

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012918\
 Data File : VW001134.D
 Acq On : 29 Jan 2018 22:04
 Operator : JC/SY
 Sample : J1009-13
 Misc : 7.95G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jan 30 02:12:08 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	28313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	38937	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	33875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	14634	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	18109	65.79	ug/l	0.00
Spiked Amount			Recovery	=	131.58%	
35) Dibromofluoromethane	7.88	113	4381	17.59	ug/l	0.00
Spiked Amount			Recovery	=	35.18%	
50) Toluene-d8	10.33	98	49277	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.63	95	15451	43.74	ug/l	0.00
Spiked Amount			Recovery	=	87.48%	

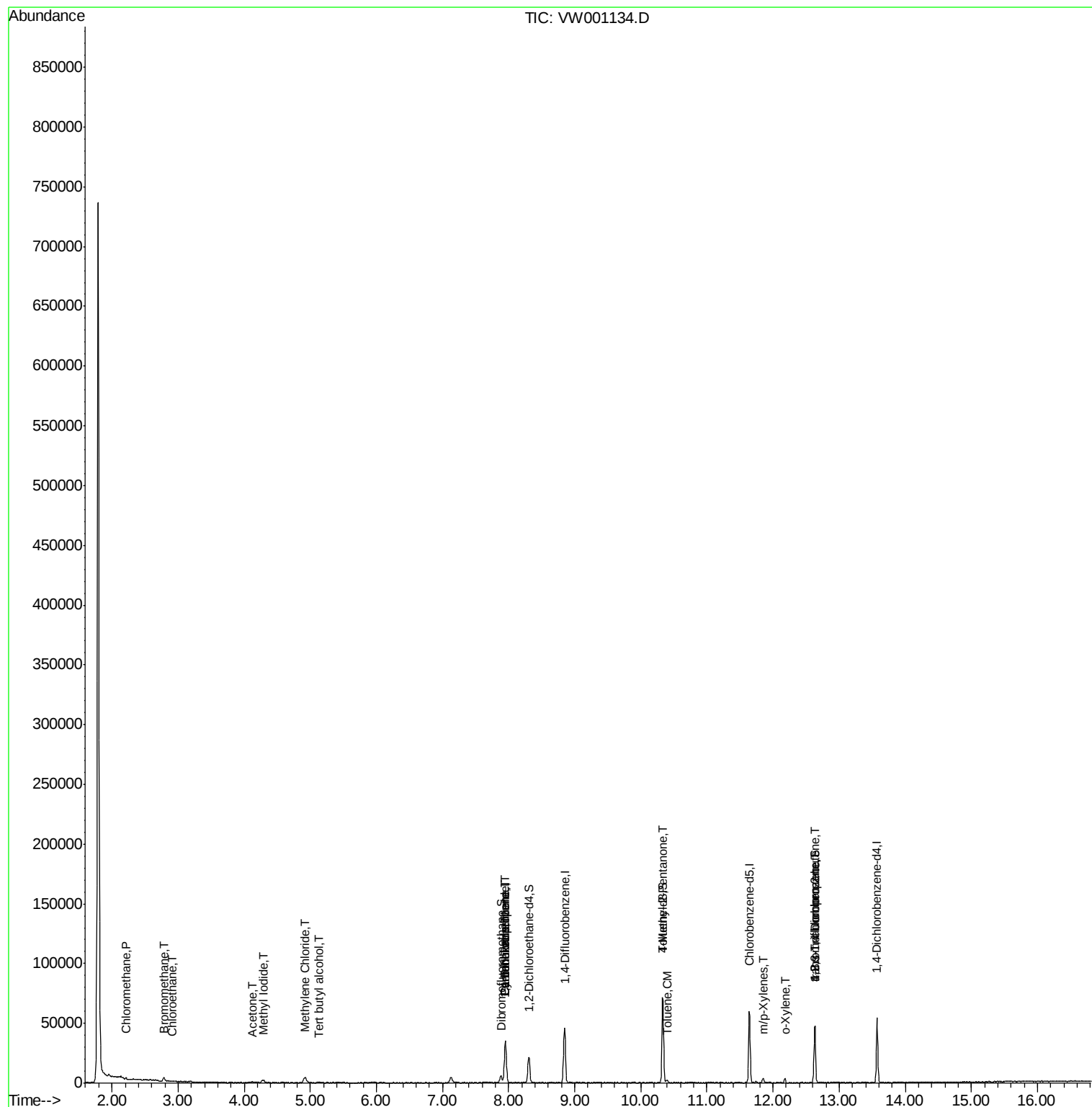
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.22	50	1204	5.74	ug/l	96
5) Bromomethane	2.79	94	1890	10.70	ug/l	90
6) Chloroethane	2.91	64	150	1.27	ug/l #	42
10) Methyl Iodide	4.28	142	3882	14.25	ug/l	100
11) Tert butyl alcohol	5.13	59	131	5.92	ug/l #	73
16) Acetone	4.12	43	1516	20.95	ug/l #	87
18) Methyl Acetate	4.84	43	61	Below Cal	#	50
20) Methylene Chloride	4.92	84	3466	12.65	ug/l	89
31) Cyclohexane	7.95	56	680	1.66	ug/l #	50
36) 1,1-Dichloropropene	7.94	75	1833	5.21	ug/l #	43
38) Carbon Tetrachloride	7.95	117	2789	7.10	ug/l #	19
51) 4-Methyl-2-Pentanone	10.33	43	217	1.24	ug/l #	1
52) Toluene	10.39	92	1028	1.64	ug/l	97
68) m/p-Xylenes	11.86	106	1345	3.03	ug/l	86
69) o-Xylene	12.18	106	1003	2.45	ug/l	95
76) 1,2,3-Trichloropropane	12.63	75	7895	53.23	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	7895	139.97	ug/l #	12

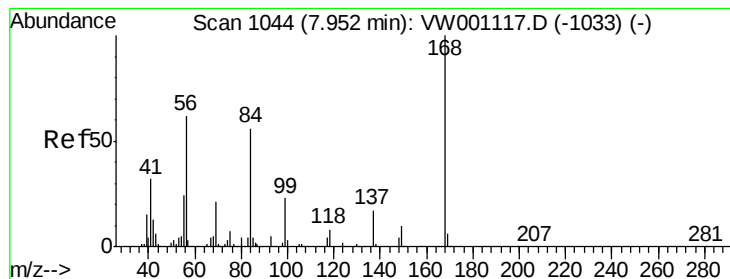
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW001134.D

Acq: 29 Jan 2018 22:04

Instrument :

MSVOA_W

ClientSampleId :

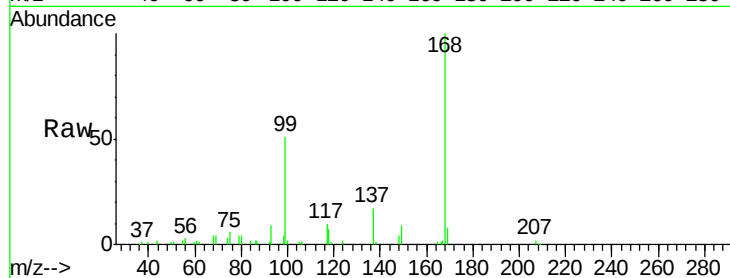
AU-06-012518-C

Tgt Ion:168 Resp: 28313

Ion Ratio Lower Upper

168 100

99 50.7 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

15000

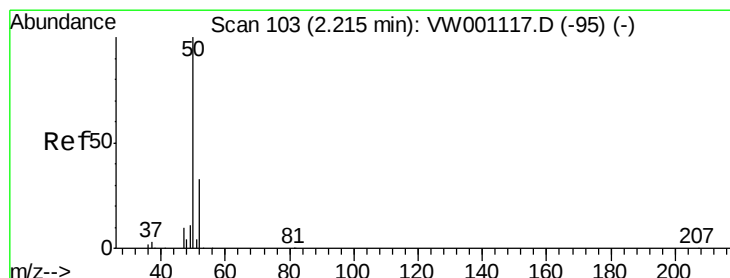
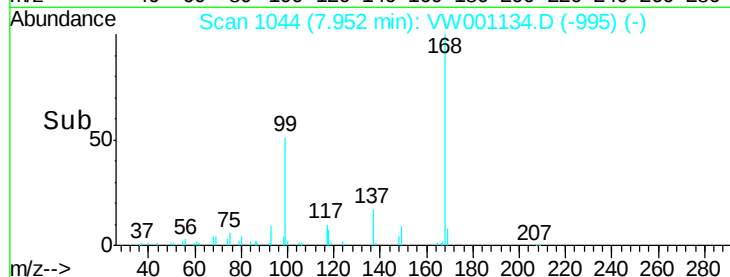
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#3

