

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012918\
 Data File : VW001132.D
 Acq On : 29 Jan 2018 21:14
 Operator : JC/SY
 Sample : J1009-09
 Misc : 6.15G/5.0ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AU-06-012518-A

Quant Time: Jan 30 14:43:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 30 01:11:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	14136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	19524	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	17641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	6687	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	9341	67.97	ug/l	0.00
Spiked Amount			Recovery	=	135.94%	
35) Dibromofluoromethane	7.88	113	1581	12.66	ug/l	0.00
Spiked Amount			Recovery	=	25.32%	
50) Toluene-d8	10.34	98	25123	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.63	95	8107	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	

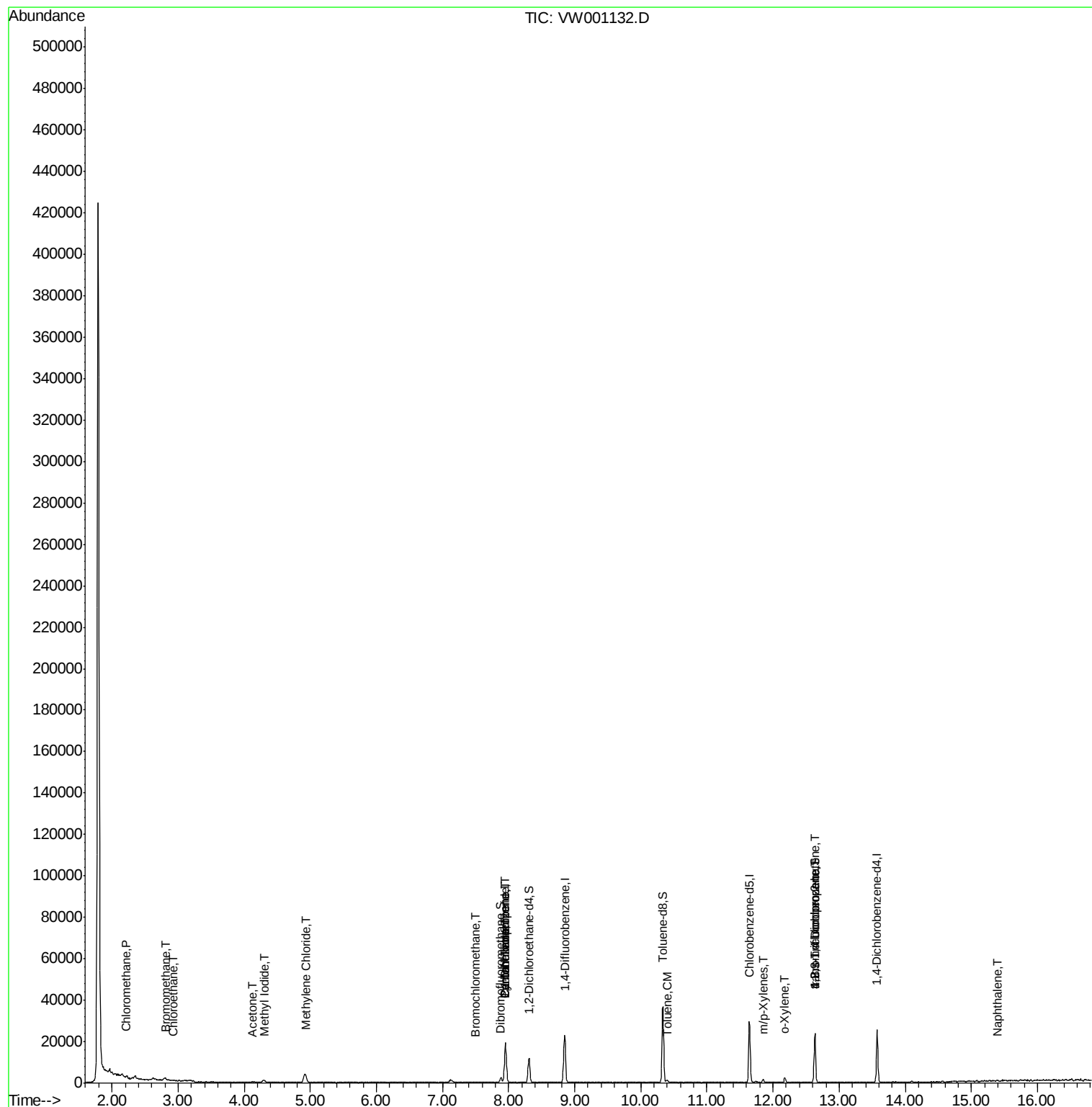
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	567	5.42	ug/l	97
5) Bromomethane	2.81	94	840	8.82	ug/l #	73
6) Chloroethane	2.92	64	223	3.77	ug/l #	42
10) Methyl Iodide	4.30	142	1926	14.16	ug/l	97
16) Acetone	4.12	43	417	11.54	ug/l #	43
18) Methyl Acetate	4.92	43	25	Below Cal	#	50
20) Methylene Chloride	4.93	84	3395	27.29	ug/l	89
28) Bromochloromethane	7.50	49	150	1.76	ug/l #	51
31) Cyclohexane	7.95	56	314	1.54	ug/l #	53
36) 1,1-Dichloropropene	7.95	75	1076	6.10	ug/l #	40
38) Carbon Tetrachloride	7.95	117	1531	7.78	ug/l #	12
52) Toluene	10.40	92	437	1.39	ug/l	80
68) m/p-Xylenes	11.85	106	498	2.15	ug/l #	71
69) o-Xylene	12.18	106	686	3.21	ug/l	90
76) 1,2,3-Trichloropropane	12.63	75	3975	58.65	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	3975	154.22	ug/l #	12
95) Naphthalene	15.40	128	303	1.06	ug/l #	69

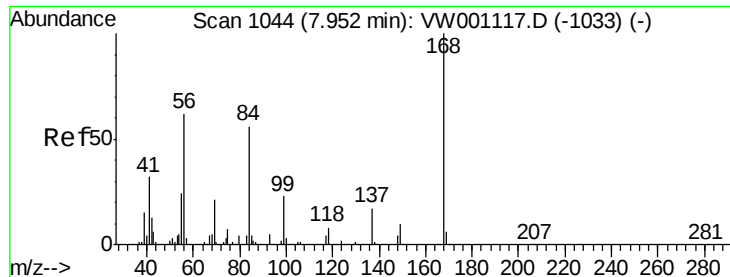
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW001132.D

Acq: 29 Jan 2018 21:14

Instrument :

MSVOA_W

ClientSampleId :

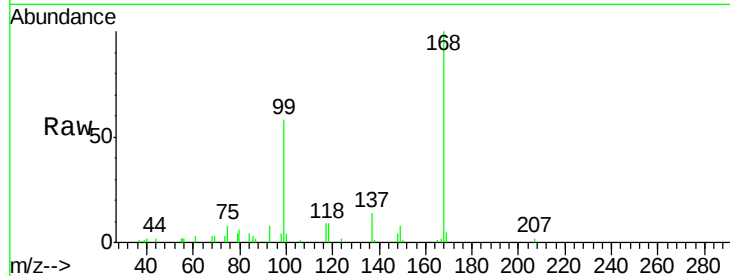
AU-06-012518-A

Tot Ion:168 Resp: 14136

Ion Ratio Lower Upper

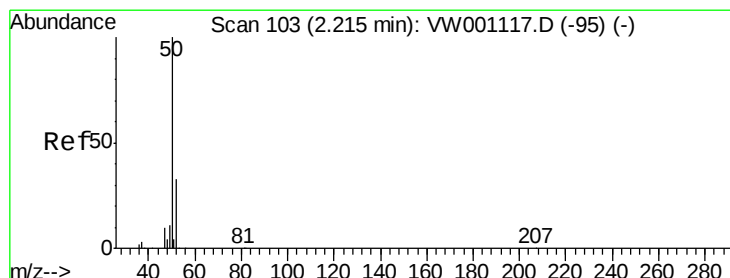
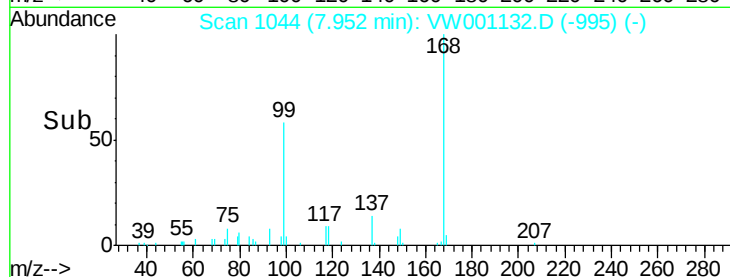
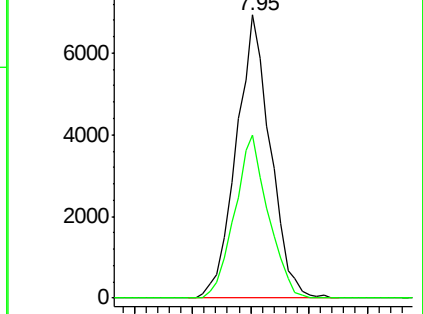
168 100

