

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062818\
 Data File : VW003634.D
 Acq On : 28 Jun 2018 13:23
 Operator : SY/AP
 Sample : J3664-18RE
 Misc : 5.83G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 29 06:43:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	116045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	193442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	180916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	85837	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	86569	68.87	ug/l	0.00
Spiked Amount			Recovery	=	137.74%	
35) Dibromofluoromethane	7.89	113	74250	61.77	ug/l	0.00
Spiked Amount			Recovery	=	123.54%	
50) Toluene-d8	10.33	98	251567	52.78	ug/l	0.00
Spiked Amount			Recovery	=	105.56%	
62) 4-Bromofluorobenzene	12.63	95	85921	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	

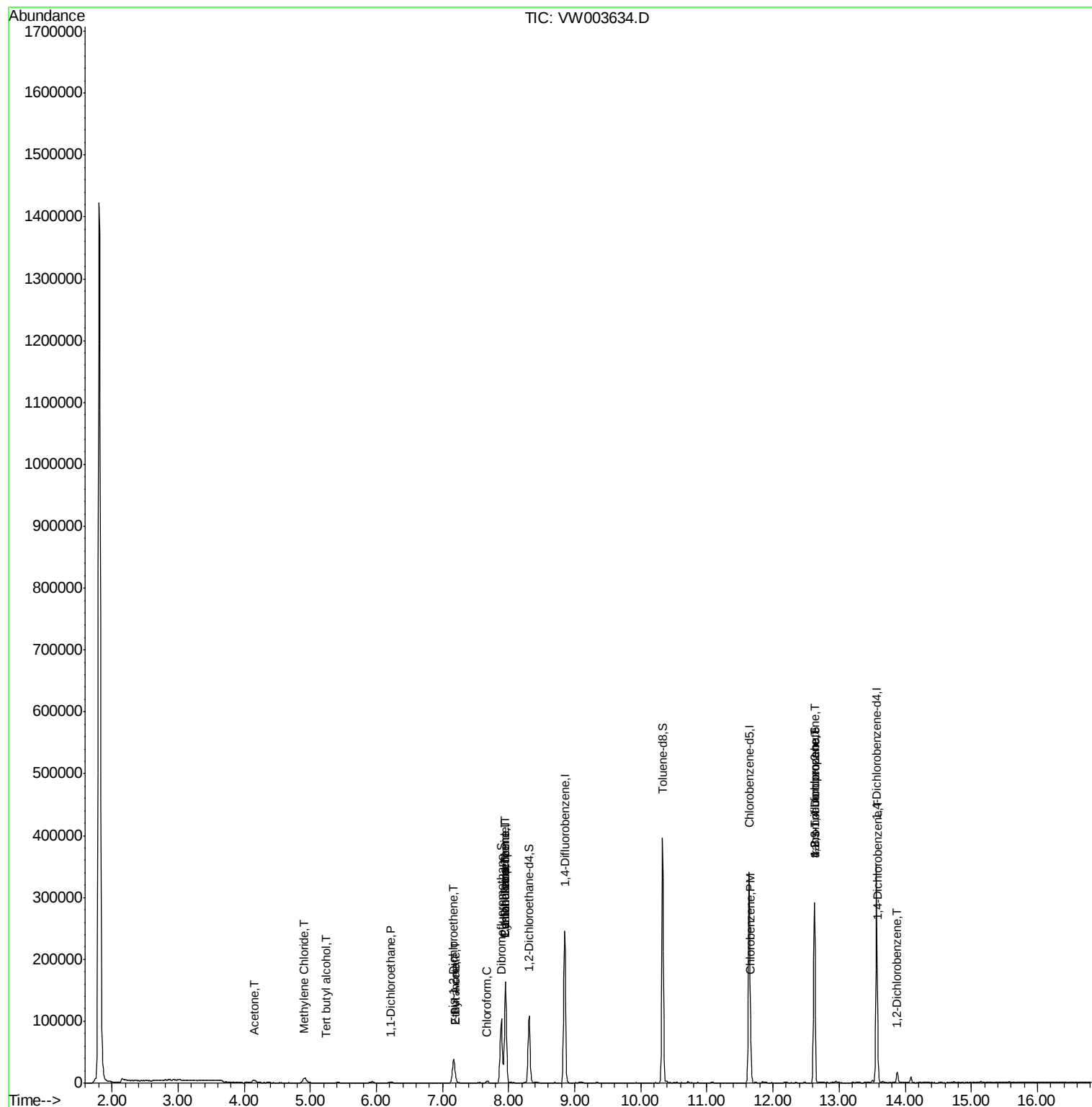
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.25	59	109	1.617	ug/l #	84
16) Acetone	4.15	43	9625	36.511	ug/l	97
20) Methylene Chloride	4.91	84	6766	2.559	ug/l	98
24) 1,1-Dichloroethane	6.21	63	2746	1.263	ug/l #	92
25) 2-Butanone	7.20	43	1290	3.935	ug/l #	89
27) cis-1,2-Dichloroethene	7.17	96	18764	14.940	ug/l	96
30) Chloroform	7.68	83	2752	1.242	ug/l #	81
31) Cyclohexane	7.95	56	3289	1.619	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	10148	5.432	ug/l #	49
37) Ethyl Acetate	7.20	43	1290	1.667	ug/l #	69
38) Carbon Tetrachloride	7.95	117	11720	6.396	ug/l #	17
65) Chlorobenzene	11.66	112	28148	7.471	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	47146	64.249	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	47146	147.839	ug/l #	9
88) 1,4-Dichlorobenzene	13.59	146	6827	2.404	ug/l	88
91) 1,2-Dichlorobenzene	13.88	146	6427	2.569	ug/l	97

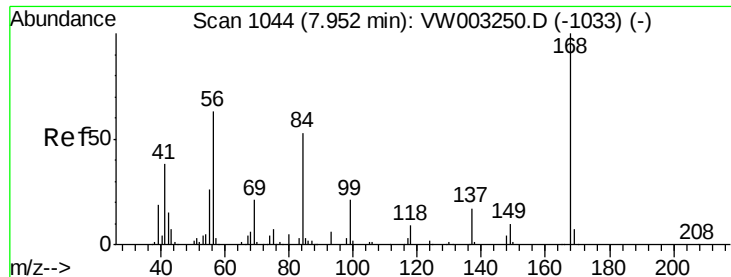
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062818\
Data File : VW003634.D
Acq On : 28 Jun 2018 13:23
Operator : SY/AP
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MSVOA_W
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Quant Time: Jun 29 06:43:15 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003634.D

Acq: 28 Jun 2018 13:23

Instrument :

MSVOA_W

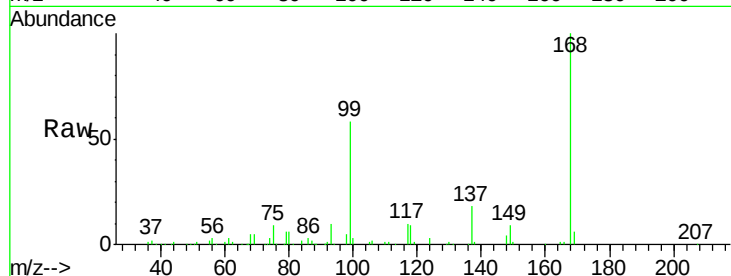
ClientSampled :

Tot Ion:168 Resp: 116045

Ion Ratio Lower Upper

168 100

99 58.3 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

20000

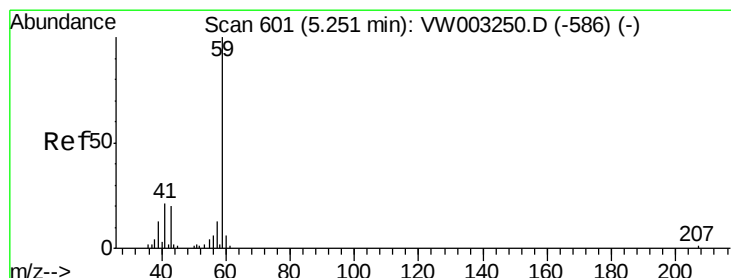
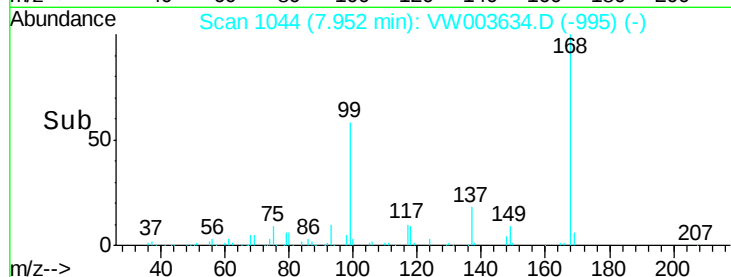
10000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: 1.617 ug/l