Chloromethane

Concen: 5.74 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW001134.D

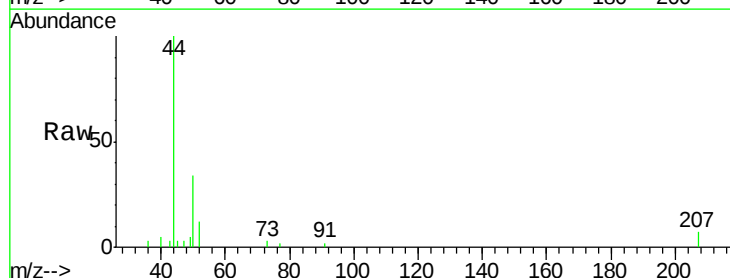
Acq: 29 Jan 2018 22:04

Tgt Ion: 50 Resp: 1204

Ion Ratio Lower Upper

50 100

52 34.9 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.22

800

600

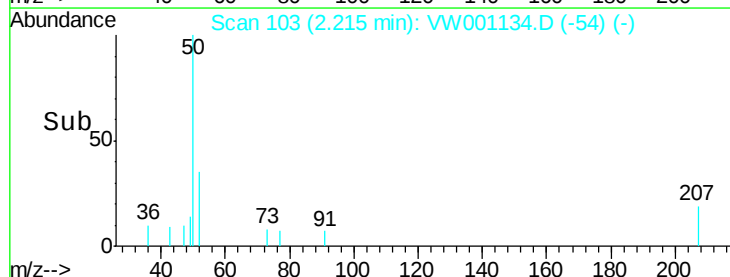
400

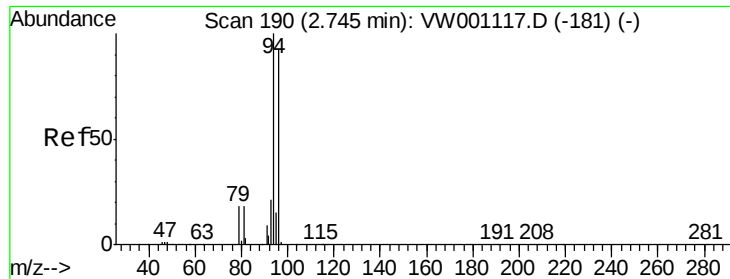
200

0

2.20 2.22 2.25

Time-->





#5

Bromomethane

Concen: 10.70 ug/l

RT: 2.79 min Scan# 197

Delta R.T. 0.04 min

Lab File: VW001134.D

Acq: 29 Jan 2018 22:04

Instrument :

MSVOA_W

ClientSampleId :

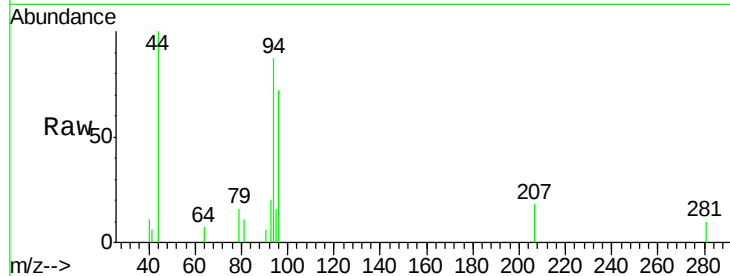
AU-06-012518-C

Tgt Ion: 94 Resp: 1890

Ion Ratio Lower Upper

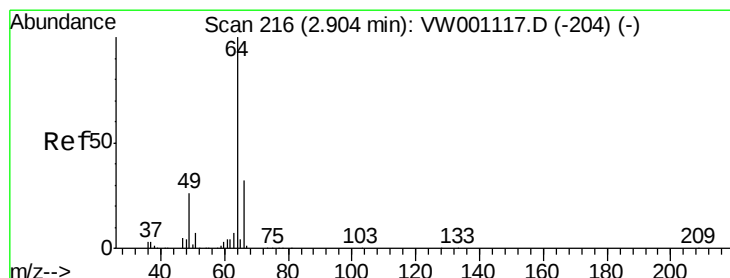
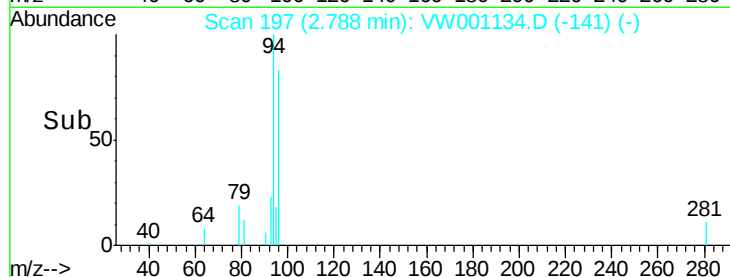
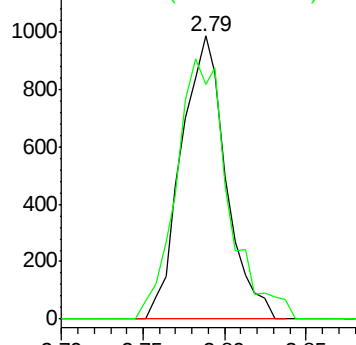
94 100

96 82.9 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 1.27 ug/l

RT: 2.91 min Scan# 217

Delta R.T. 0.01 min

Lab File: VW001134.D

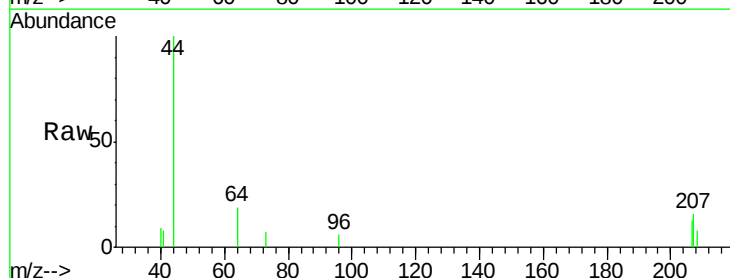
Acq: 29 Jan 2018 22:04

Tgt Ion: 64 Resp: 150

Ion Ratio Lower Upper

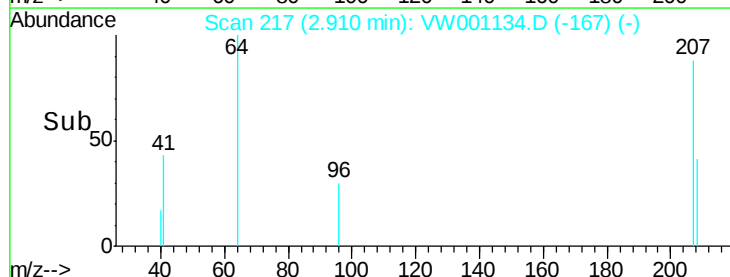
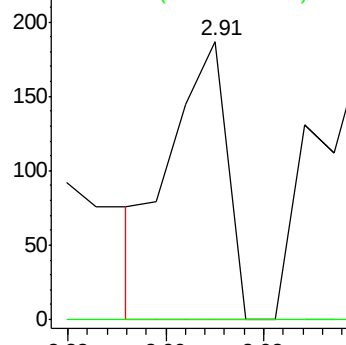
64 100

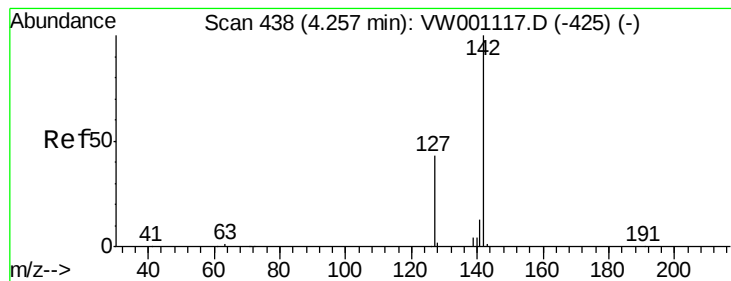
66 0.0 25.8 38.8#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#10

Methyl Iodide

Concen: 14.25 ug/l

RT: 4.28 min Scan# 442

Delta R.T. 0.02 min

Lab File: VW001134.D

Acq: 29 Jan 2018 22:04

Instrument :

MSVOA_W

ClientSampleId :

