

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012918\
 Data File : VW001128.D
 Acq On : 29 Jan 2018 19:35
 Operator : JC/SY
 Sample : J1009-01
 Misc : 7.08G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jan 30 02:10:42 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	141966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	207857	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	184413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	88357	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	92382	66.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.86%	
35) Dibromofluoromethane	7.88	113	55652	41.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.72%	
50) Toluene-d8	10.33	98	282562	55.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.44%	
62) 4-Bromofluorobenzene	12.63	95	96398	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	

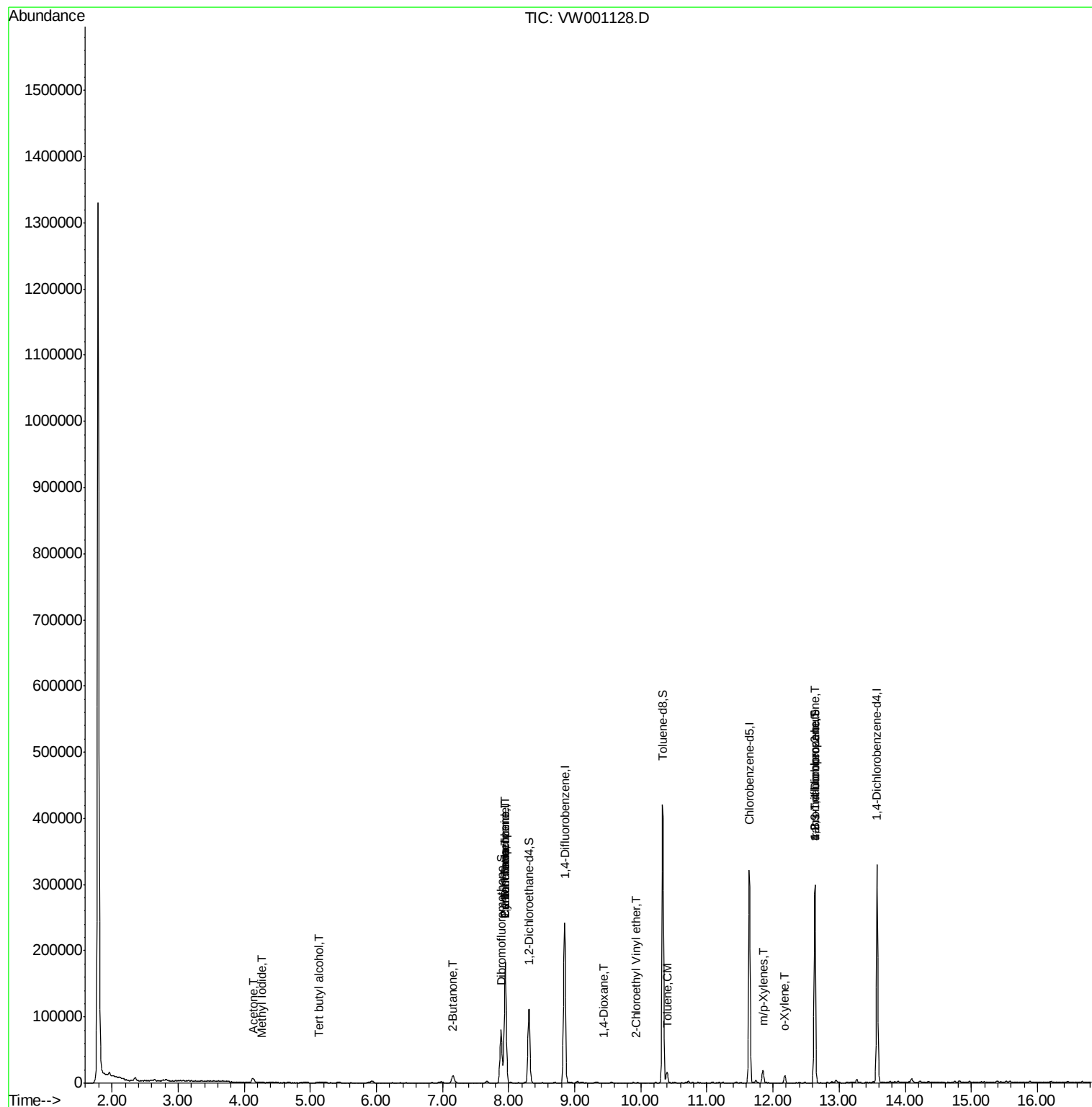
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.72	94	60	Below Cal		88
10) Methyl Iodide	4.27	142	1463	1.07	ug/l	95
11) Tert butyl alcohol	5.12	59	1527	13.77	ug/l #	73
16) Acetone	4.14	43	10815	29.80	ug/l	93
20) Methylene Chloride	4.90	84	566	Below Cal	#	48
25) 2-Butanone	7.16	43	485	1.02	ug/l #	46
31) Cyclohexane	7.95	56	3026	1.48	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	9386	5.00	ug/l #	49
38) Carbon Tetrachloride	7.95	117	13358	6.37	ug/l #	18
49) 1,4-Dioxane	9.45	88	27	1.94	ug/l #	25
52) Toluene	10.39	92	6431	1.93	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	164	23.57	ug/l #	44
68) m/p-Xylenes	11.85	106	5566	2.30	ug/l	99
69) o-Xylene	12.18	106	2923	1.31	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	48285	53.92	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	48285	141.78	ug/l #	12

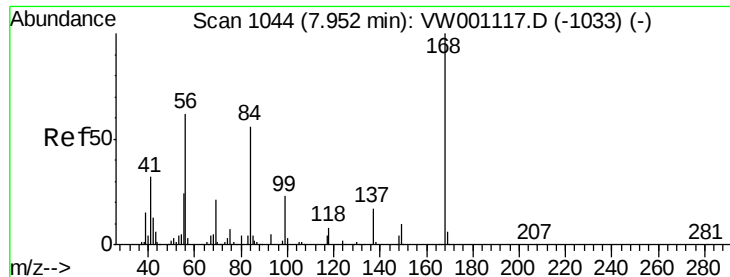
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 30 01:11:27 2018
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: VW001128.D

Acq: 29 Jan 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

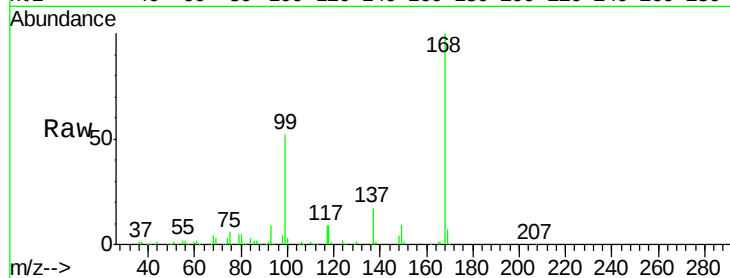
AU-05-012518-A

Tgt Ion: 168 Resp: 141966

Ion Ratio Lower Upper

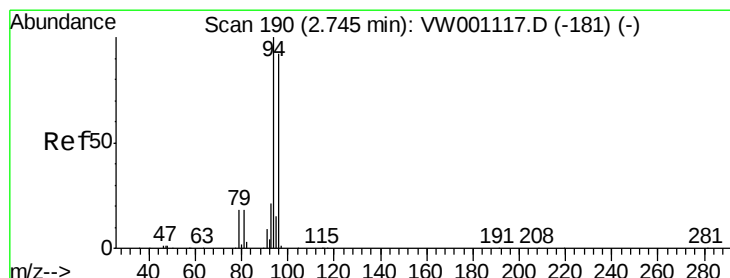
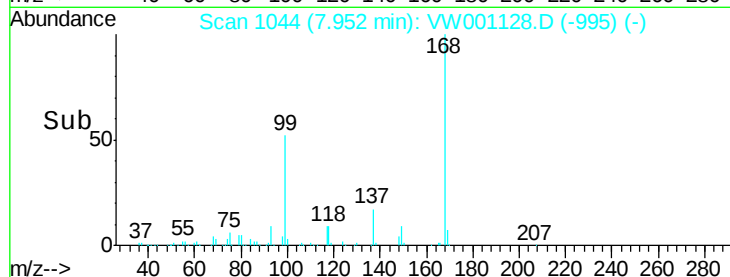
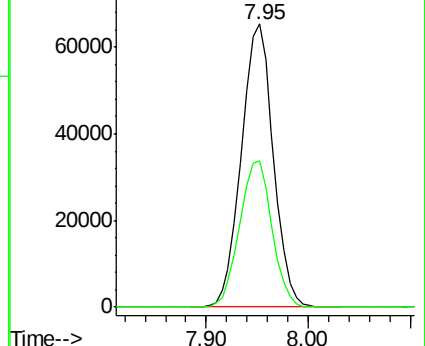
168 100