RT: 5.25 min Scan# 601

Delta R.T. 0.00 min

Lab File: VW003634.D

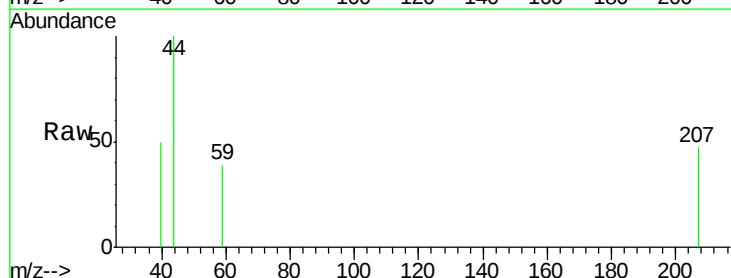
Acq: 28 Jun 2018 13:23

Tgt Ion: 59 Resp: 109

Ion Ratio Lower Upper

59 100

57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.25

100

80

60

40

20

0

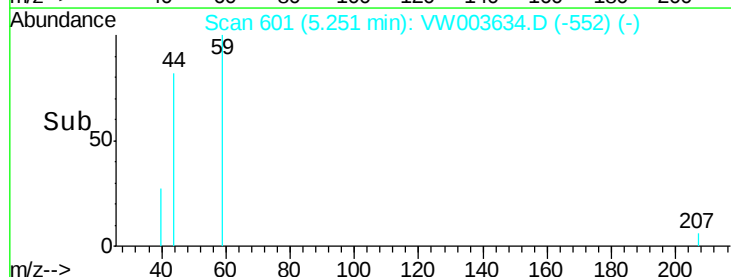
5.22

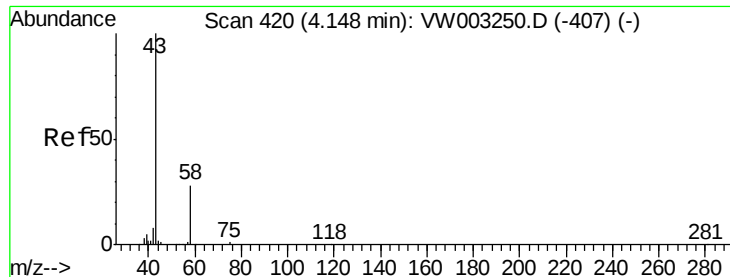
5.24

5.26

5.28

Time-->





#16

Acetone

Concen: 36.511 ug/l

RT: 4.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VW003634.D

Acq: 28 Jun 2018 13:23

Instrument :

MSVOA_W

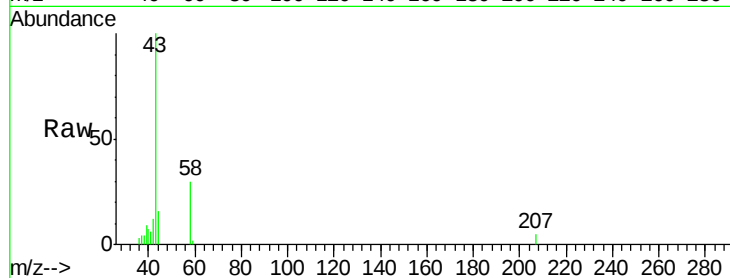
ClientSampled :

Tot Ion: 43 Resp: 9625

Ion Ratio Lower Upper

43 100

58 29.8 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

3000

2500

2000

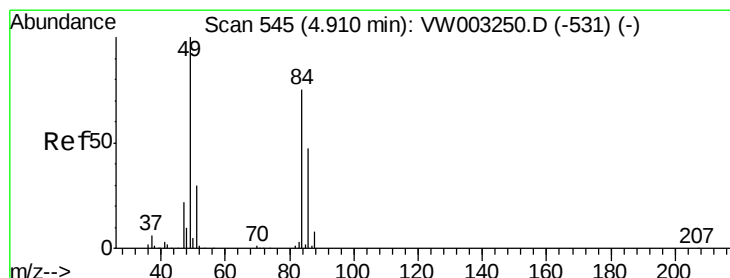
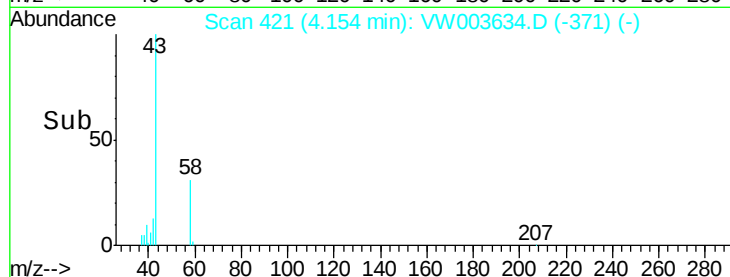
1500

1000

500

0

Time--> 4.00 4.10 4.20



#20

Methylene Chloride

Concen: 2.559 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003634.D

Acq: 28 Jun 2018 13:23

Tgt Ion: 84 Resp: 6766

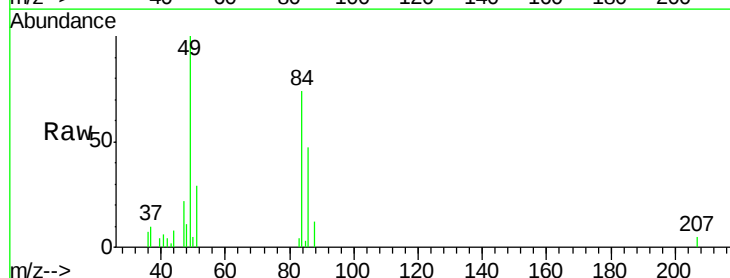
Ion Ratio Lower Upper

84 100

49 135.8 106.3 159.5

51 38.7 32.0 48.0

86 63.5 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

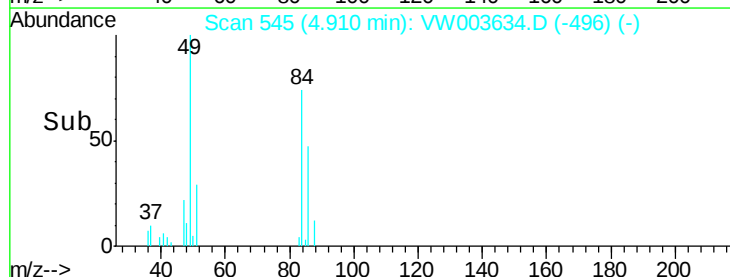
3000

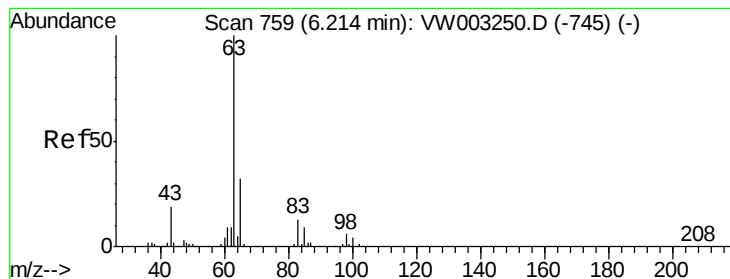
2000

1000

0

Time--> 4.80 4.90 5.00





#24

1,1-Dichloroethane

Concen: 1.263 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003634.D

Acq: 28 Jun 2018 13:23

Instrument :

MSVOA_W

ClientSampled :