99 57.6 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 5.42 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW001132.D

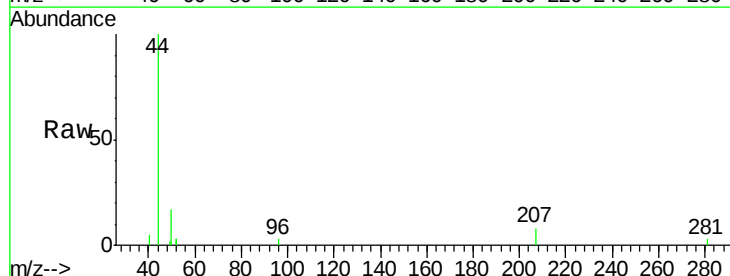
Acq: 29 Jan 2018 21:14

Tgt Ion: 50 Resp: 567

Ion Ratio Lower Upper

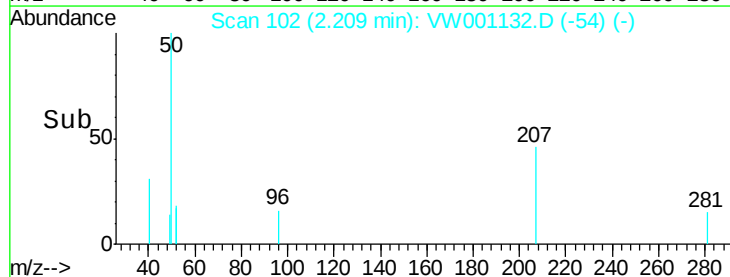
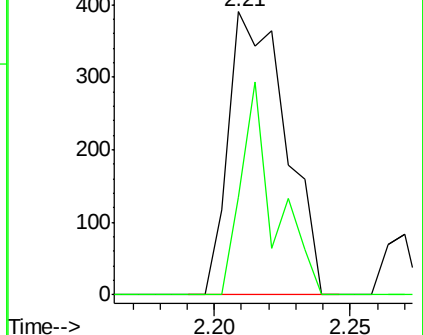
50 100

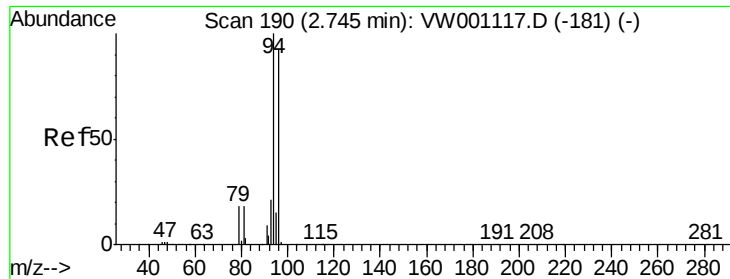
52 34.4 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#5

Bromomethane

Concen: 8.82 ug/l

RT: 2.81 min Scan# 200

Delta R.T. 0.06 min

Lab File: VW001132.D

Acq: 29 Jan 2018 21:14

Instrument :

MSVOA_W

ClientSampleId :

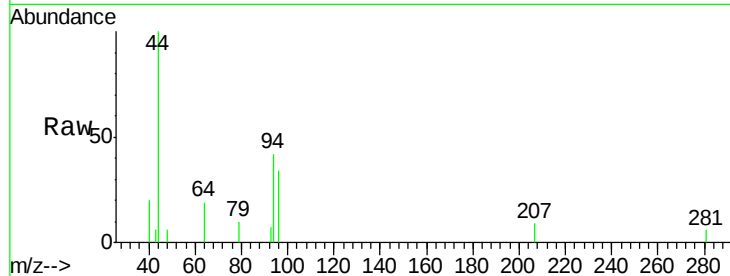
AU-06-012518-A

Tot Ion: 94 Resp: 840

Ion Ratio Lower Upper

94 100

96 66.5 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.81

400

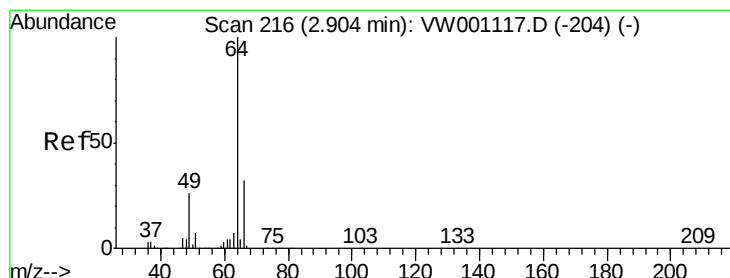
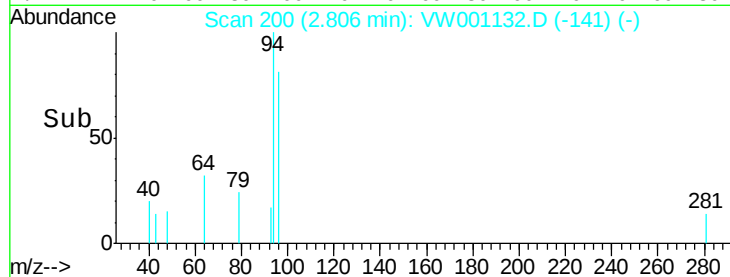
300

200

100

0

Time-->



#6

Chloroethane

Concen: 3.77 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.02 min

Lab File: VW001132.D

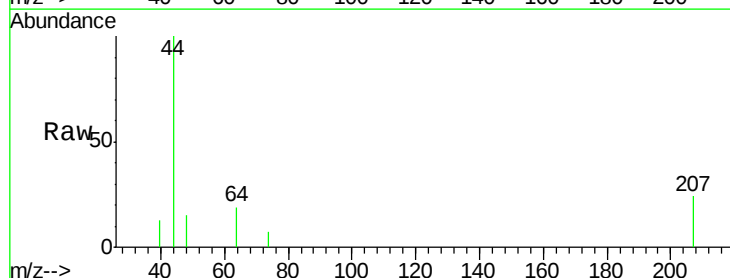
Acq: 29 Jan 2018 21:14

Tgt Ion: 64 Resp: 223

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.8#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

