

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012918\
 Data File : VW001129.D
 Acq On : 29 Jan 2018 20:00
 Operator : JC/SY
 Sample : J1009-03
 Misc : 5.56G/5.0ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AU-05-012518-B

Quant Time: Jan 30 02:10:56 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	24534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	34691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	32175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	14534	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	14481	60.71	ug/l	0.00
Spiked Amount			Recovery	=	121.42%	
35) Dibromofluoromethane	7.88	113	4110	18.52	ug/l	0.00
Spiked Amount			Recovery	=	37.04%	
50) Toluene-d8	10.33	98	44583	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
62) 4-Bromofluorobenzene	12.63	95	13815	43.90	ug/l	0.00
Spiked Amount			Recovery	=	87.80%	

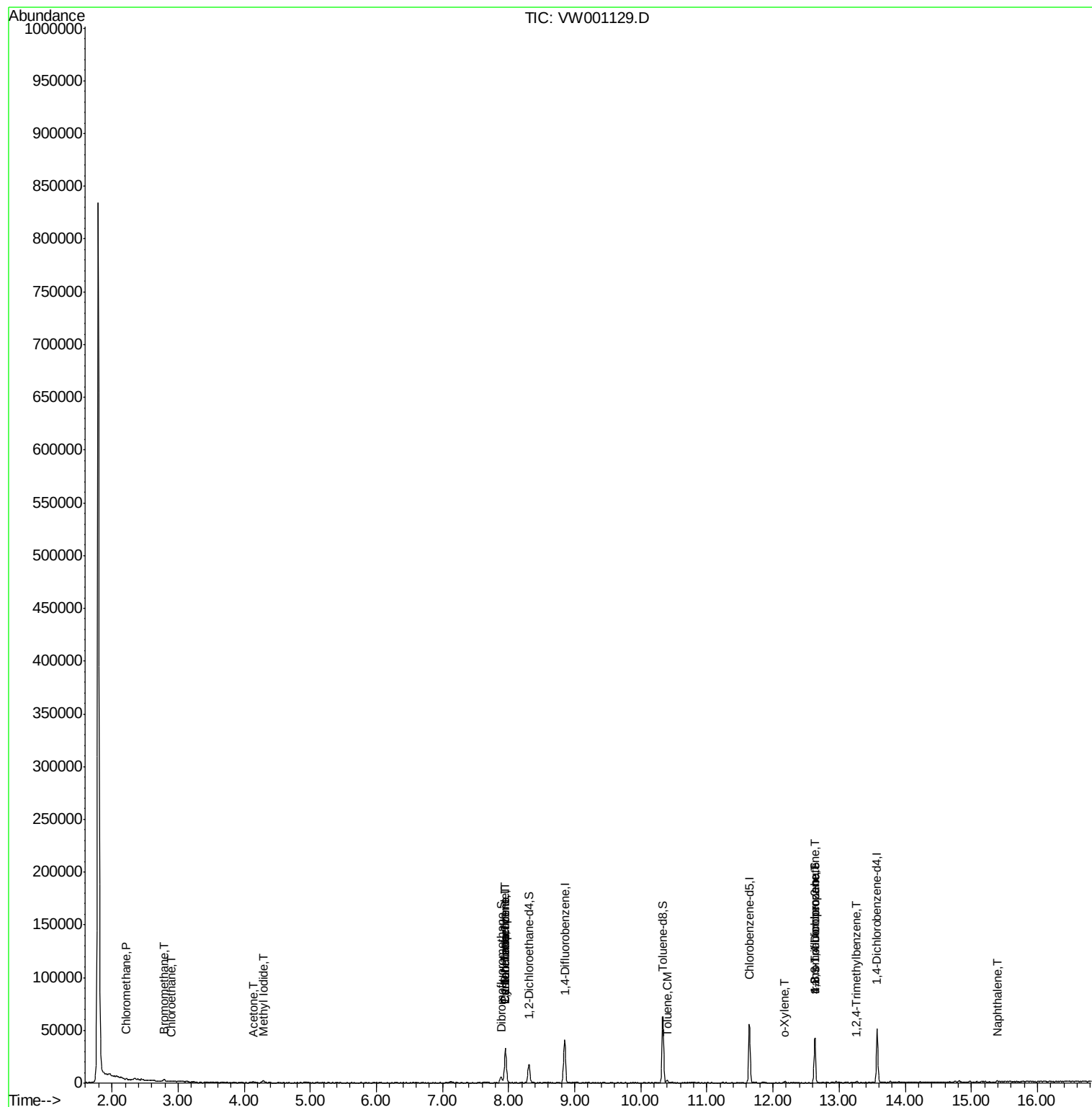
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.22	50	1131	6.23	ug/l	93
5) Bromomethane	2.79	94	1304	7.21	ug/l	98
6) Chloroethane	2.90	64	190	1.85	ug/l #	42
10) Methyl Iodide	4.29	142	3329	14.11	ug/l	98
16) Acetone	4.14	43	1931	30.79	ug/l	92
31) Cyclohexane	7.95	56	478	1.35	ug/l #	46
36) 1,1-Dichloropropene	7.95	75	1909	6.10	ug/l #	43
38) Carbon Tetrachloride	7.95	117	2409	6.89	ug/l #	17
52) Toluene	10.40	92	981	1.76	ug/l	97
69) o-Xylene	12.18	106	481	1.24	ug/l	52
76) 1,2,3-Trichloropropane	12.63	75	6903	46.86	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	6903	123.22	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.27	105	1079	1.36	ug/l	90
95) Naphthalene	15.39	128	817	1.32	ug/l #	70

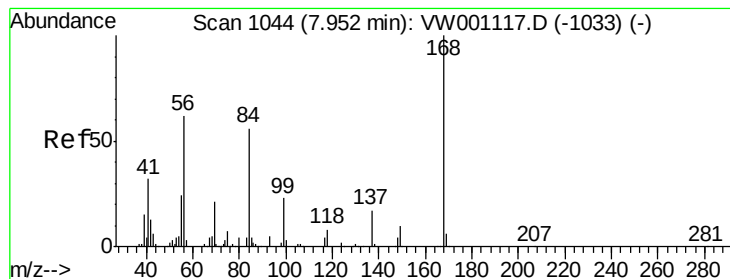
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW001129.D

Acq: 29 Jan 2018 20:00

Instrument :

MSVOA_W

ClientSampleId :

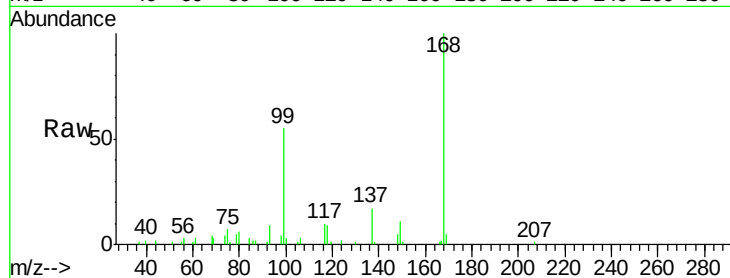
AU-05-012518-B

Tot Ion:168 Resp: 24534

Ion Ratio Lower Upper

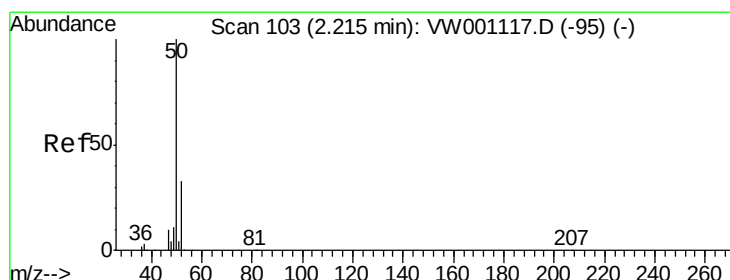
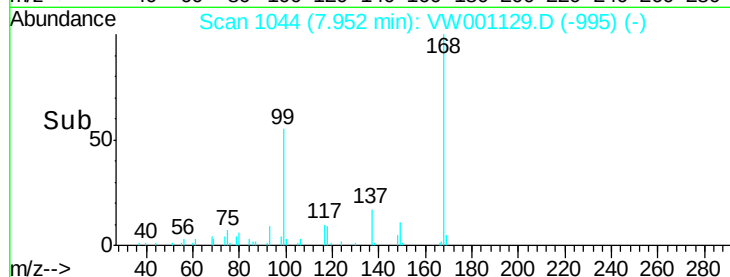
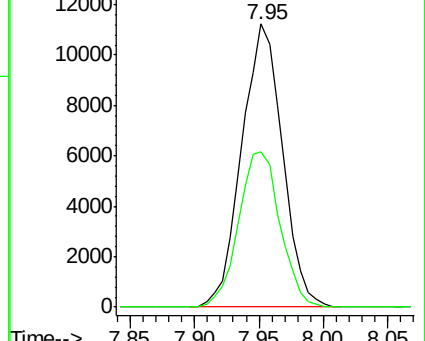
168 100