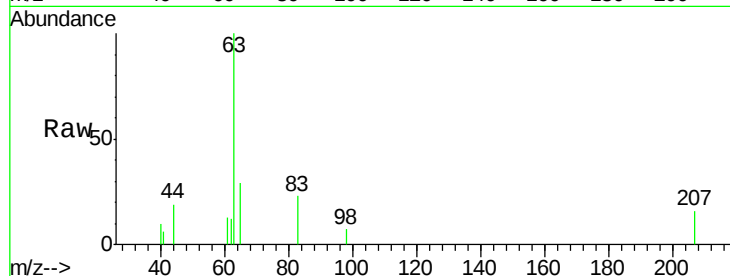
Tot Ion: 63 Resp: 2746

Ion Ratio Lower Upper

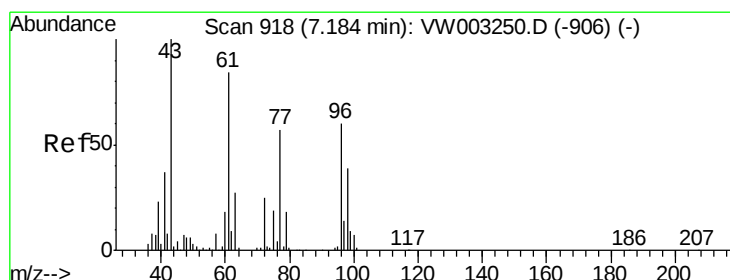
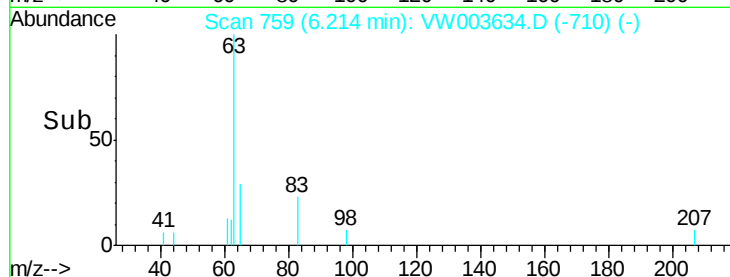
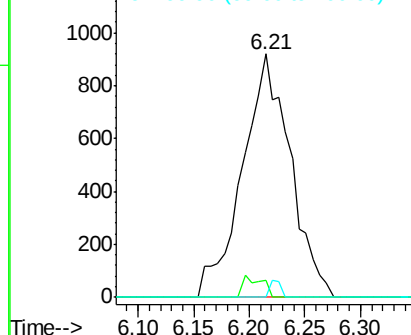
63 100

98 6.9 2.8 8.3

100 0.0 2.1 6.5#



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 3.935 ug/l

RT: 7.20 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW003634.D

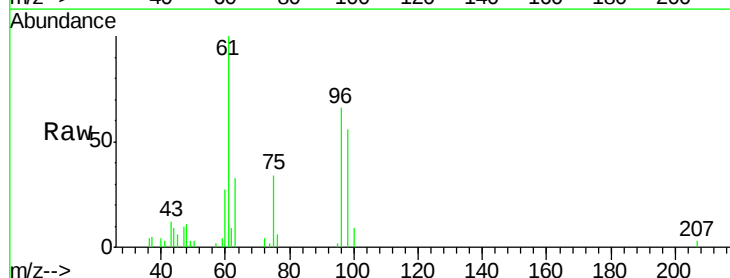
Acq: 28 Jun 2018 13:23

Tgt Ion: 43 Resp: 1290

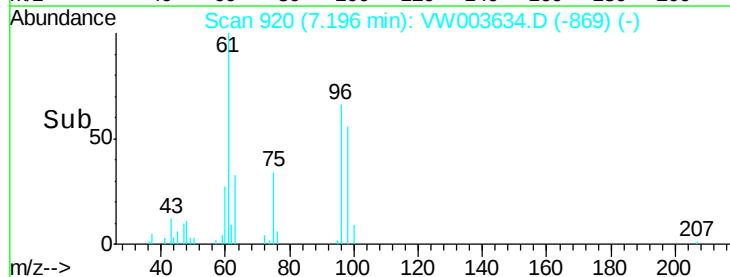
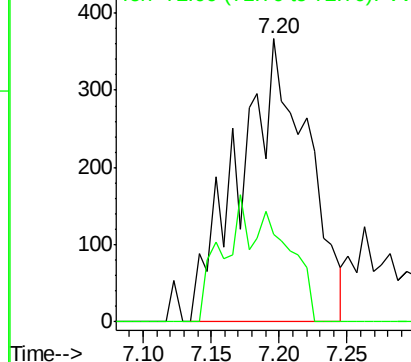
Ion Ratio Lower Upper

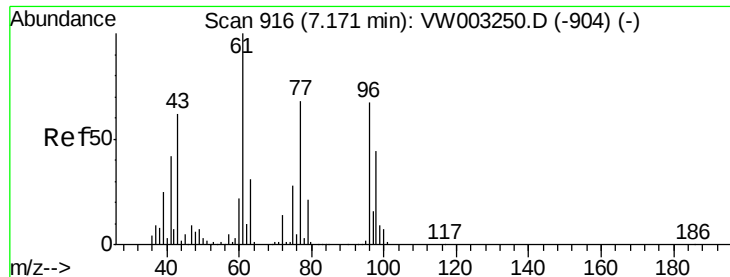
43 100

72 31.1 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



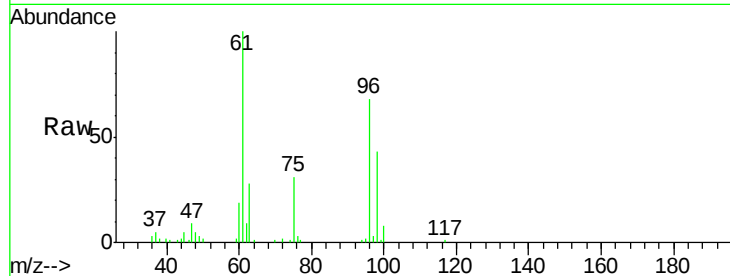


#27

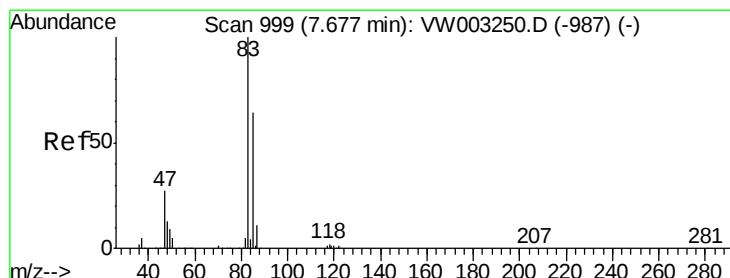
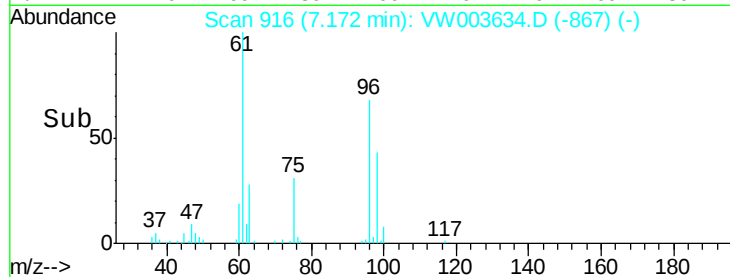
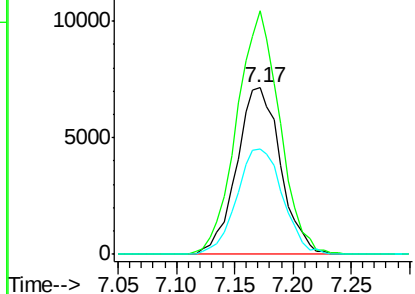
cis-1,2-Dichloroethene
 Concen: 14.940 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW003634.D
 Acq: 28 Jun 2018 13:23

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	298.8
98	66.3	0.0	130.4



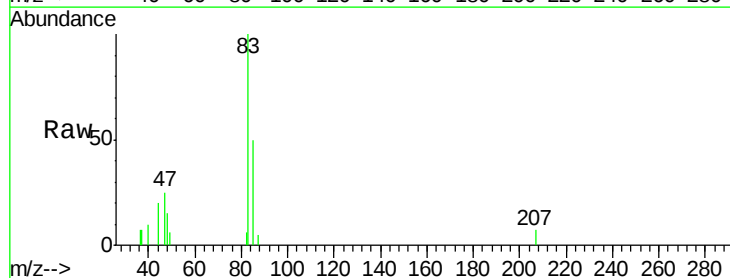
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



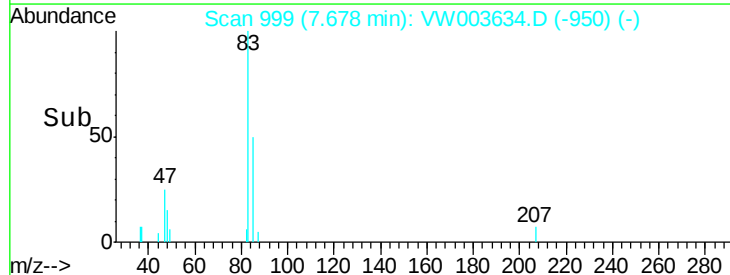
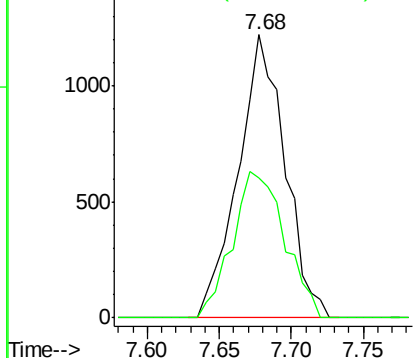
#30