99 51.9 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#5

Bromomethane

Concen: Below Cal

RT: 2.72 min Scan# 186

Delta R.T. -0.02 min

Lab File: VW001128.D

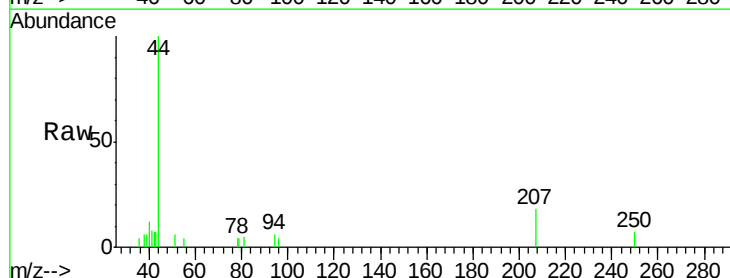
Acq: 29 Jan 2018 19:35

Tgt Ion: 94 Resp: 60

Ion Ratio Lower Upper

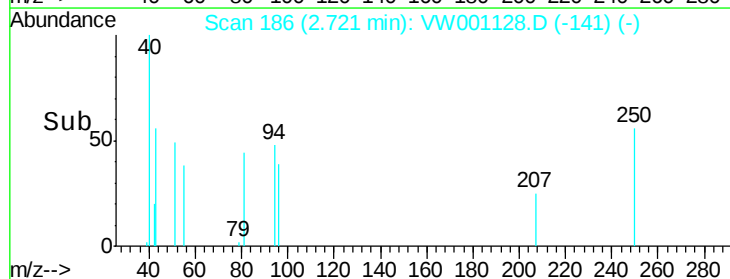
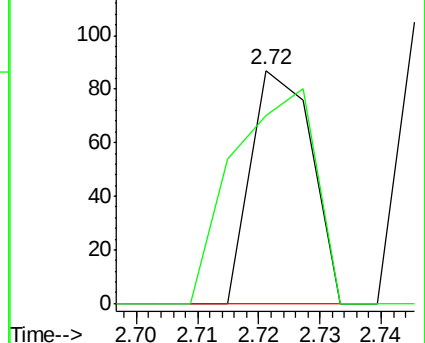
94 100

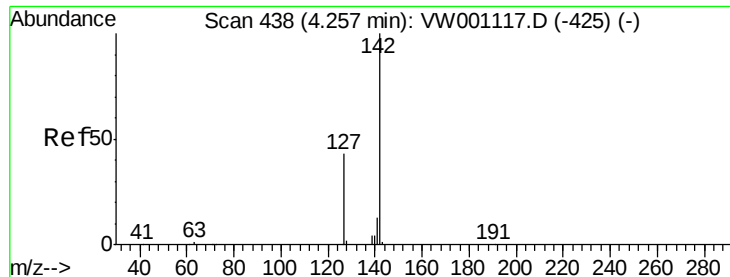
96 80.5 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

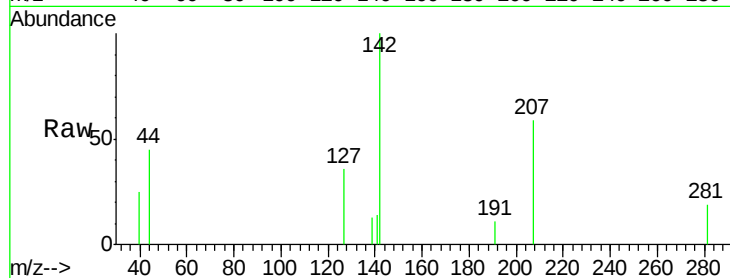




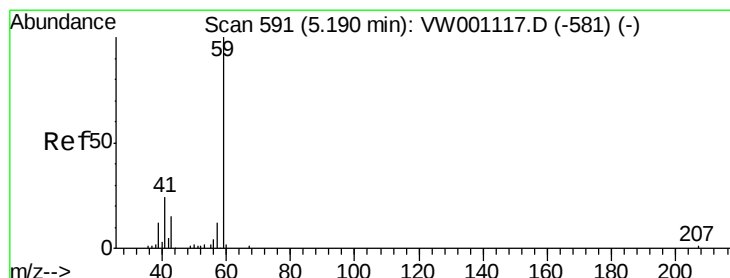
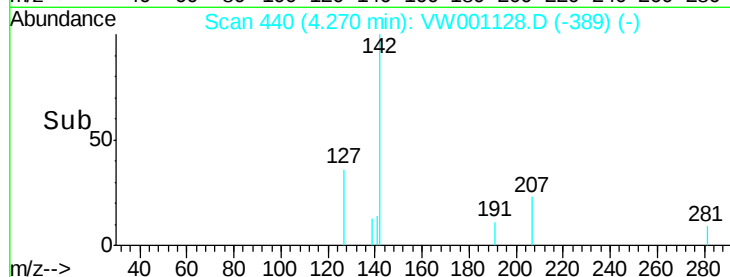
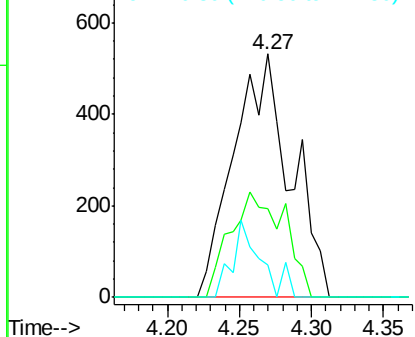
#10
Methyl Iodide
Concen: 1.07 ug/l
RT: 4.27 min Scan# 440
Delta R.T. 0.01 min
Lab File: VW001128.D
Acq: 29 Jan 2018 19:35

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

Tgt Ion:142 Resp: 1463
Ion Ratio Lower Upper
142 100
127 41.1 35.4 53.2
141 15.9 11.6 17.4

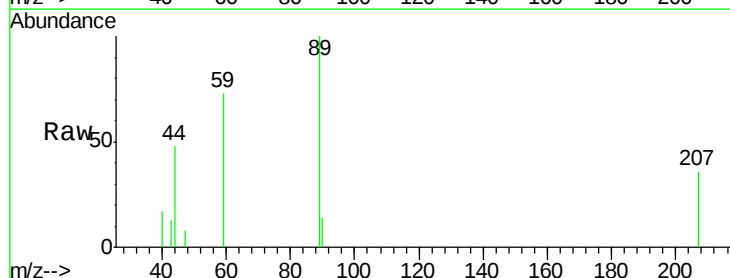


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

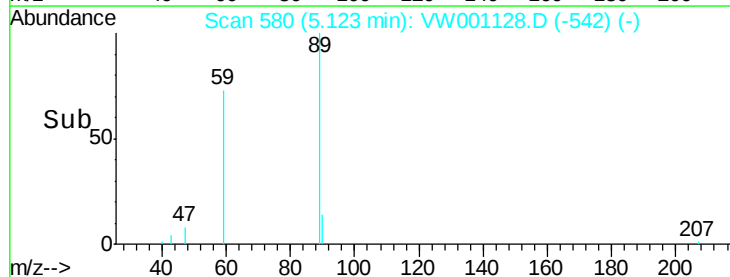
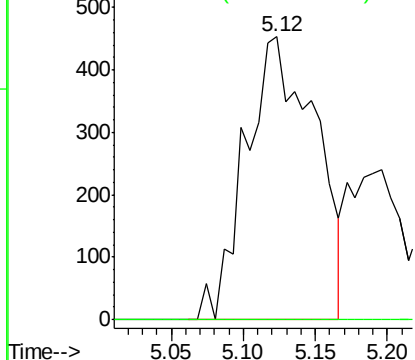


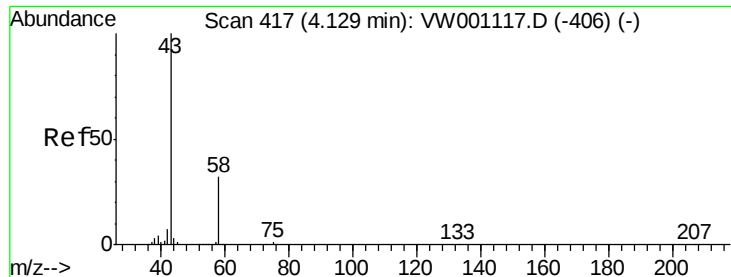
#11
Tert butyl alcohol
Concen: 13.77 ug/l
RT: 5.12 min Scan# 580
Delta R.T. -0.07 min
Lab File: VW001128.D
Acq: 29 Jan 2018 19:35

Tgt Ion: 59 Resp: 1527
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 29.80 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW001128.D

