

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW050818\
 Data File : VW002316.D
 Acq On : 09 May 2018 02:04
 Operator : JC/SY
 Sample : J2680-03
 Misc : 5.55G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-050418-B

Quant Time: May 09 08:32:54 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	200726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	311863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	236799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	78618	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	86223	40.45	ug/l	0.00
Spiked Amount			Recovery	=	80.90%	
35) Dibromofluoromethane	7.88	113	85906	42.98	ug/l	0.00
Spiked Amount			Recovery	=	85.96%	
50) Toluene-d8	10.33	98	271527	35.62	ug/l	0.00
Spiked Amount			Recovery	=	71.24%	
62) 4-Bromofluorobenzene	12.63	95	77636	28.18	ug/l	0.00
Spiked Amount			Recovery	=	56.36%	

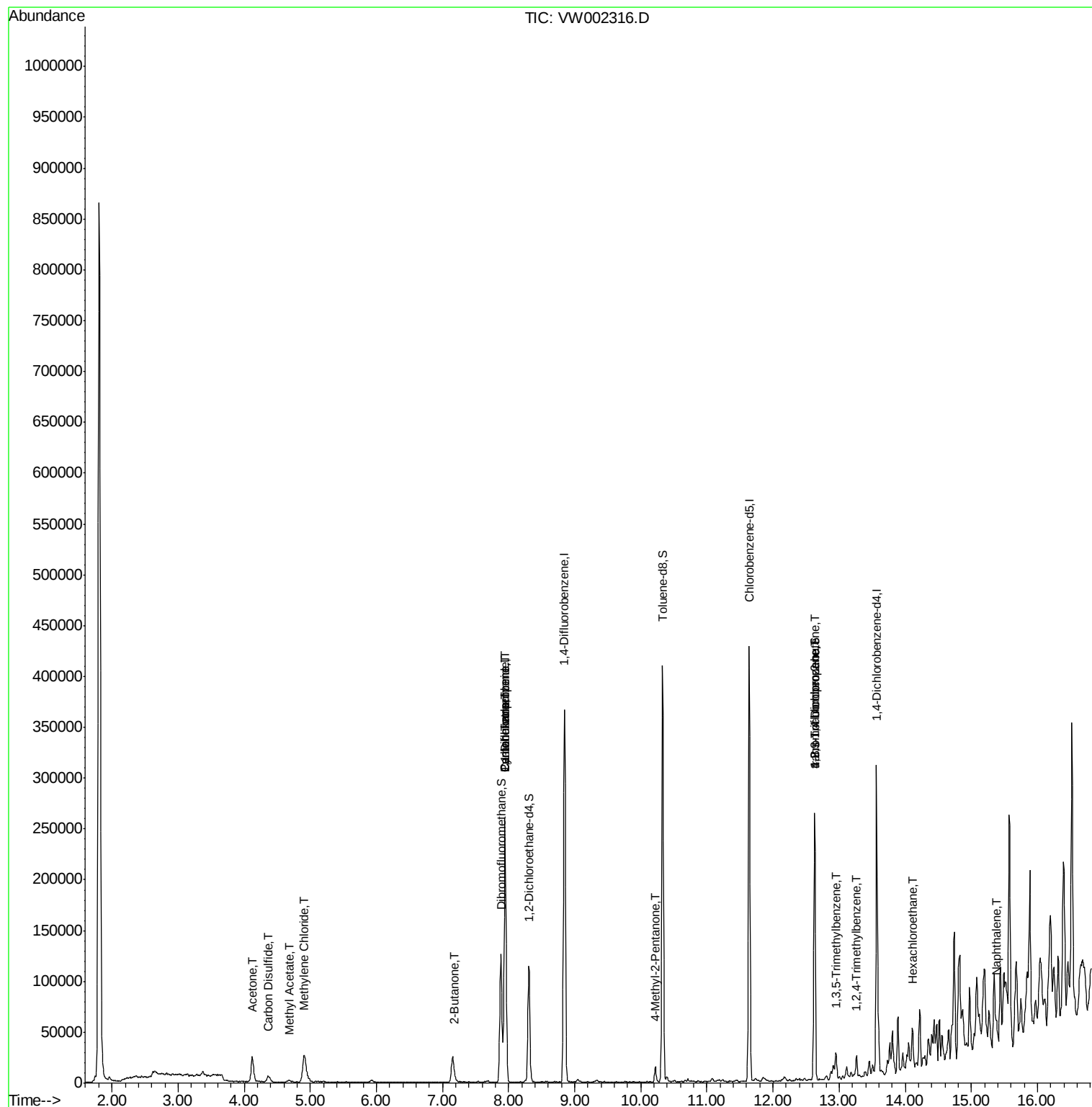
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	40477	97.23	ug/l	92
17) Carbon Disulfide	4.36	76	13841	2.62	ug/l	97
18) Methyl Acetate	4.67	43	3325	2.66	ug/l	100
20) Methylene Chloride	4.92	84	24958	12.44	ug/l	93
25) 2-Butanone	7.18	43	3613	5.85	ug/l	96
31) Cyclohexane	7.95	56	4603	1.45	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	14738	5.23	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18270	6.70	ug/l #	14
51) 4-Methyl-2-Pentanone	10.22	43	10590	7.36	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	40266	57.76	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.95	105	8084	1.88	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.63	75	40266	152.14	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	11403	2.56	ug/l	94
90) Hexachloroethane	14.11	117	2305	2.73	ug/l #	7
95) Naphthalene	15.38	128	6647	2.19	ug/l #	87