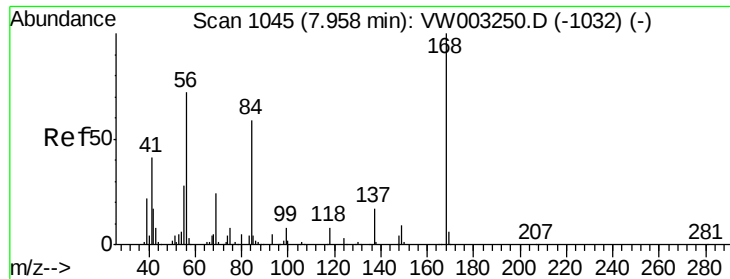
Chloroform
 Concen: 1.242 ug/l
 RT: 7.68 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VW003634.D
 Acq: 28 Jun 2018 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	49.6	51.3	76.9#



Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW

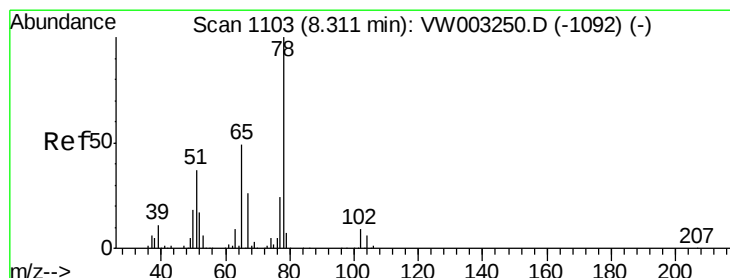
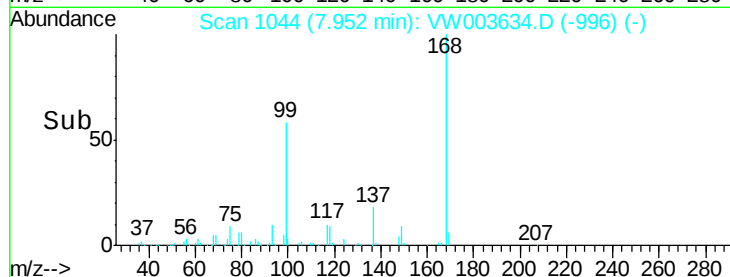
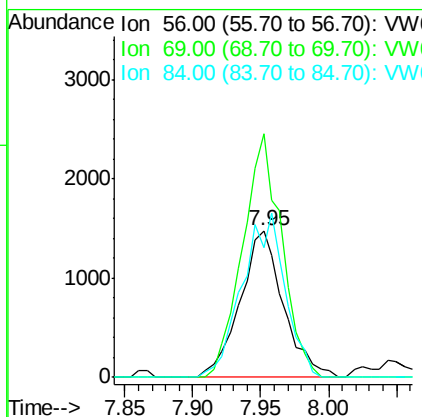
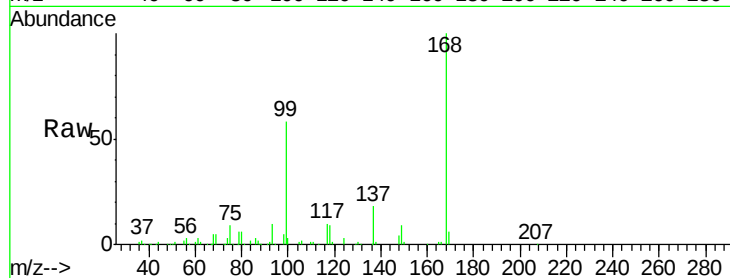




#31
Cyclohexane
Concen: 1.619 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003634.D
Acq: 28 Jun 2018 13:23

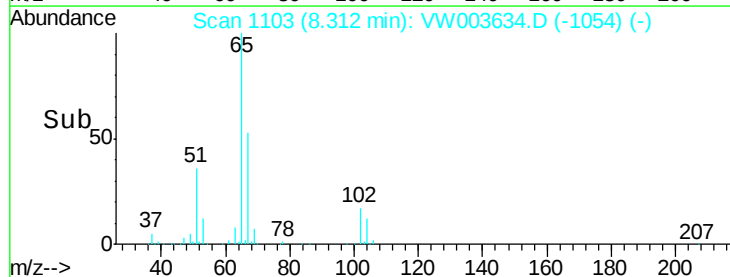
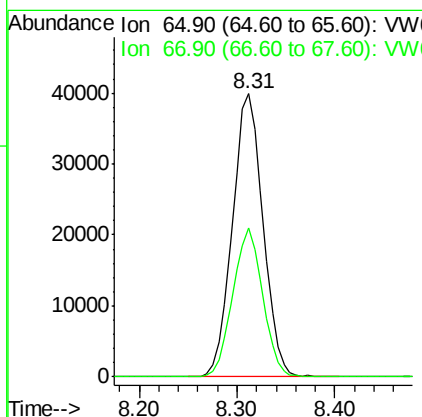
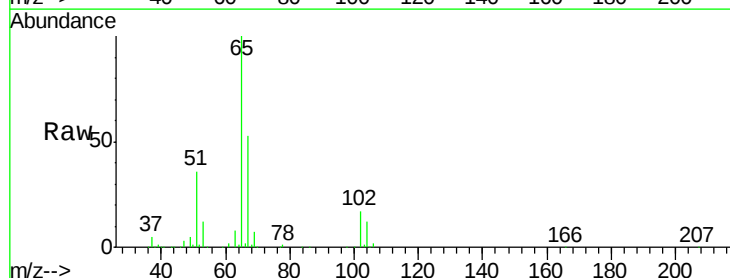
Instrument :
MSVOA_W
ClientSampled :

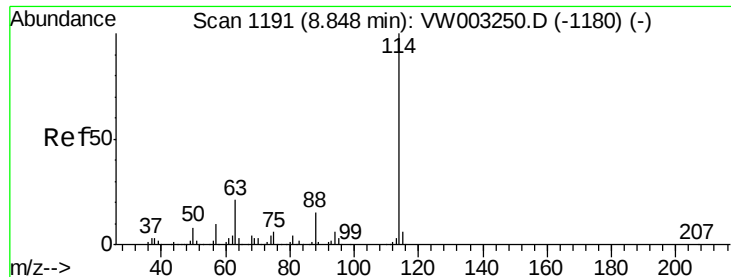
Tot Ion: 56 Resp: 3289
Ion Ratio Lower Upper
56 100
69 166.0 26.3 39.5#
84 88.6 65.7 98.5



#33
1,2-Dichloroethane-d4
Concen: 68.872 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW003634.D
Acq: 28 Jun 2018 13:23

Tgt Ion: 65 Resp: 86569
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.2

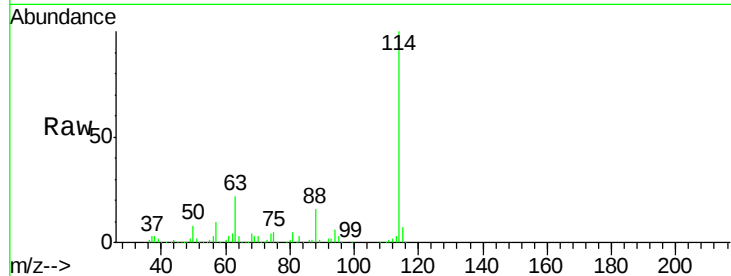




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003634.D
 Acq: 28 Jun 2018 13:23

Instrument :
 MSVOA_W
 ClientSampled :

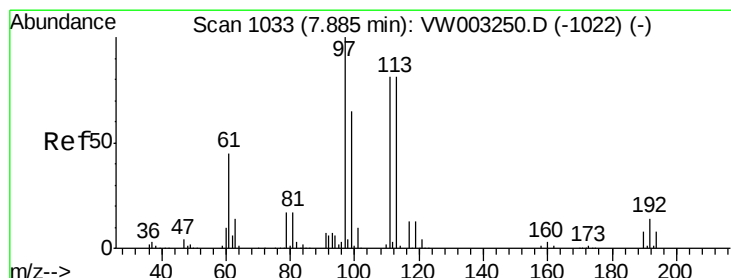
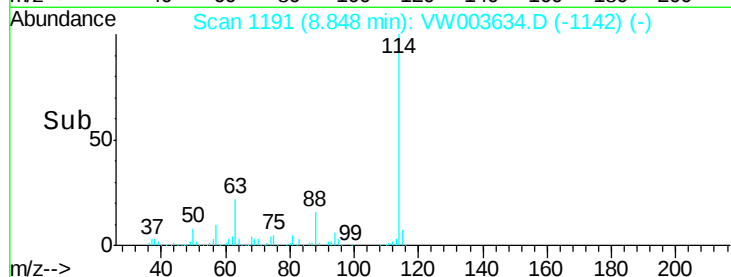
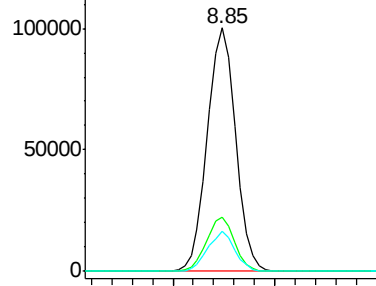
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.0
88	16.4	0.0	29.6



