

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW004013.D
 Acq On : 18 Jul 2018 05:36
 Operator : VA/AP
 Sample : J3829-01RE
 Misc : 6.92G/5ML/MSVOA W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-071318-ARE

Quant Time: Jul 18 07:44:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	168657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	300557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	256413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	106046	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	121017	64.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.38%	
35) Dibromofluoromethane	7.89	113	106117	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
50) Toluene-d8	10.33	98	337837	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	
62) 4-Bromofluorobenzene	12.63	95	109334	40.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.04%	

Target Compounds

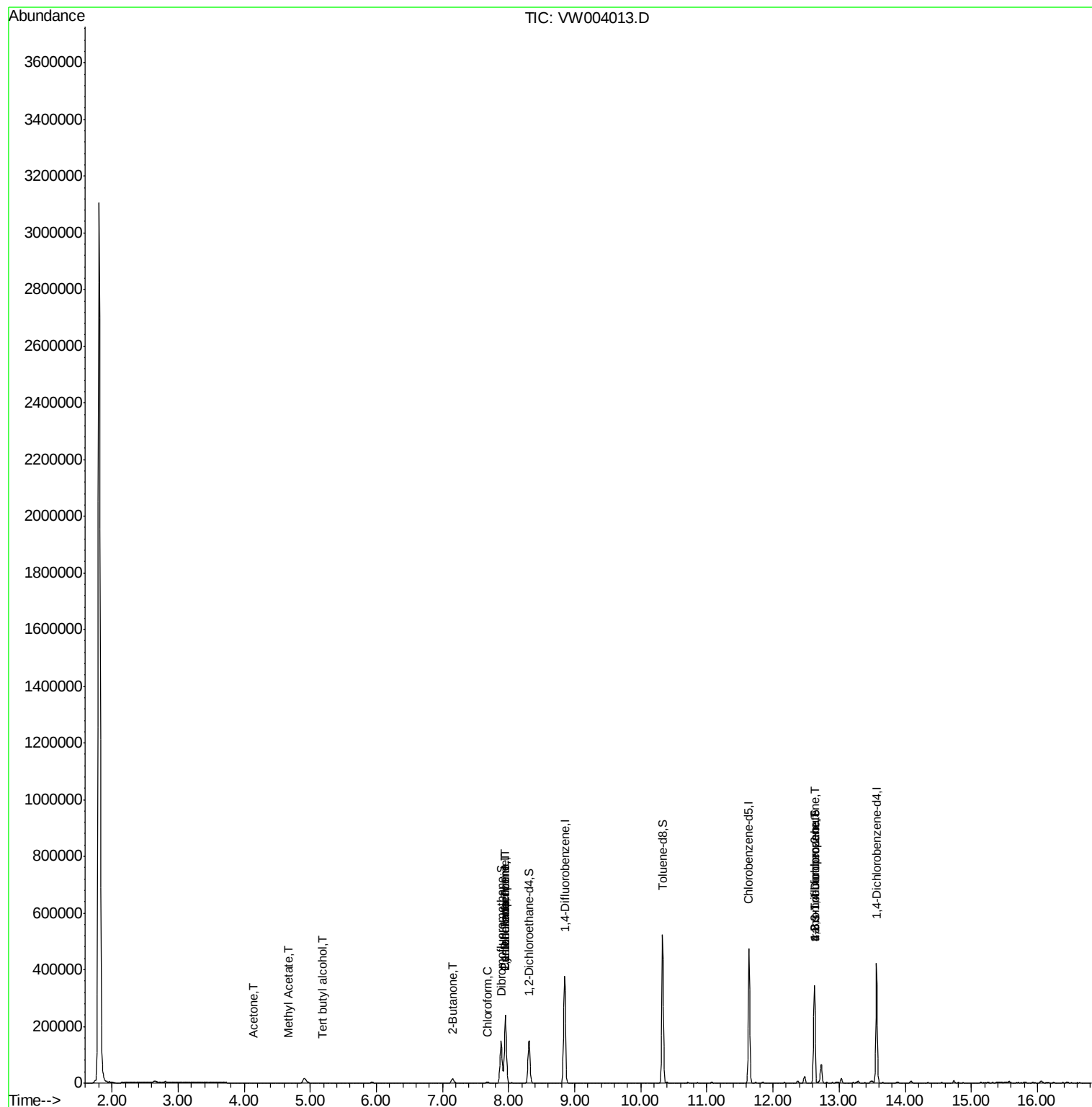
					Qvalue
11) Tert butyl alcohol	5.18	59	412	3.166 ug/l #	72
16) Acetone	4.14	43	1008	2.225 ug/l	97
18) Methyl Acetate	4.67	43	1195	1.099 ug/l #	54
20) Methylene Chloride	4.91	84	14064	Below Cal	94
25) 2-Butanone	7.16	43	1281	2.101 ug/l #	51
30) Chloroform	7.68	83	4258	1.283 ug/l #	78
31) Cyclohexane	7.95	56	4458	1.425 ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14380	4.650 ug/l #	49
38) Carbon Tetrachloride	7.95	117	17311	5.991 ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	57059	54.198 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57059	119.884 ug/l #	11

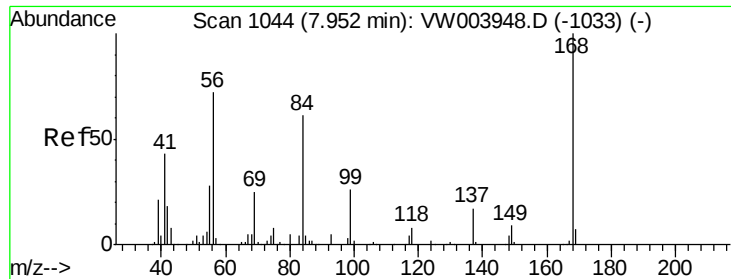
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004013.D

Acq: 18 Jul 2018 05:36

Instrument :

MSVOA_W

ClientSampleId :