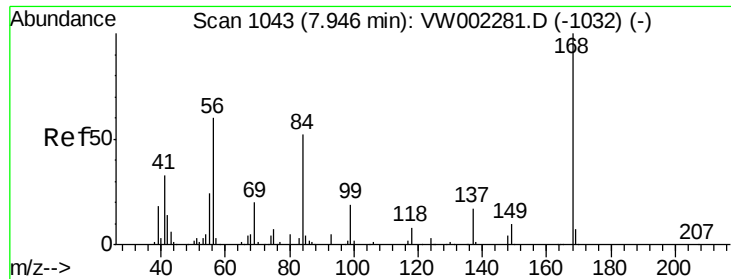
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW050818\
Data File : VW002316.D
Acq On : 09 May 2018 02:04
Operator : JC/SY
Sample : J2680-03
Misc : 5.55G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PL-02-050418-B

Quant Time: May 09 08:32:54 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
Quant Title : SW846 8260
QLast Update : Tue May 08 03:57:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002316.D

Acq: 09 May 2018 02:04

Instrument :

MSVOA_W

ClientSampleId :

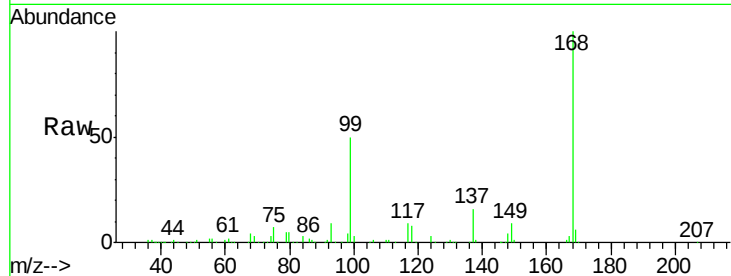
PL-02-050418-B

Tgt Ion:168 Resp: 200726

Ion Ratio Lower Upper

168 100

99 50.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