99 54.8 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: 6.23 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW001129.D

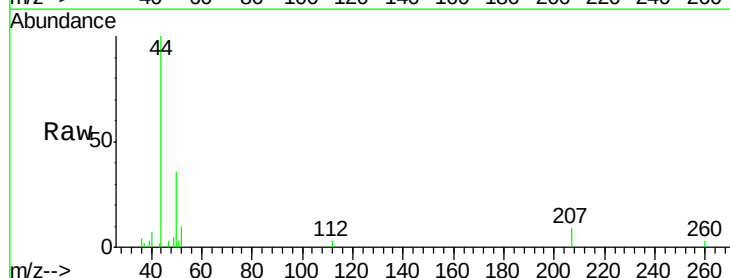
Acq: 29 Jan 2018 20:00

Tgt Ion: 50 Resp: 1131

Ion Ratio Lower Upper

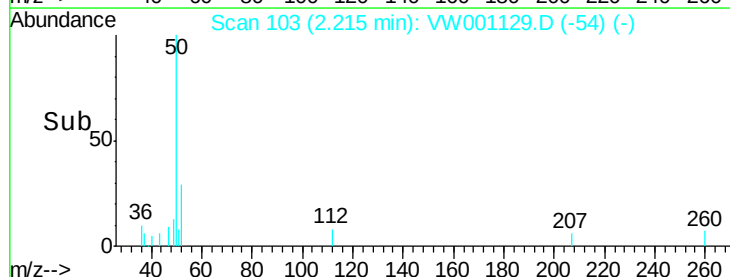
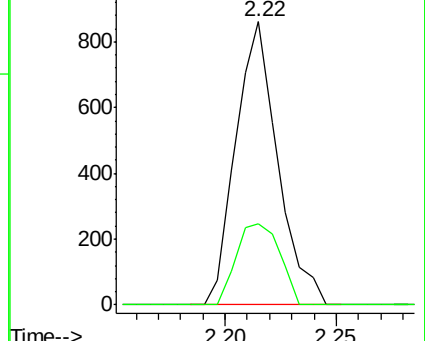
50 100

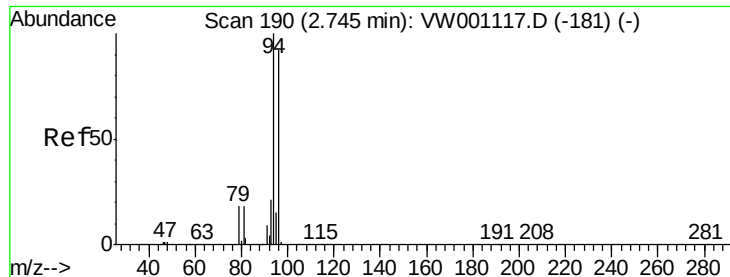
52 28.7 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#5

Bromomethane

Concen: 7.21 ug/l

RT: 2.79 min Scan# 197

Delta R.T. 0.04 min

Lab File: VW001129.D

Acq: 29 Jan 2018 20:00

Instrument :

MSVOA_W

ClientSampleId :

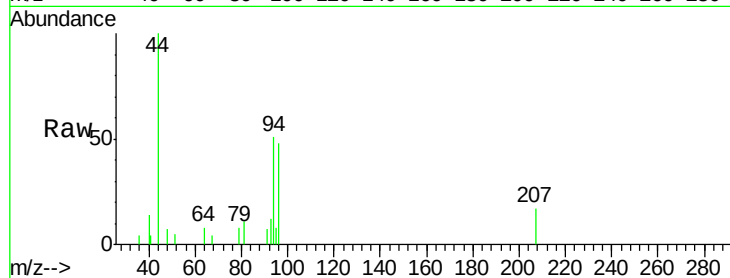
AU-05-012518-B

Tot Ion: 94 Resp: 1304

Ion Ratio Lower Upper

94 100

96 94.3 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.79

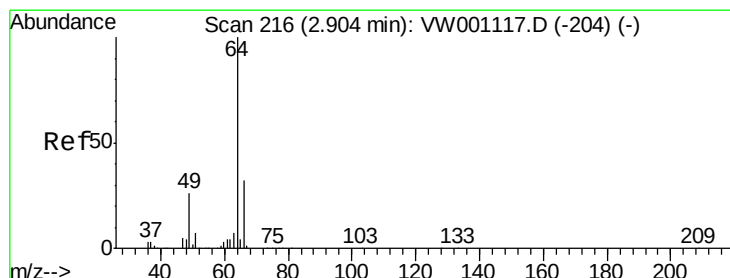
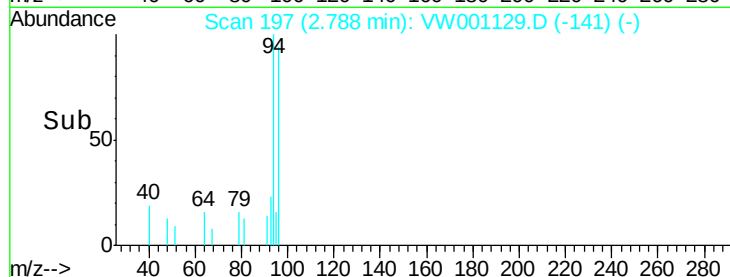
600

400

200

0

Time-->



#6

Chloroethane

Concen: 1.85 ug/l

RT: 2.90 min Scan# 216

Delta R.T. -0.00 min

Lab File: VW001129.D

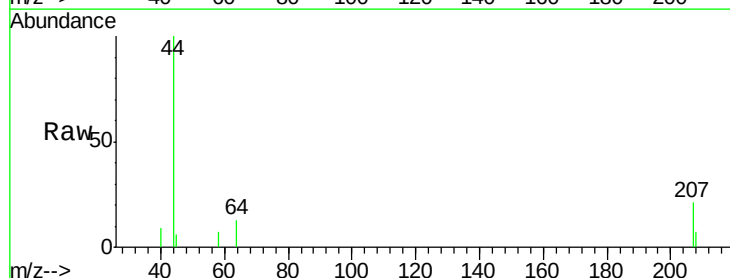
Acq: 29 Jan 2018 20:00

Tgt Ion: 64 Resp: 190

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

200

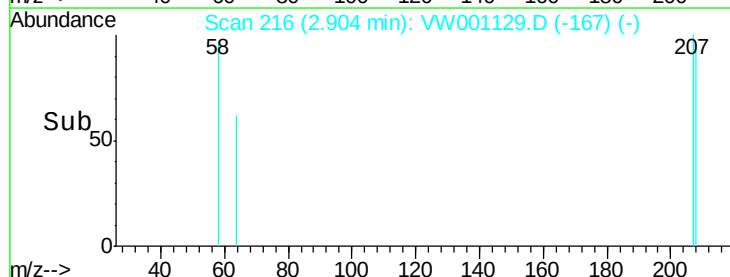
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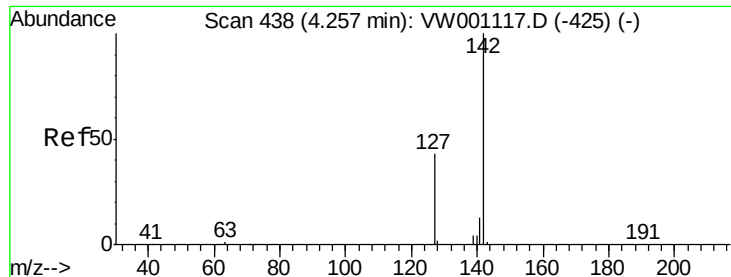
100