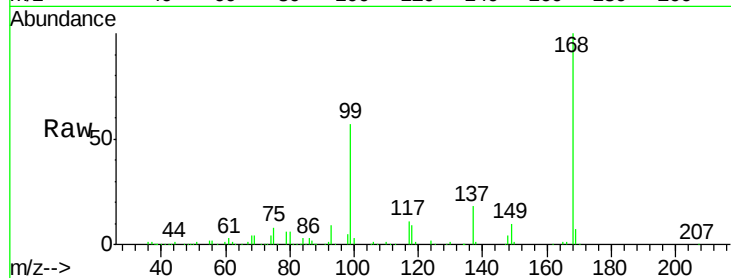
PL-01-071318-ARE

Tot Ion:168 Resp: 168657

Ion Ratio Lower Upper

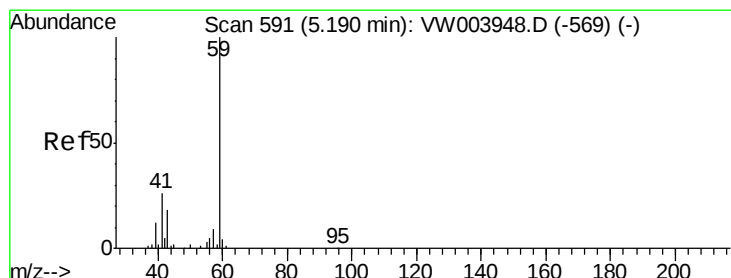
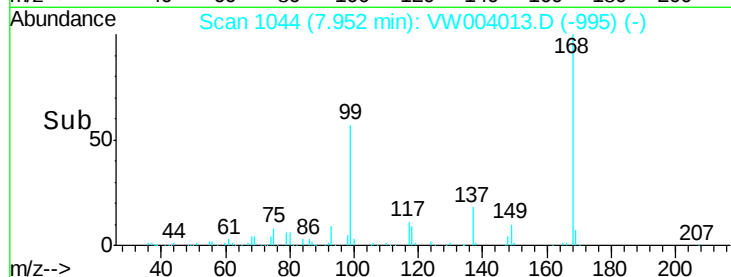
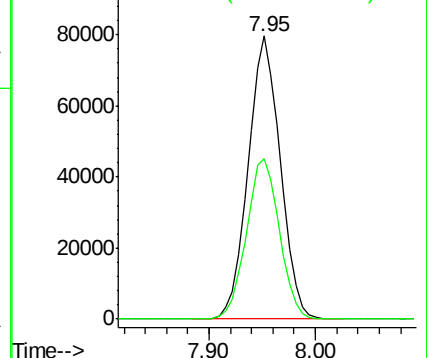
168 100

99 56.6 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.166 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.01 min

Lab File: VW004013.D

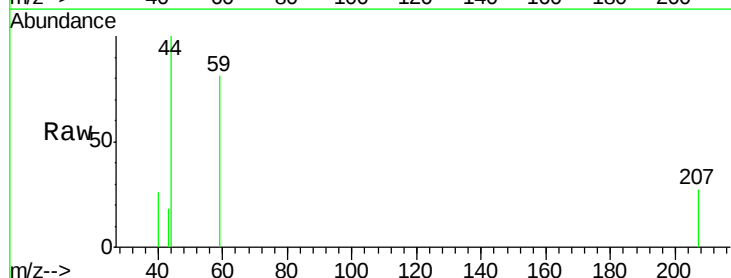
Acq: 18 Jul 2018 05:36

Tgt Ion: 59 Resp: 412

Ion Ratio Lower Upper

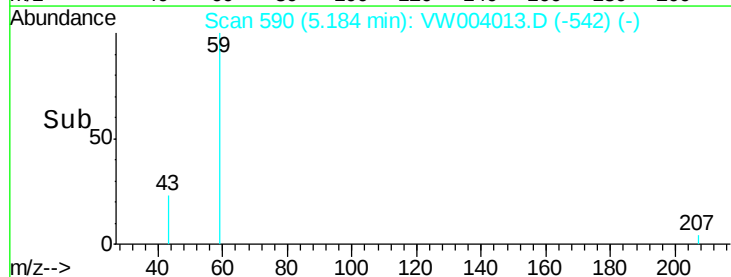
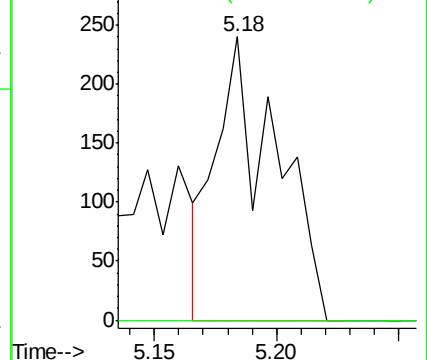
59 100

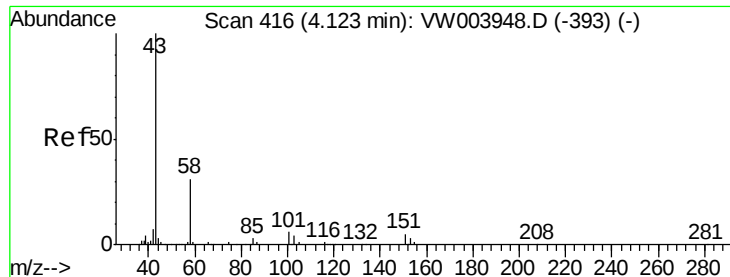
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 2.225 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW004013.D

Acq: 18 Jul 2018 05:36

Instrument :

MSVOA_W

ClientSampleId :

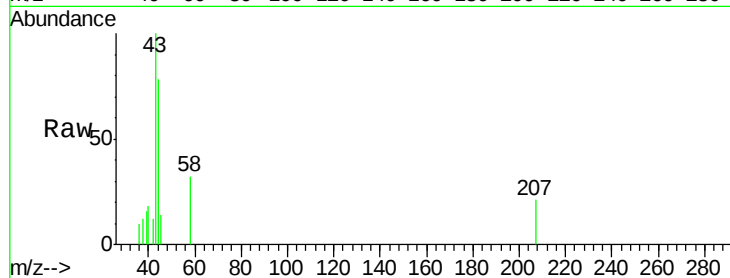
PL-01-071318-ARE

Tot Ion: 43 Resp: 1008

Ion Ratio Lower Upper

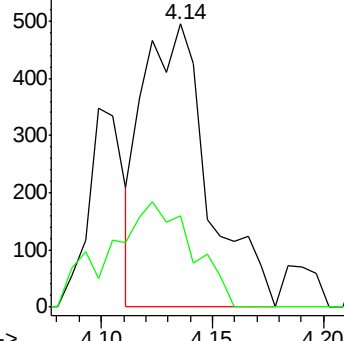
43 100

58 32.1 24.5 36.7

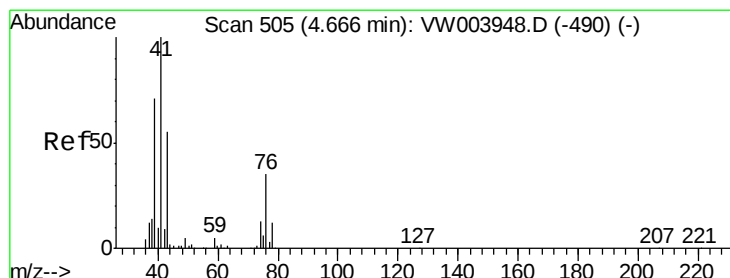
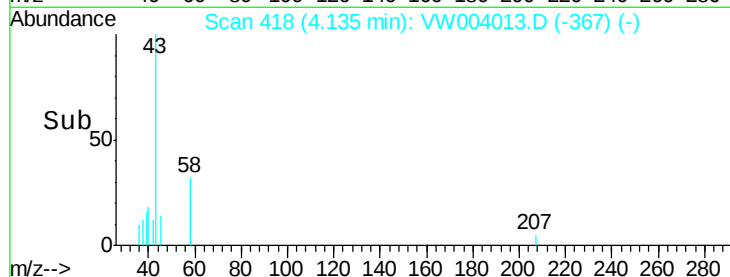