Acq: 29 Jan 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

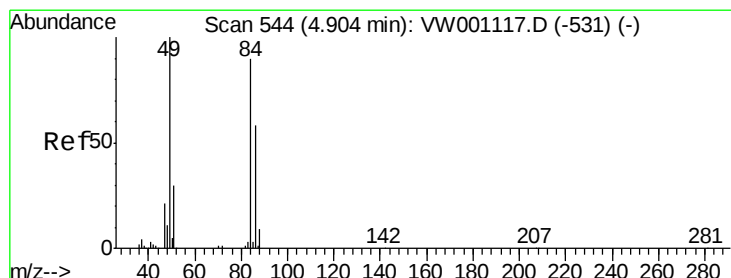
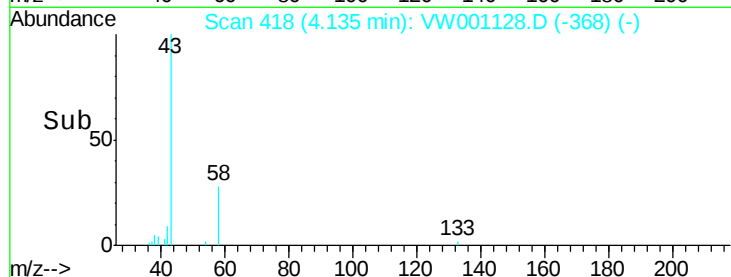
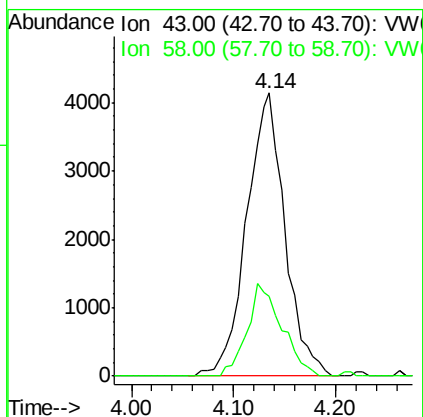
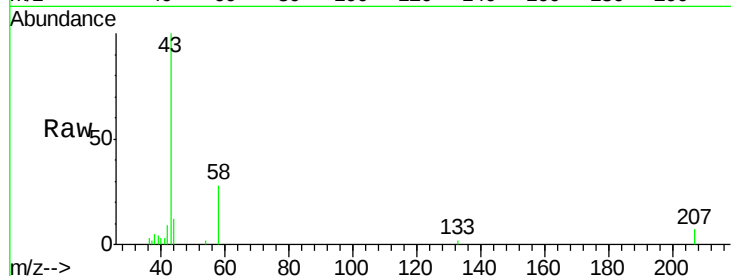
AU-05-012518-A

Tgt Ion: 43 Resp: 10815

Ion Ratio Lower Upper

43 100

58 28.0 25.7 38.5



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 543

Delta R.T. -0.01 min

Lab File: VW001128.D

Acq: 29 Jan 2018 19:35

Tgt Ion: 84 Resp: 566

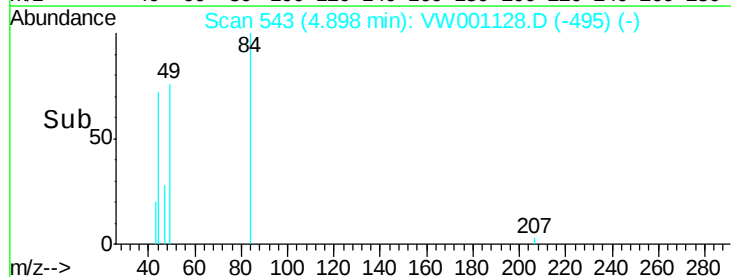
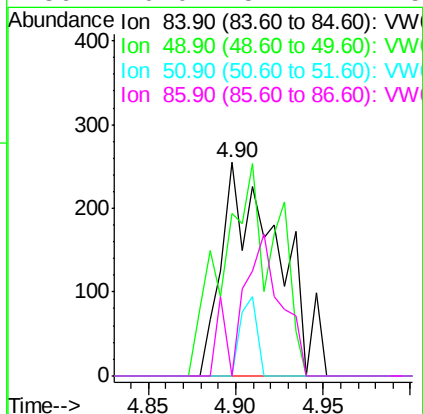
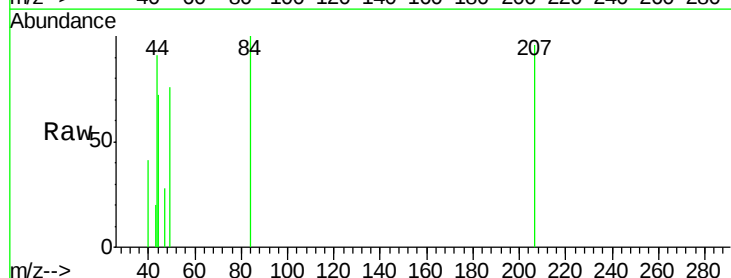
Ion Ratio Lower Upper

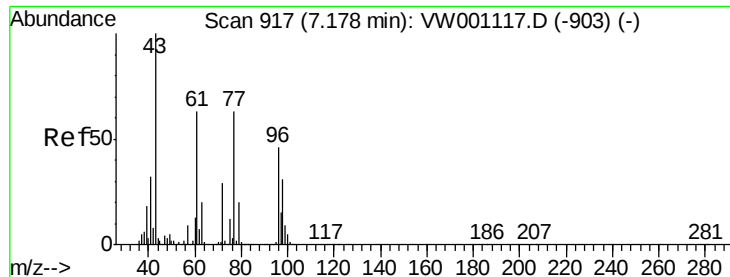
84 100

49 76.1 89.2 133.8#

51 0.0 26.7 40.1#

86 0.0 51.7 77.5#





#25

2-Butanone

Concen: 1.02 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.02 min

Lab File: VW001128.D

Acq: 29 Jan 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

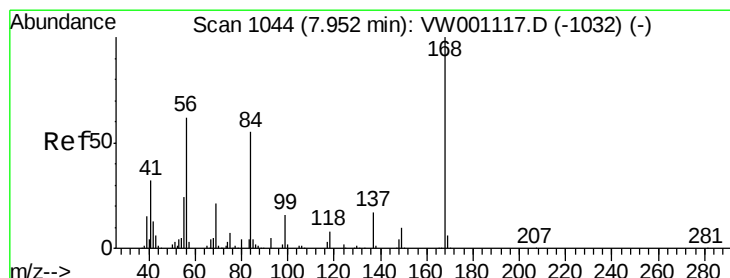
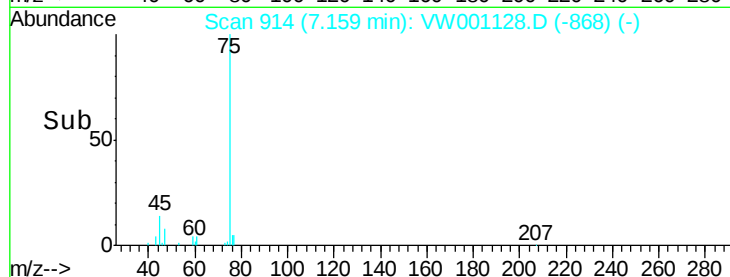
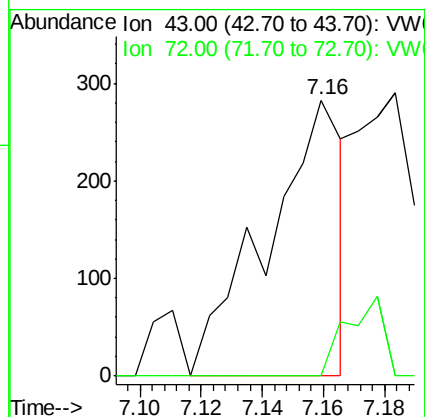
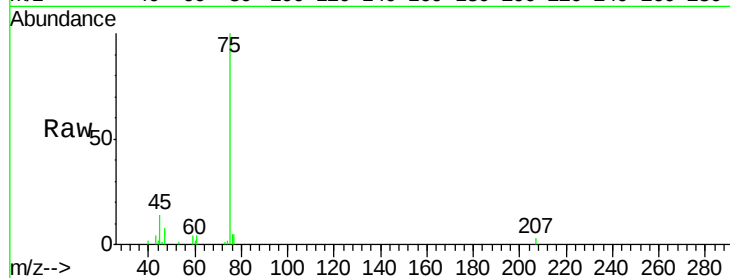
AU-05-012518-A