AU-06-012518-C

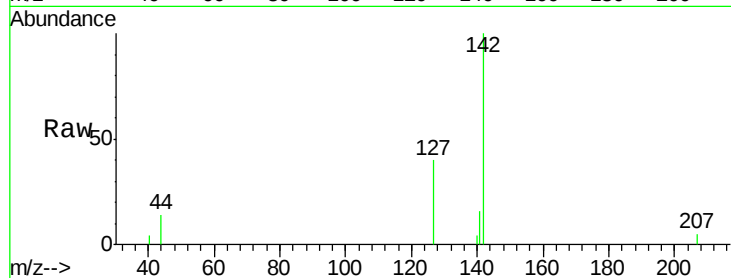
Tgt Ion:142 Resp: 3882

Ion Ratio Lower Upper

142 100

127 44.3 35.4 53.2

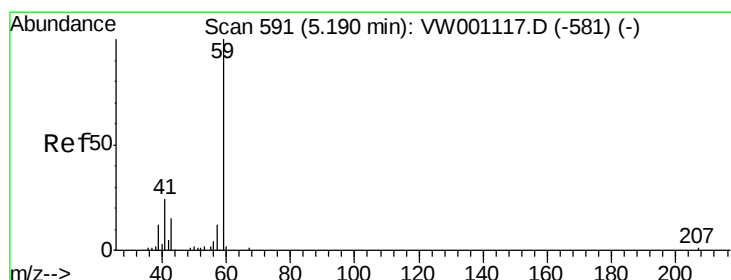
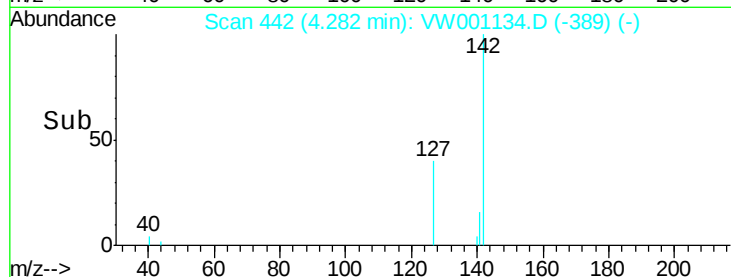
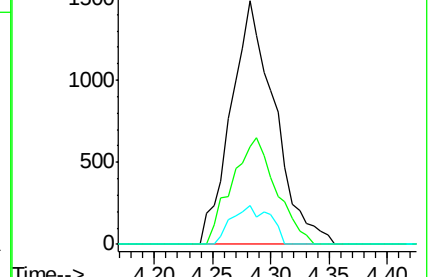
141 13.9 11.6 17.4



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: 5.92 ug/l

RT: 5.13 min Scan# 581

Delta R.T. -0.06 min

Lab File: VW001134.D

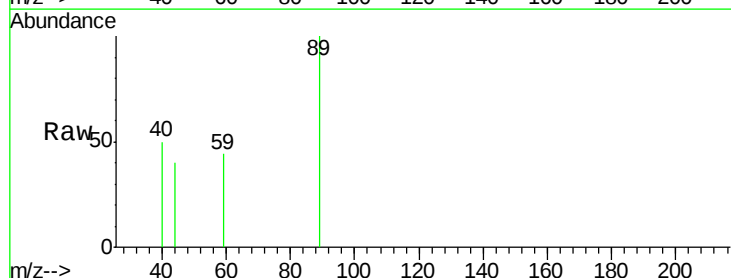
Acq: 29 Jan 2018 22:04

Tgt Ion: 59 Resp: 131

Ion Ratio Lower Upper

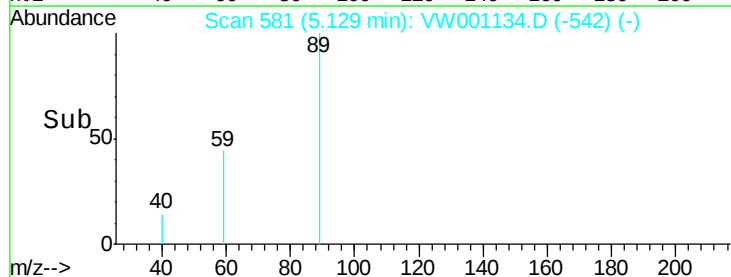
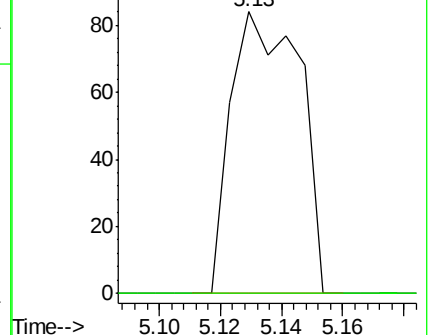
59 100

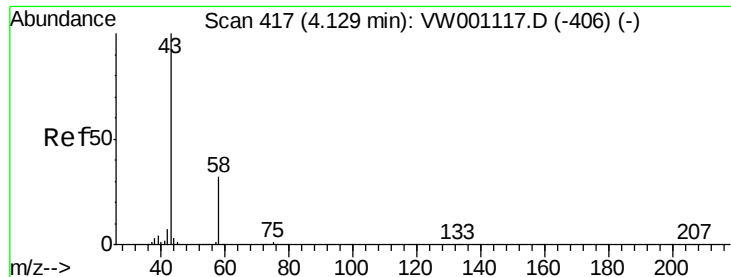
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 20.95 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW001134.D

Acq: 29 Jan 2018 22:04

Instrument :

MSVOA_W

ClientSampleId :

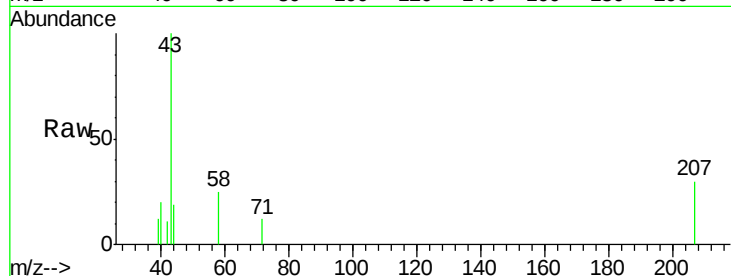
AU-06-012518-C

Tgt Ion: 43 Resp: 1516

Ion Ratio Lower Upper

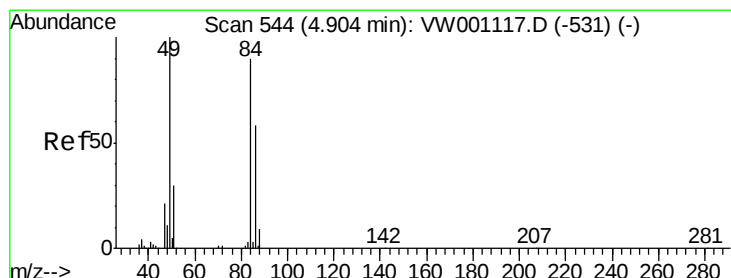
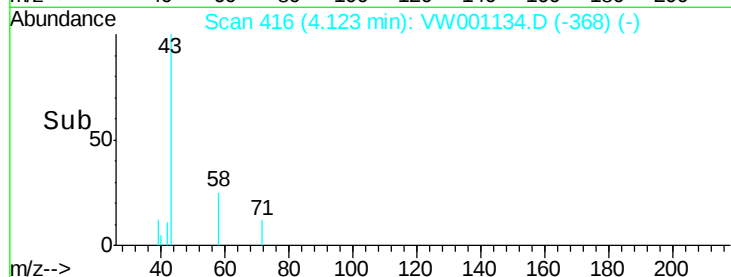
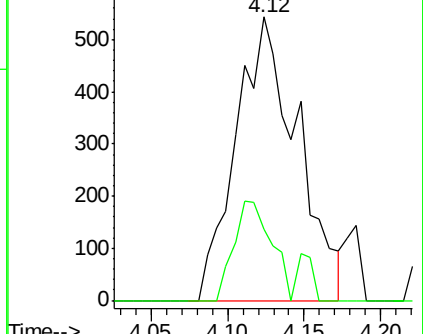
43 100

58 25.0 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: 12.65 ug/l

RT: 4.92 min Scan# 547

Delta R.T. 0.02 min

Lab File: VW001134.D

Acq: 29 Jan 2018 22:04

Tgt Ion: 84 Resp: 3466

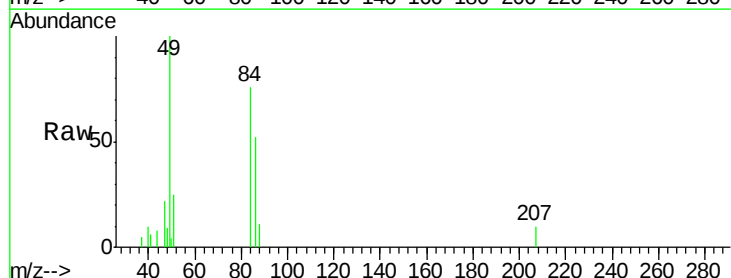
Ion Ratio Lower Upper

84 100

49 131.3 89.2 133.8

51 33.4 26.7 40.1

86 68.2 51.7 77.5

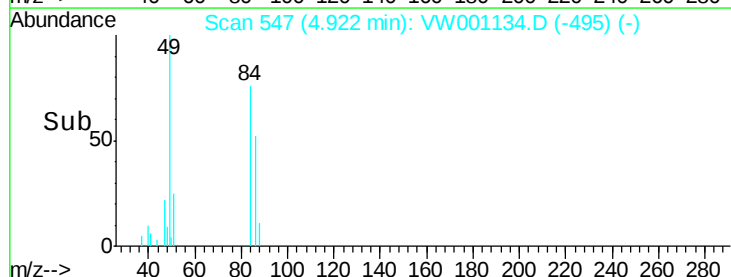
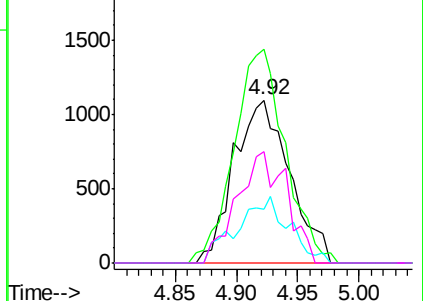