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#18

Methyl Acetate

Concen: 1.099 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW004013.D

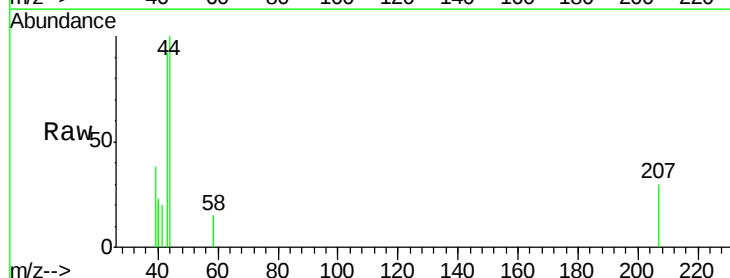
Acq: 18 Jul 2018 05:36

Tgt Ion: 43 Resp: 1195

Ion Ratio Lower Upper

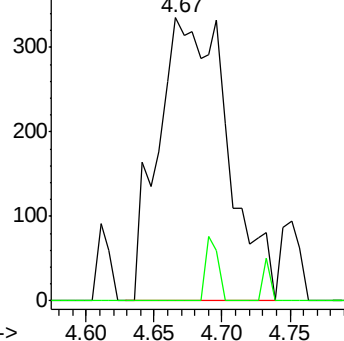
43 100

74 0.0 17.7 26.5#

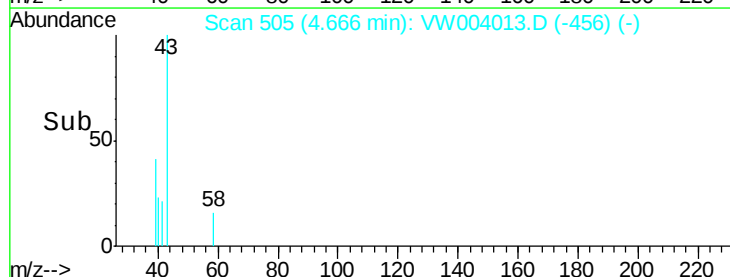


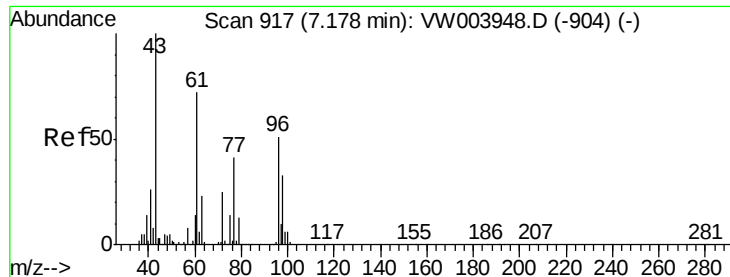
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



Time-->





#25

2-Butanone

Concen: 2.101 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.02 min

Lab File: VW004013.D

Acq: 18 Jul 2018 05:36

Instrument :

MSVOA_W

ClientSampleId :

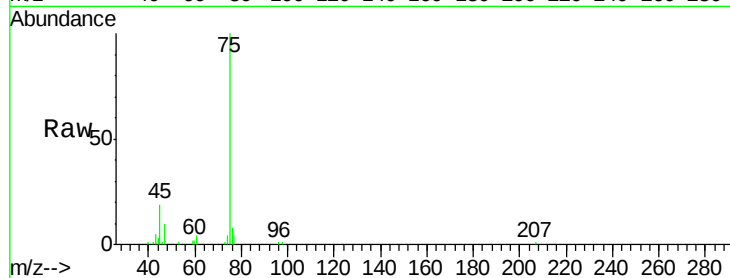
PL-01-071318-ARE

Tot Ion: 43 Resp: 1281

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.16

400

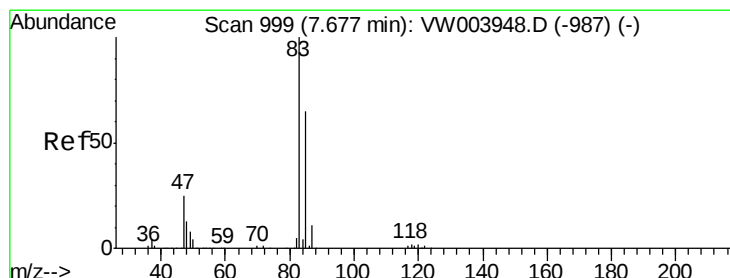
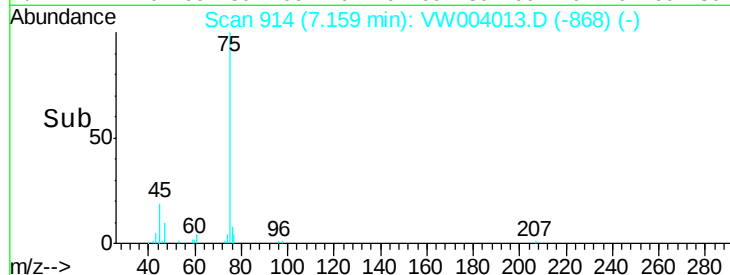
300