Tgt Ion: 43 Resp: 485

Ion Ratio Lower Upper

43 100

72 0.0 22.8 34.2#



#31

Cyclohexane

Concen: 1.48 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW001128.D

Acq: 29 Jan 2018 19:35

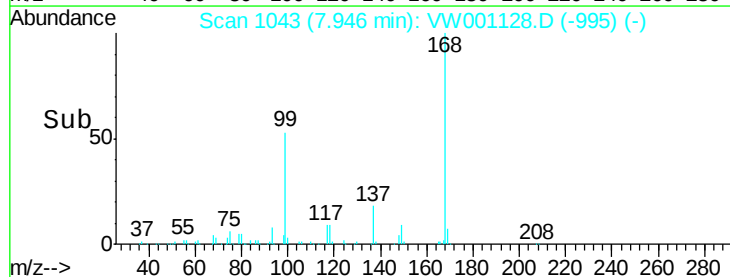
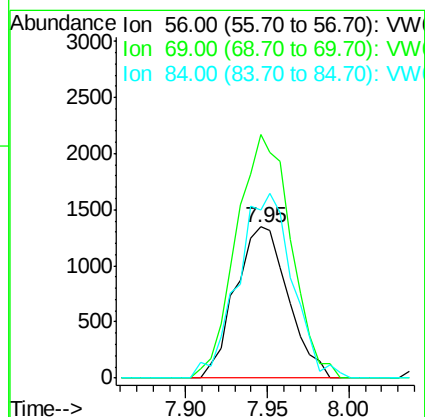
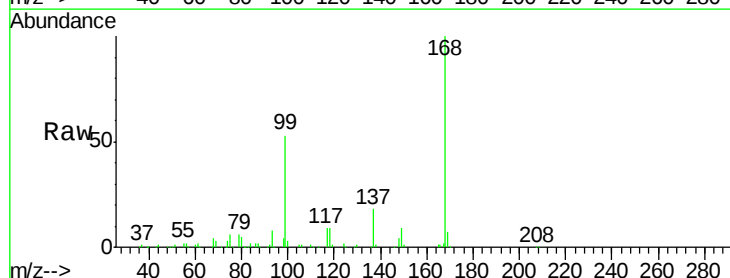
Tgt Ion: 56 Resp: 3026

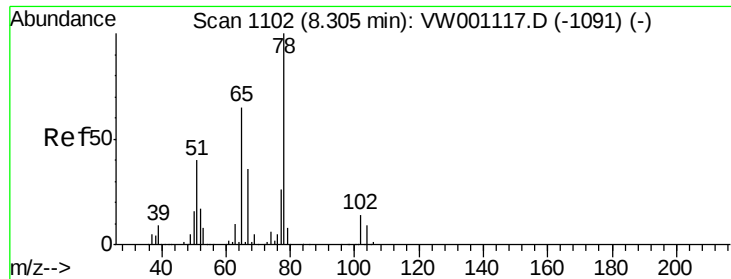
Ion Ratio Lower Upper

56 100

69 160.8 27.4 41.0#

84 110.7 71.1 106.7#

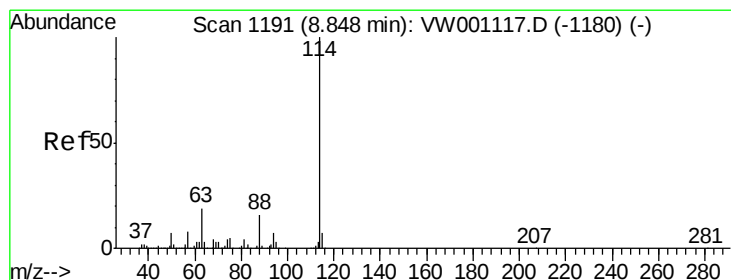
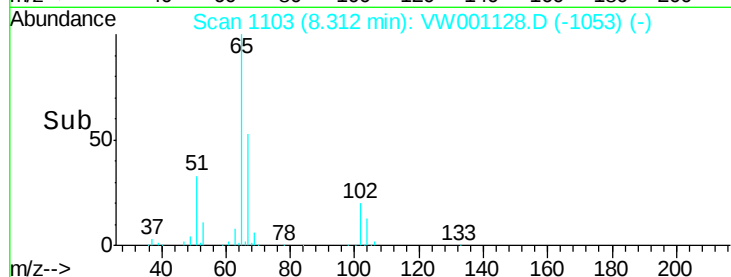
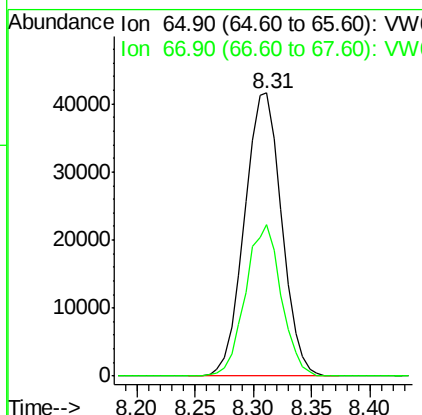
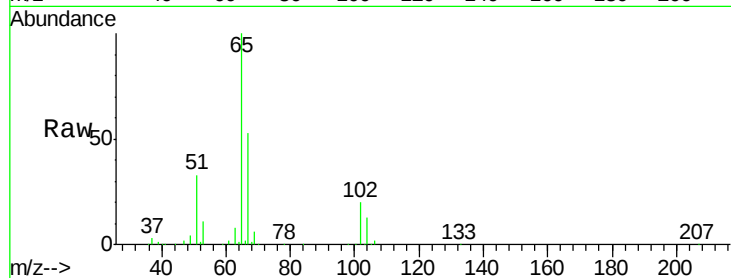




#33
 1,2-Dichloroethane-d4
 Concen: 66.93 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW001128.D
 Acq: 29 Jan 2018 19:35

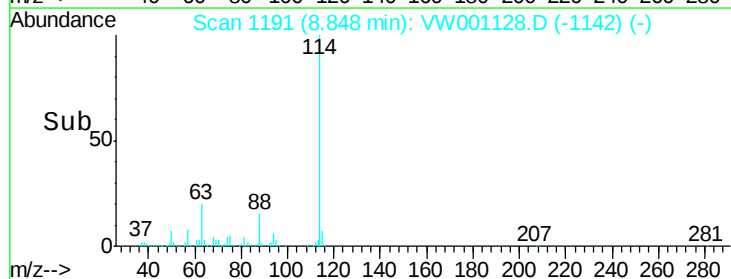
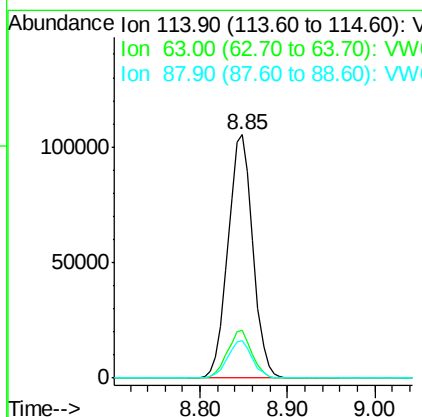
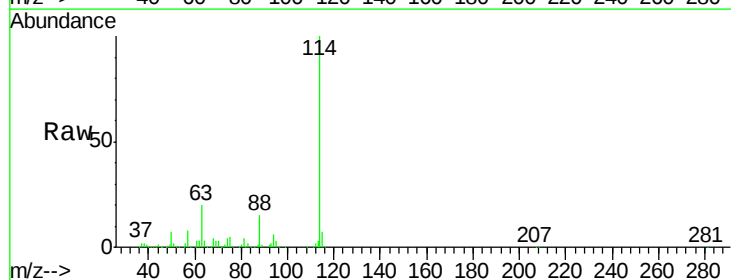
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 MSVOA_W
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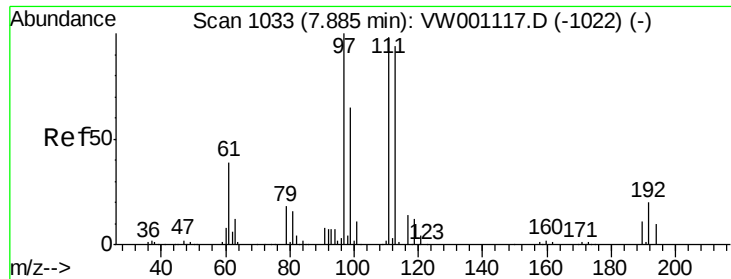
Tgt Ion: 65 Resp: 92382
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW001128.D
 Acq: 29 Jan 2018 19:35

Tgt Ion: 114 Resp: 207857
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.2
 88 15.3 0.0 31.0