Abundance Ion 113.90 (113.60 to 114.60): V

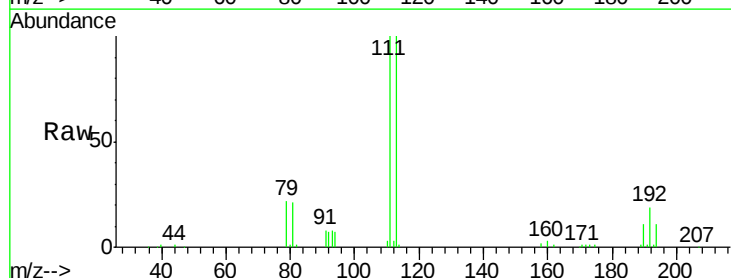
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 61.772 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003634.D
 Acq: 28 Jun 2018 13:23

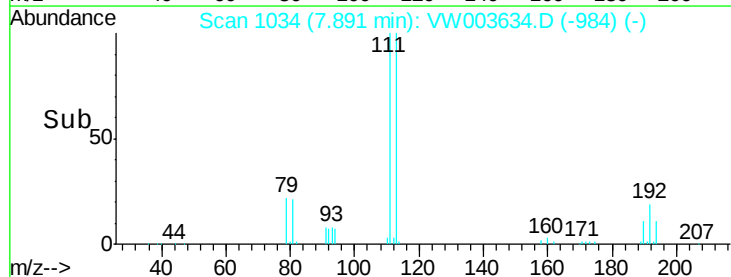
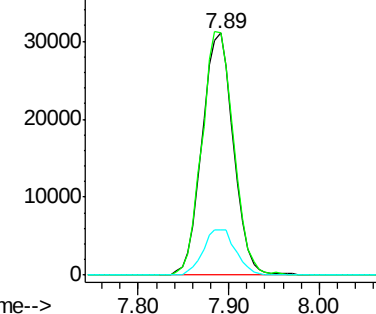
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.2
192	19.5	16.2	24.2

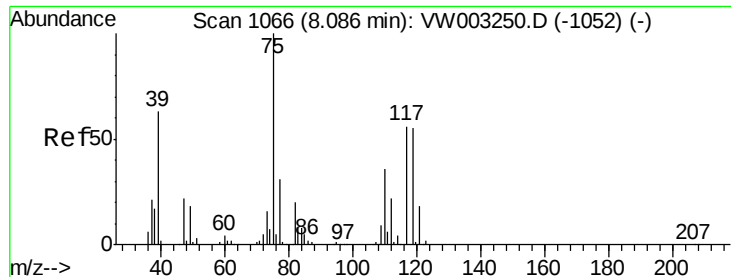


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.432 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003634.D

Acq: 28 Jun 2018 13:23

Instrument :
MSVOA_W
ClientSampled :

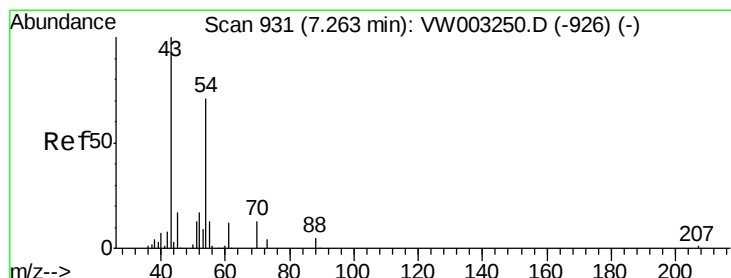
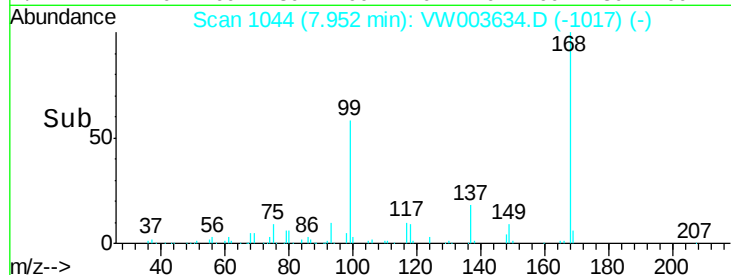
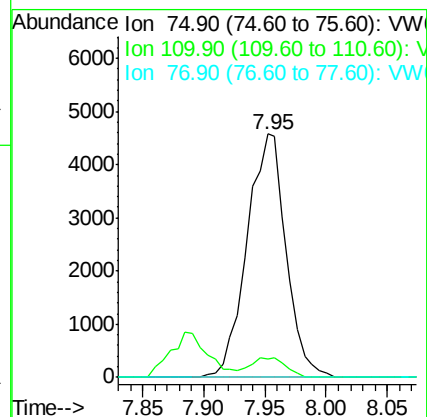
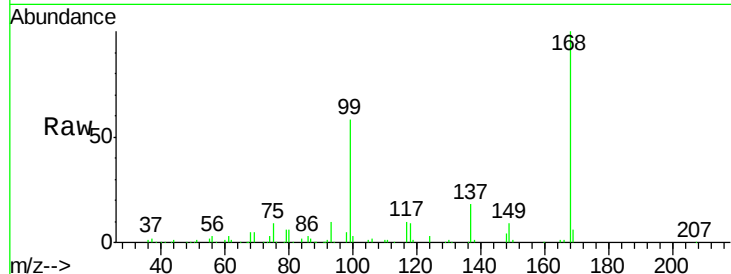
Tot Ion: 75 Resp: 10148

Ion Ratio Lower Upper

75 100

110 7.3 17.1 51.3#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 1.667 ug/l

RT: 7.20 min Scan# 920

Delta R.T. -0.07 min

Lab File: VW003634.D

Acq: 28 Jun 2018 13:23

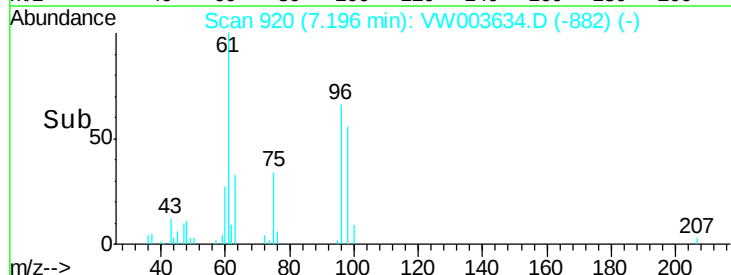
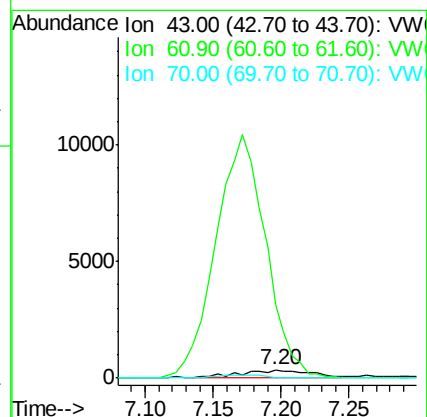
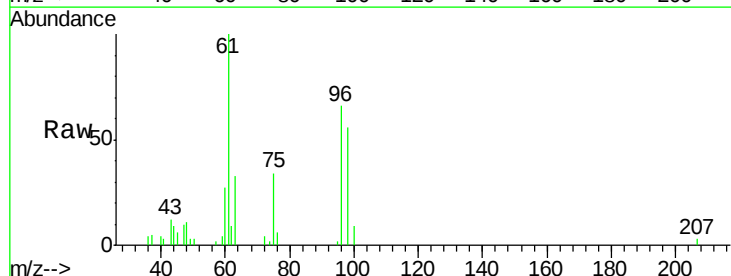
Tgt Ion: 43 Resp: 1290

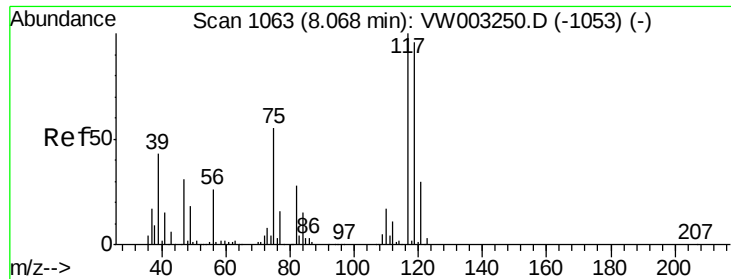
Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