200

100

0

Time--> 7.05 7.10 7.15 7.20 7.25



#30

Chloroform

Concen: 1.283 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004013.D

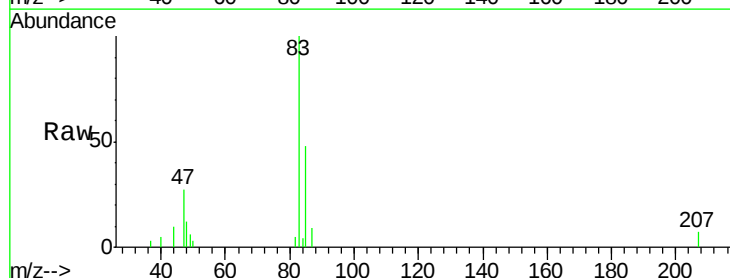
Acq: 18 Jul 2018 05:36

Tgt Ion: 83 Resp: 4258

Ion Ratio Lower Upper

83 100

85 47.6 52.2 78.4#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

7.68

2000

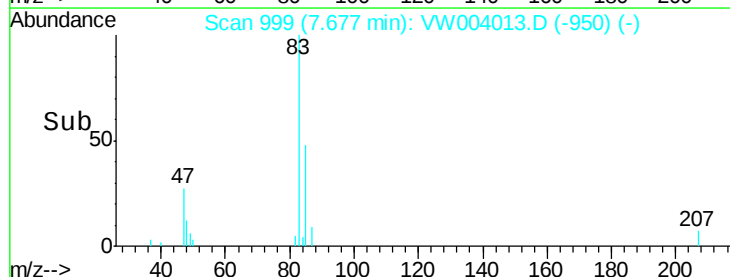
1500

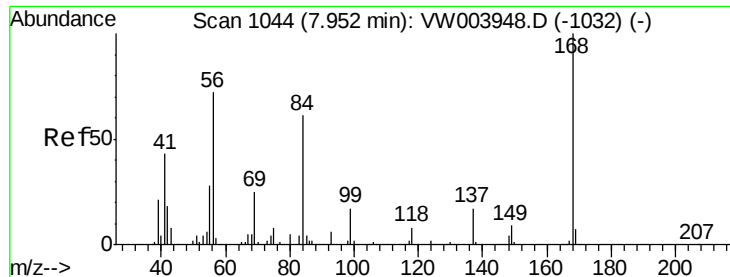
1000

500

0

Time--> 7.60 7.65 7.70 7.75

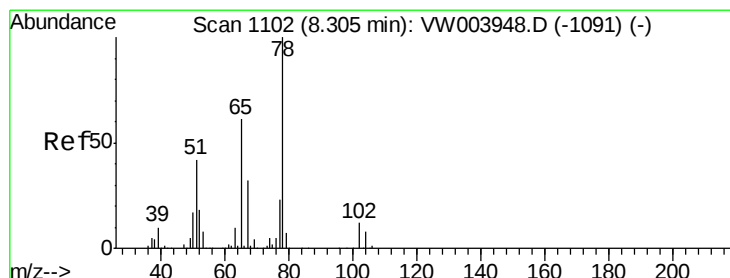
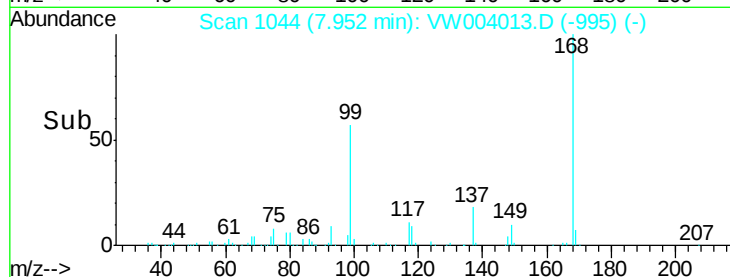
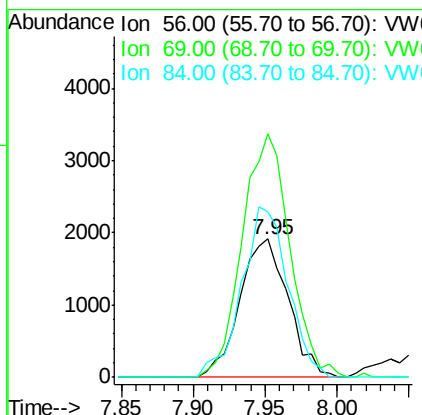
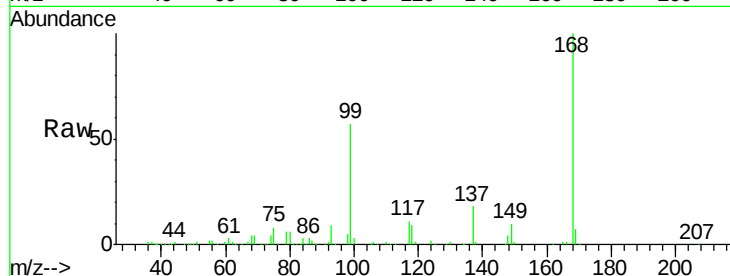




#31
Cyclohexane
Concen: 1.425 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW004013.D
Acq: 18 Jul 2018 05:36

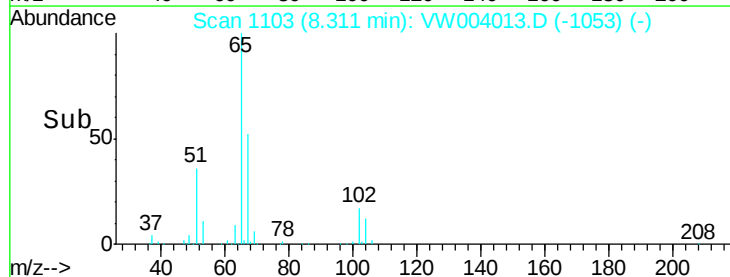
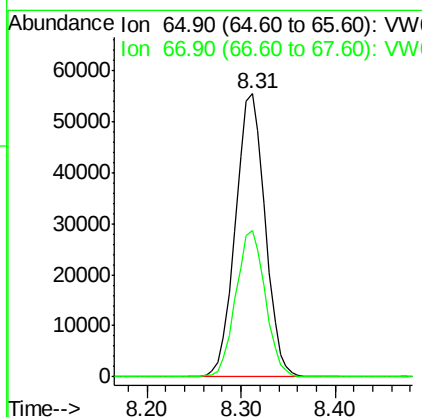
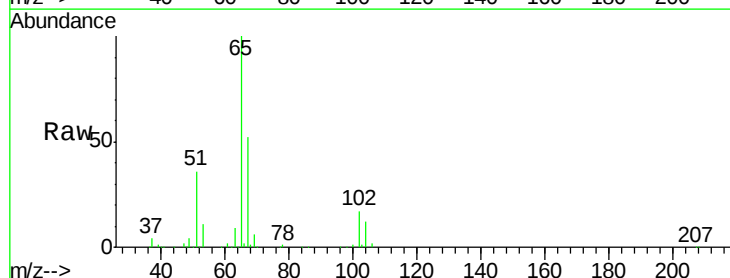
Instrument :
MSVOA_W
ClientSampleId :
PL-01-071318-ARE