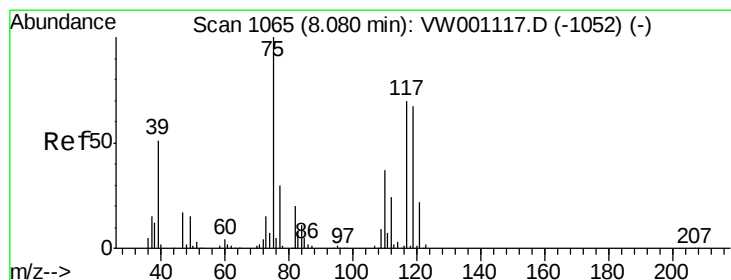
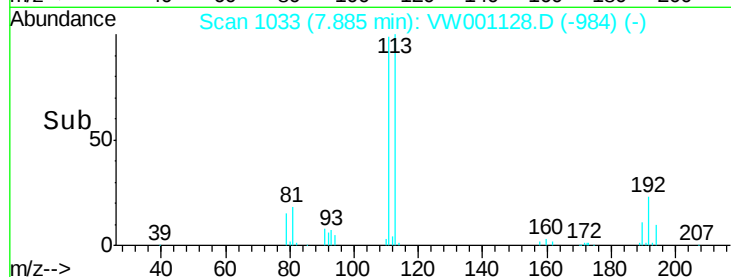
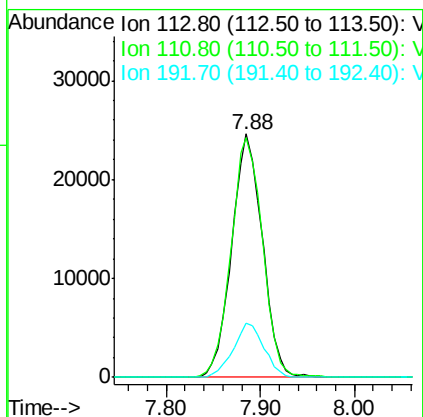
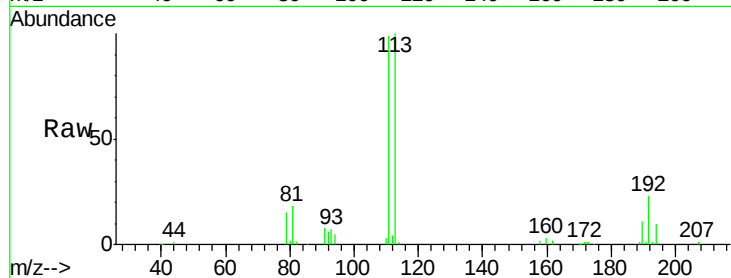




#35
 Dibromofluoromethane
 Concen: 41.86 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW001128.D
 Acq: 29 Jan 2018 19:35

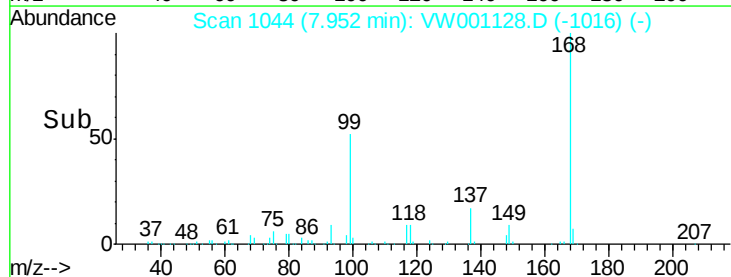
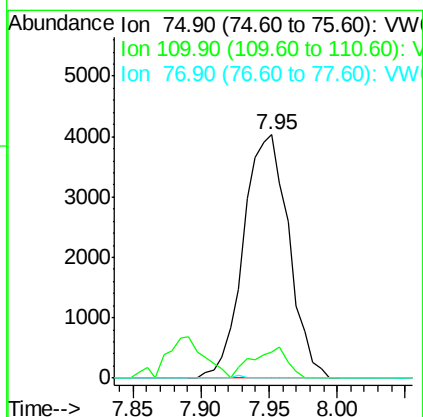
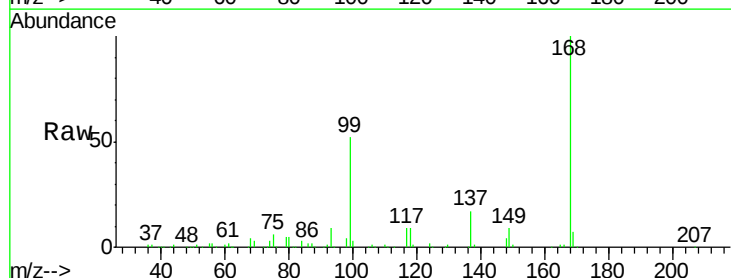
Instrument :
 MSVOA_W
 ClientSampleId :
 AU-05-012518-A

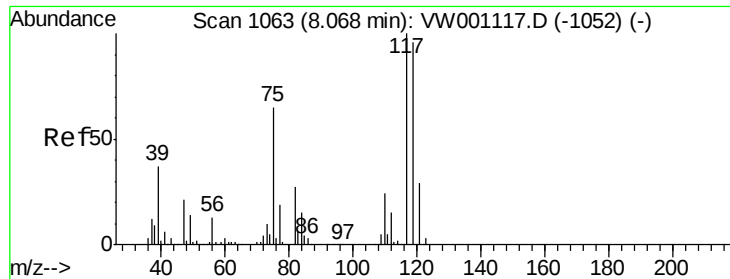
Tgt Ion:113 Resp: 55652
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.1 124.7
 192 22.3 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 5.00 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW001128.D
 Acq: 29 Jan 2018 19:35

Tgt Ion: 75 Resp: 9386
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.7 56.1#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.37 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW001128.D

Acq: 29 Jan 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

AU-05-012518-A

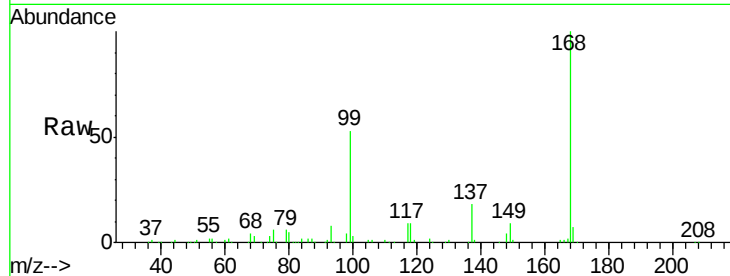
Tgt Ion: 117 Resp: 13358

Ion Ratio Lower Upper

117 100

119 7.8 77.0 115.4#

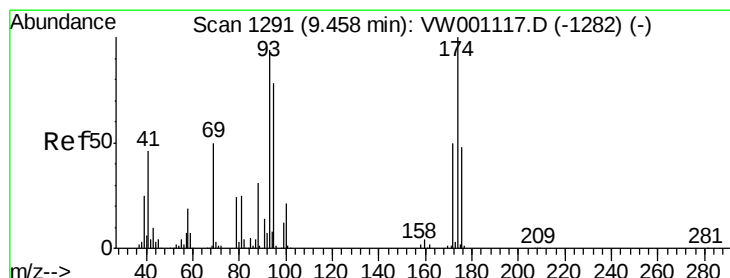
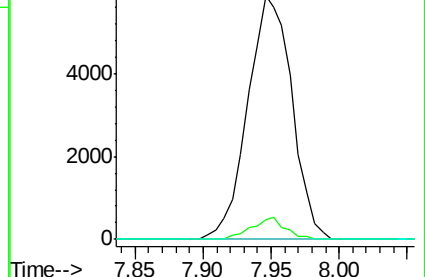
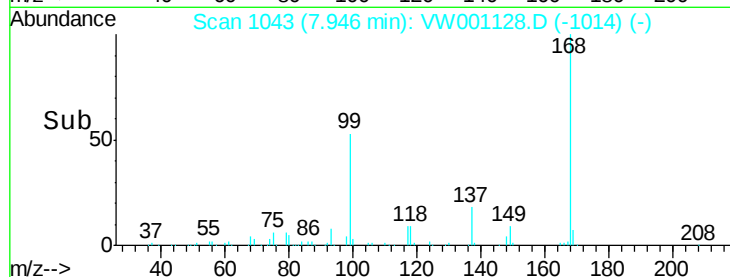
121 0.0 23.5 35.3#



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



#49

1,4-Dioxane

Concen: 1.94 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VW001128.D

Acq: 29 Jan 2018 19:35

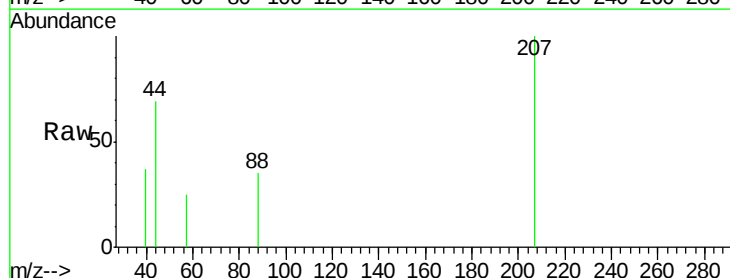
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 23.0 34.6#

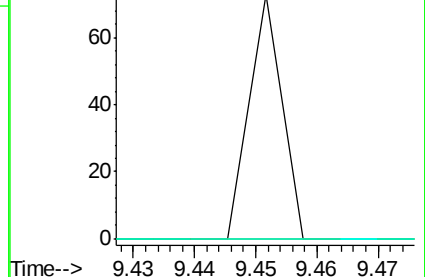
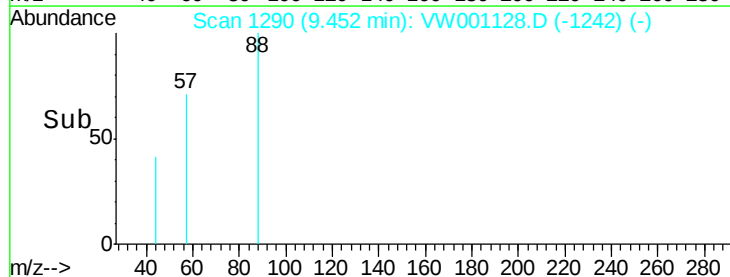
58 0.0 53.9 80.9#