200

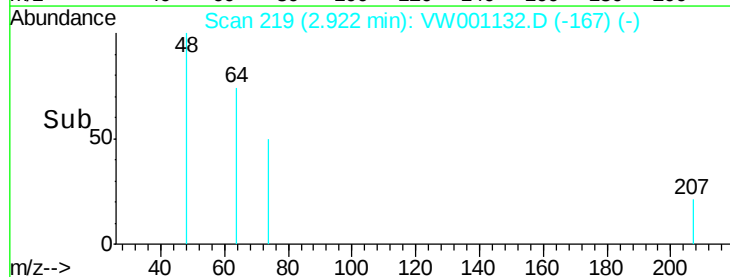
150

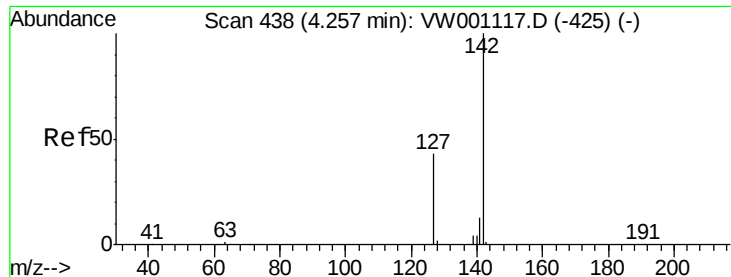
100

50

0

Time-->

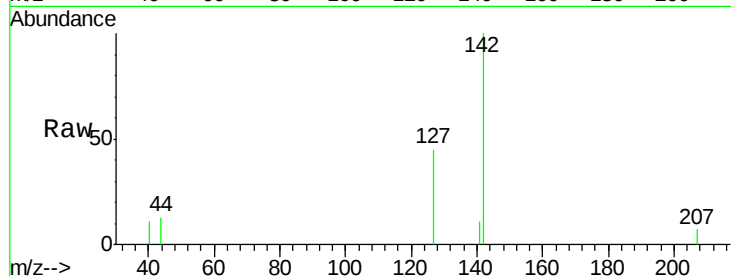




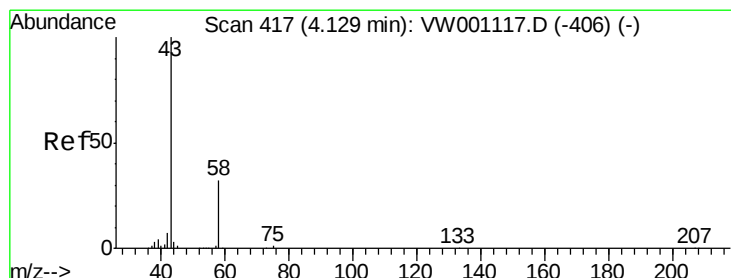
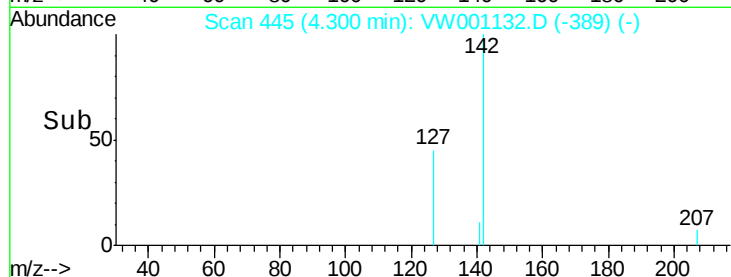
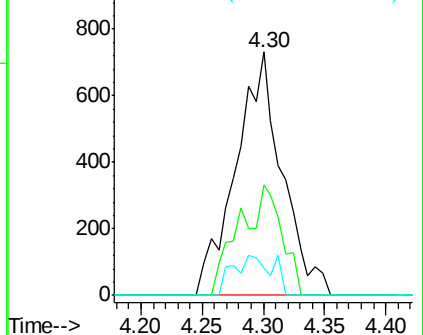
#10
Methvl Iodide
Concen: 14.16 ug/l
RT: 4.30 min Scan# 445
Delta R.T. 0.04 min
Lab File: VW001132.D
Acq: 29 Jan 2018 21:14

Instrument :
MSVOA_W
ClientSampleId :
AU-06-012518-A

Tot Ion:142 Resp: 1926
Ion Ratio Lower Upper
142 100
127 41.9 35.4 53.2
141 14.1 11.6 17.4

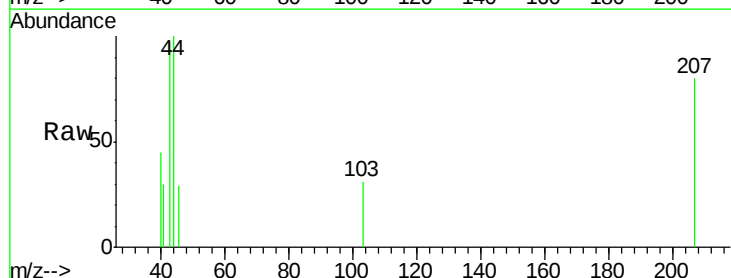


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

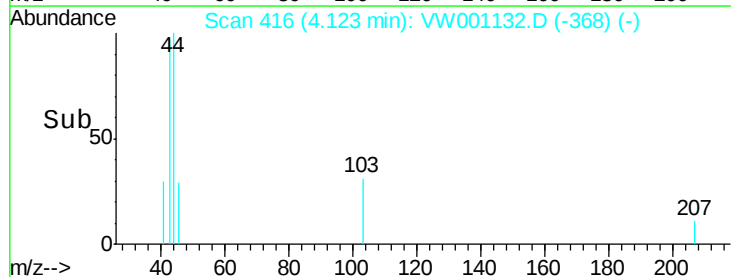
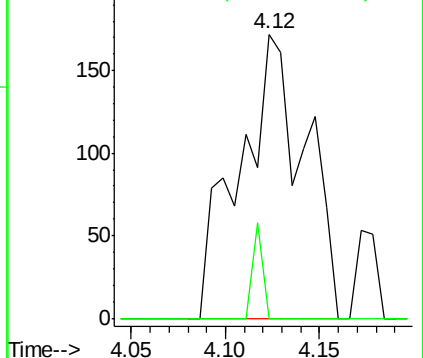


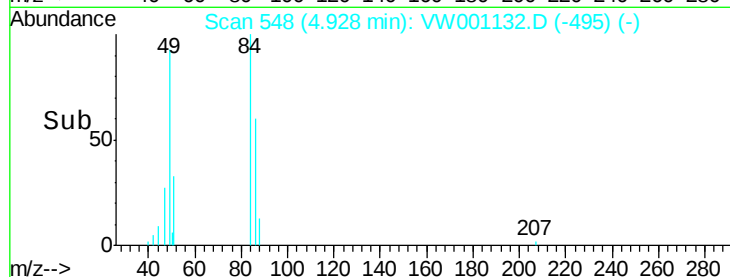
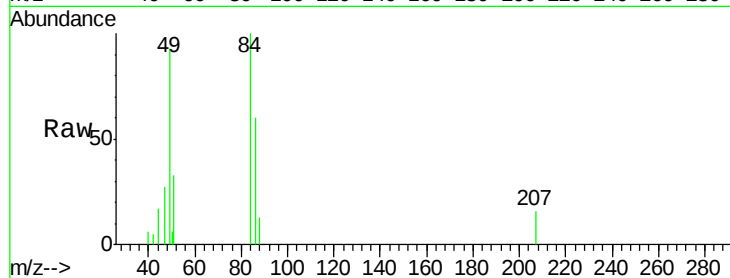
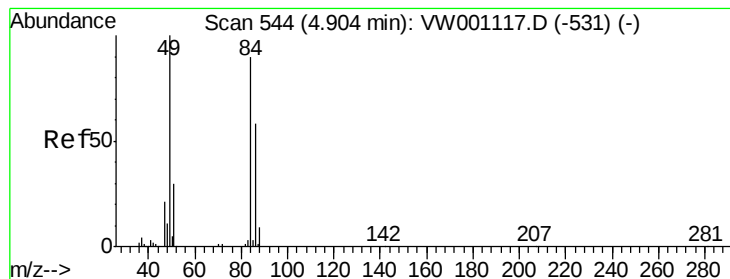
#16
Acetone
Concen: 11.54 ug/l
RT: 4.12 min Scan# 416
Delta R.T. -0.01 min
Lab File: VW001132.D
Acq: 29 Jan 2018 21:14

Tgt Ion: 43 Resp: 417
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 27.29 ug/l

RT: 4.93 min Scan# 548

Delta R.T. 0.02 min

Lab File: VW001132.D

Acq: 29 Jan 2018 21:14

Instrument :

MSVOA_W

ClientSampleId :

AU-06-012518-A

Tot Ion: 84 Resp: 3395

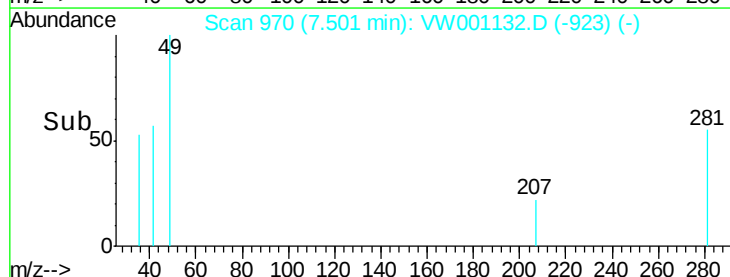
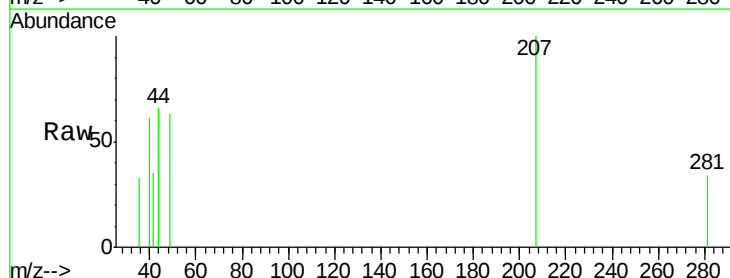
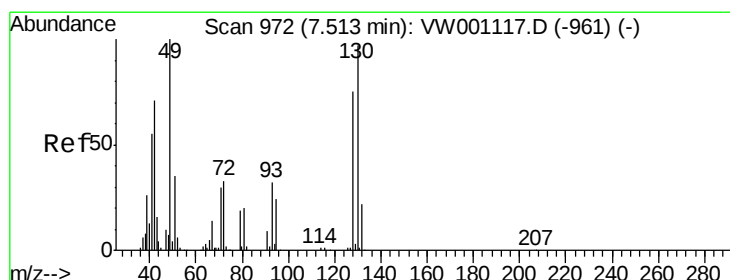
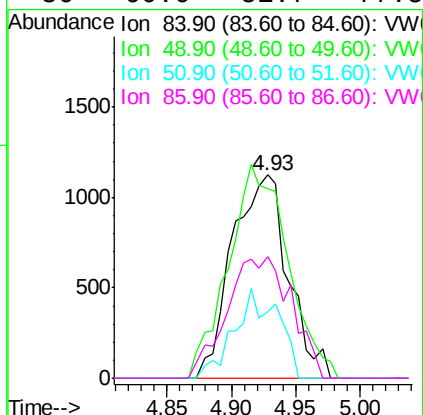
Ion Ratio Lower Upper