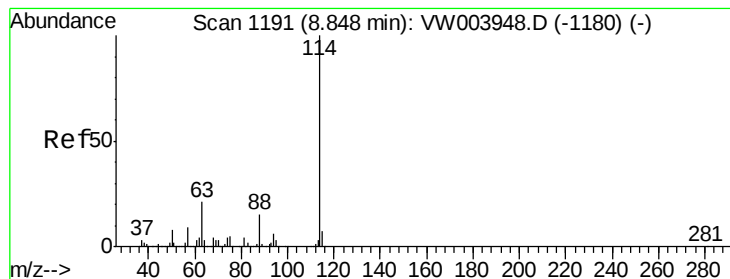
Tot Ion: 56 Resp: 4458
Ion Ratio Lower Upper
56 100
69 176.1 27.8 41.8#
84 119.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 64.192 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW004013.D
Acq: 18 Jul 2018 05:36

Tgt Ion: 65 Resp: 121017
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004013.D

Acq: 18 Jul 2018 05:36

Instrument :

MSVOA_W

ClientSampleId :

PL-01-071318-ARE

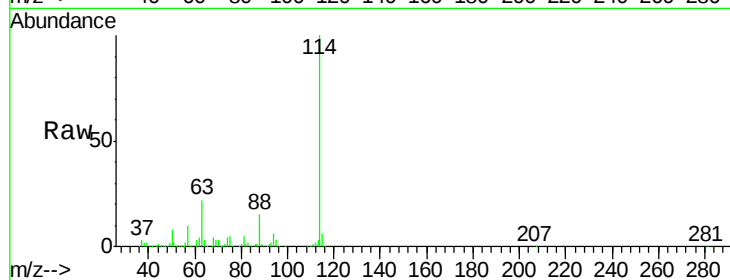
Tot Ion:114 Resp: 300557

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.8

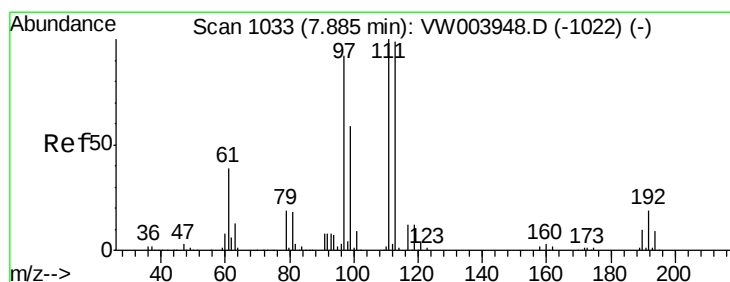
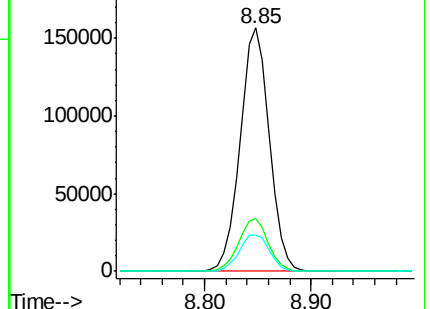
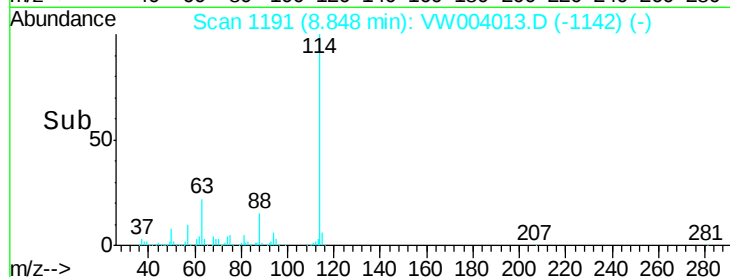
88 15.1 0.0 30.4



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: 55.027 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004013.D

Acq: 18 Jul 2018 05:36

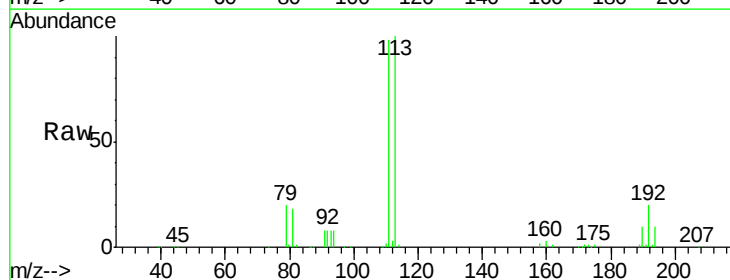
Tgt Ion:113 Resp: 106117

Ion Ratio Lower Upper

113 100

111 101.2 81.3 121.9

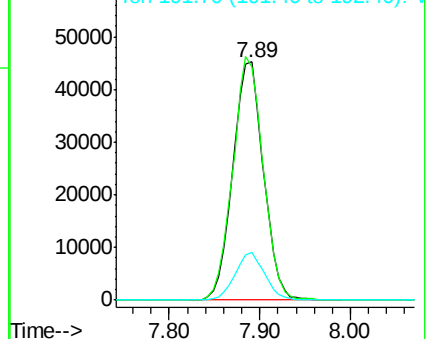
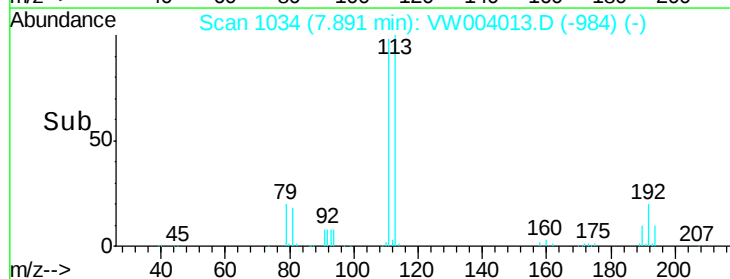
192 19.2 15.8 23.6

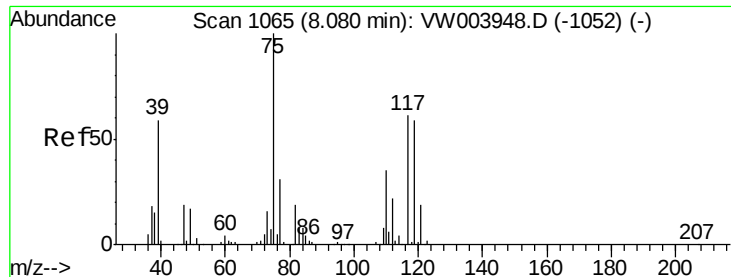


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.650 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004013.D

Acq: 18 Jul 2018 05:36

Instrument :

MSVOA_W

ClientSampleId :