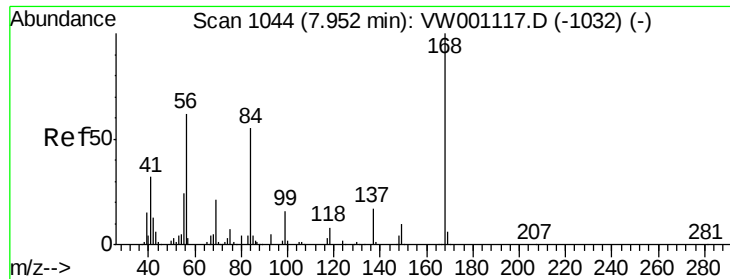
Abundance Ion 83.90 (83.60 to 84.60): VW

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

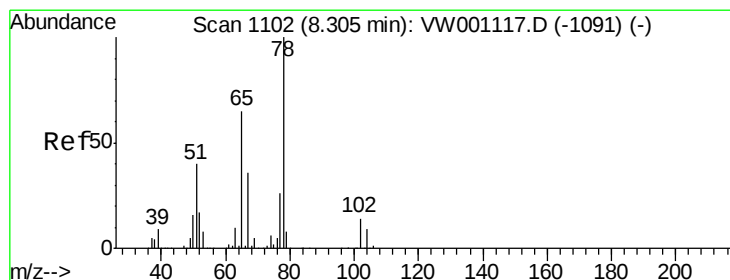
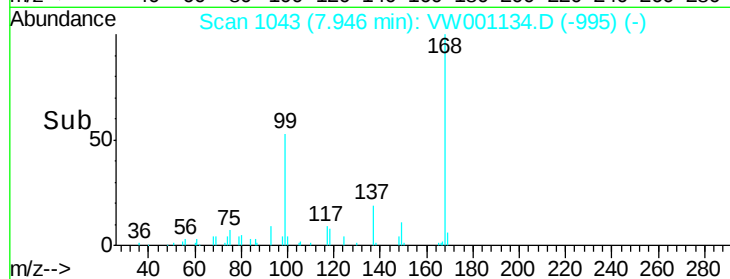
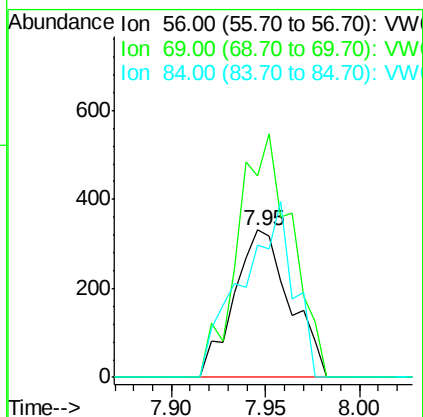
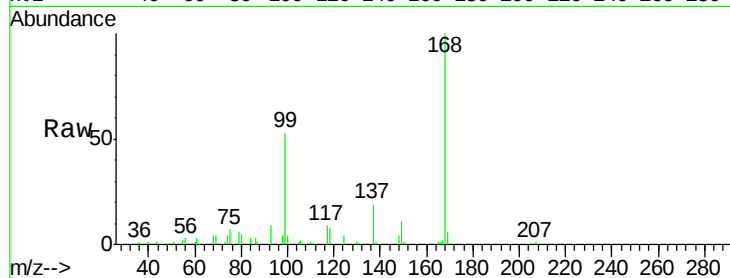




#31
Cyclohexane
Concen: 1.66 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW001134.D
Acq: 29 Jan 2018 22:04

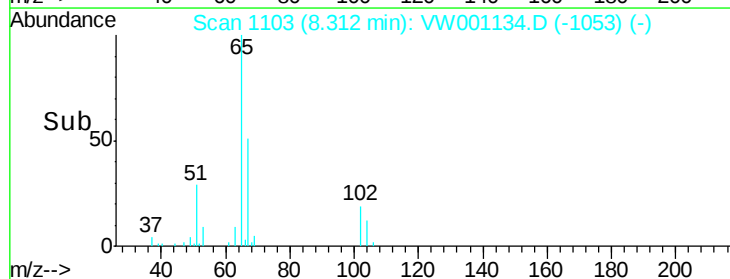
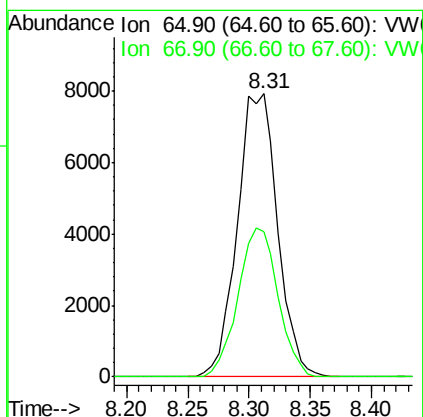
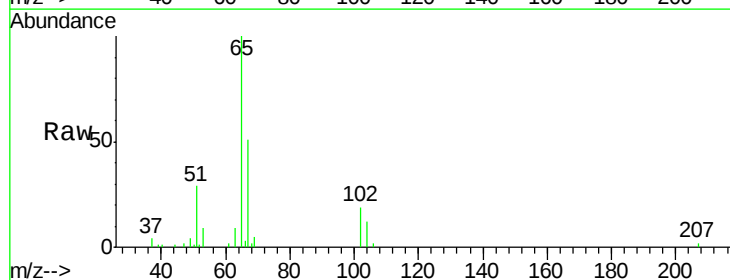
Instrument :
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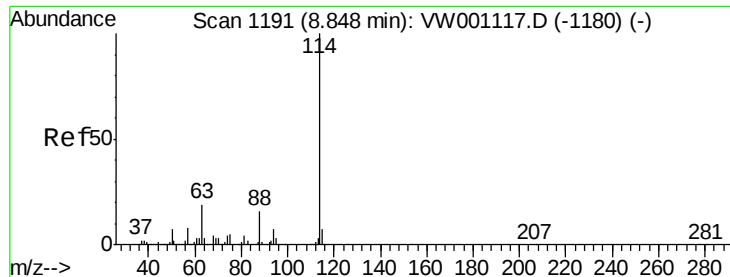
Tgt Ion: 56 Resp: 680
Ion Ratio Lower Upper
56 100
69 136.6 27.4 41.0#
84 89.7 71.1 106.7



#33
1,2-Dichloroethane-d4
Concen: 65.79 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW001134.D
Acq: 29 Jan 2018 22:04

Tgt Ion: 65 Resp: 18109
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.2

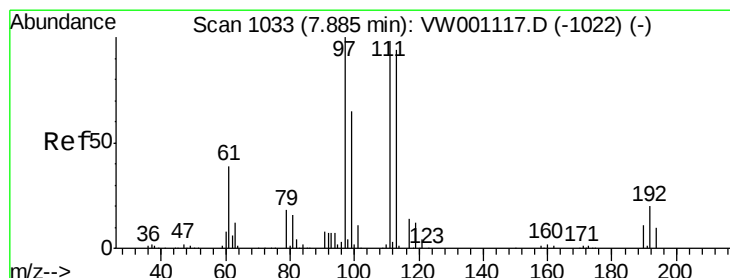
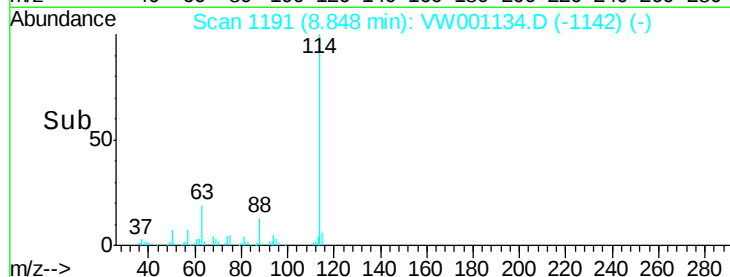
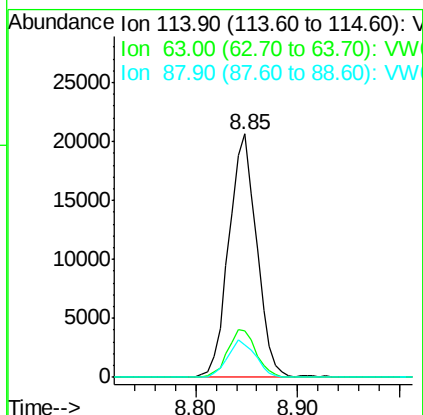
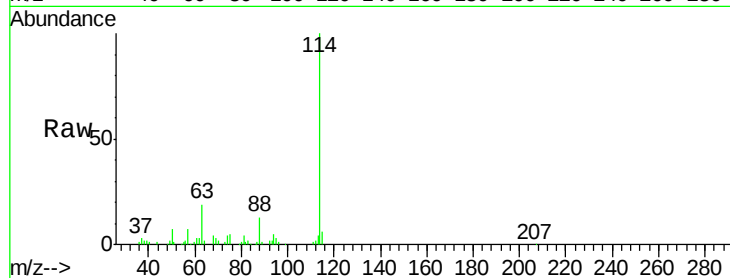