70 0.0 7.8 11.6#





#38

Carbon Tetrachloride

Concen: 6.396 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003634.D

Acq: 28 Jun 2018 13:23

Instrument :

MSVOA_W

ClientSampleId :

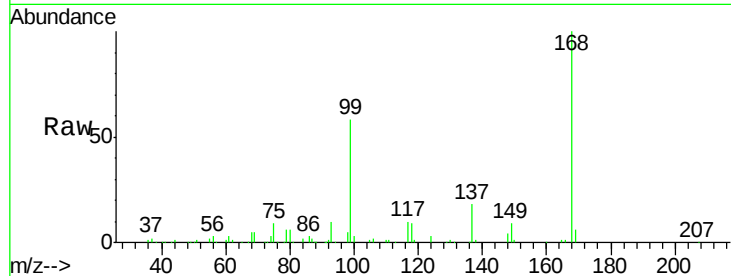
Tot Ion:117 Resp: 11720

Ion Ratio Lower Upper

117 100

119 6.8 76.6 115.0#

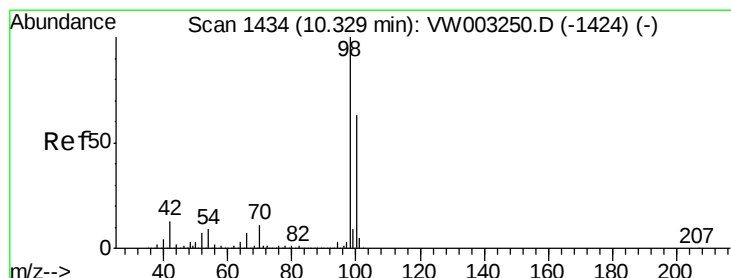
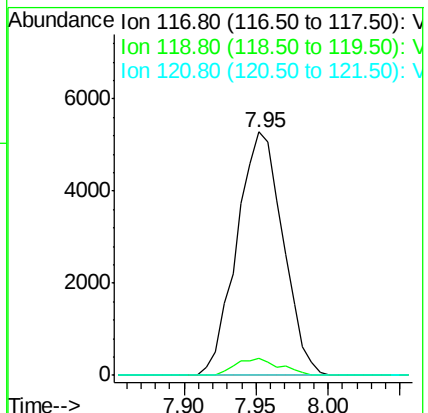
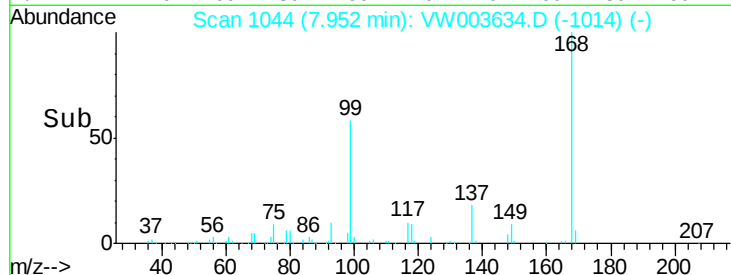
121 0.0 23.9 35.9#



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: 52.782 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003634.D

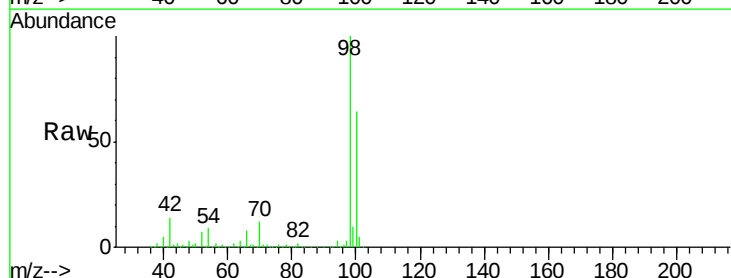
Acq: 28 Jun 2018 13:23

Tgt Ion: 98 Resp: 251567

Ion Ratio Lower Upper

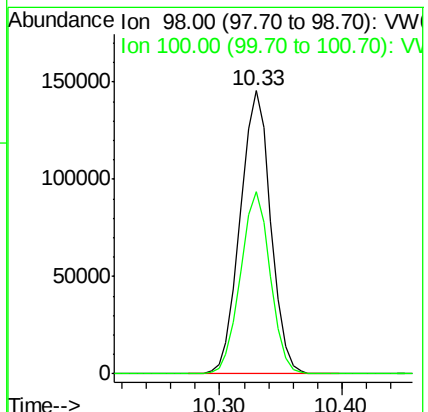
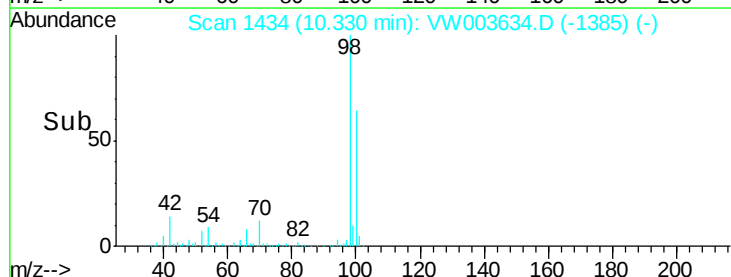
98 100

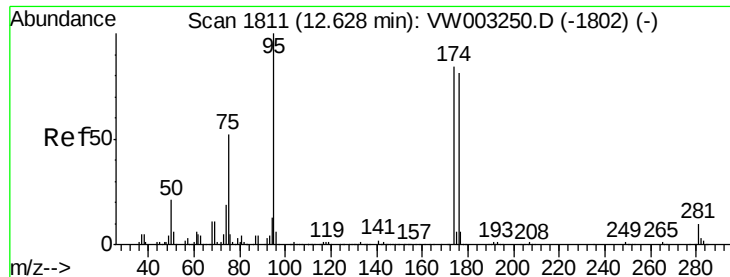
100 62.9 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 50.940 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003634.D

Acq: 28 Jun 2018 13:23

Instrument :

MSVOA_W

ClientSampleId :

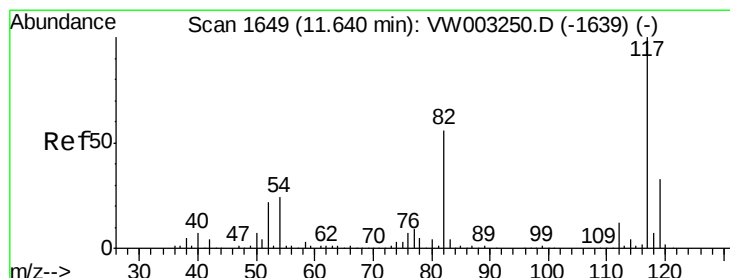
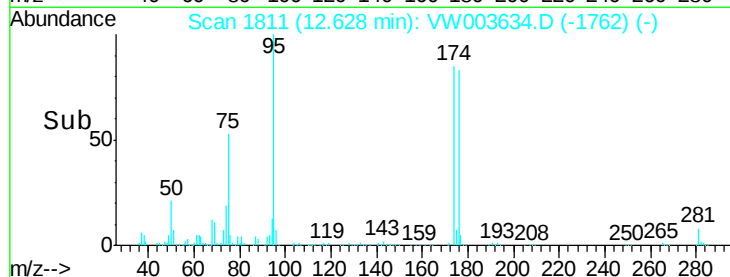
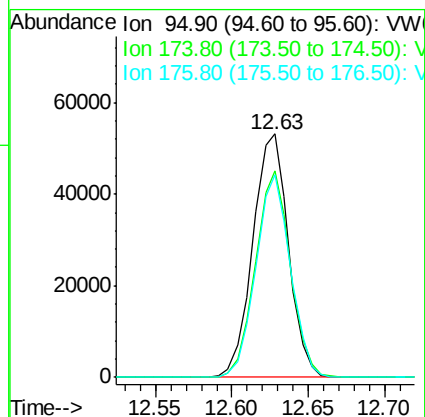
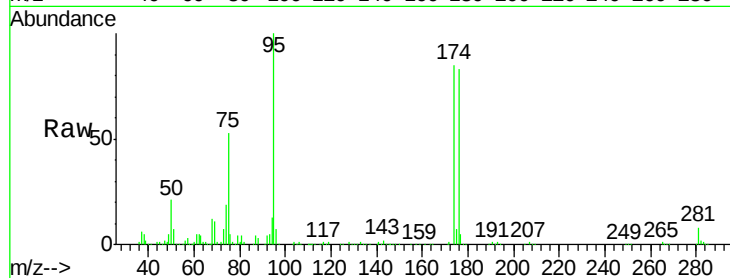
Tot Ion: 95 Resp: 85921

