

Acq: 27 Jul 2018 09:20

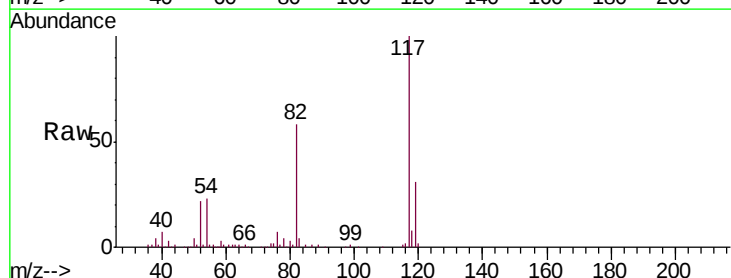
Tgt Ion: 117 Resp: 120041

Ion Ratio Lower Upper

117 100

82 57.7 46.5 69.7

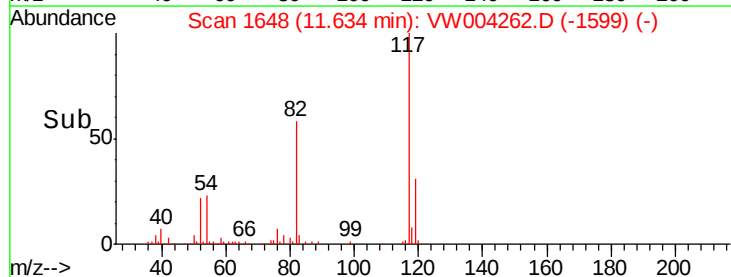
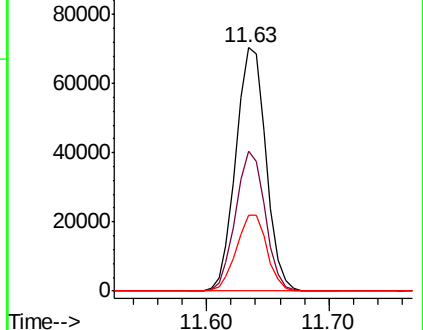
119 31.0 26.2 39.2

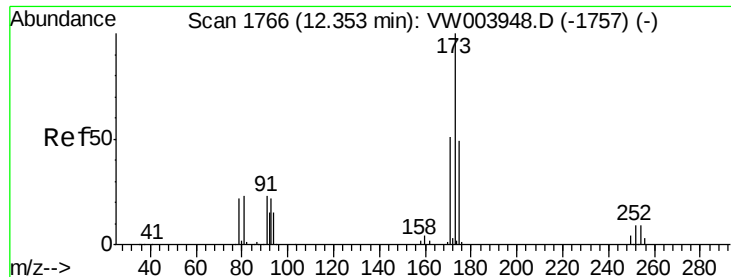


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#71

Bromoform

Concen: 1.17 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.27 min

Lab File: VW004262.D

Acq: 27 Jul 2018 09:20

Instrument :

MSVOA_W

ClientSampleId :