PL-01-071318-ARE

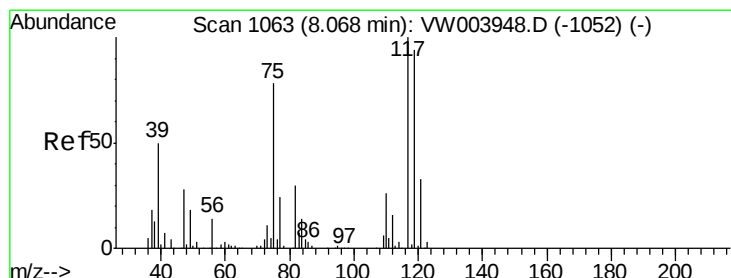
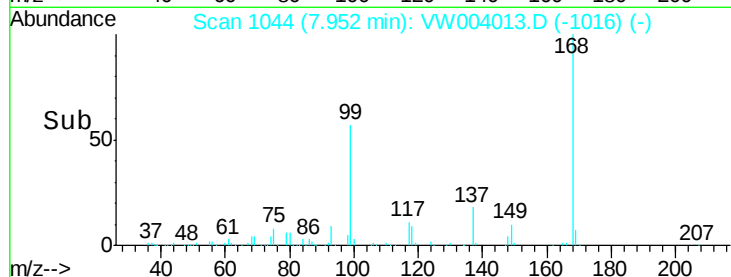
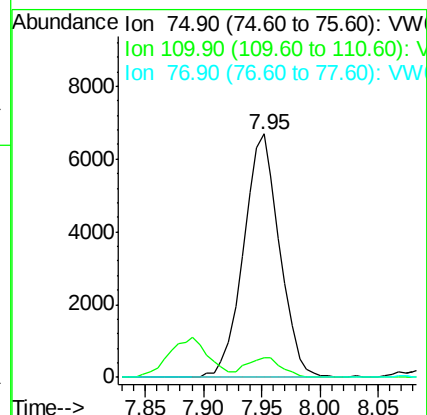
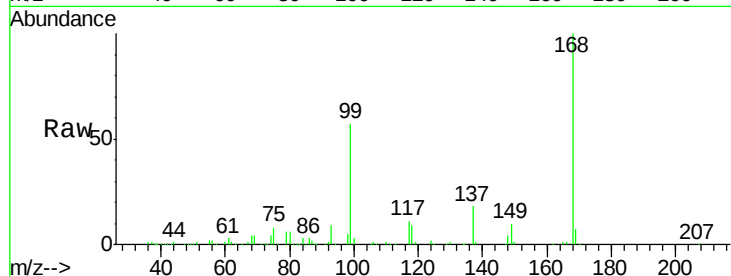
Tot Ion: 75 Resp: 14380

Ion Ratio Lower Upper

75 100

110 7.7 17.0 51.0#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.991 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004013.D

Acq: 18 Jul 2018 05:36

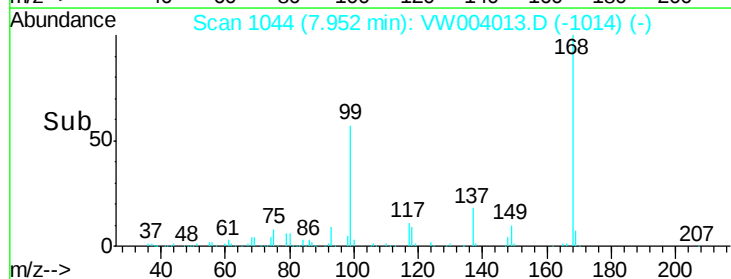
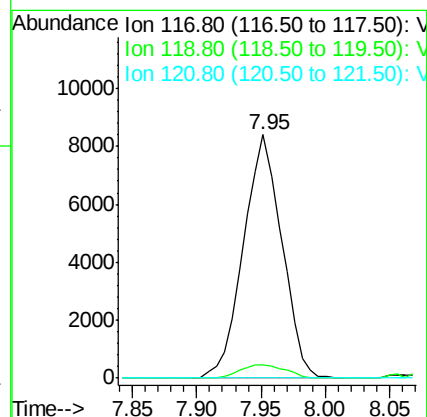
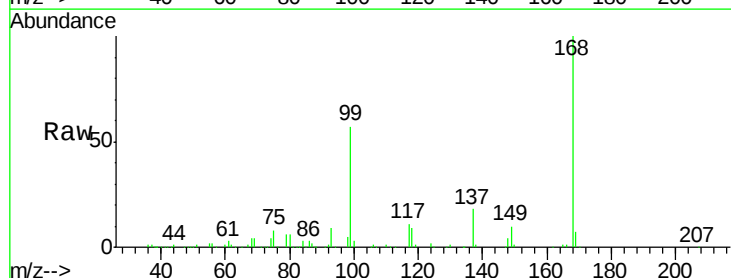
Tgt Ion: 117 Resp: 17311

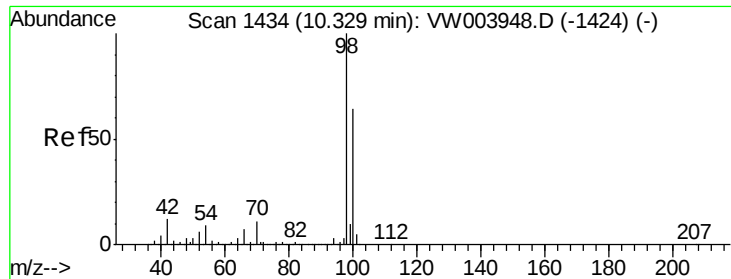
Ion Ratio Lower Upper

117 100

119 5.3 75.3 112.9#

121 0.0 26.0 39.0#





#50

Toluene-d8

Concen: 45.148 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004013.D

Acq: 18 Jul 2018 05:36

Instrument :

MSVOA_W

ClientSampleId :