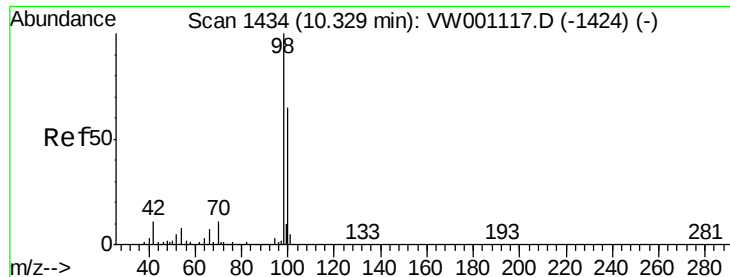


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 55.22 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW001128.D

Acq: 29 Jan 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

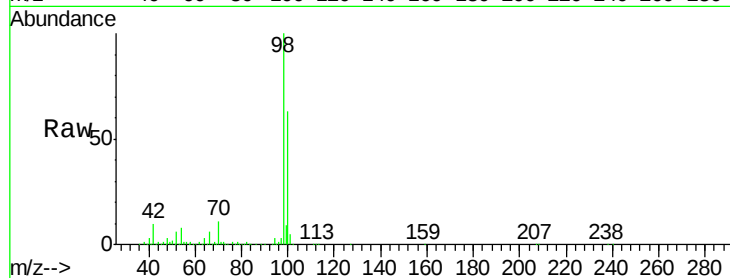
AU-05-012518-A

Tgt Ion: 98 Resp: 282562

Ion Ratio Lower Upper

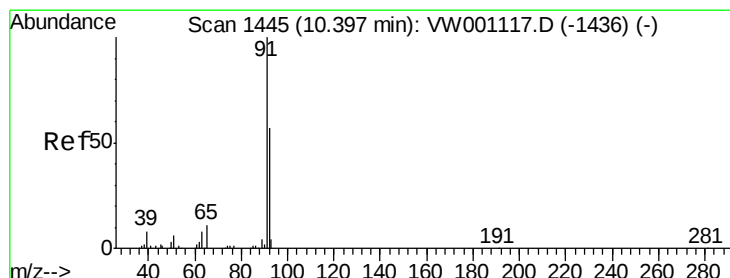
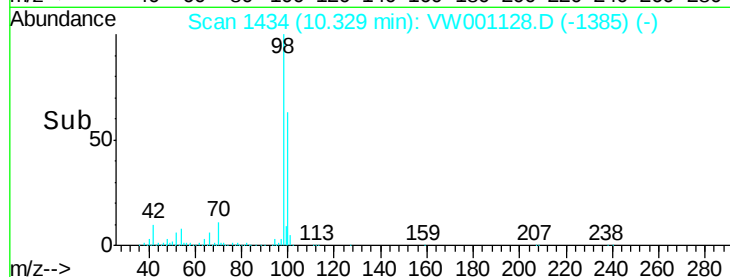
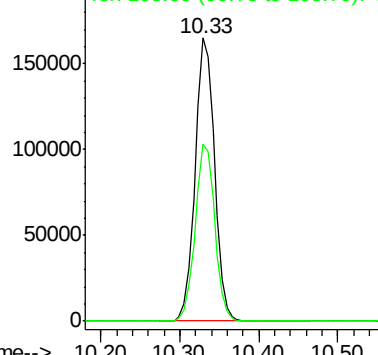
98 100

100 63.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 1.93 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW001128.D

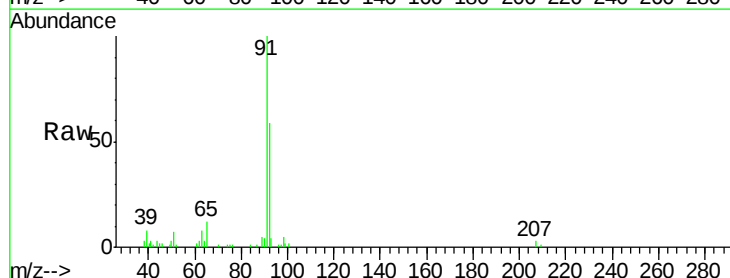
Acq: 29 Jan 2018 19:35

Tgt Ion: 92 Resp: 6431

Ion Ratio Lower Upper

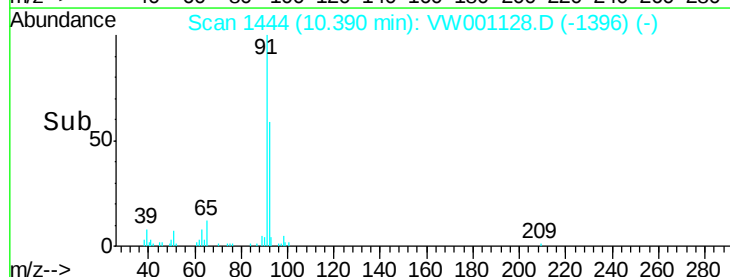
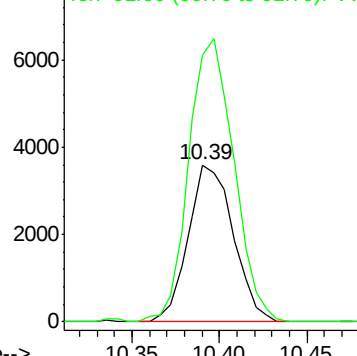
92 100

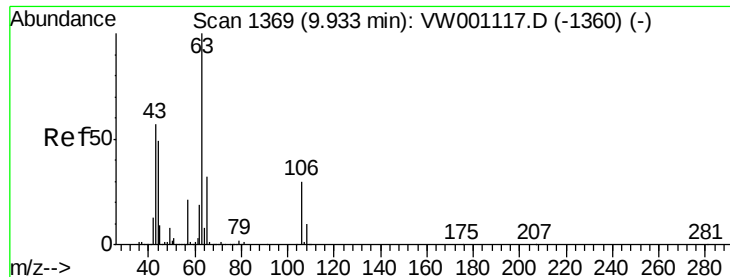
91 181.1 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

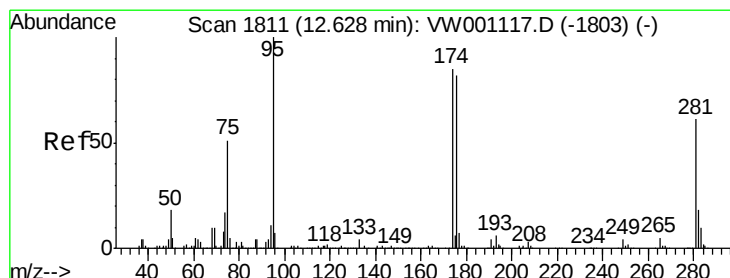
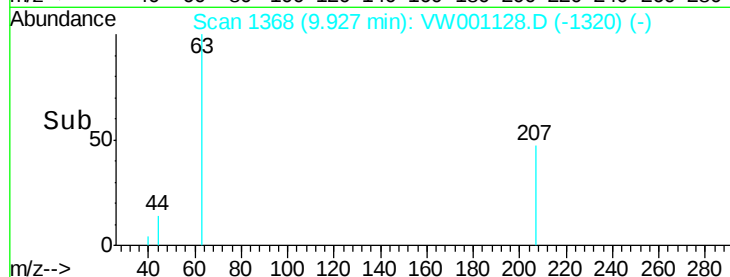
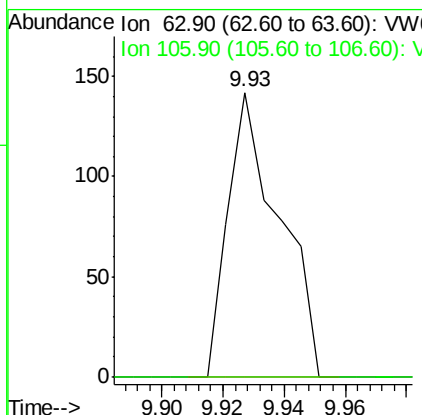
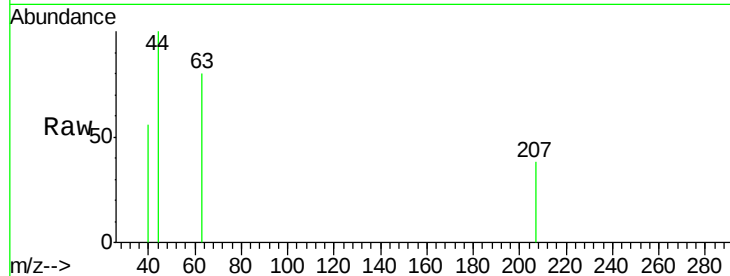