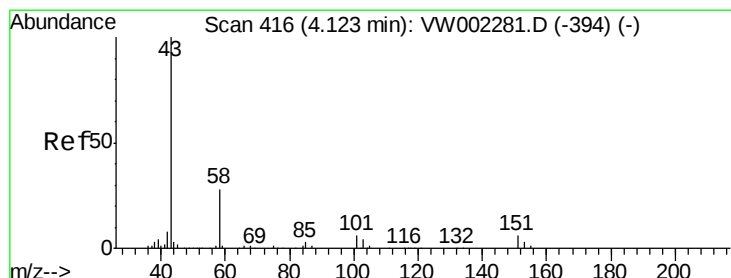
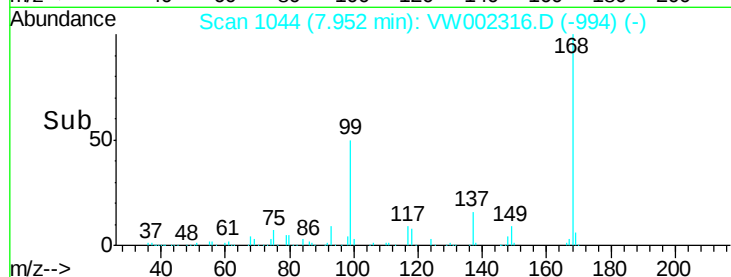
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 97.23 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW002316.D

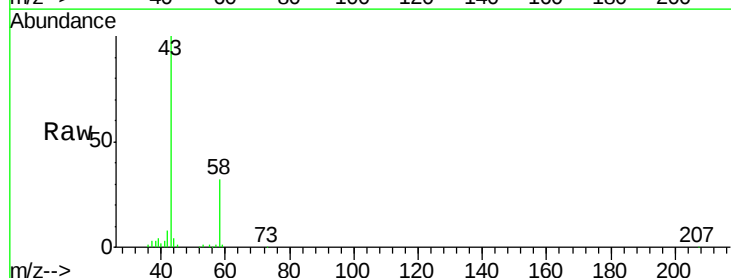
Acq: 09 May 2018 02:04

Tgt Ion: 43 Resp: 40477

Ion Ratio Lower Upper

43 100

58 32.1 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

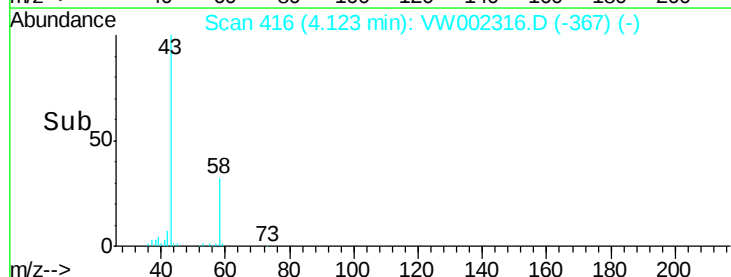
15000

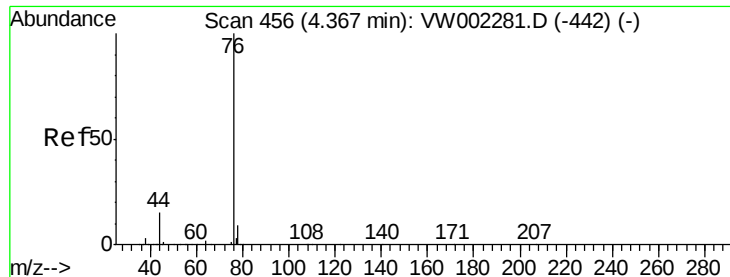
10000

5000

0

Time-->





#17

Carbon Disulfide

Concen: 2.62 ug/l

RT: 4.36 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW002316.D

Acq: 09 May 2018 02:04

Instrument :

MSVOA_W

ClientSampleId :