Ion Ratio Lower Upper

95 100

174 83.3 0.0 166.4

176 80.9 0.0 162.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VW003634.D

Acq: 28 Jun 2018 13:23

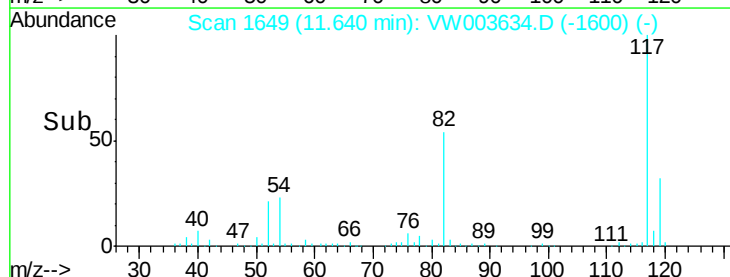
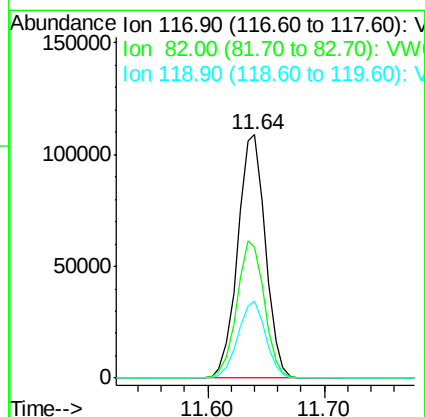
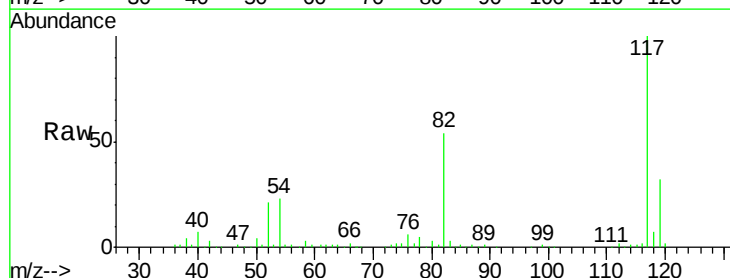
Tgt Ion: 117 Resp: 180916

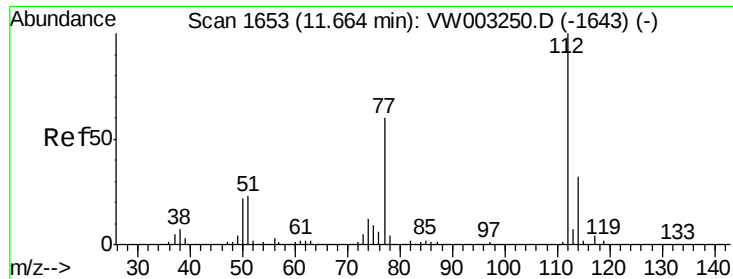
Ion Ratio Lower Upper

117 100

82 53.7 44.6 67.0

119 31.9 26.7 40.1

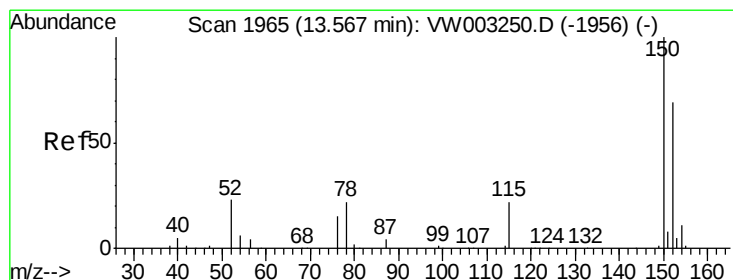
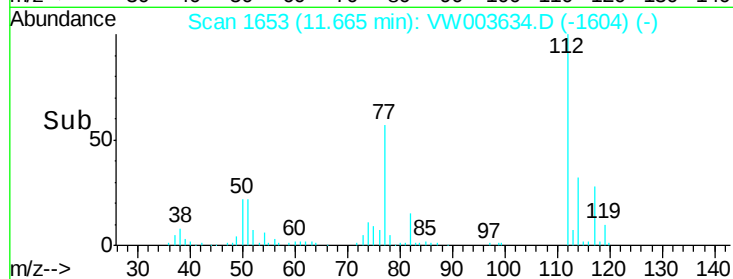
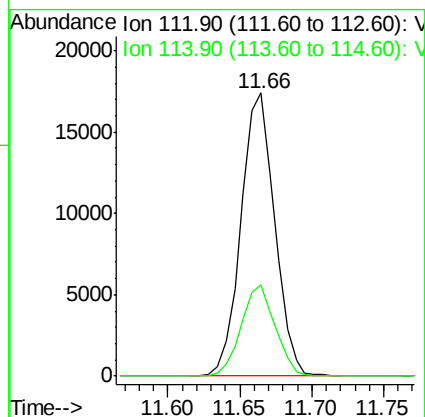
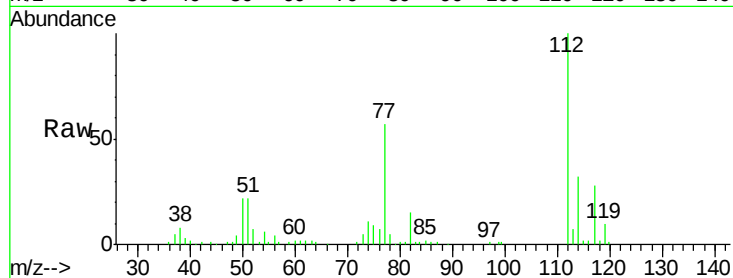




#65
Chlorobenzene
Concen: 7.471 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003634.D
Acq: 28 Jun 2018 13:23

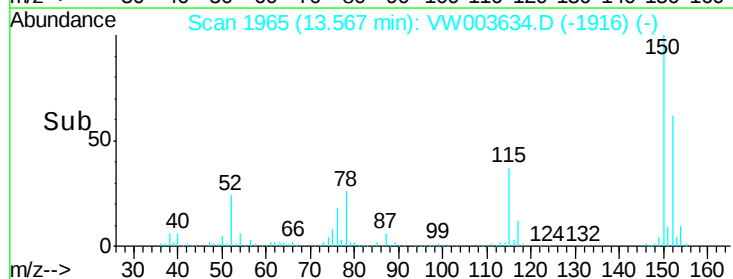
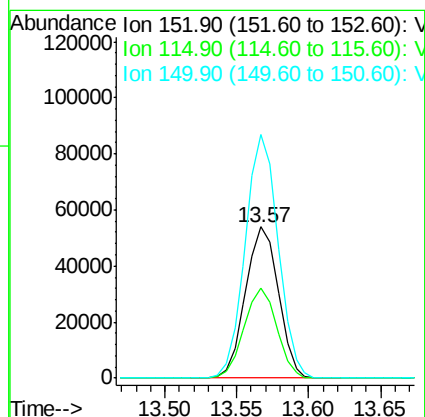
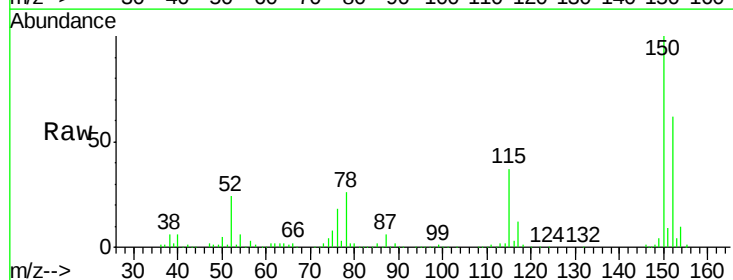
Instrument :
MSVOA_W
ClientSampleId :

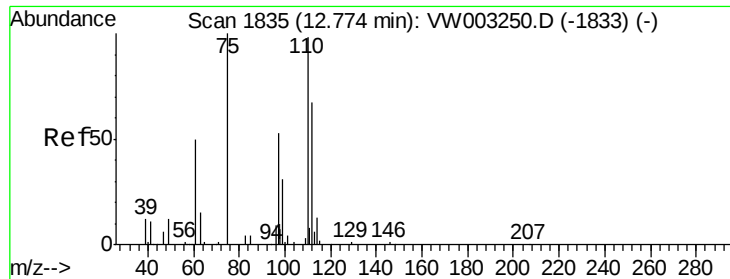
Tot Ion:112 Resp: 28148
Ion Ratio Lower Upper
112 100
114 32.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003634.D
Acq: 28 Jun 2018 13:23