84 100

49 93.2 89.2 133.8

51 32.9 26.7 40.1

86 60.0 51.7 77.5



#28

Bromochloromethane

Concen: 1.76 ug/l

RT: 7.50 min Scan# 970

Delta R.T. -0.01 min

Lab File: VW001132.D

Acq: 29 Jan 2018 21:14

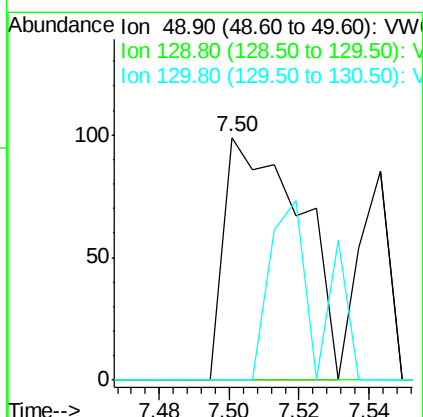
Tgt Ion: 49 Resp: 150

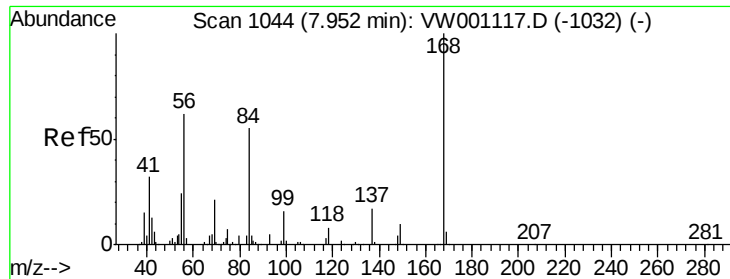
Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.6

130 46.7 75.5 113.3#

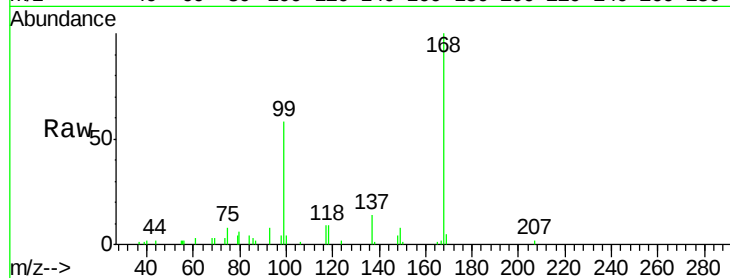




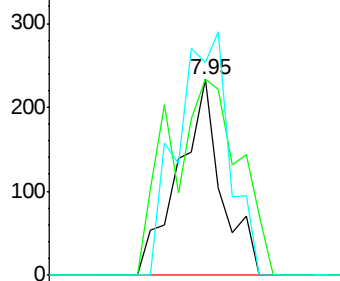
#31
Cyclohexane
Concen: 1.54 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW001132.D
Acq: 29 Jan 2018 21:14

Instrument :
MSVOA_W
ClientSampleId :
AU-06-012518-A

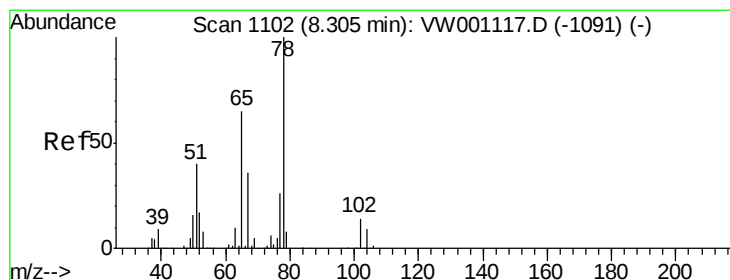
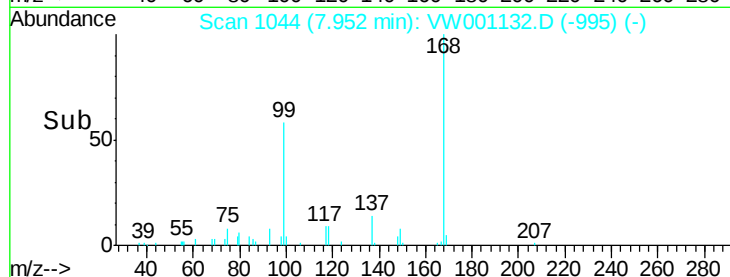
Tot Ion: 56 Resp: 314
Ion Ratio Lower Upper
56 100
69 100.0 27.4 41.0#
84 109.0 71.1 106.7#



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

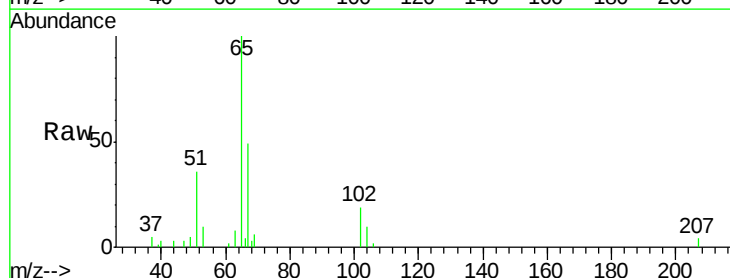


Time-->

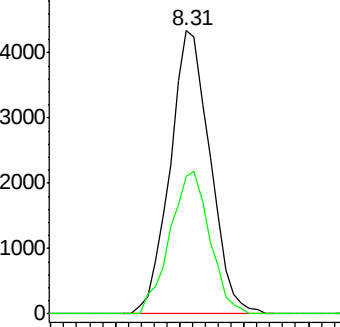


#33
1,2-Dichloroethane-d4
Concen: 67.97 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW001132.D
Acq: 29 Jan 2018 21:14

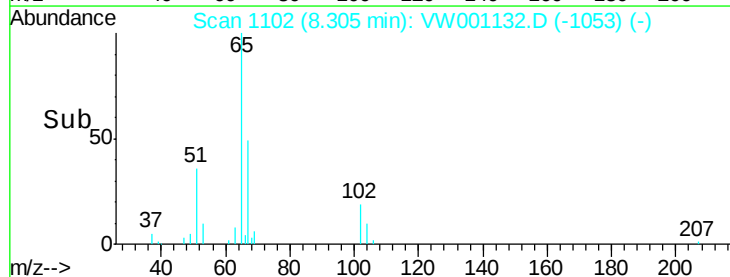
Tgt Ion: 65 Resp: 9341
Ion Ratio Lower Upper
65 100
67 50.0 0.0 104.2

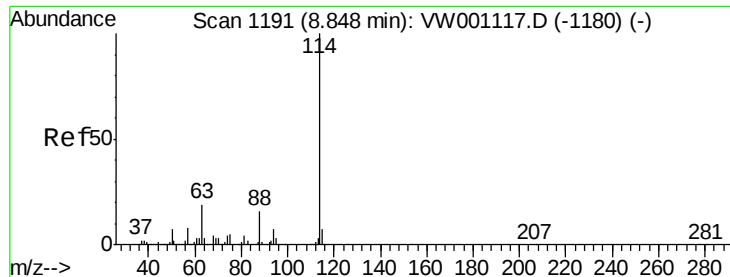


Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW



Time-->





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW001132.D

Acq: 29 Jan 2018 21:14

Instrument :

MSVOA_W

ClientSampleId :

AU-06-012518-A

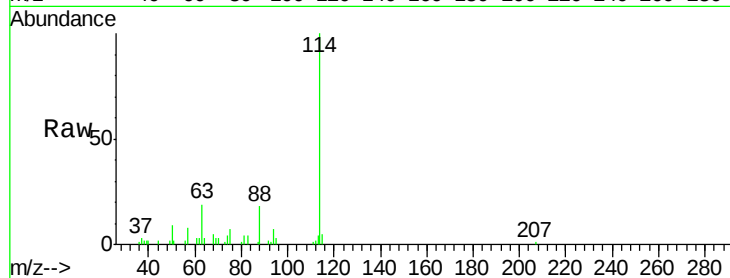
Tot Ion:114 Resp: 19524

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.2

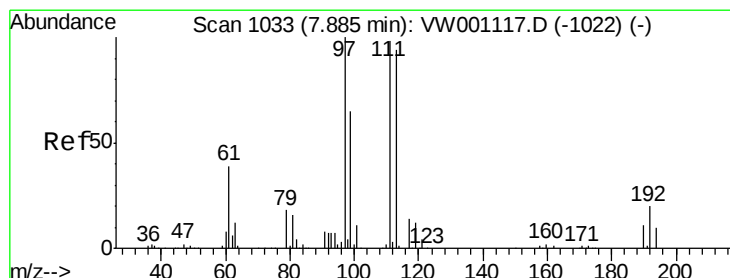
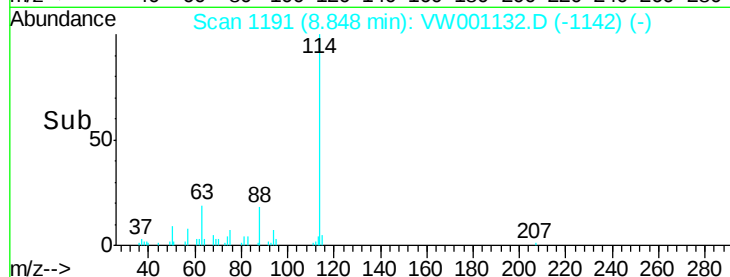
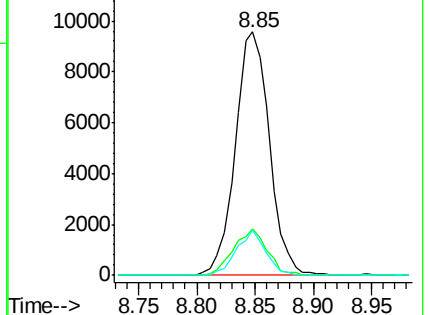
88 18.5 0.0 31.0