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW001134.D
 Acq: 29 Jan 2018 22:04

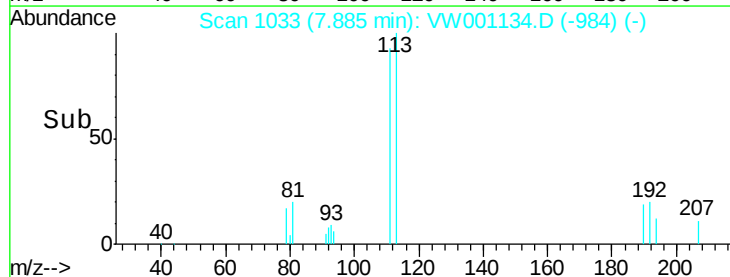
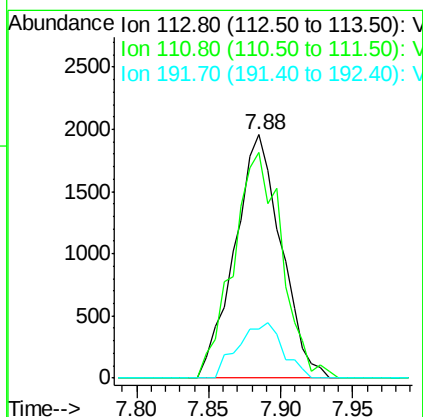
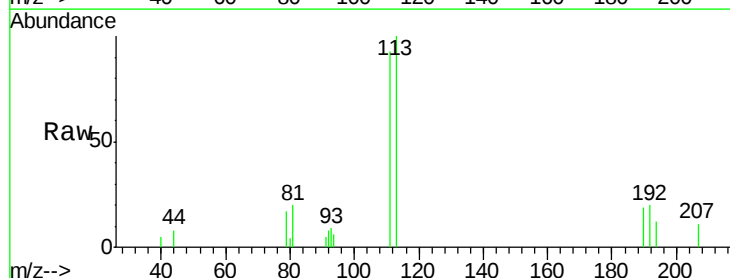
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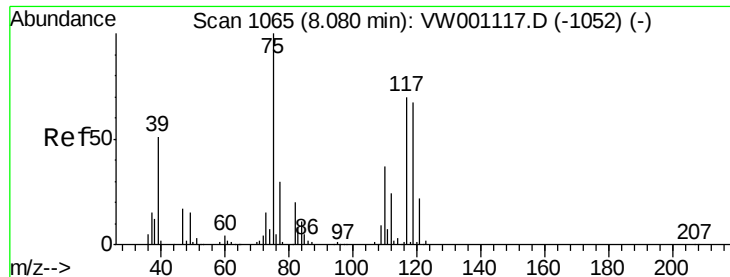
Tgt Ion:114 Resp: 38937
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.2
 88 13.5 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 17.59 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW001134.D
 Acq: 29 Jan 2018 22:04

Tgt Ion:113 Resp: 4381
 Ion Ratio Lower Upper
 113 100
 111 97.1 83.1 124.7
 192 21.8 17.8 26.6

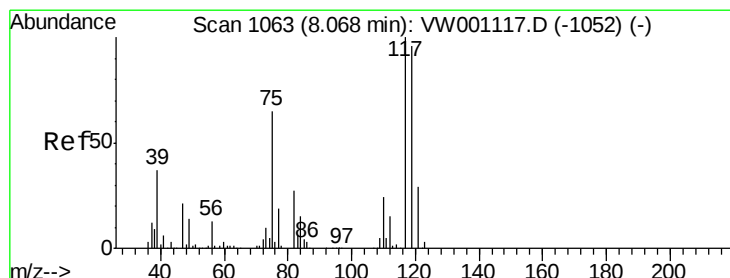
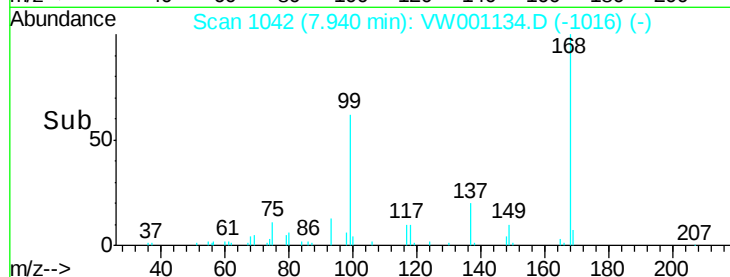
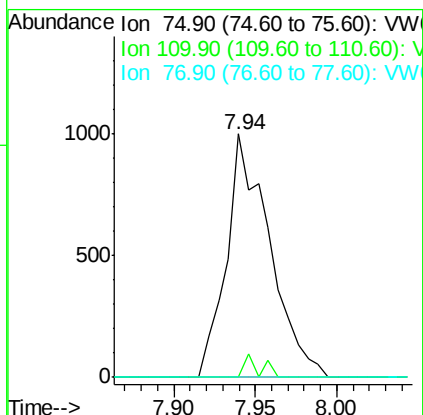
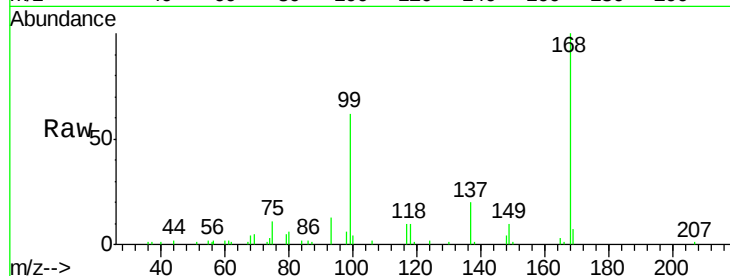




#36
 1,1-Dichloropropene
 Concen: 5.21 ug/l
 RT: 7.94 min Scan# 1042
 Delta R.T. -0.14 min
 Lab File: VW001134.D
 Acq: 29 Jan 2018 22:04

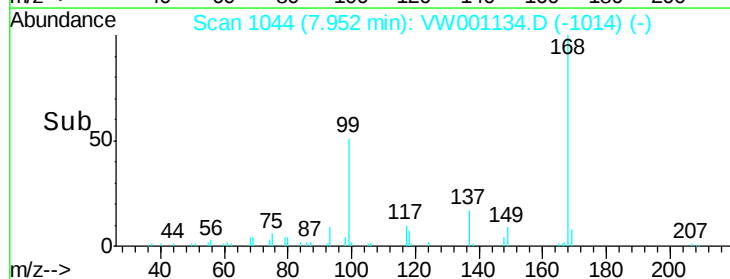
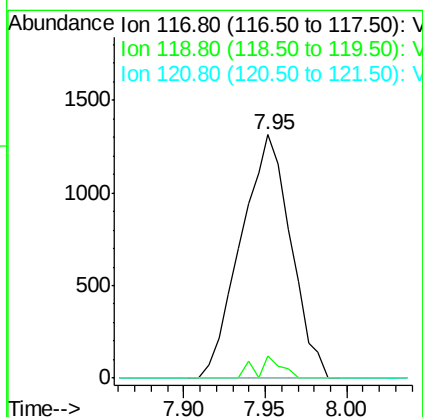
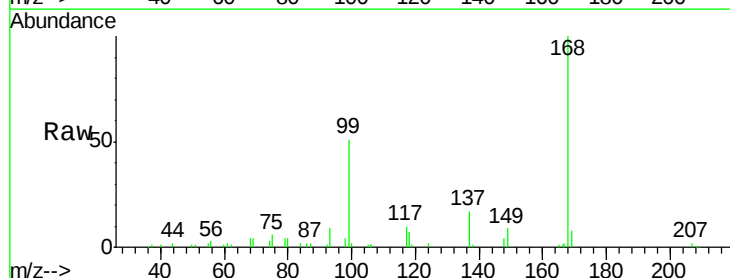
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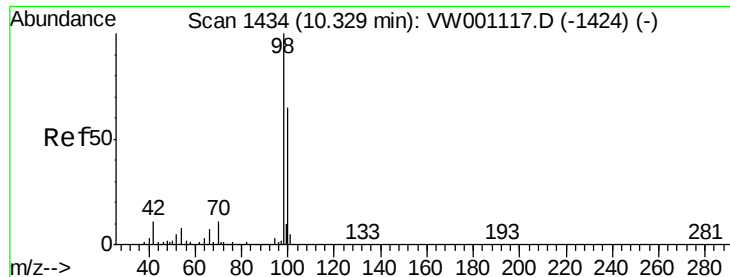
Tgt Ion: 75 Resp: 1833
 Ion Ratio Lower Upper
 75 100
 110 3.3 18.7 56.1#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.10 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW001134.D
 Acq: 29 Jan 2018 22:04