50

0

Time-->

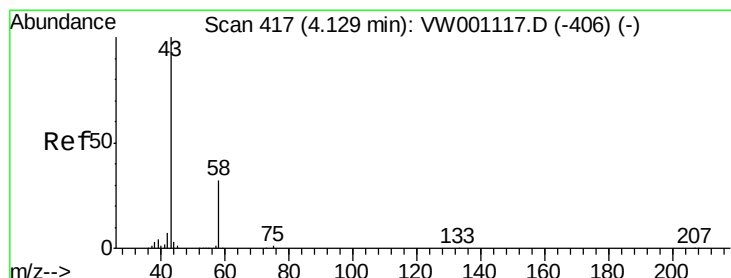
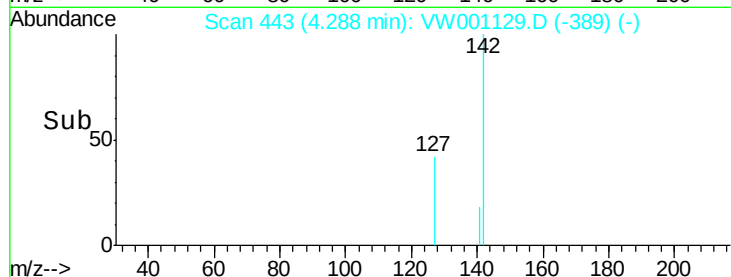
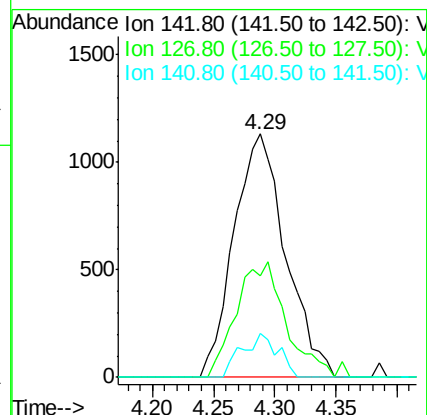
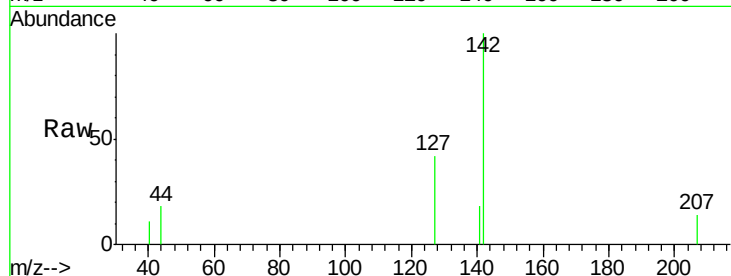




#10
Methvl Iodide
Concen: 14.11 ug/l
RT: 4.29 min Scan# 443
Delta R.T. 0.03 min
Lab File: VW001129.D
Acq: 29 Jan 2018 20:00

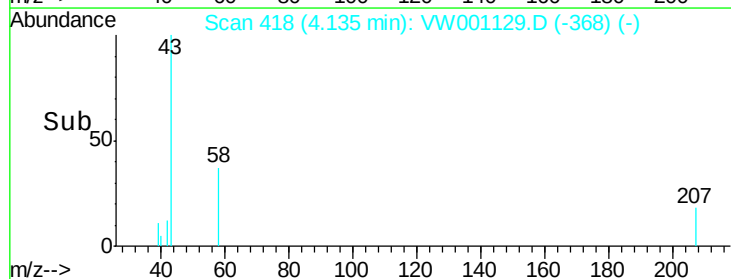
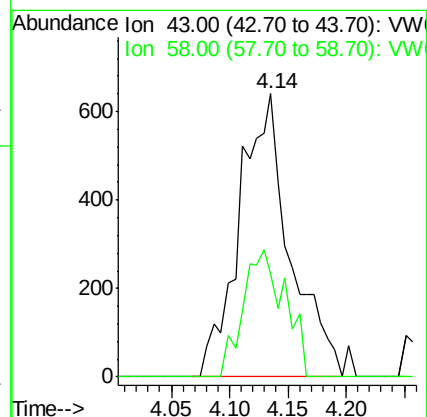
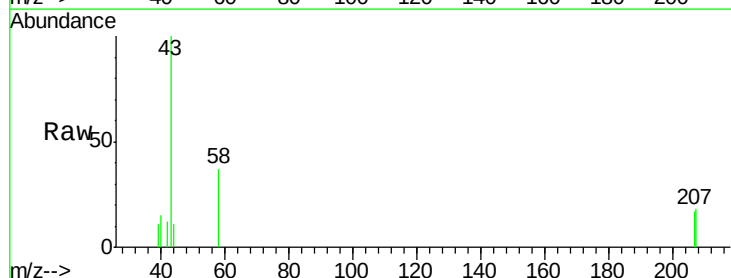
Instrument :
MSVOA_W
ClientSampleId :
AU-05-012518-B

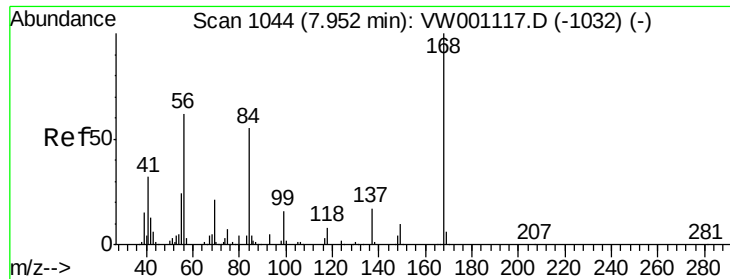
Tot Ion:142 Resp: 3329
Ion Ratio Lower Upper
142 100
127 45.4 35.4 53.2
141 12.5 11.6 17.4



#16
Acetone
Concen: 30.79 ug/l
RT: 4.14 min Scan# 418
Delta R.T. 0.01 min
Lab File: VW001129.D
Acq: 29 Jan 2018 20:00

Tgt Ion: 43 Resp: 1931
Ion Ratio Lower Upper
43 100
58 36.6 25.7 38.5

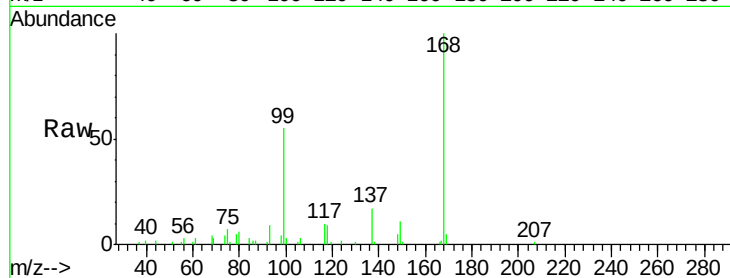




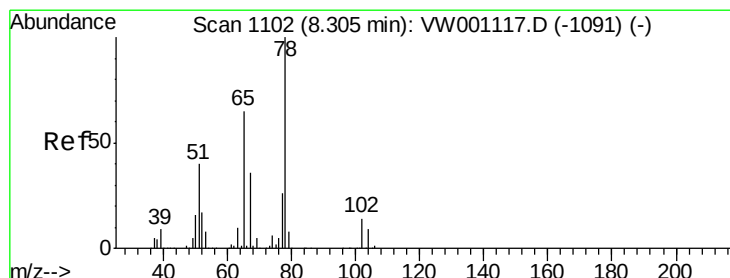
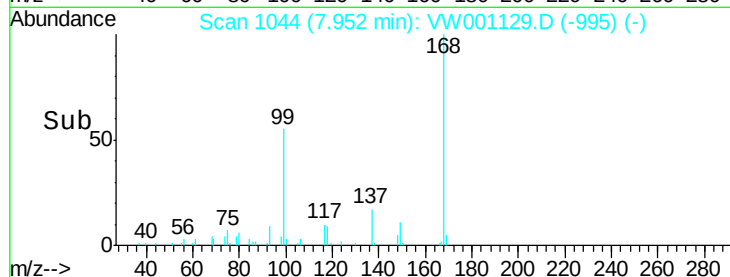
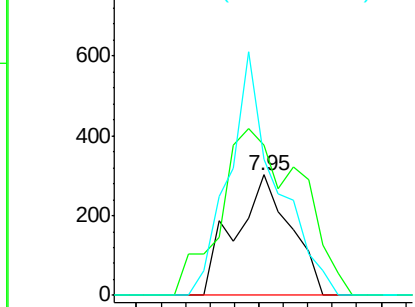
#31
Cyclohexane
Concen: 1.35 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW001129.D
Acq: 29 Jan 2018 20:00