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: 12.66 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW001132.D

Acq: 29 Jan 2018 21:14

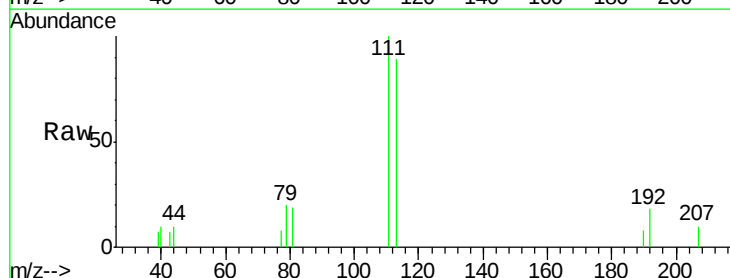
Tgt Ion:113 Resp: 1581

Ion Ratio Lower Upper

113 100

111 120.2 83.1 124.7

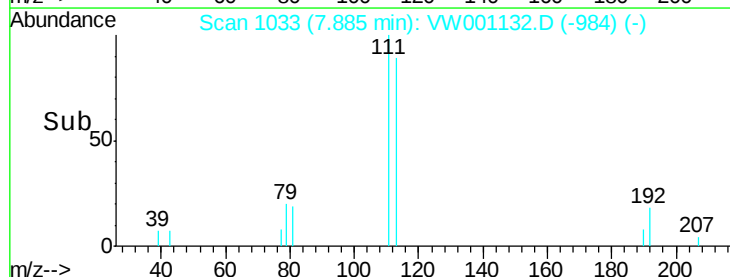
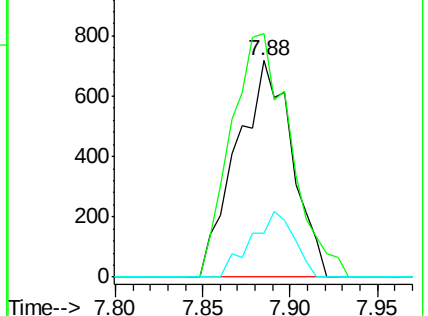
192 23.3 17.8 26.6

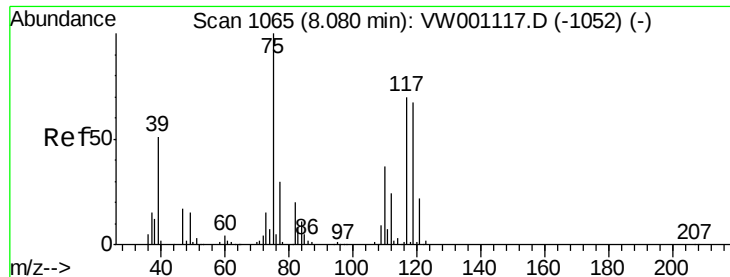


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.10 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW001132.D

Acq: 29 Jan 2018 21:14

Instrument :

MSVOA_W

ClientSampleId :

AU-06-012518-A

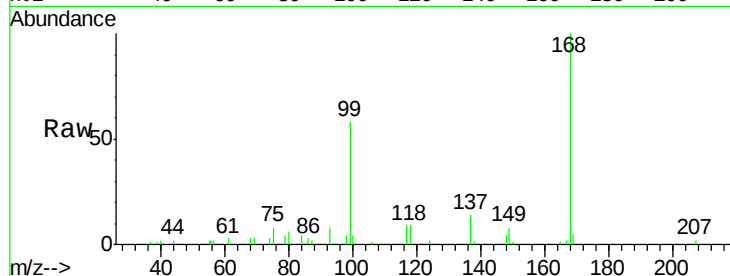
Tot Ion: 75 Resp: 1076

Ion Ratio Lower Upper

75 100

110 0.0 18.7 56.1#

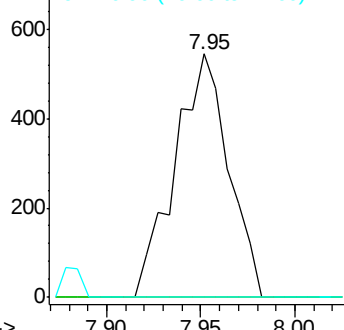
77 0.0 24.6 37.0#



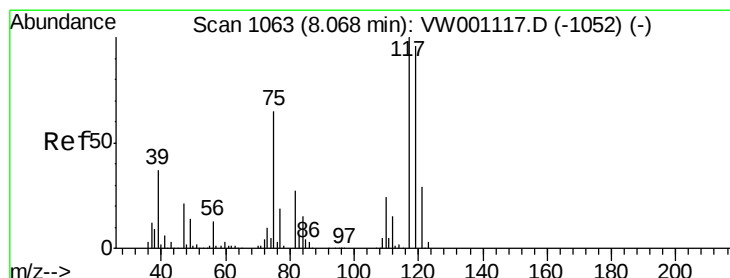
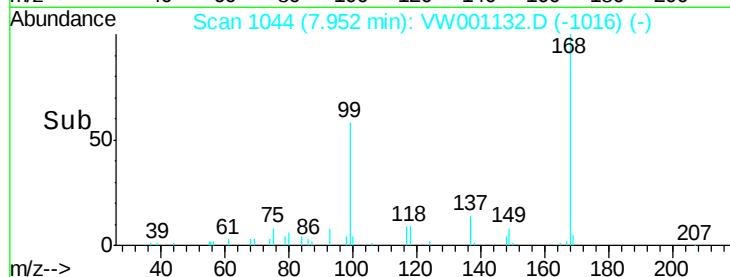
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



Time-->



#38

Carbon Tetrachloride

Concen: 7.78 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW001132.D

Acq: 29 Jan 2018 21:14

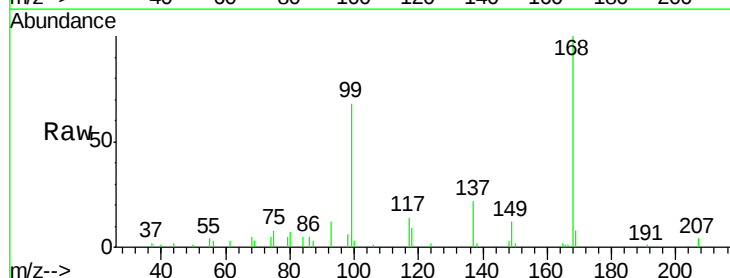
Tgt Ion: 117 Resp: 1531

Ion Ratio Lower Upper

117 100

119 0.0 77.0 115.4#

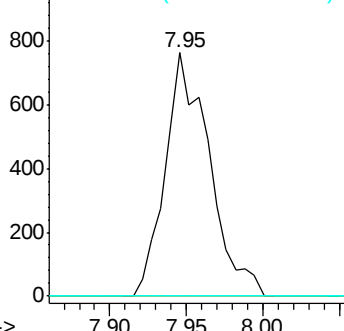
121 0.0 23.5 35.3#



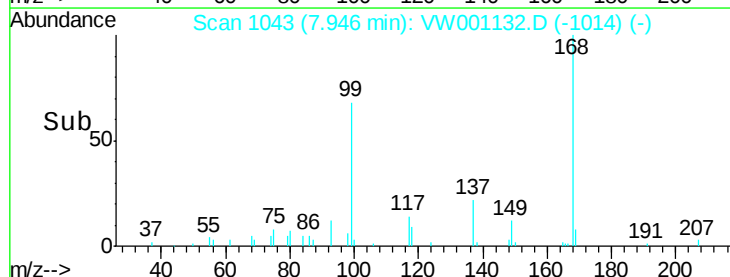
Abundance Ion 116.80 (116.50 to 117.50): V