Tgt Ion: 117 Resp: 2789
 Ion Ratio Lower Upper
 117 100
 119 9.2 77.0 115.4#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 51.41 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW001134.D

Acq: 29 Jan 2018 22:04

Instrument :

MSVOA_W

ClientSampleId :

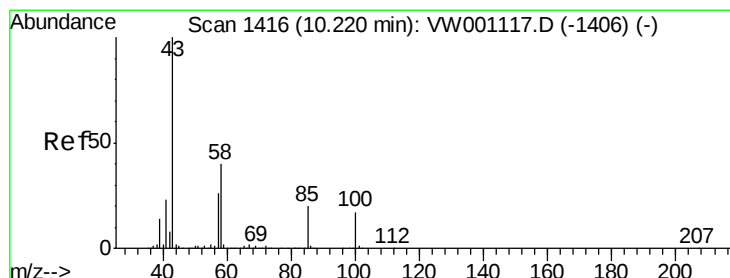
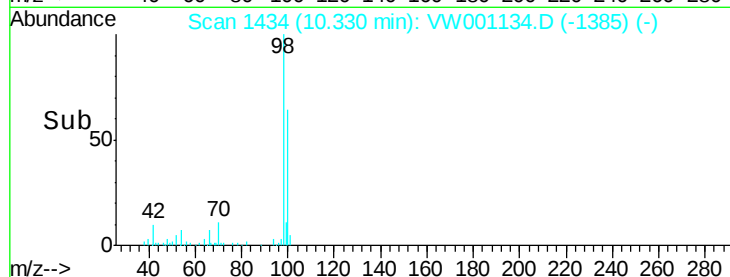
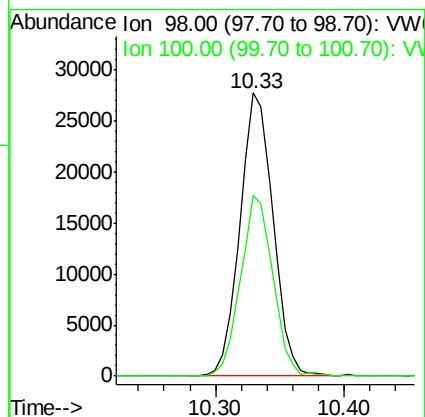
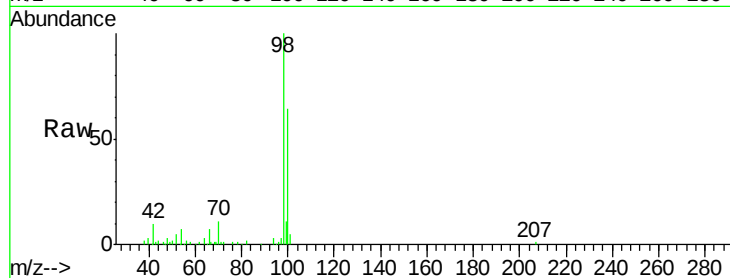
AU-06-012518-C

Tgt Ion: 98 Resp: 49277

Ion Ratio Lower Upper

98 100

100 62.3 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 1.24 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.11 min

Lab File: VW001134.D

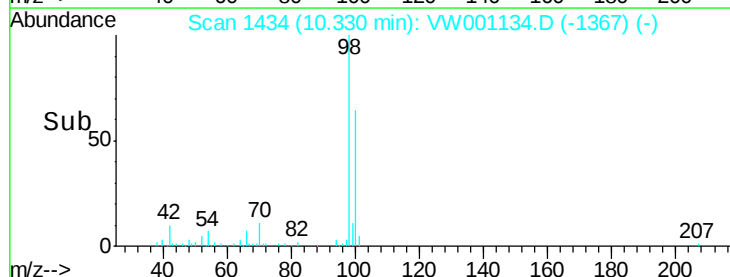
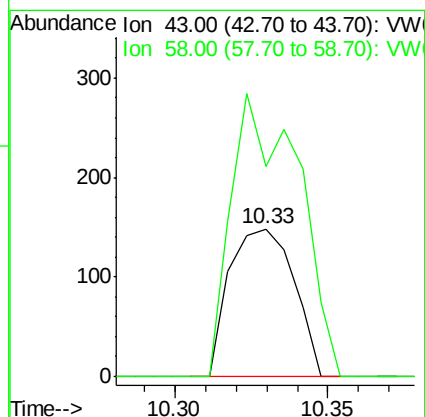
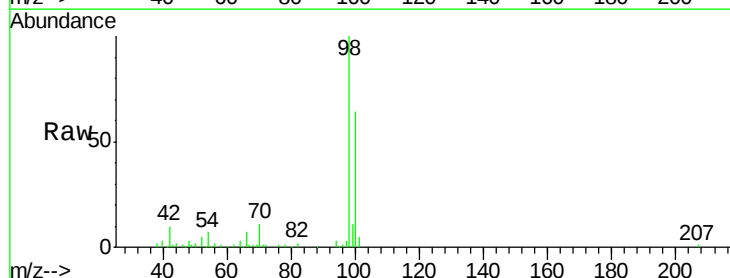
Acq: 29 Jan 2018 22:04

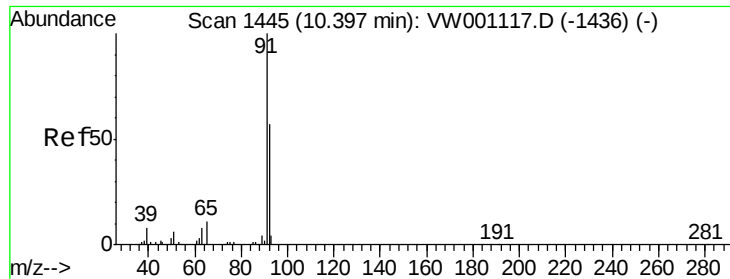
Tgt Ion: 43 Resp: 217

Ion Ratio Lower Upper

43 100

58 199.1 32.1 48.1#





#52

Toluene

Concen: 1.64 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW001134.D

Acq: 29 Jan 2018 22:04

Instrument :

MSVOA_W

ClientSampleId :

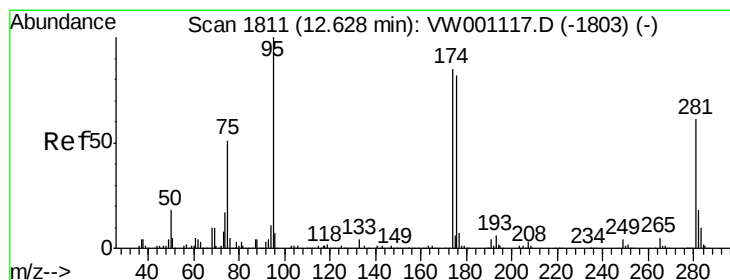
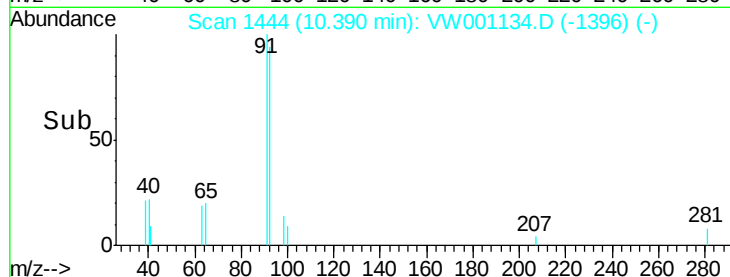
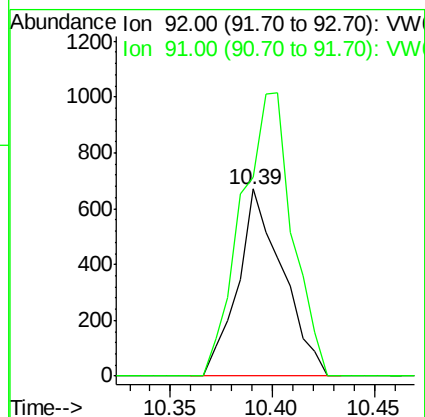
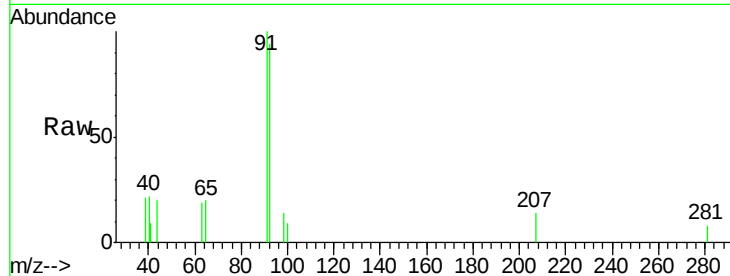
AU-06-012518-C