Instrument :
MSVOA_W
ClientSampleId :
AU-05-012518-B

Tot Ion: 56 Resp: 478
Ion Ratio Lower Upper
56 100
69 106.6 27.4 41.0#
84 113.2 71.1 106.7#

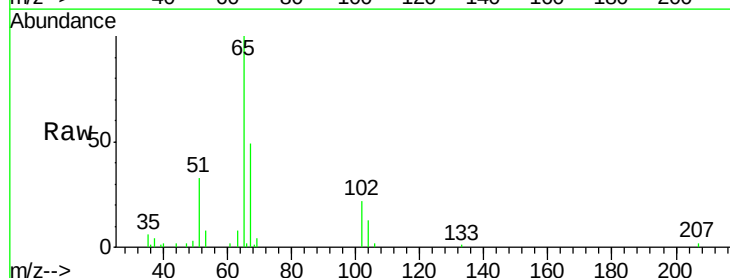


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

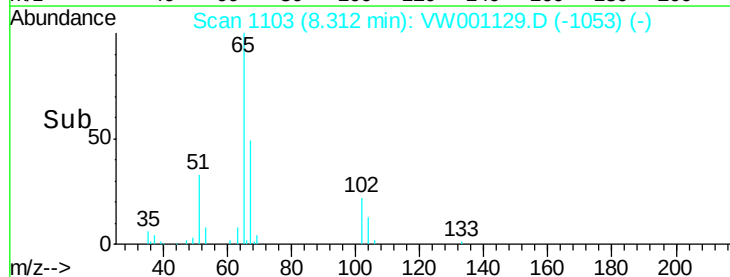
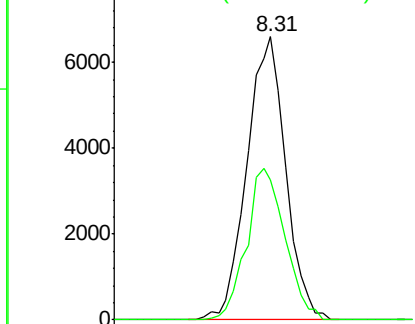


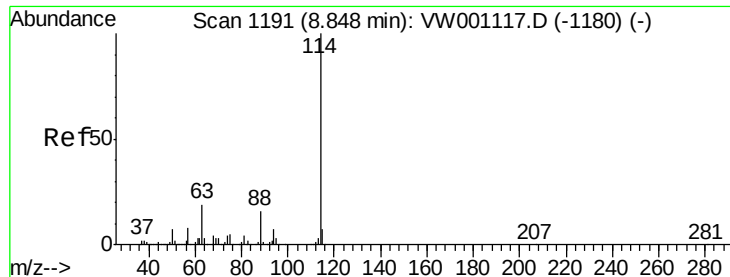
#33
1,2-Dichloroethane-d4
Concen: 60.71 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW001129.D
Acq: 29 Jan 2018 20:00

Tgt Ion: 65 Resp: 14481
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.2



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

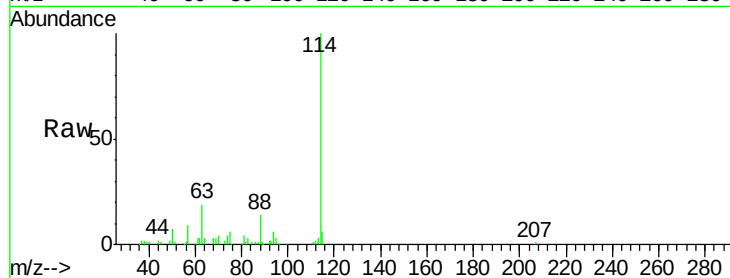




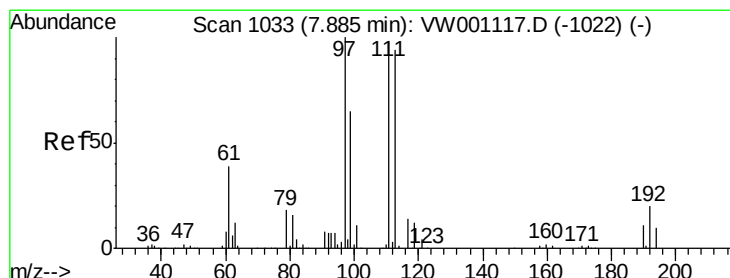
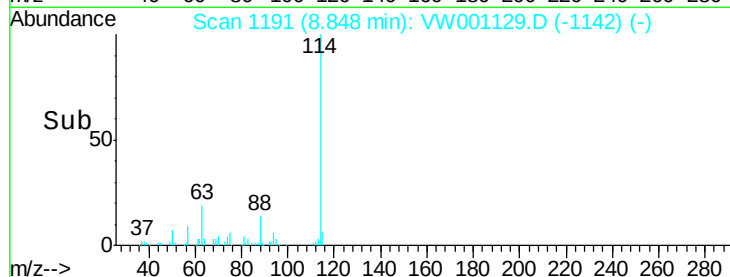
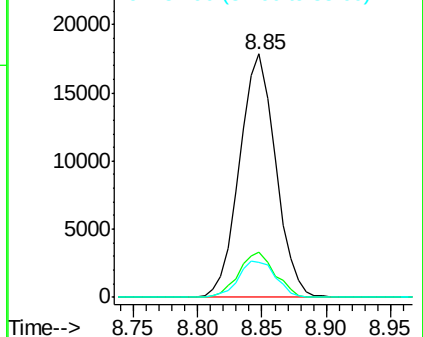
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW001129.D
 Acq: 29 Jan 2018 20:00

Instrument :
 MSVOA_W
 ClientSampleId :
 AU-05-012518-B

Tot Ion:114 Resp: 34691
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.2
 88 14.1 0.0 31.0

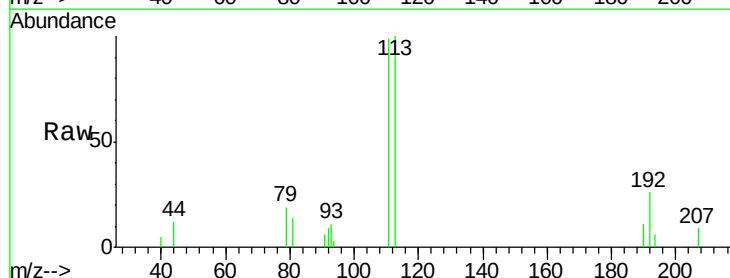


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

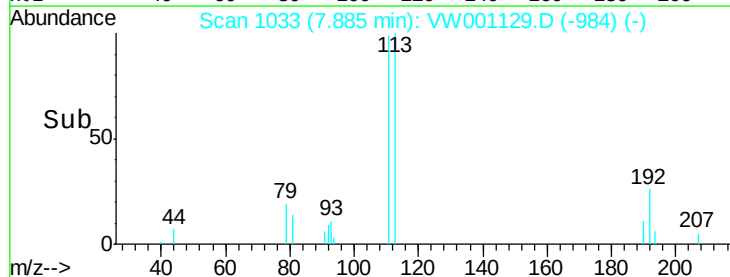
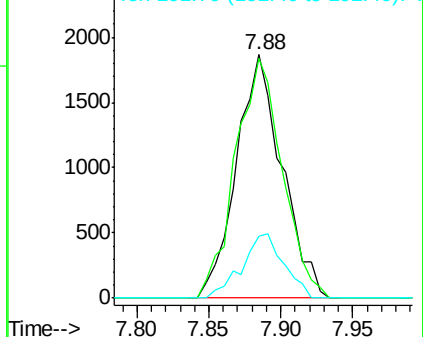