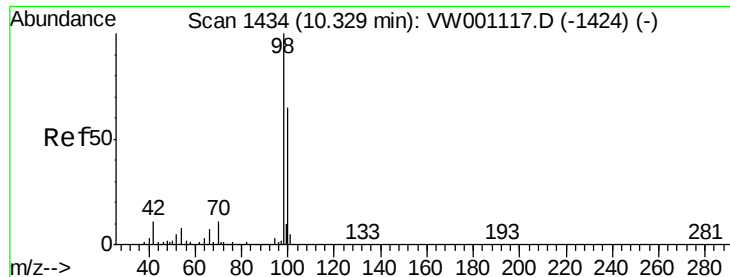
Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



Time-->





#50

Toluene-d8

Concen: 52.27 ug/l

RT: 10.34 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW001132.D

Acq: 29 Jan 2018 21:14

Instrument :

MSVOA_W

ClientSampleId :

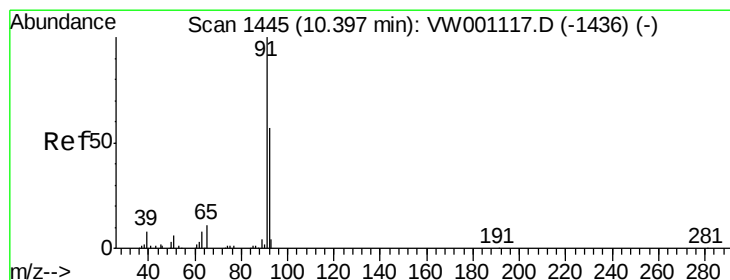
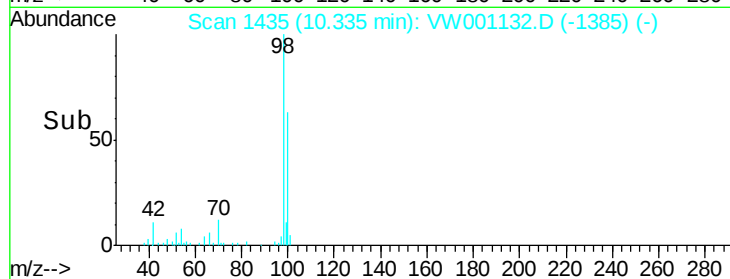
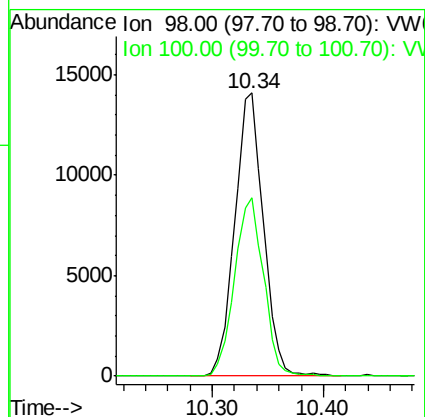
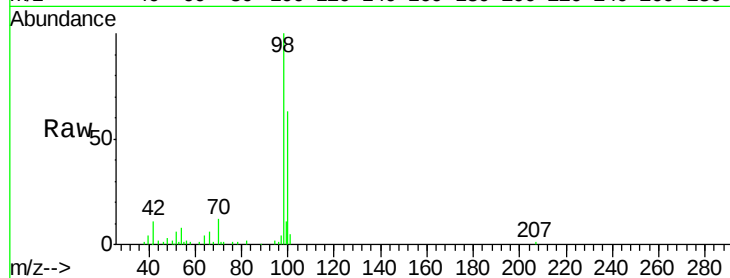
AU-06-012518-A

Tot Ion: 98 Resp: 25123

Ion Ratio Lower Upper

98 100

100 63.8 51.3 76.9



#52

Toluene

Concen: 1.39 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW001132.D

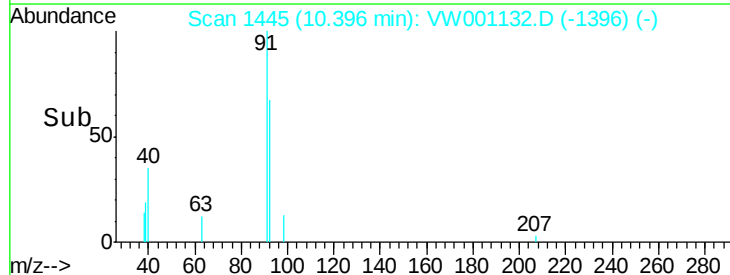
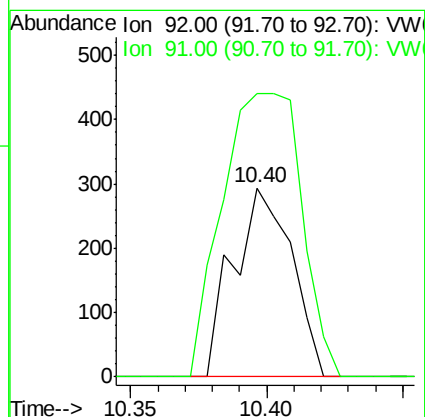
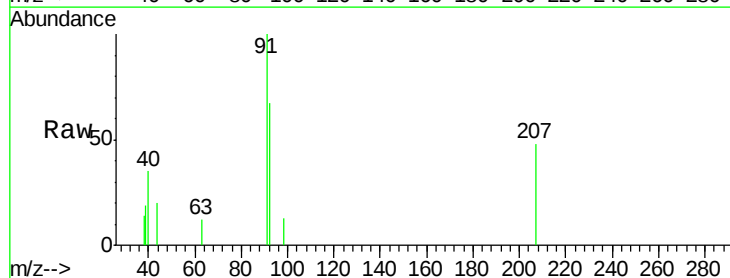
Acq: 29 Jan 2018 21:14

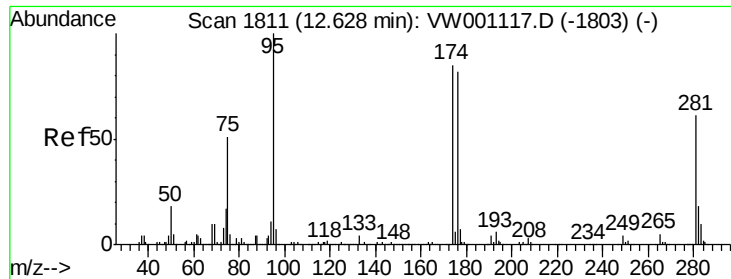
Tgt Ion: 92 Resp: 437

Ion Ratio Lower Upper

92 100

91 203.7 140.6 211.0

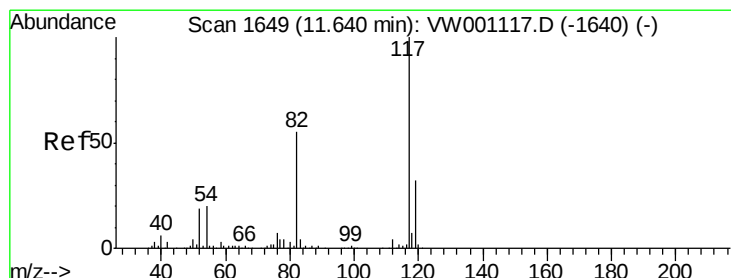
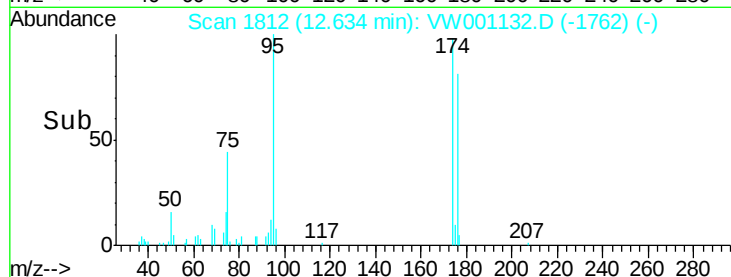
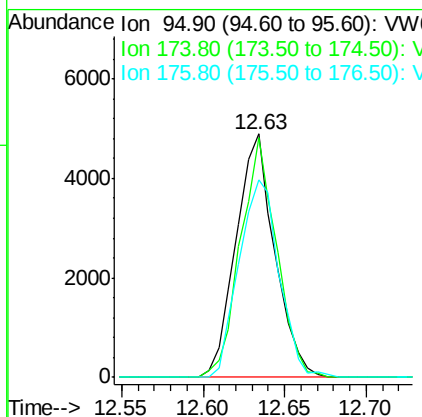
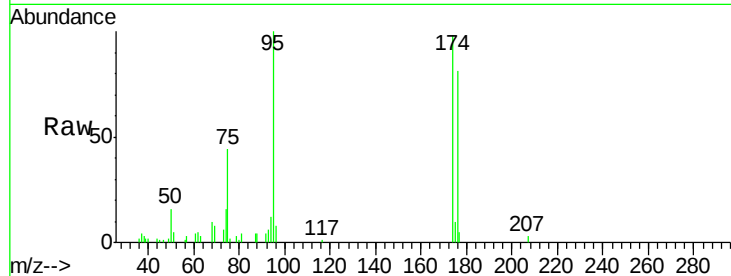