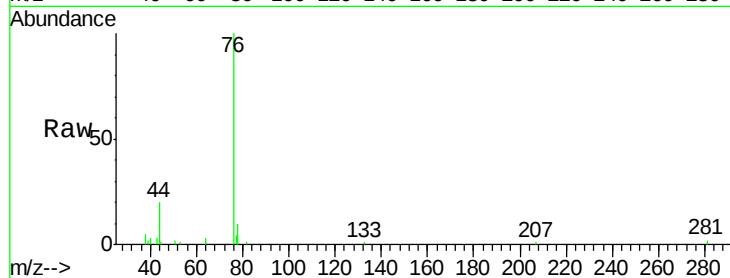
PL-02-050418-B

Tgt Ion: 76 Resp: 13841

Ion Ratio Lower Upper

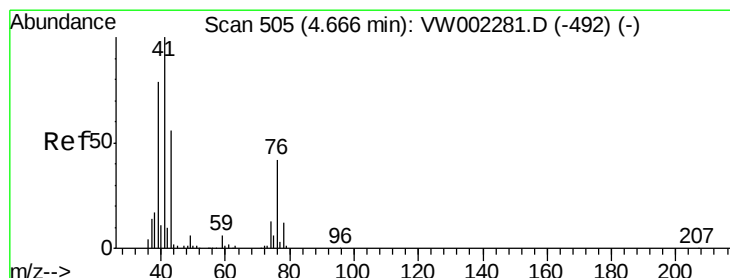
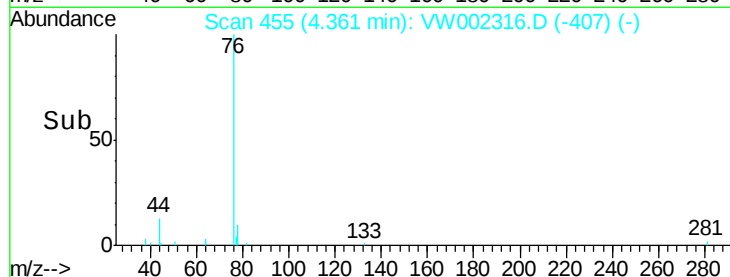
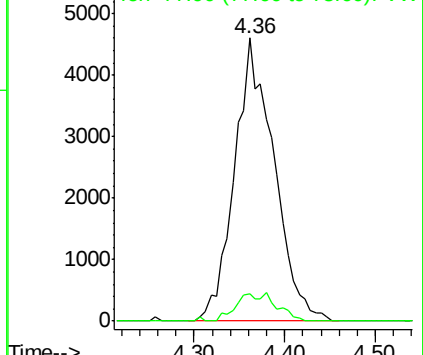
76 100

78 9.8 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 2.66 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW002316.D

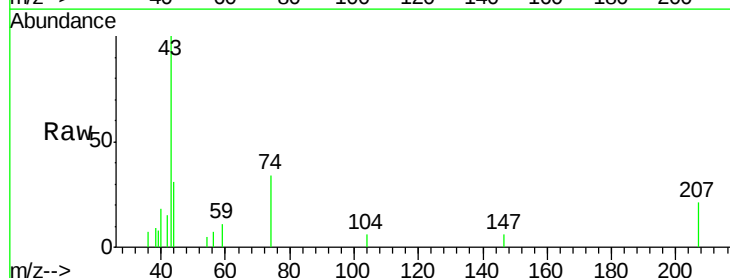
Acq: 09 May 2018 02:04

Tgt Ion: 43 Resp: 3325

Ion Ratio Lower Upper

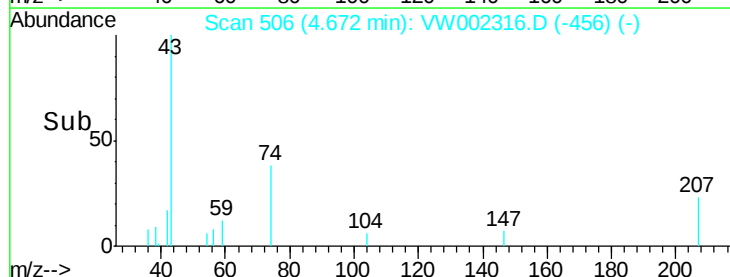
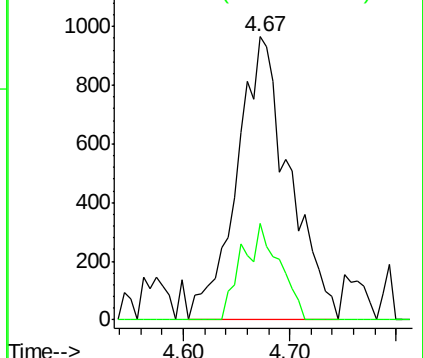
43 100