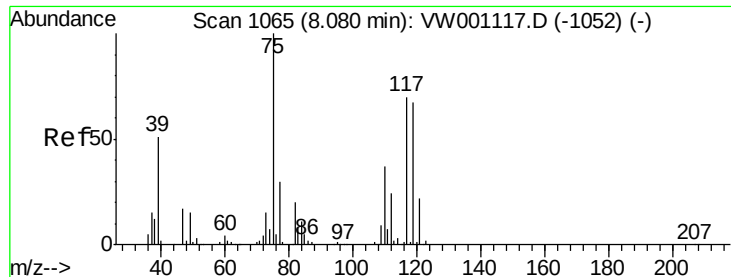
#35
 Dibromofluoromethane
 Concen: 18.52 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW001129.D
 Acq: 29 Jan 2018 20:00

Tgt Ion:113 Resp: 4110
 Ion Ratio Lower Upper
 113 100
 111 101.1 83.1 124.7
 192 24.2 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: VW001129.D

Acq: 29 Jan 2018 20:00

Instrument :

MSVOA_W

ClientSampleId :

AU-05-012518-B

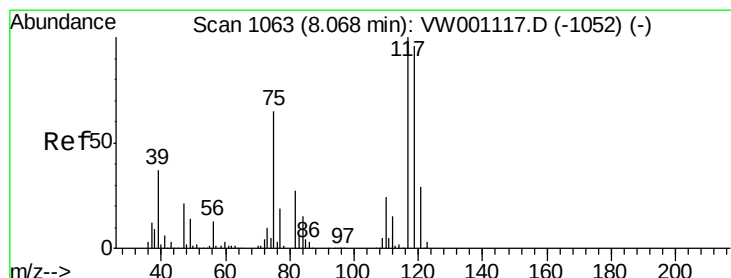
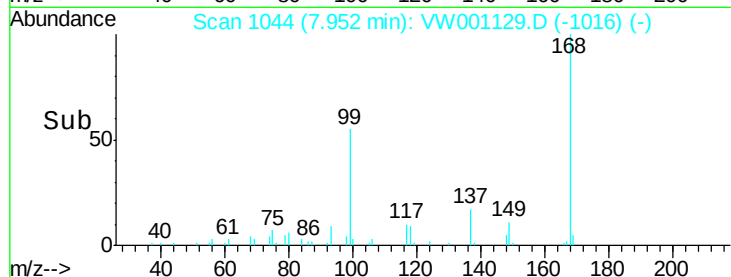
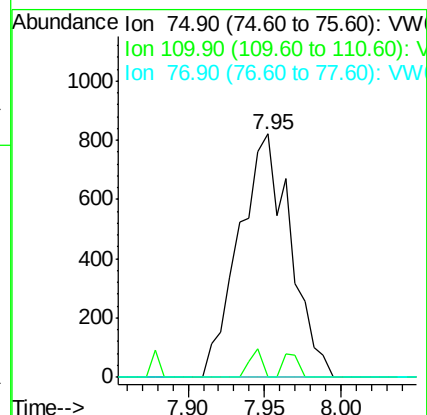
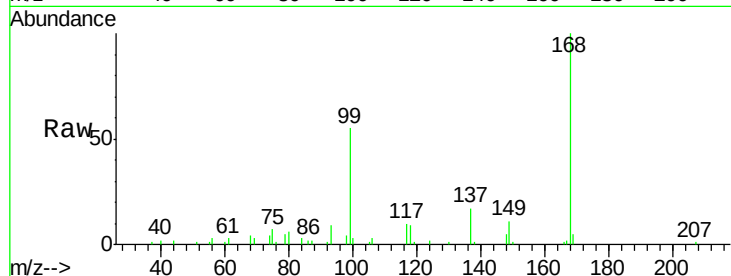
Tot Ion: 75 Resp: 1909

Ion Ratio Lower Upper

75 100

110 2.9 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.89 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW001129.D

Acq: 29 Jan 2018 20:00

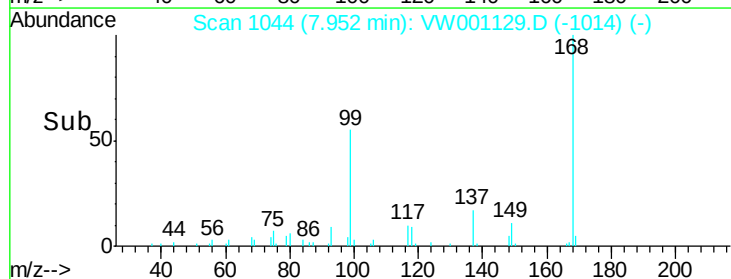
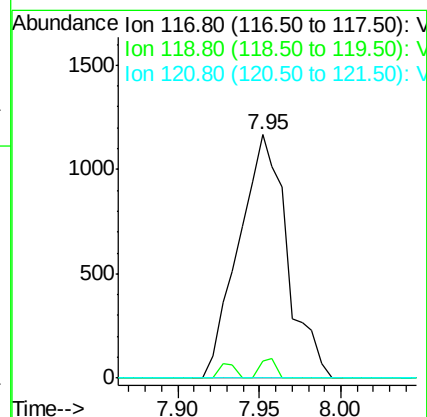
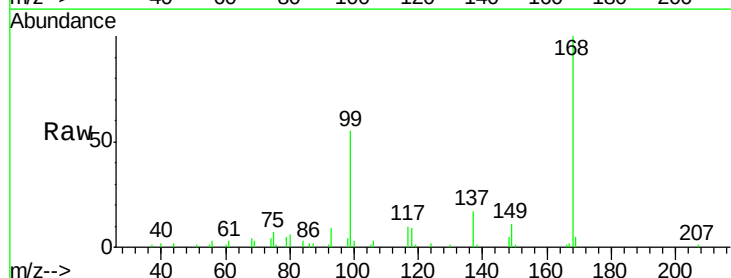
Tgt Ion: 117 Resp: 2409

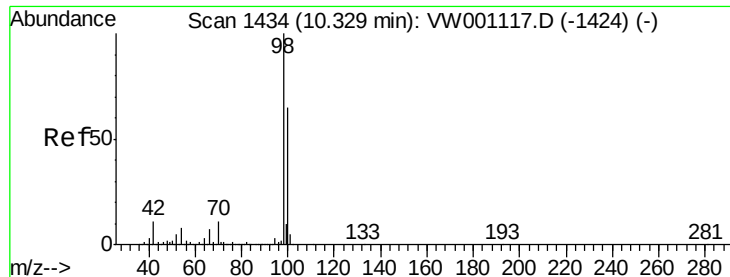
Ion Ratio Lower Upper

117 100

119 7.0 77.0 115.4#

121 0.0 23.5 35.3#

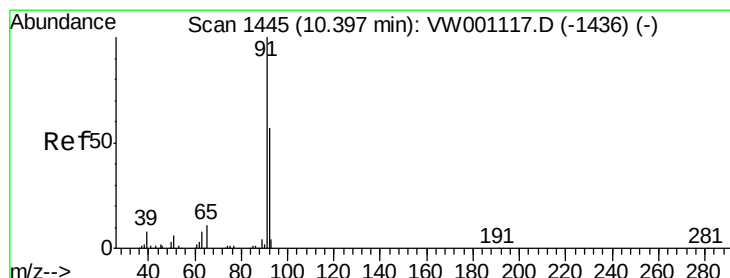
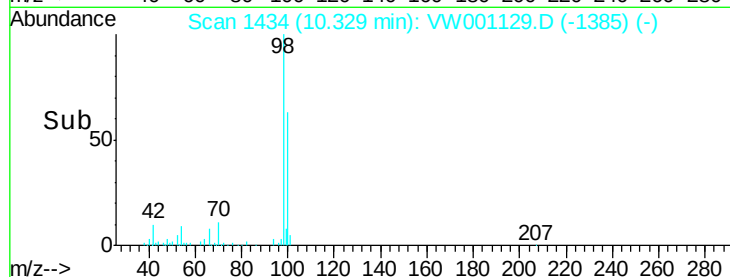
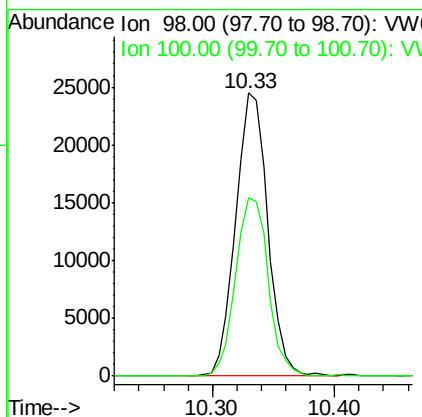
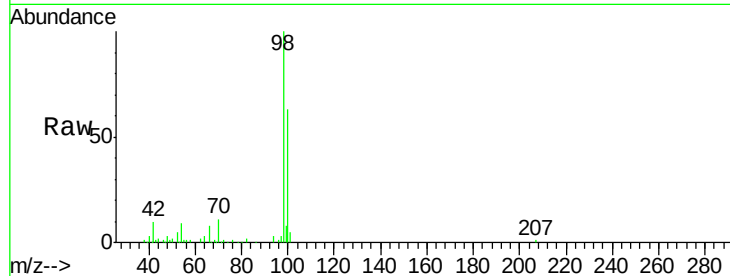