#62
 4-Bromofluorobenzene
 Concen: 45.77 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW001132.D
 Acq: 29 Jan 2018 21:14

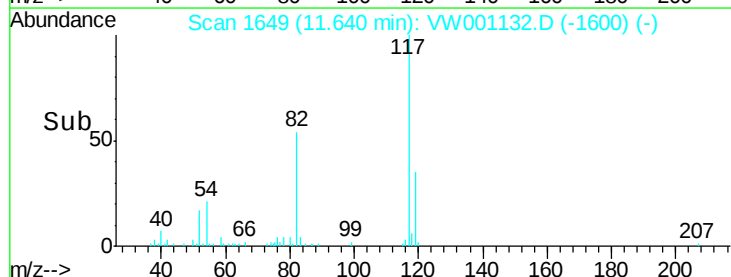
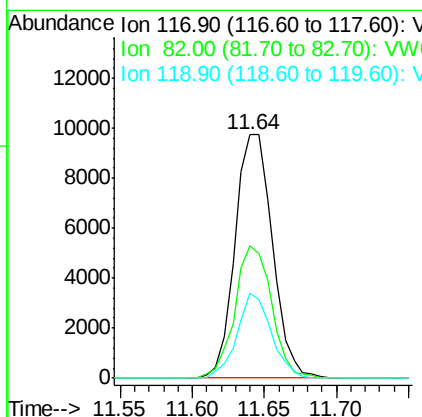
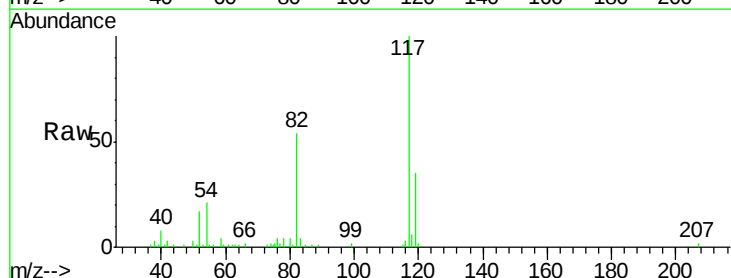
Instrument :
 MSVOA_W
 ClientSampleId :
 AU-06-012518-A

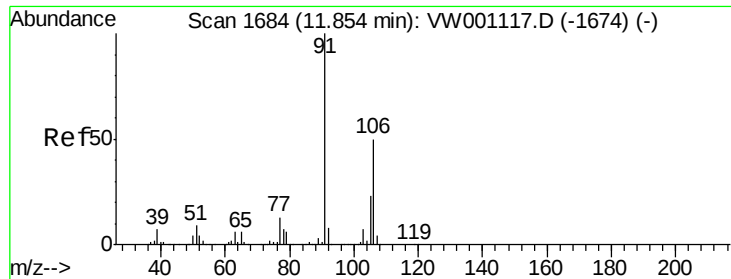
Tot Ion: 95 Resp: 8107
 Ion Ratio Lower Upper
 95 100
 174 91.9 0.0 179.6
 176 84.4 0.0 174.4



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.64 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VW001132.D
 Acq: 29 Jan 2018 21:14

Tgt Ion: 117 Resp: 17641
 Ion Ratio Lower Upper
 117 100
 82 54.1 43.8 65.8
 119 34.7 25.8 38.8





#68

m/p-Xylenes

Concen: 2.15 ug/l

RT: 11.85 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW001132.D

Acq: 29 Jan 2018 21:14

Instrument :

MSVOA_W

ClientSampleId :

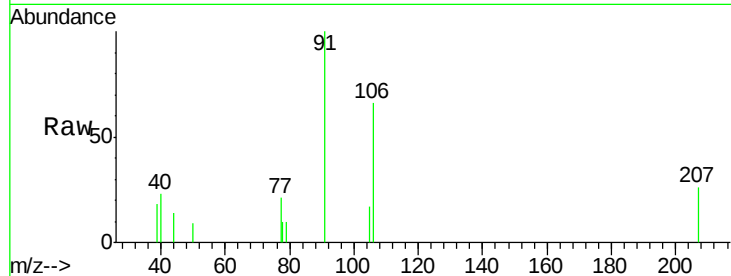
AU-06-012518-A

Tot Ion:106 Resp: 498

Ion Ratio Lower Upper

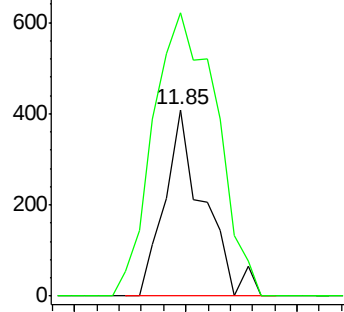
106 100

91 247.8 163.1 244.7#

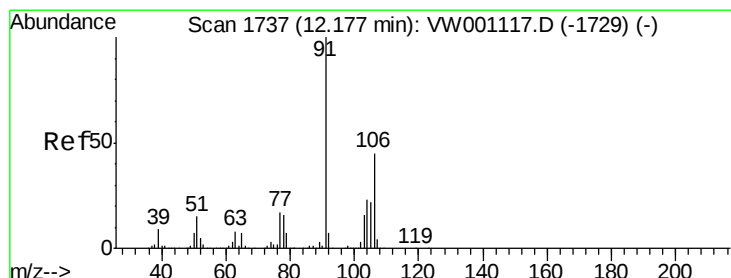
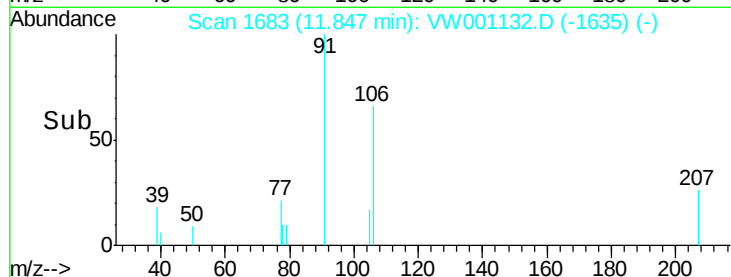


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->



#69

o-Xylene

Concen: 3.21 ug/l

RT: 12.18 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VW001132.D

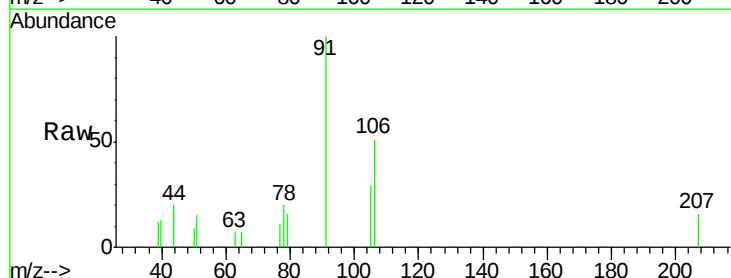
Acq: 29 Jan 2018 21:14

Tgt Ion:106 Resp: 686

Ion Ratio Lower Upper

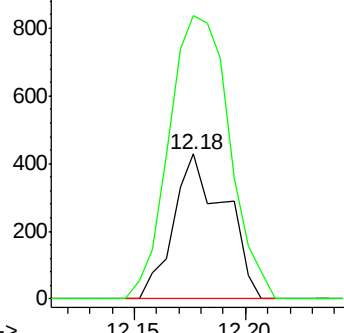
106 100

91 230.9 107.6 322.8

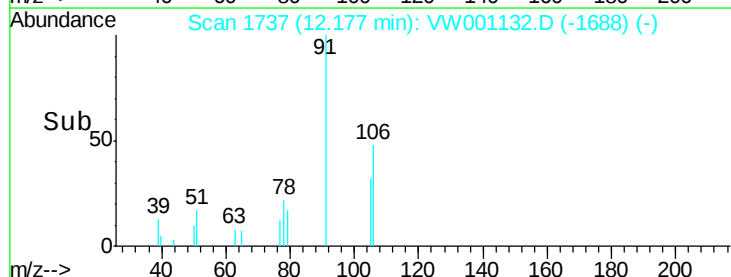


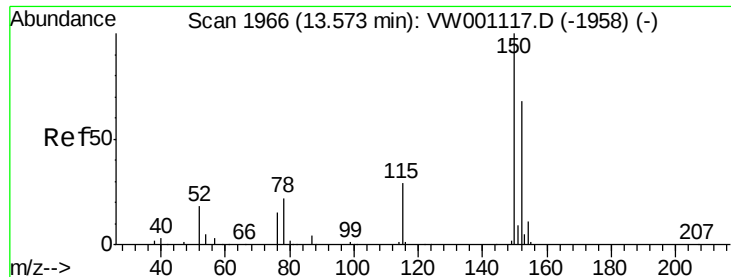
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->