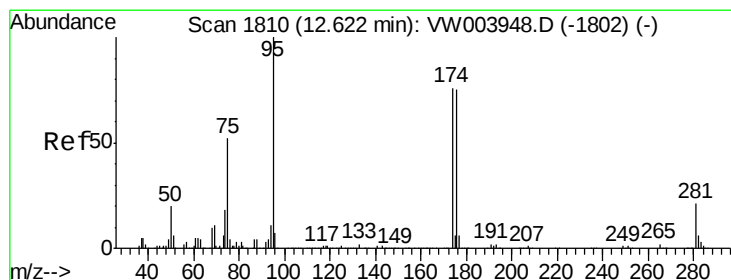
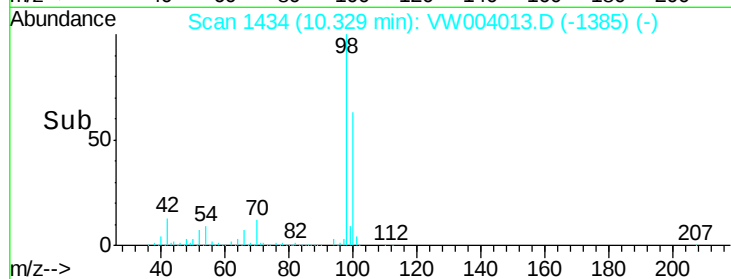
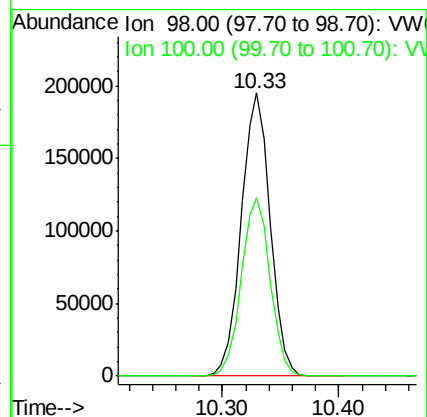
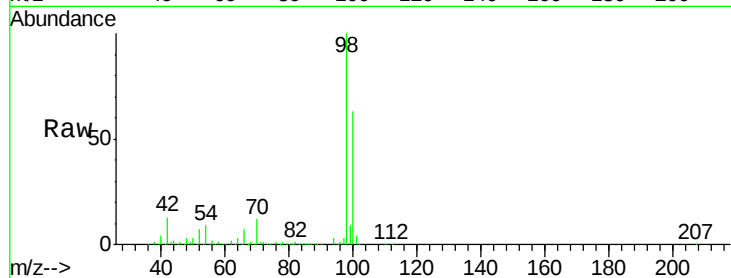
PL-01-071318-ARE

Tot Ion: 98 Resp: 337837

Ion Ratio Lower Upper

98 100

100 63.0 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 40.519 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW004013.D

Acq: 18 Jul 2018 05:36

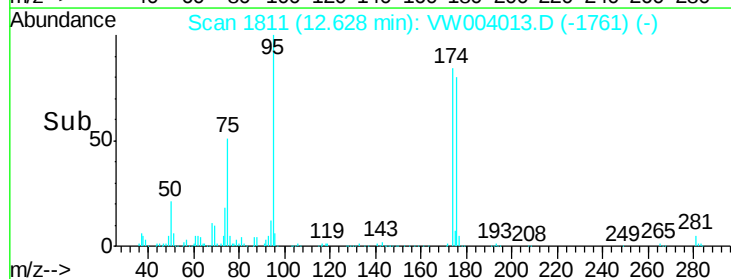
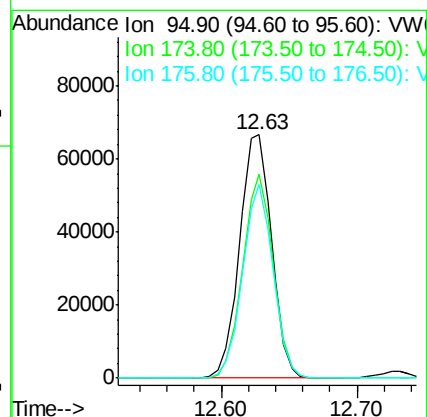
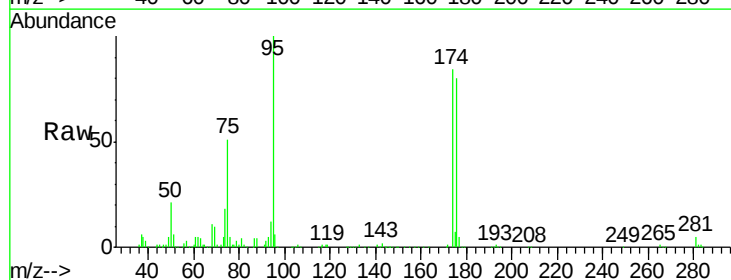
Tgt Ion: 95 Resp: 109334

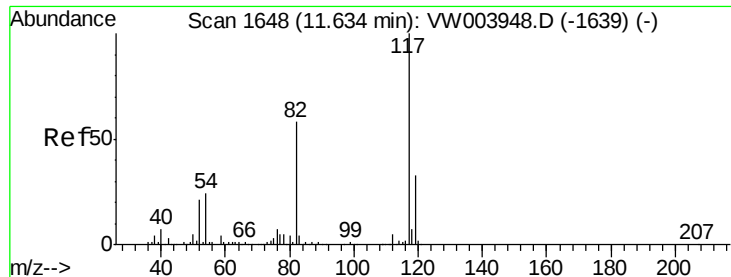
Ion Ratio Lower Upper

95 100

174 79.8 0.0 160.2

176 75.6 0.0 155.8

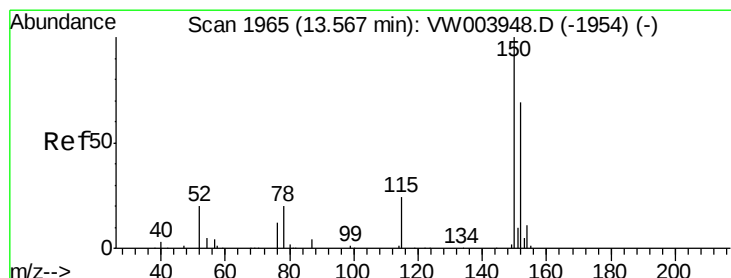
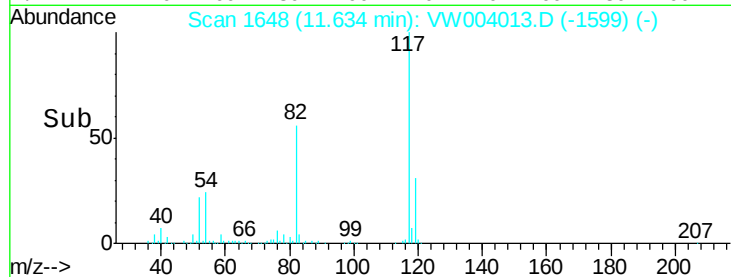
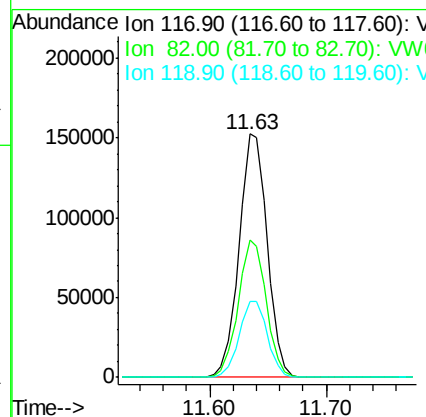
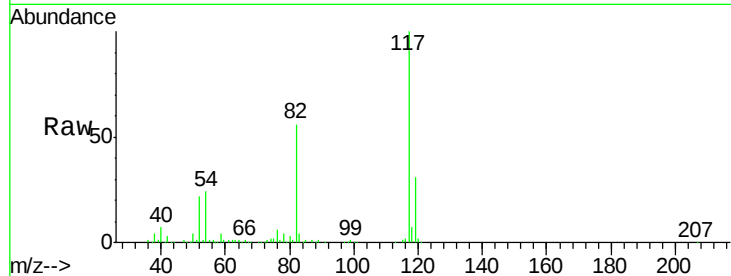