#50
Toluene-d8
Concen: 52.20 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW001129.D
Acq: 29 Jan 2018 20:00

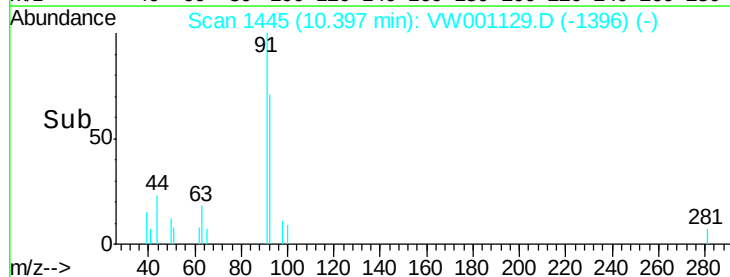
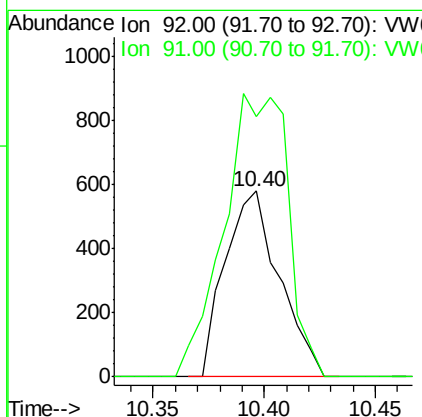
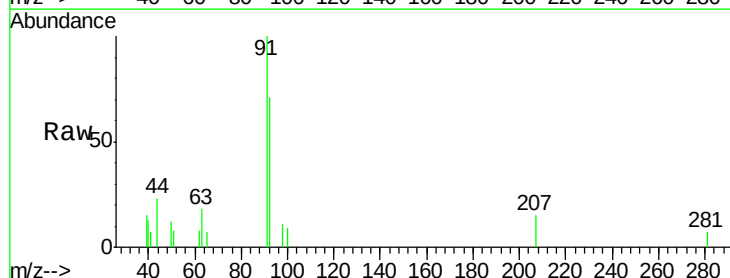
Instrument :
MSVOA_W
ClientSampled :
AU-05-012518-B

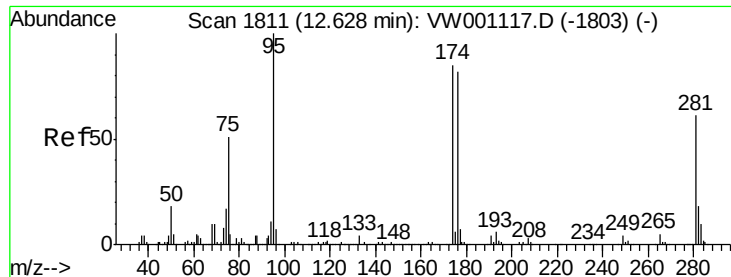
Tot Ion: 98 Resp: 44583
Ion Ratio Lower Upper
98 100
100 64.0 51.3 76.9



#52
Toluene
Concen: 1.76 ug/l
RT: 10.40 min Scan# 1445
Delta R.T. -0.00 min
Lab File: VW001129.D
Acq: 29 Jan 2018 20:00

Tgt Ion: 92 Resp: 981
Ion Ratio Lower Upper
92 100
91 180.2 140.6 211.0

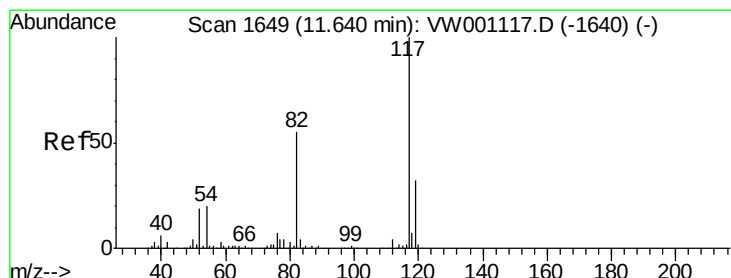
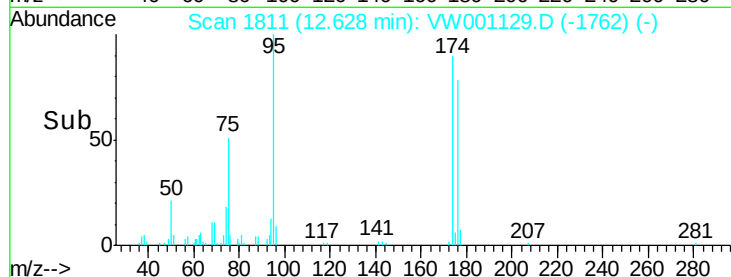
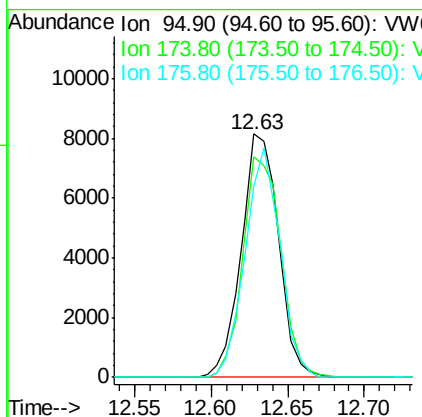
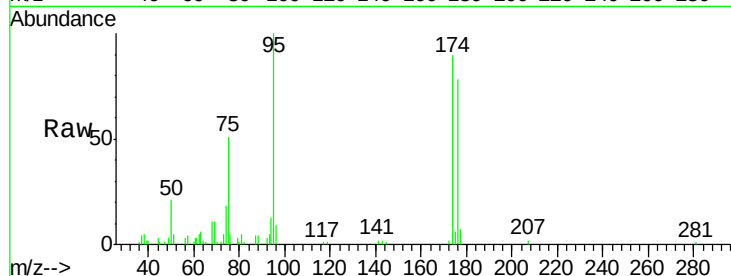




#62
4-Bromofluorobenzene
Concen: 43.90 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW001129.D
Acq: 29 Jan 2018 20:00

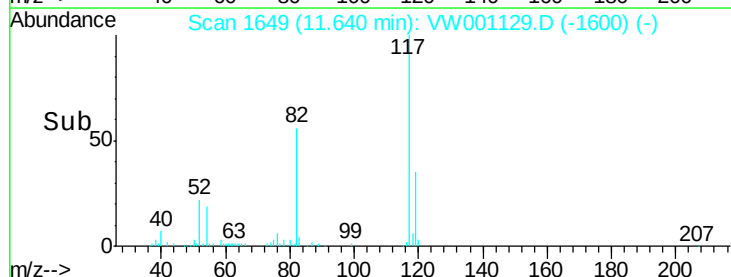
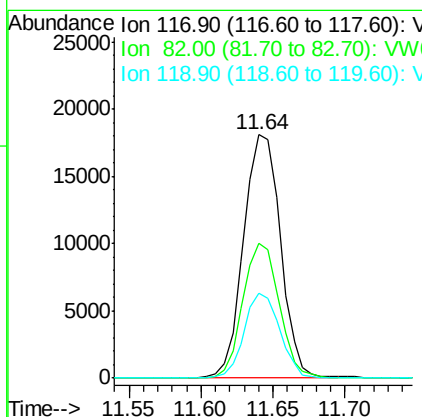
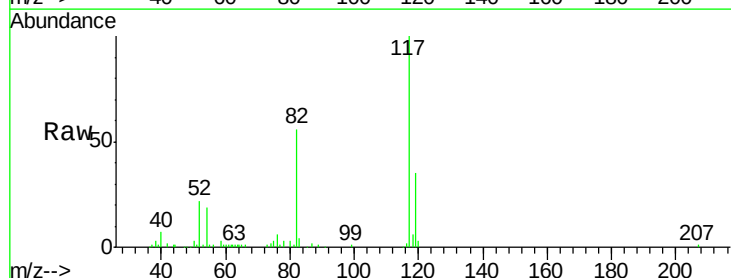
Instrument :
MSVOA_W
ClientSampleId :
AU-05-012518-B