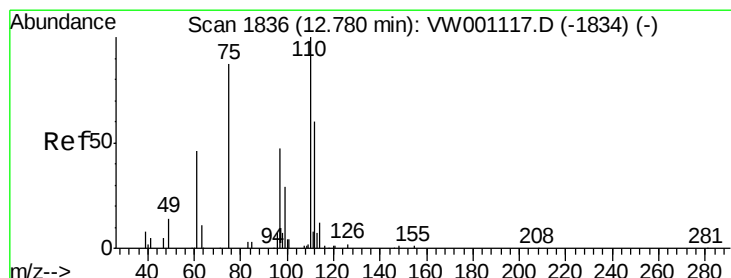
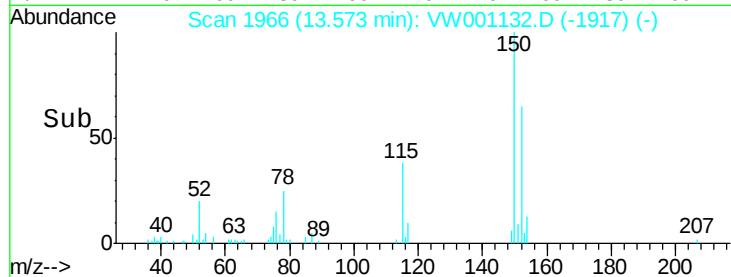
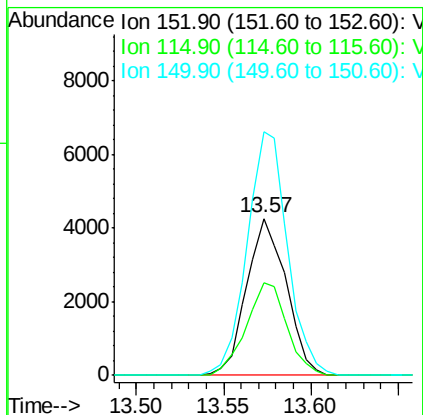
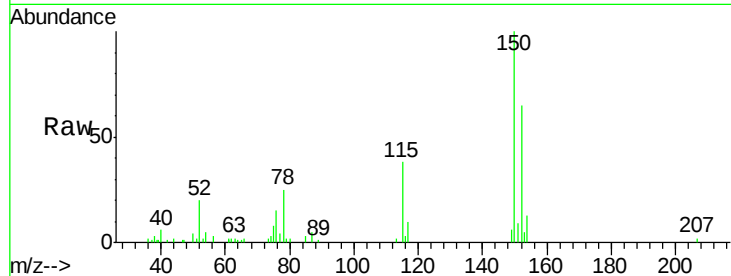


#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW001132.D
Acq: 29 Jan 2018 21:14

Instrument :
MSVOA_W
ClientSampleId :
AU-06-012518-A

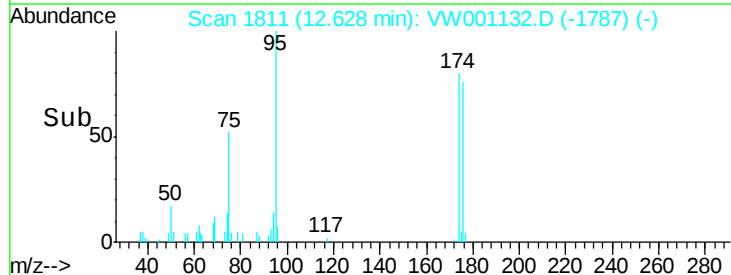
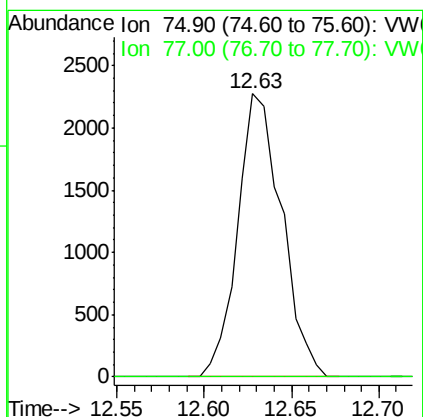
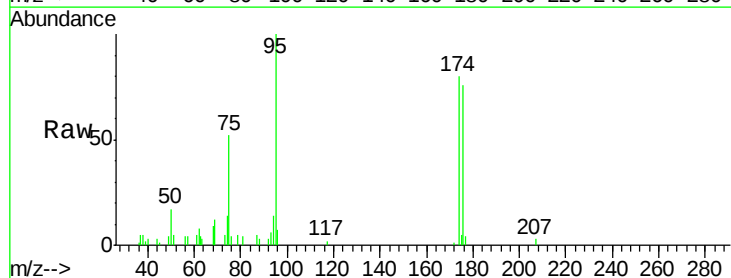
Tot Ion:152 Resp: 6687
Ion Ratio Lower Upper
152 100
115 60.7 28.4 85.3
150 158.4 0.0 342.4

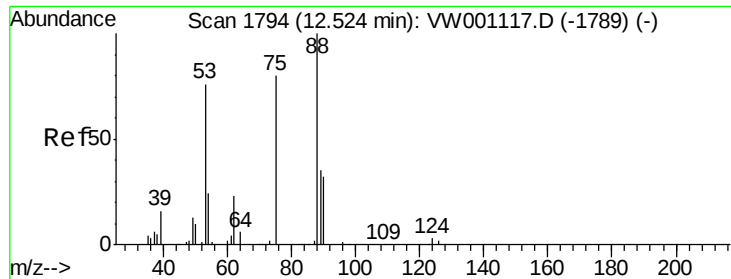


#76

1,2,3-Trichloropropane
Concen: 58.65 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.15 min
Lab File: VW001132.D
Acq: 29 Jan 2018 21:14

Tgt Ion: 75 Resp: 3975
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

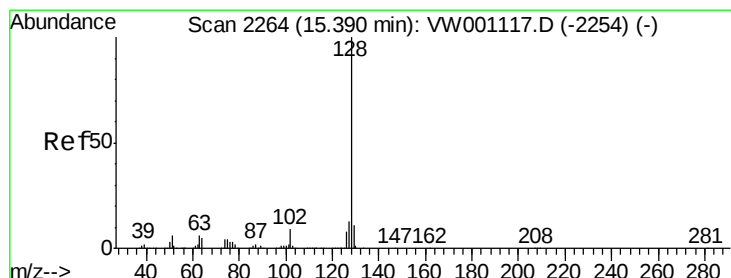
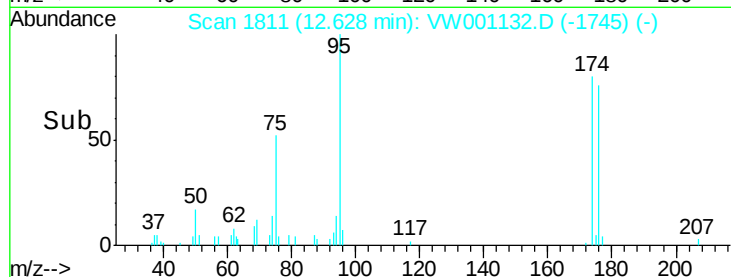
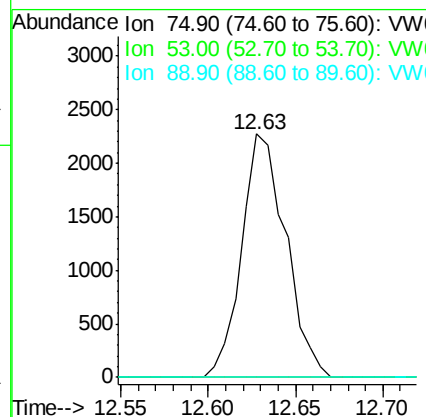
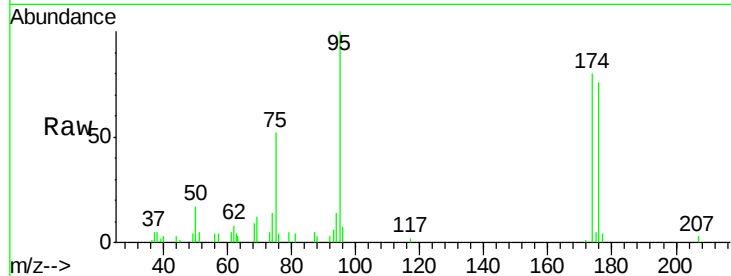




#81
trans-1,4-Dichloro-2-butene
Concen: 154.22 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.10 min
Lab File: VW001132.D
Acq: 29 Jan 2018 21:14

Instrument :
MSVOA_W
ClientSampleId :
AU-06-012518-A

Tot Ion: 75 Resp: 3975
Ion Ratio Lower Upper
75 100
53 0.0 75.0 112.6#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 1.06 ug/l
RT: 15.40 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VW001132.D
Acq: 29 Jan 2018 21:14

Tgt Ion: 128 Resp: 303
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