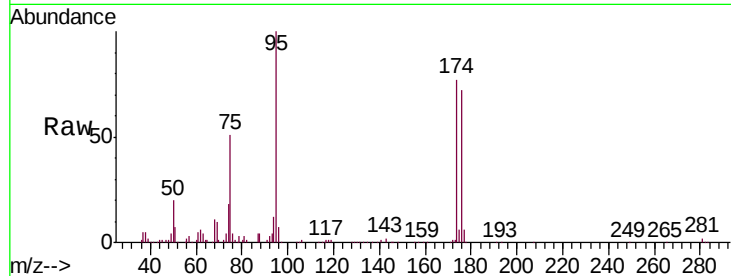
Tot Ion:173 Resp: 584

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

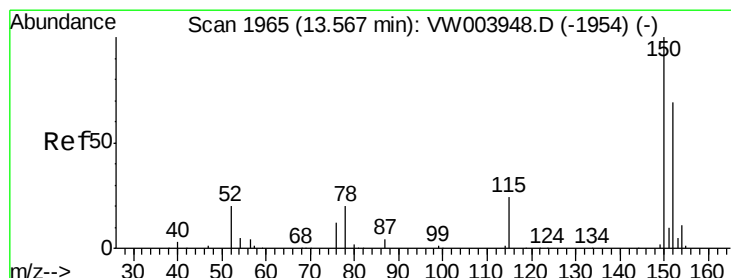
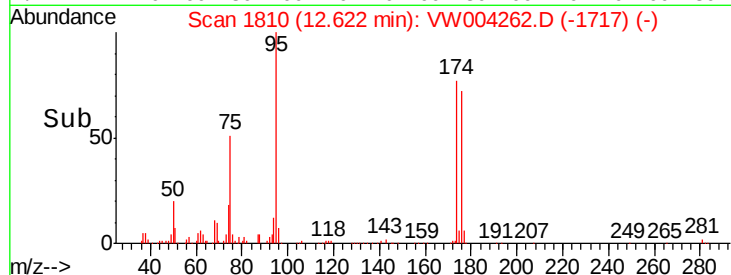
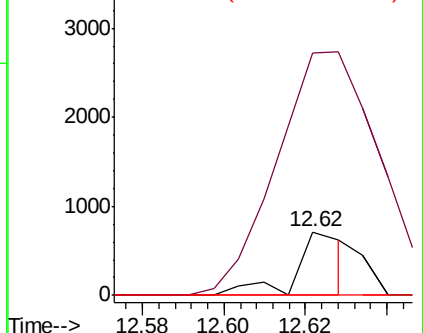
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004262.D

Acq: 27 Jul 2018 09:20

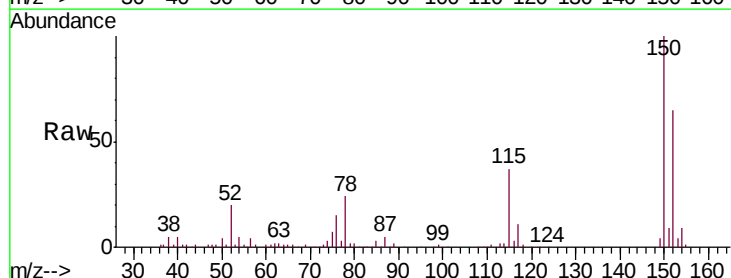
Tgt Ion:152 Resp: 31076

Ion Ratio Lower Upper

152 100

115 58.2 29.2 87.6

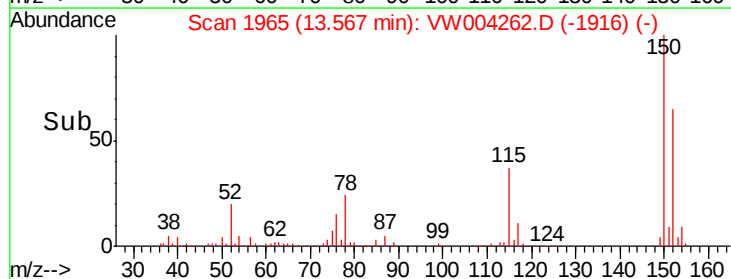
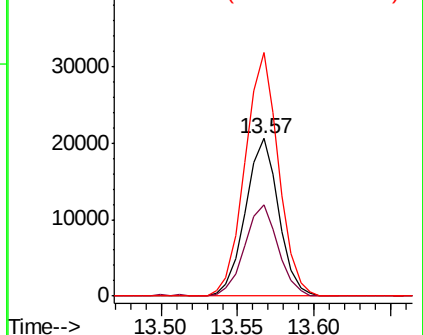
150 155.7 0.0 345.2

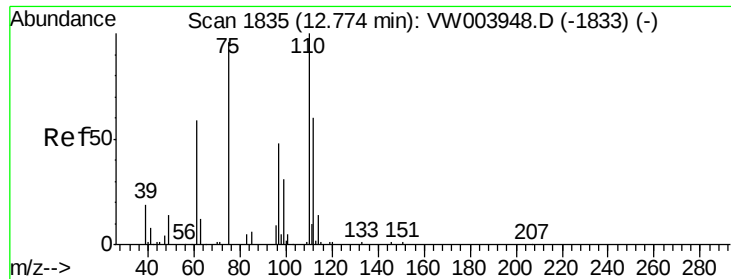


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 133.99 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004262.D

Acq: 27 Jul 2018 09:20

Instrument :