Tgt Ion: 92 Resp: 1028

Ion Ratio Lower Upper

92 100

91 172.3 140.6 211.0



#62

4-Bromofluorobenzene

Concen: 43.74 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW001134.D

Acq: 29 Jan 2018 22:04

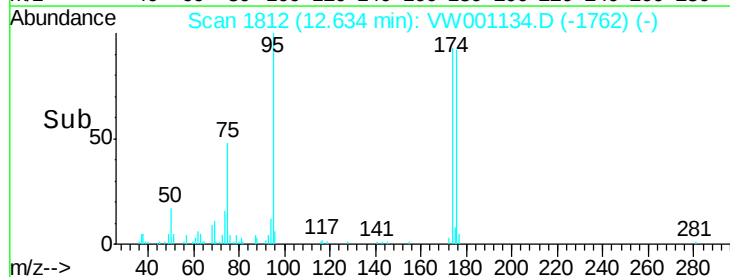
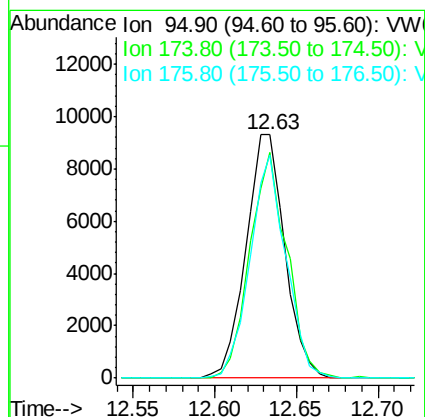
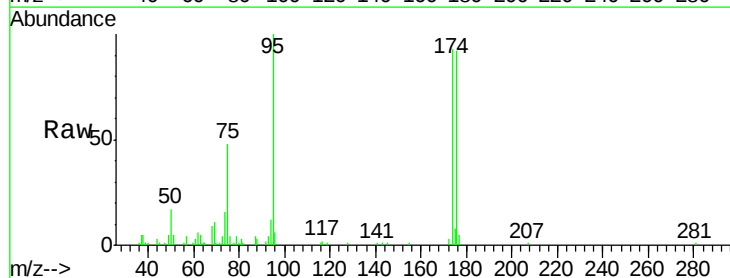
Tgt Ion: 95 Resp: 15451

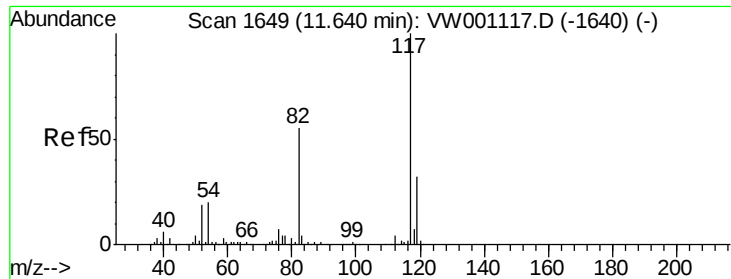
Ion Ratio Lower Upper

95 100

174 88.4 0.0 179.6

176 85.0 0.0 174.4

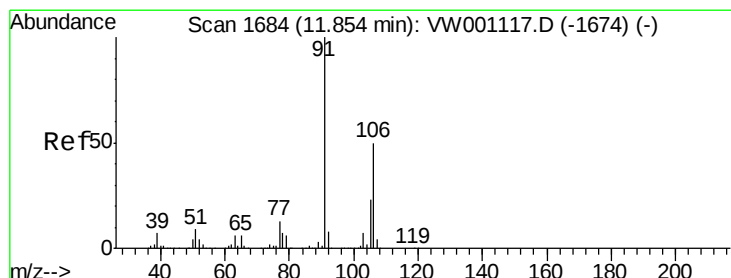
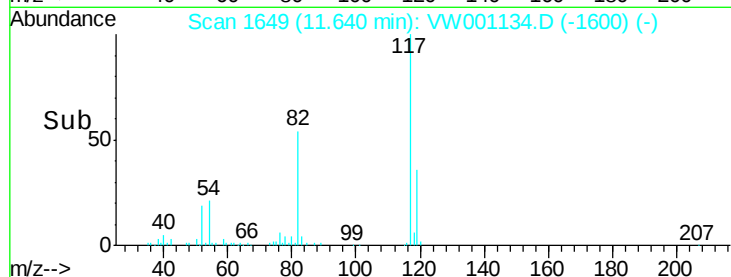
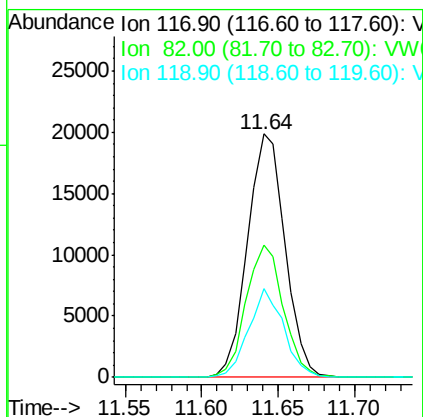
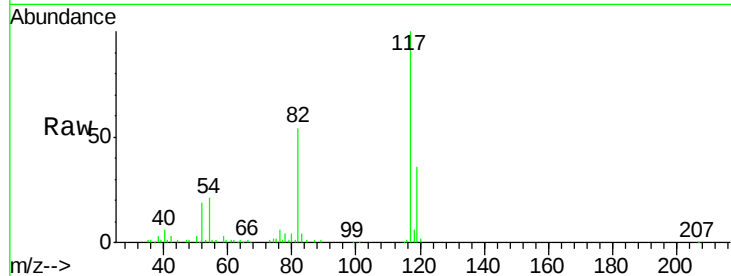




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW001134.D
Acq: 29 Jan 2018 22:04

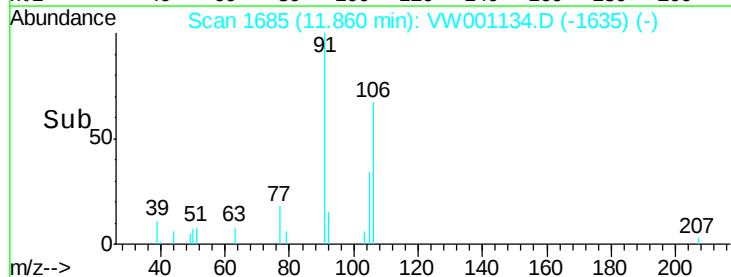
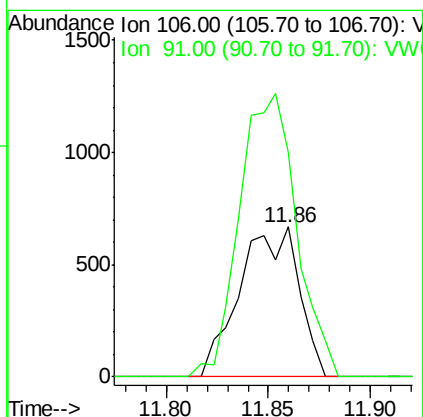
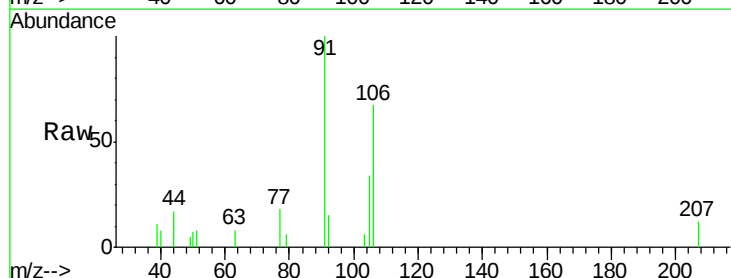
Instrument :
MSVOA_W
ClientSampleId :
AU-06-012518-C

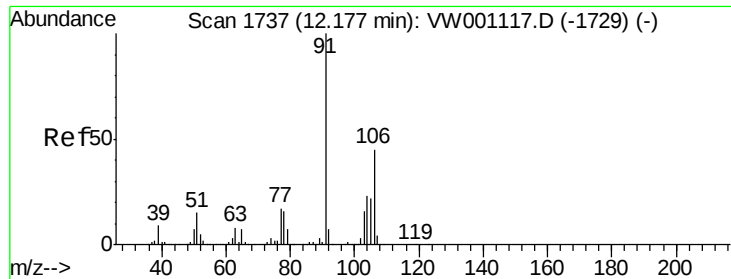
Tgt Ion:117 Resp: 33875
Ion Ratio Lower Upper
117 100
82 54.4 43.8 65.8
119 36.4 25.8 38.8



#68
m/p-Xylenes
Concen: 3.03 ug/l
RT: 11.86 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW001134.D
Acq: 29 Jan 2018 22:04