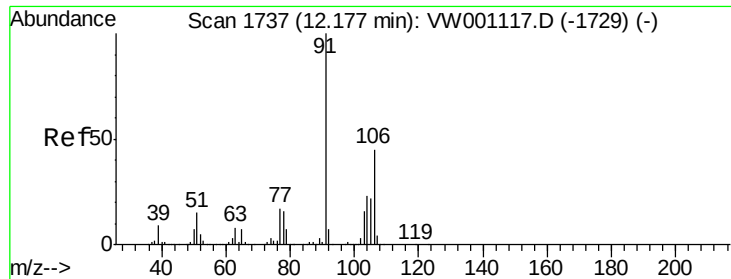
Tot Ion: 95 Resp: 13815
Ion Ratio Lower Upper
95 100
174 92.7 0.0 179.6
176 88.2 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW001129.D
Acq: 29 Jan 2018 20:00

Tgt Ion: 117 Resp: 32175
Ion Ratio Lower Upper
117 100
82 55.5 43.8 65.8
119 34.7 25.8 38.8

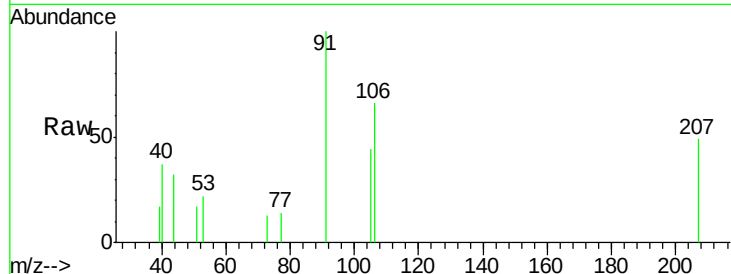




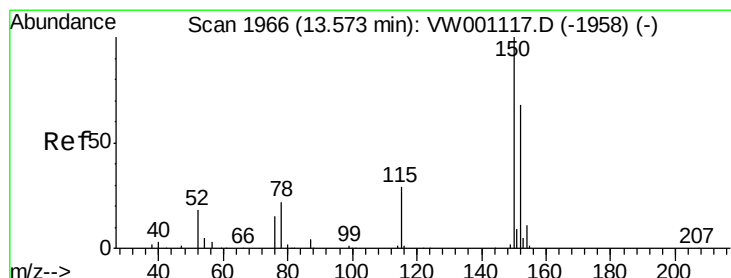
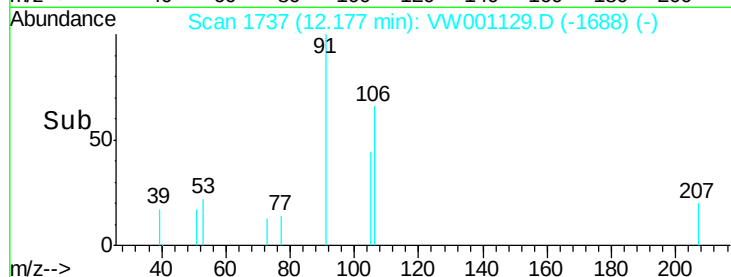
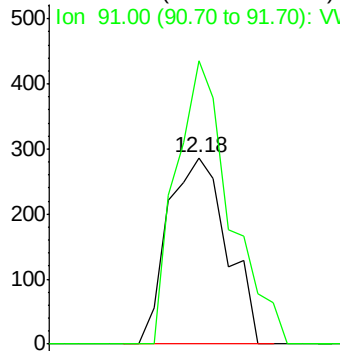
#69
o-Xylene
Concen: 1.24 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW001129.D
Acq: 29 Jan 2018 20:00

Instrument :
MSVOA_W
ClientSampleId :
AU-05-012518-B

Tot Ion:106 Resp: 481
Ion Ratio Lower Upper
106 100
91 139.5 107.6 322.8

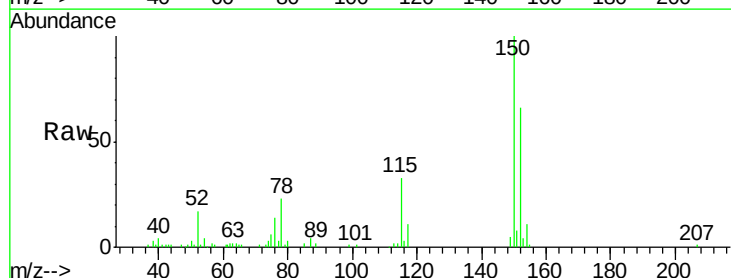


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

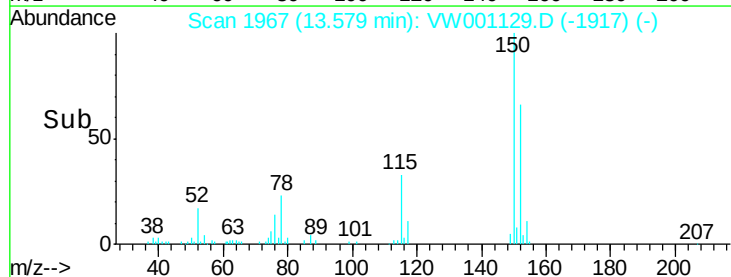
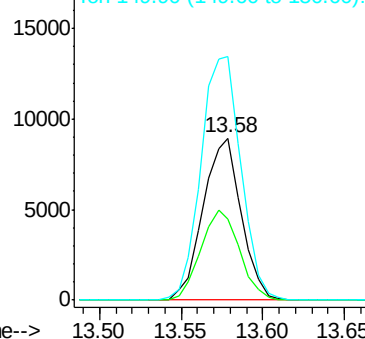


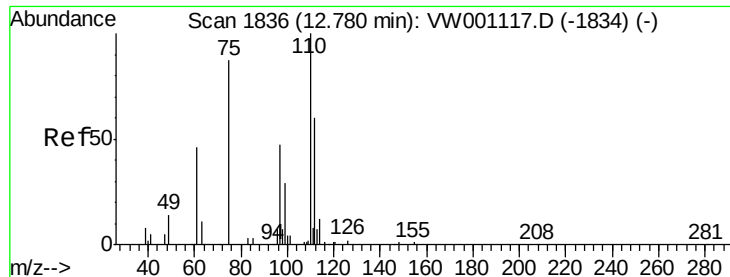
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VW001129.D
Acq: 29 Jan 2018 20:00

Tgt Ion:152 Resp: 14534
Ion Ratio Lower Upper
152 100
115 56.2 28.4 85.3
150 157.9 0.0 342.4



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: 46.86 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.15 min

Lab File: VW001129.D

Acq: 29 Jan 2018 20:00

Instrument :

MSVOA_W

ClientSampleId :