MSVOA_W

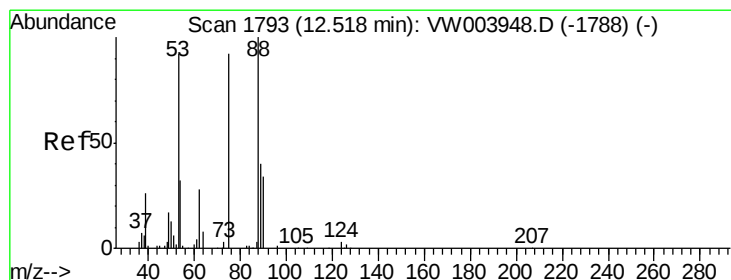
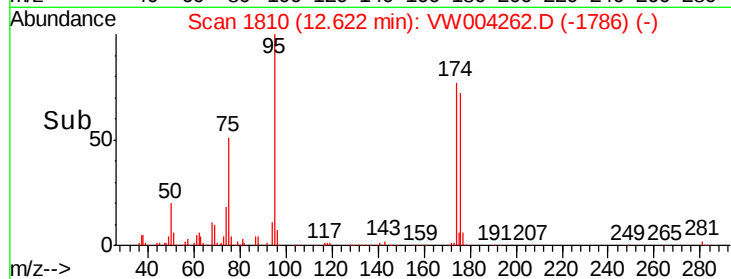
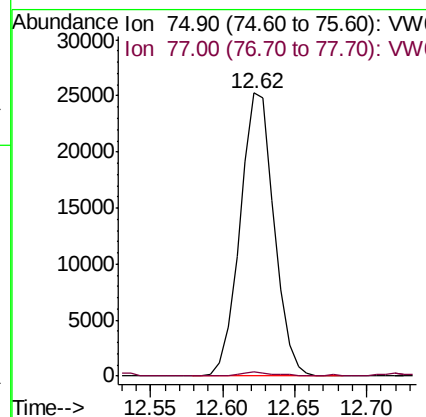
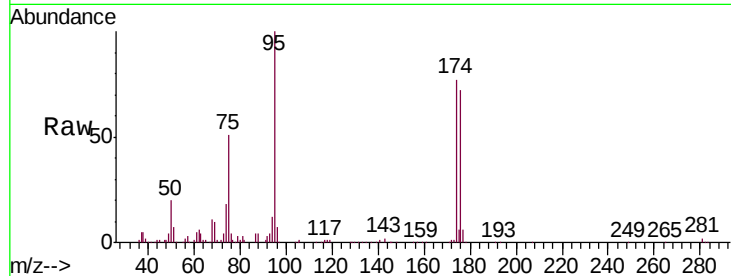
ClientSampleId :

Tot Ion: 75 Resp: 41338

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 296.38 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004262.D

Acq: 27 Jul 2018 09:20

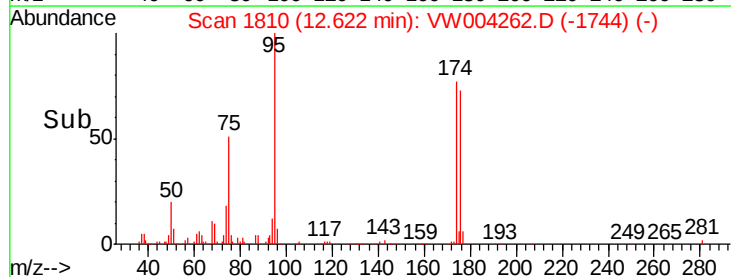
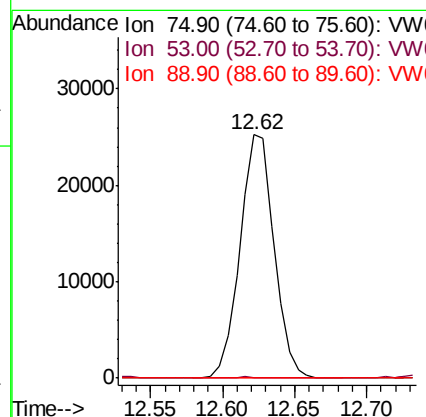
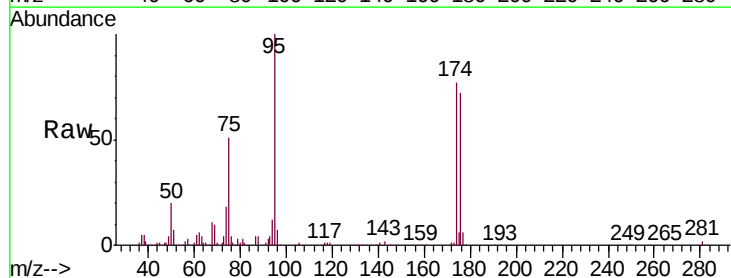
Tgt Ion: 75 Resp: 41338