#58
 2-Chloroethyl Vinyl ether
 Concen: 23.57 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW001128.D
 Acq: 29 Jan 2018 19:35

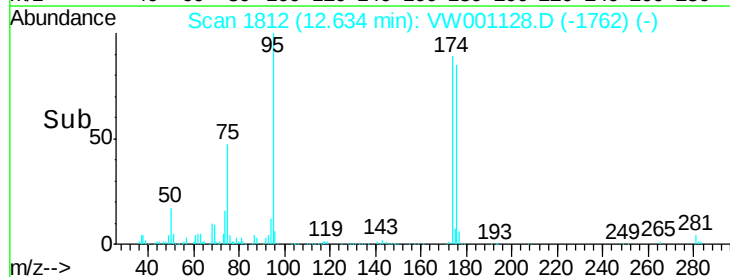
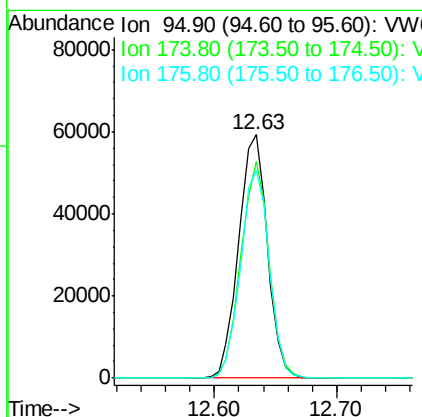
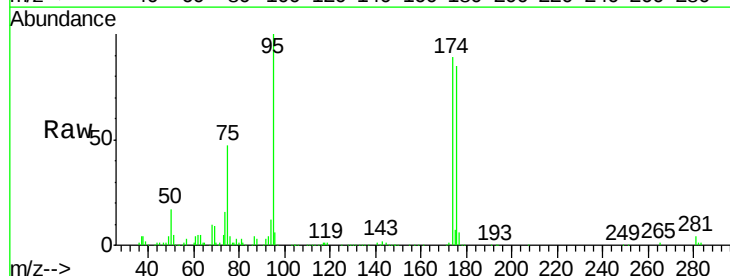
Instrument :
 MSVOA_W
 ClientSampleId :
 AU-05-012518-A

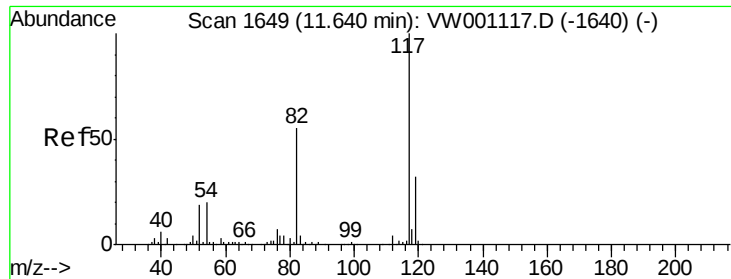
Tgt Ion: 63 Resp: 164
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.2 36.4#



#62
 4-Bromofluorobenzene
 Concen: 51.12 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW001128.D
 Acq: 29 Jan 2018 19:35

Tgt Ion: 95 Resp: 96398
 Ion Ratio Lower Upper
 95 100
 174 87.3 0.0 179.6
 176 85.3 0.0 174.4

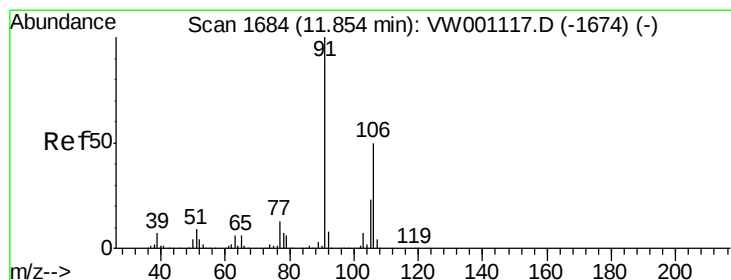
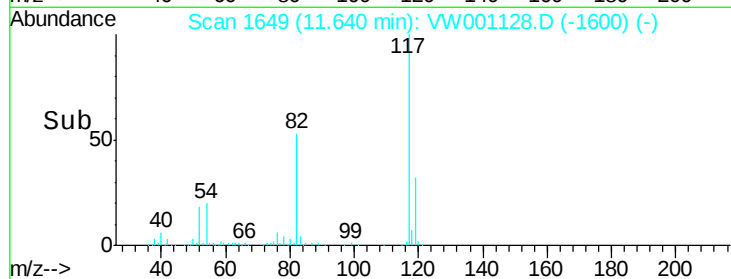
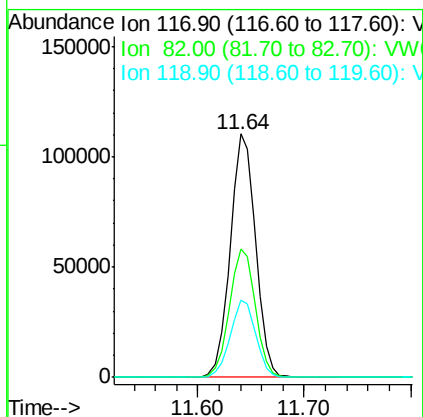
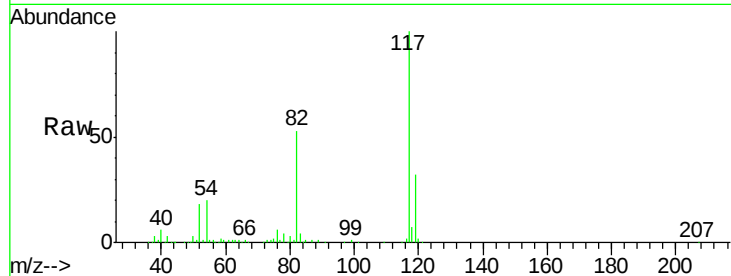




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW001128.D
Acq: 29 Jan 2018 19:35

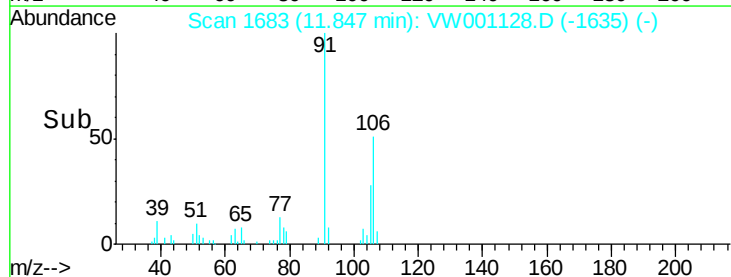
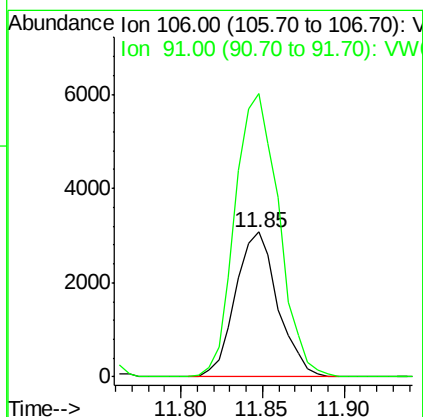
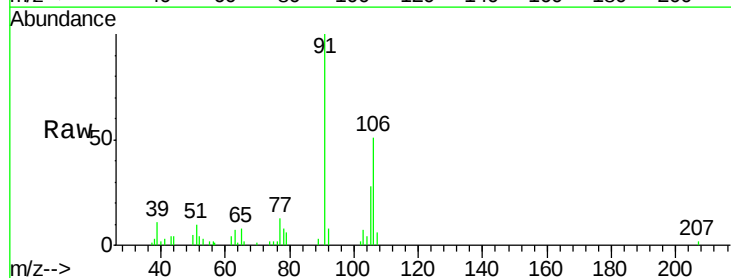
Instrument :
MSVOA_W
ClientSampleId :
AU-05-012518-A

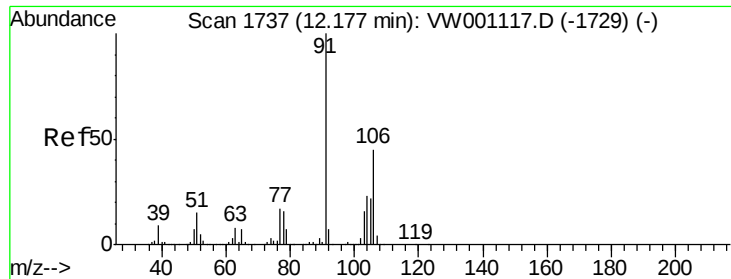
Tgt Ion:117 Resp: 184413
Ion Ratio Lower Upper
117 100
82 52.7 43.8 65.8
119 31.5 25.8 38.8



#68
m/p-Xylenes
Concen: 2.30 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW001128.D
Acq: 29 Jan 2018 19:35