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004013.D
Acq: 18 Jul 2018 05:36

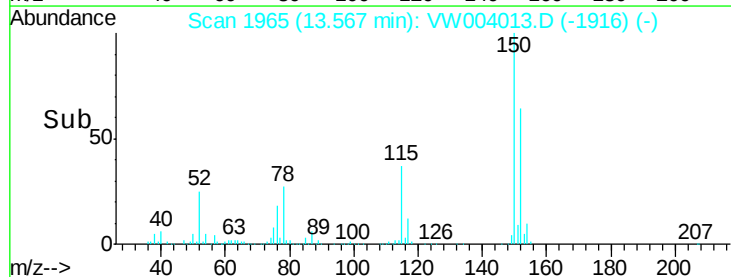
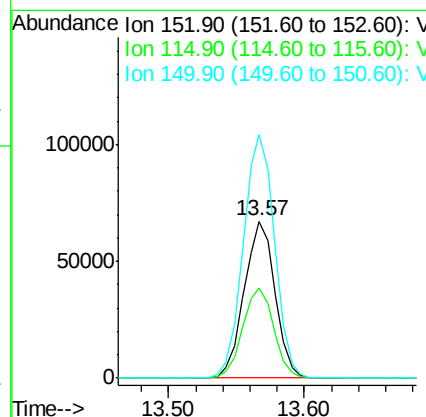
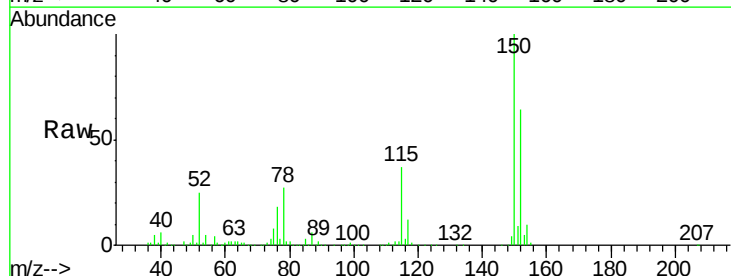
Instrument :
MSVOA_W
ClientSampleId :
PL-01-071318-ARE

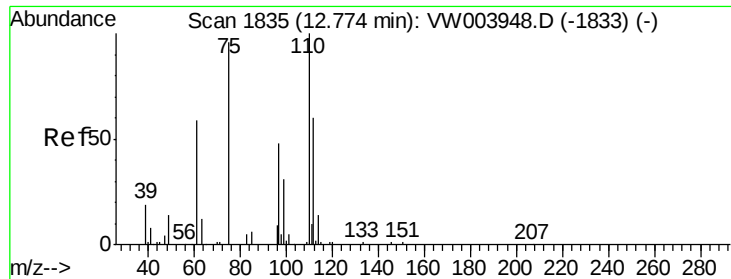
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.5	69.7
119	31.0	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004013.D
Acq: 18 Jul 2018 05:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.2	87.6
150	157.4	0.0	345.2





#76

1,2,3-Trichloropropane

Concen: 54.198 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004013.D

Acq: 18 Jul 2018 05:36

Instrument :

MSVOA_W

ClientSampleId :

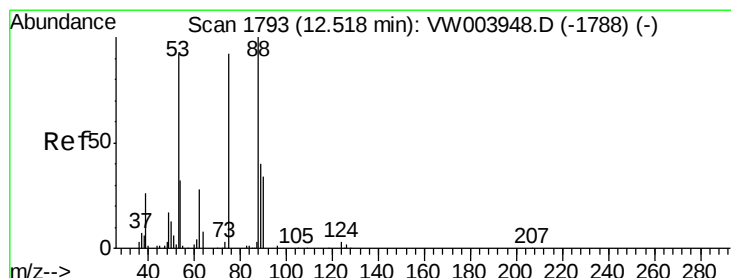
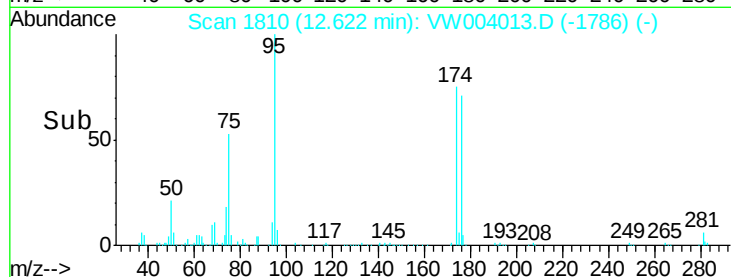
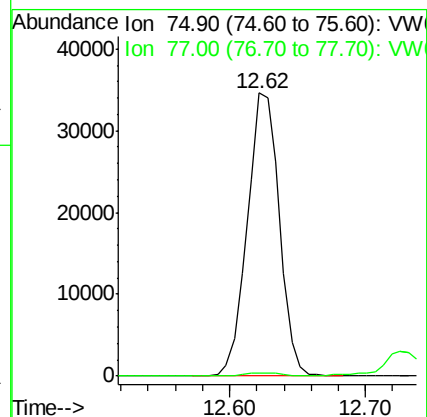
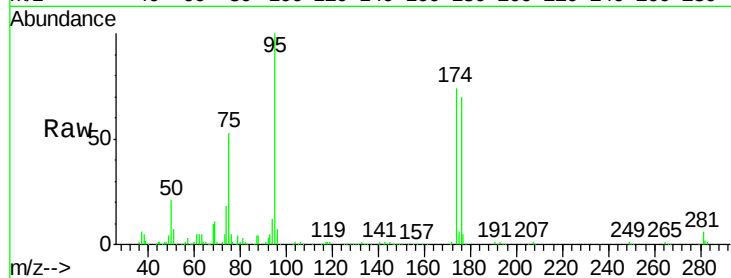
PL-01-071318-ARE

Tot Ion: 75 Resp: 57059

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 119.884 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004013.D

Acq: 18 Jul 2018 05:36

Tgt Ion: 75 Resp: 57059

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 36.6 54.8#