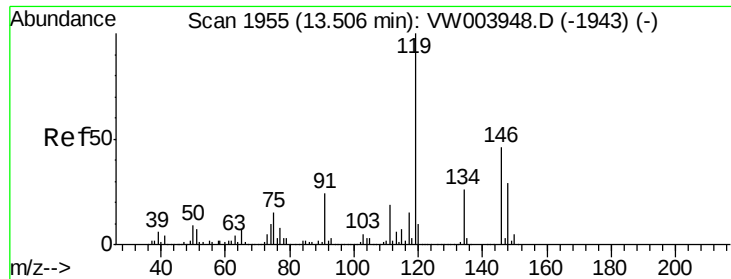
Ion Ratio Lower Upper

75 100

53 0.2 77.6 116.4#

89 0.1 36.6 54.8#

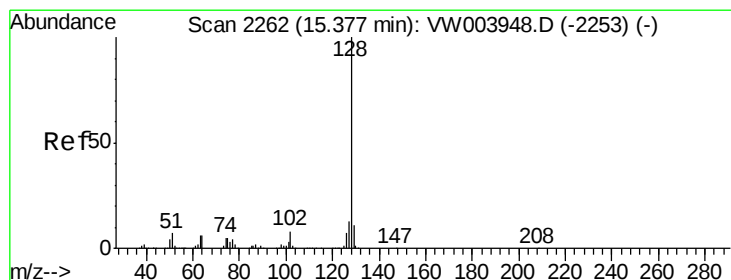
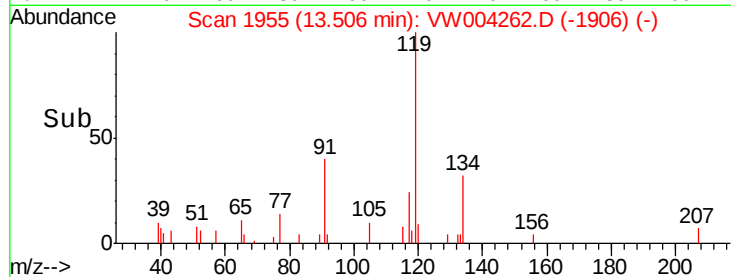
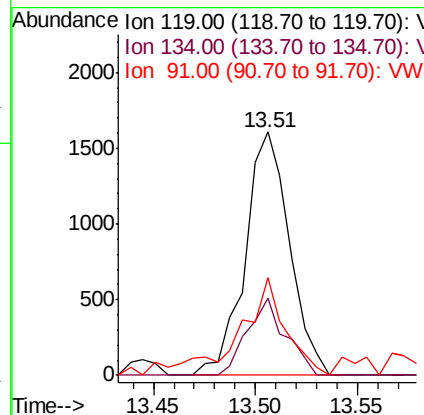
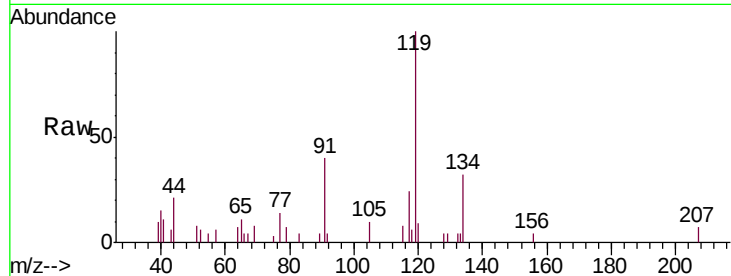




#86
 p-Isopropyltoluene
 Concen: 1.20 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004262.D
 Acq: 27 Jul 2018 09:20

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:119 Resp: 2422
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.0 38.9
 91 43.0 11.8 35.3#



#95
 Naphthalene
 Concen: 6.80 ug/l
 RT: 15.38 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VW004262.D
 Acq: 27 Jul 2018 09:20

Tgt Ion:128 Resp: 8239
 Ion Ratio Lower Upper
 128 100
 127 15.0 10.7 16.1
 129 12.6 8.7 13.1