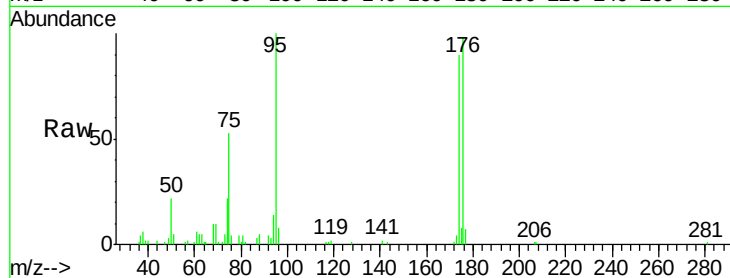
AU-05-012518-B

Tot Ion: 75 Resp: 6903

Ion Ratio Lower Upper

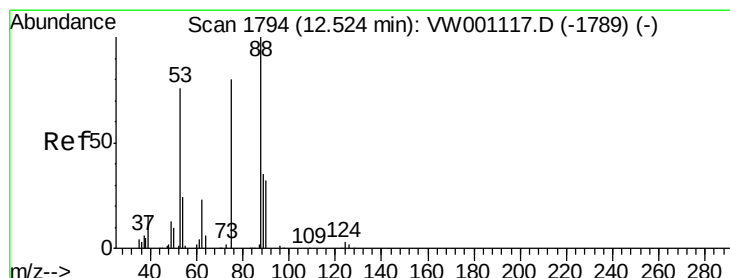
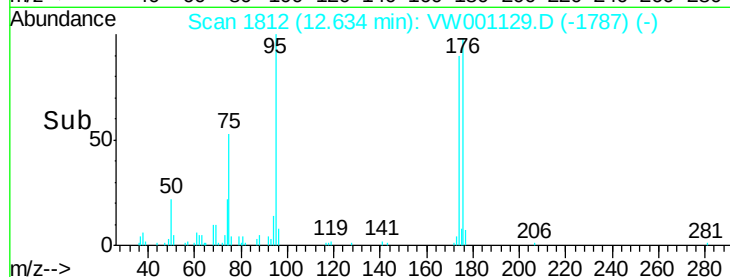
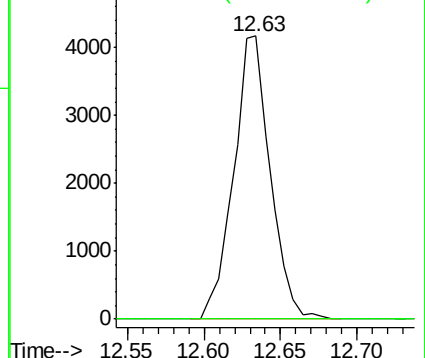
75 100

77 0.0 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: 123.22 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.11 min

Lab File: VW001129.D

Acq: 29 Jan 2018 20:00

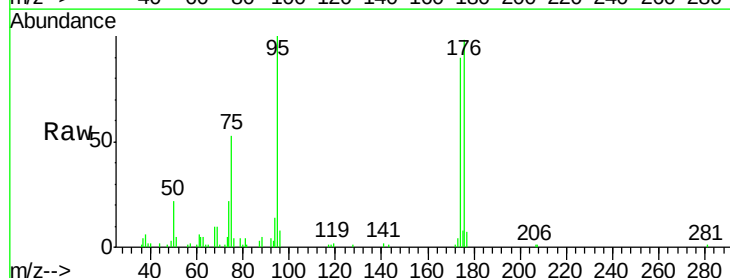
Tgt Ion: 75 Resp: 6903

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

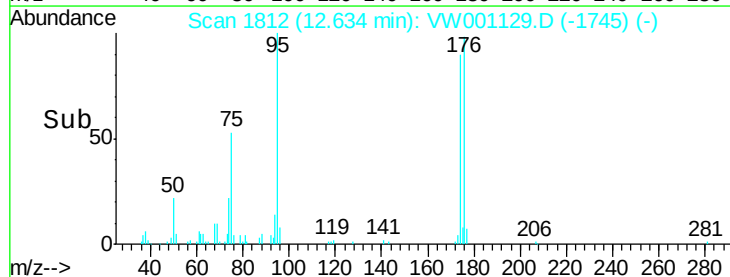
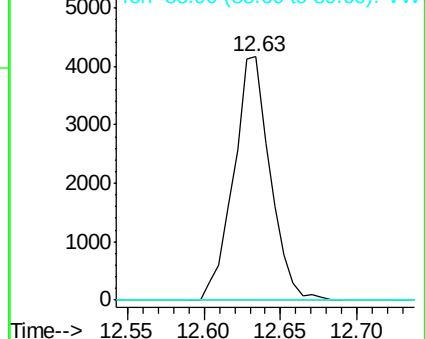
89 0.0 38.2 57.4#

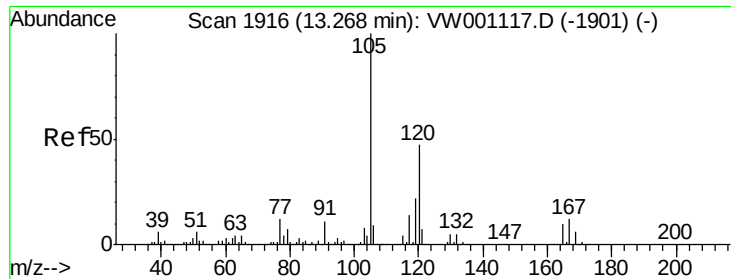


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

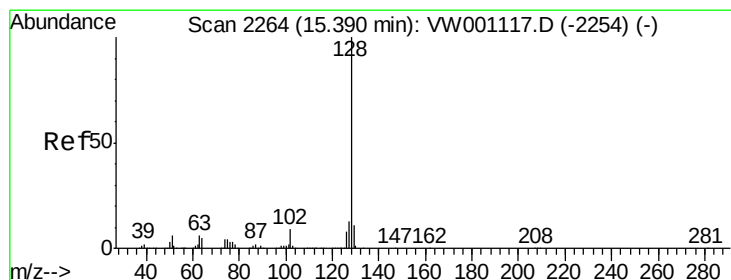
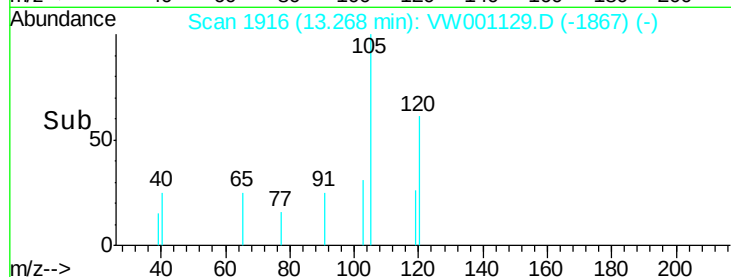
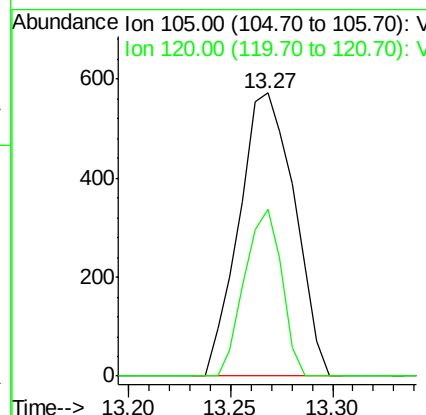
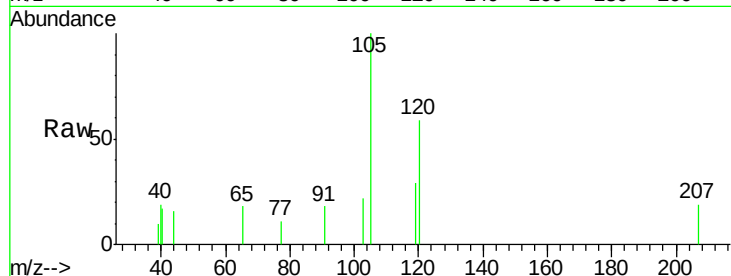




#84
 1,2,4-Trimethylbenzene
 Concen: 1.36 ug/l
 RT: 13.27 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW001129.D
 Acq: 29 Jan 2018 20:00

Instrument :
 MSVOA_W
 ClientSampleId :
 AU-05-012518-B

Tot Ion:105 Resp: 1079
 Ion Ratio Lower Upper
 105 100
 120 39.5 22.9 68.8



#95
 Naphthalene
 Concen: 1.32 ug/l
 RT: 15.39 min Scan# 2264
 Delta R.T. -0.00 min
 Lab File: VW001129.D
 Acq: 29 Jan 2018 20:00

Tgt Ion:128 Resp: 817
 Ion Ratio Lower Upper
 128 100
 127 26.1 10.7 16.1#
 129 0.0 8.7 13.1#