Tgt Ion:152 Resp: 85837
Ion Ratio Lower Upper
152 100
115 58.9 29.3 88.0
150 159.9 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 64.249 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW003634.D

Acq: 28 Jun 2018 13:23

Instrument :

MSVOA_W

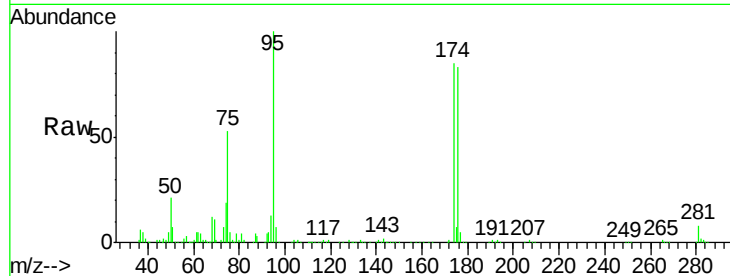
ClientSampleId :

Tot Ion: 75 Resp: 47146

Ion Ratio Lower Upper

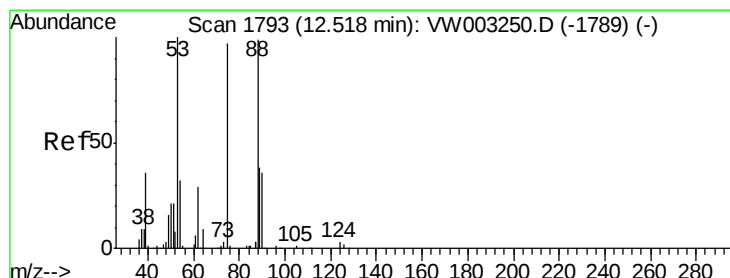
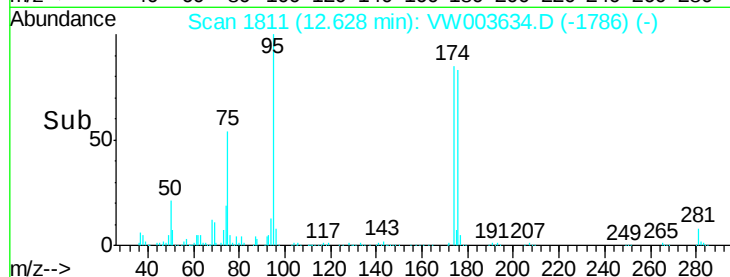
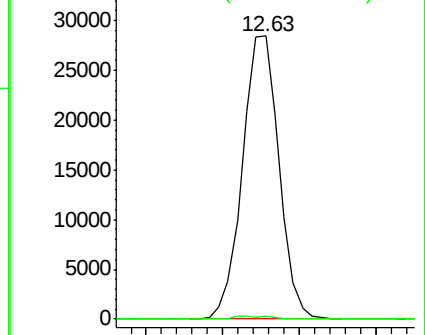
75 100

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: 147.839 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW003634.D

Acq: 28 Jun 2018 13:23

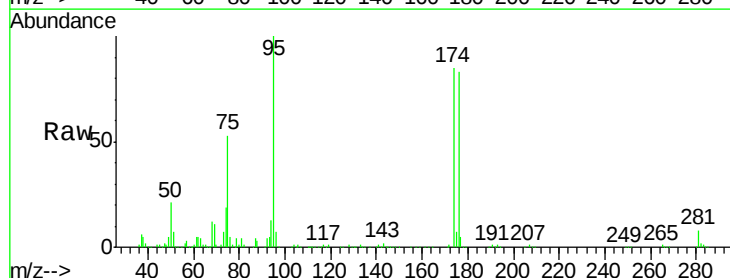
Tgt Ion: 75 Resp: 47146

Ion Ratio Lower Upper

75 100

53 0.3 82.9 124.3#

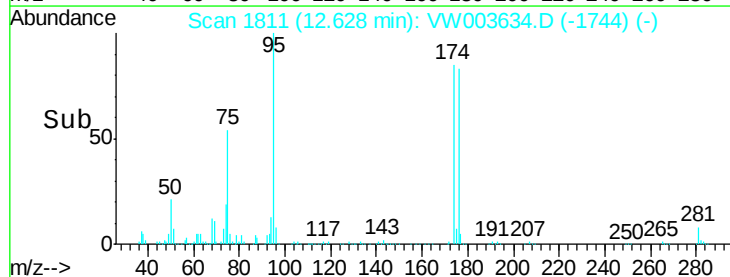
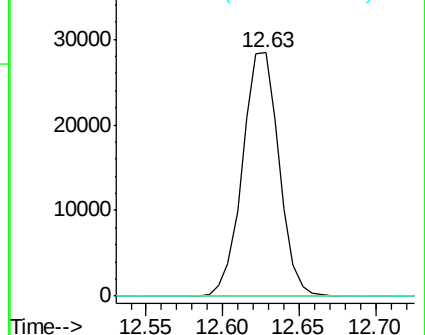
89 0.1 36.7 55.1#

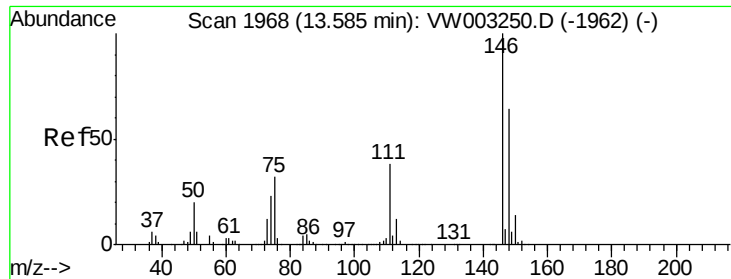


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

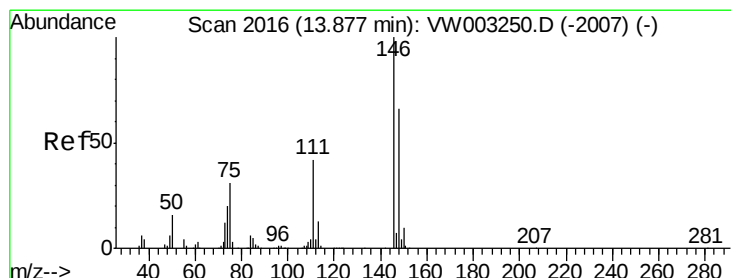
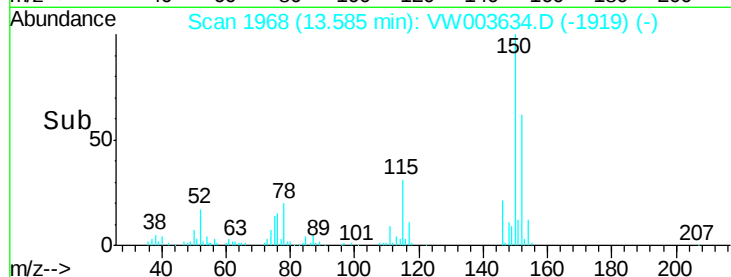
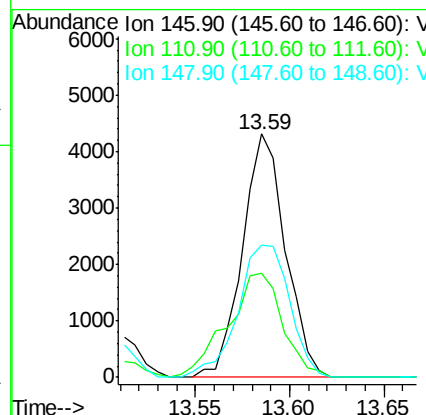
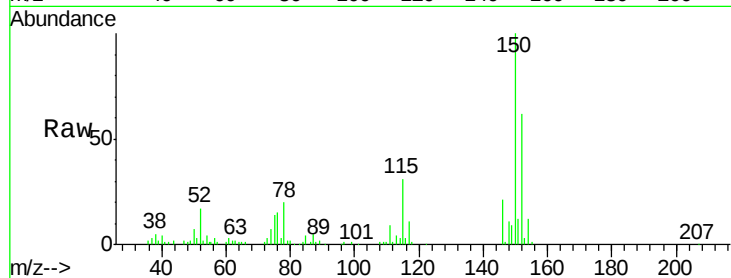




#88
 1,4-Dichlorobenzene
 Concen: 2.404 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003634.D
 Acq: 28 Jun 2018 13:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	54.8	19.2	57.6
148	65.3	31.8	95.4



#91
 1,2-Dichlorobenzene
 Concen: 2.569 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003634.D
 Acq: 28 Jun 2018 13:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	61.0
148	61.1	32.3	96.9