Tgt Ion:106 Resp: 1345
Ion Ratio Lower Upper
106 100
91 181.9 163.1 244.7

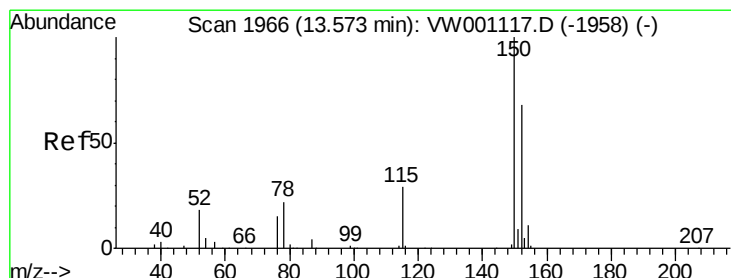
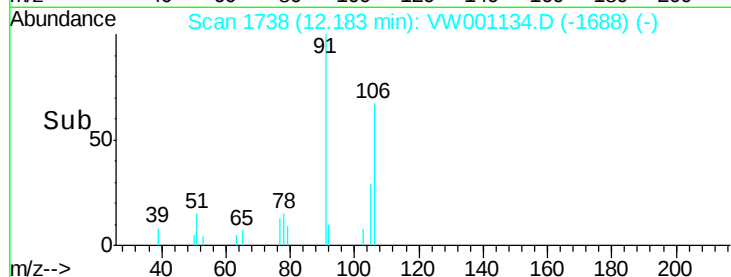
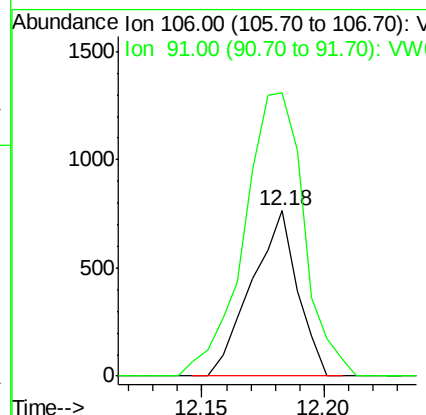
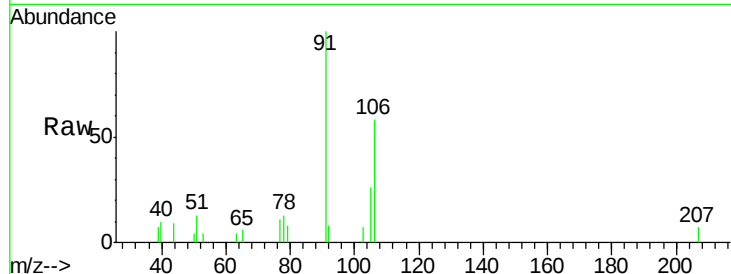




#69
o-Xylene
Concen: 2.45 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VW001134.D
Acq: 29 Jan 2018 22:04

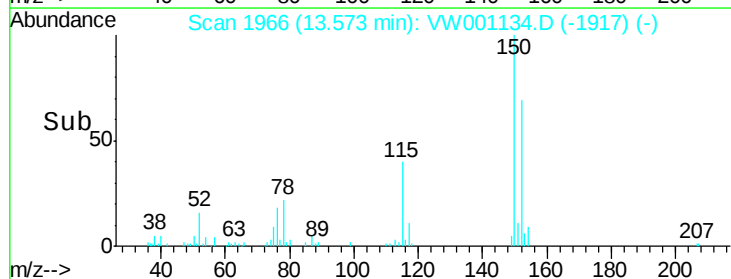
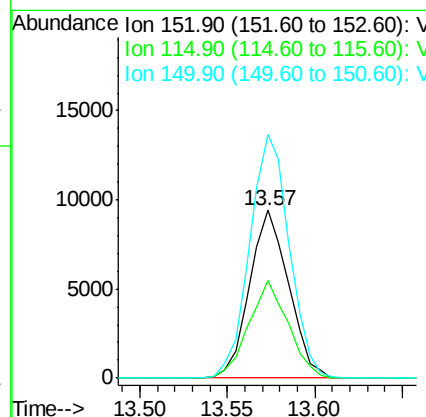
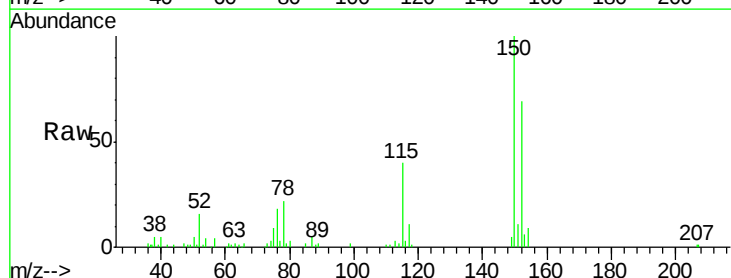
Instrument :
MSVOA_W
ClientSampleId :
AU-06-012518-C

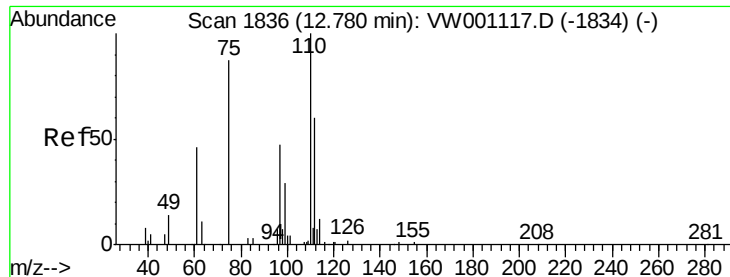
Tgt Ion:106 Resp: 1003
Ion Ratio Lower Upper
106 100
91 222.7 107.6 322.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VW001134.D
Acq: 29 Jan 2018 22:04

Tgt Ion:152 Resp: 14634
Ion Ratio Lower Upper
152 100
115 58.6 28.4 85.3
150 147.0 0.0 342.4





#76

1,2,3-Trichloropropane

Concen: 53.23 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW001134.D

Acq: 29 Jan 2018 22:04

Instrument :

MSVOA_W

ClientSampleId :

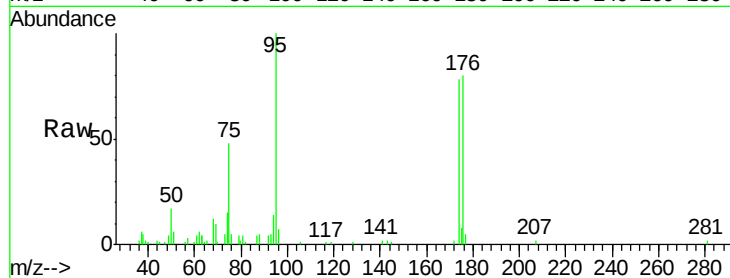
AU-06-012518-C

Tgt Ion: 75 Resp: 7895

Ion Ratio Lower Upper

75 100

77 0.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.63

5000

4000

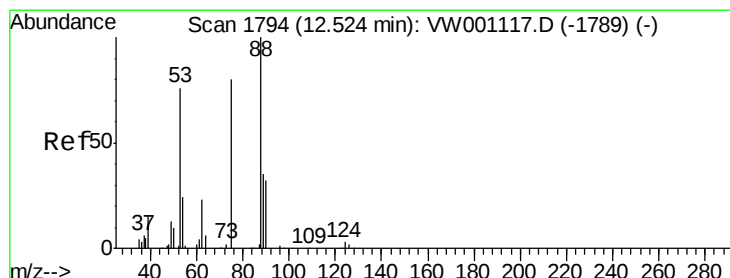
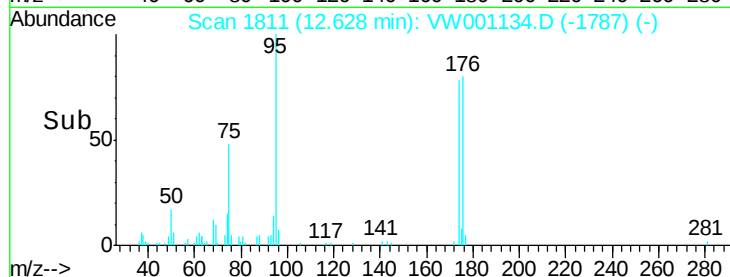
3000

2000

1000

0

Time--> 12.55 12.60 12.65



#81

trans-1,4-Dichloro-2-butene

Concen: 139.97 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW001134.D

Acq: 29 Jan 2018 22:04

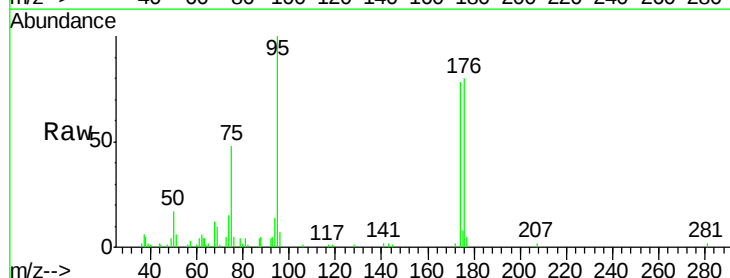
Tgt Ion: 75 Resp: 7895

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

12.63

6000

5000

4000

3000

2000

1000

0

Time--> 12.55 12.60 12.65