Tgt Ion:106 Resp: 5566
Ion Ratio Lower Upper
106 100
91 202.6 163.1 244.7

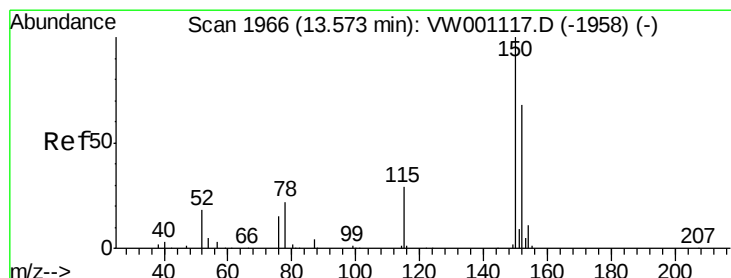
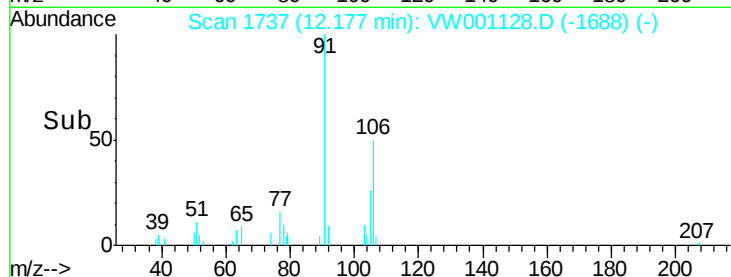
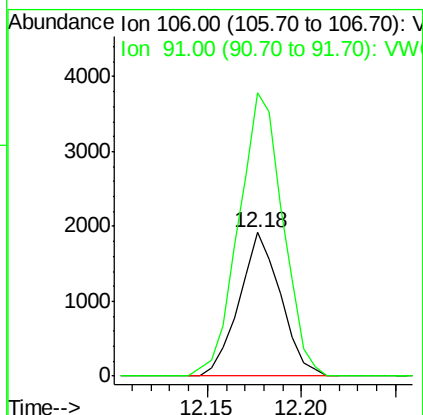
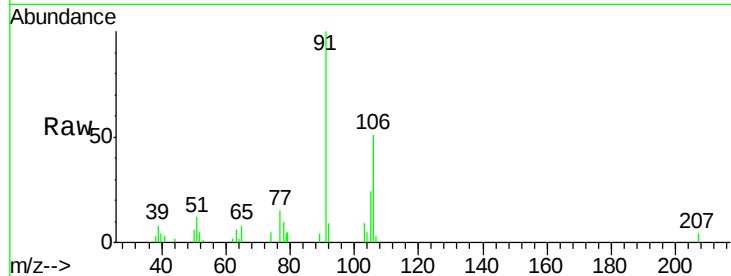




#69
o-Xylene
Concen: 1.31 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW001128.D
Acq: 29 Jan 2018 19:35

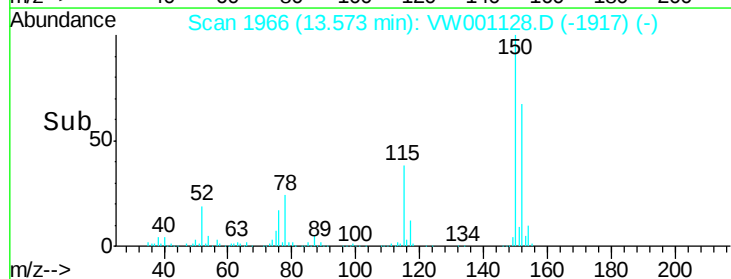
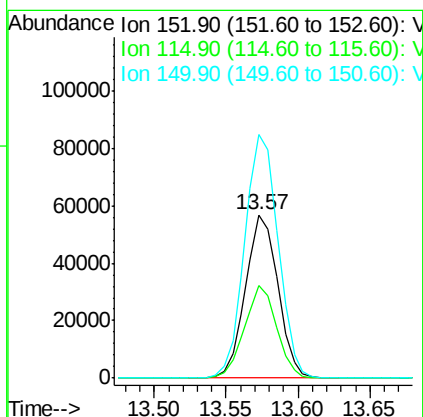
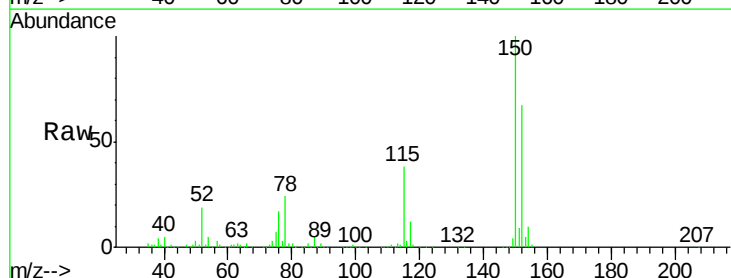
Instrument :
MSVOA_W
ClientSampleId :
AU-05-012518-A

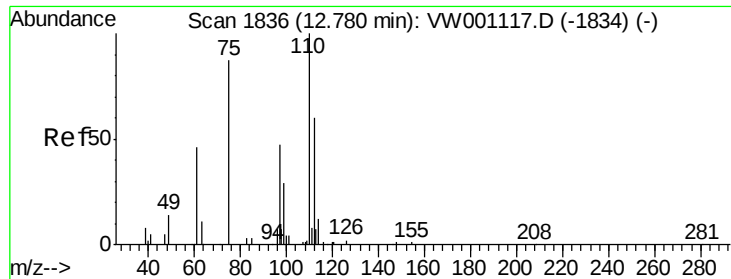
Tgt Ion:106 Resp: 2923
Ion Ratio Lower Upper
106 100
91 210.2 107.6 322.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW001128.D
Acq: 29 Jan 2018 19:35

Tgt Ion:152 Resp: 88357
Ion Ratio Lower Upper
152 100
115 56.4 28.4 85.3
150 153.9 0.0 342.4

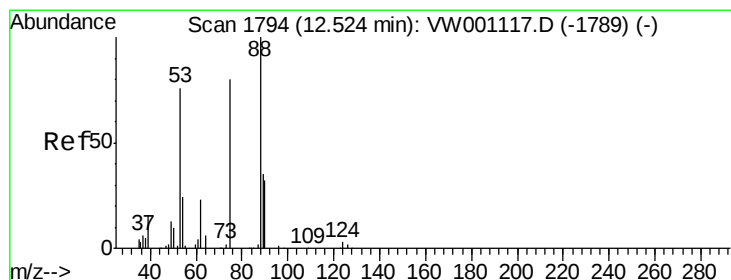
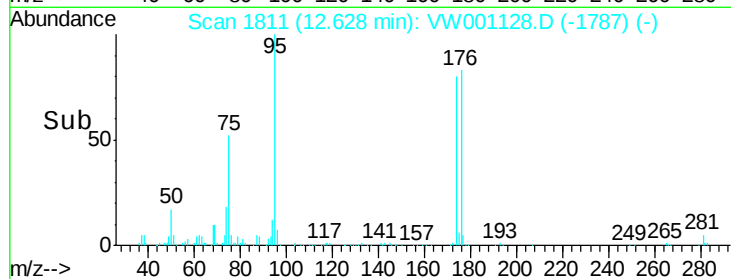
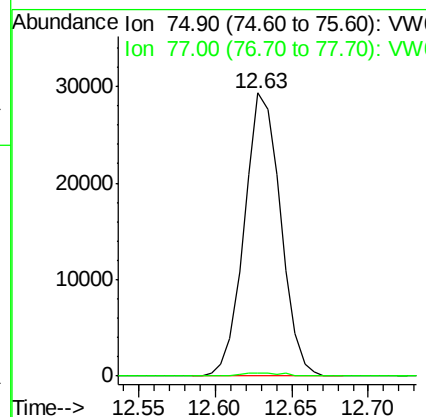
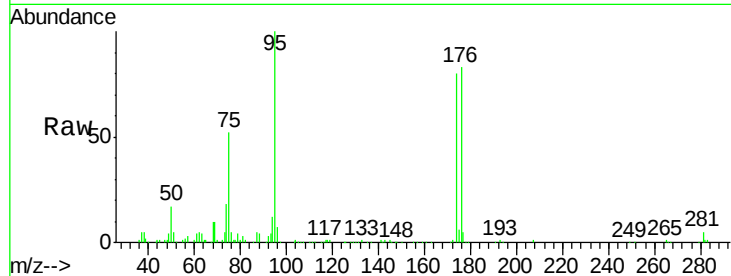




#76
 1,2,3-Trichloropropane
 Concen: 53.92 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW001128.D
 Acq: 29 Jan 2018 19:35

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

Tgt Ion: 75 Resp: 48285
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.78 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW001128.D
 Acq: 29 Jan 2018 19:35

Tgt Ion: 75 Resp: 48285
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.0 112.6#
 89 0.0 38.2 57.4#