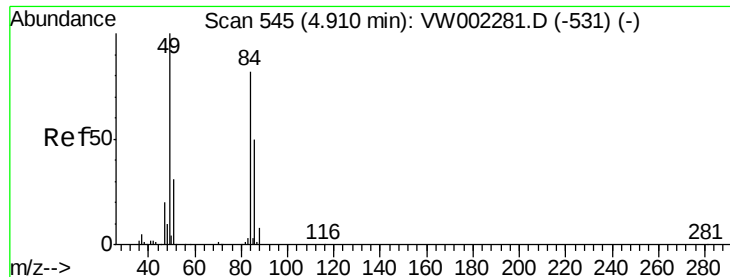
74 24.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

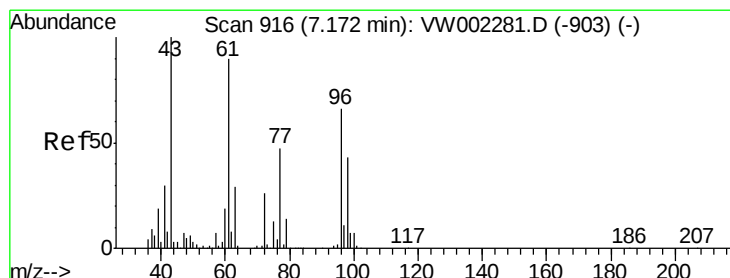
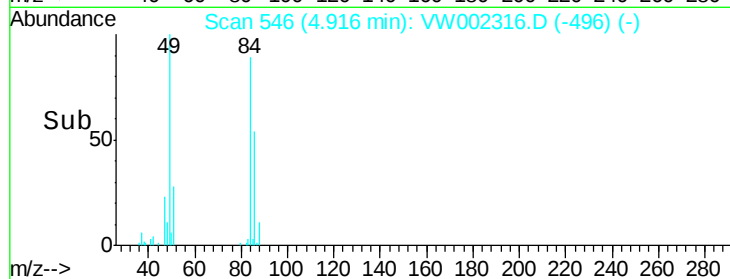
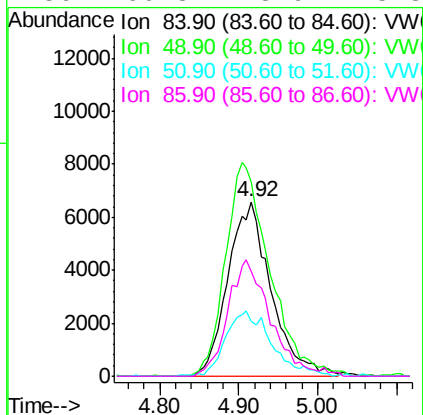
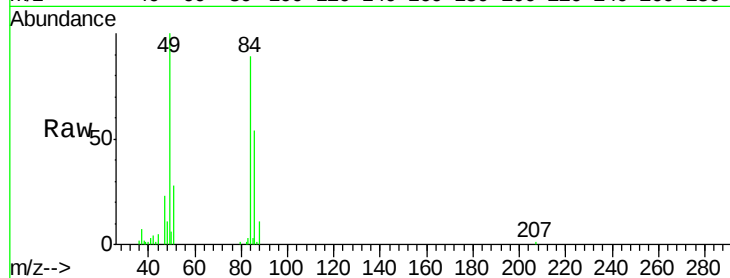




#20
Methylene Chloride
Concen: 12.44 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW002316.D
Acq: 09 May 2018 02:04

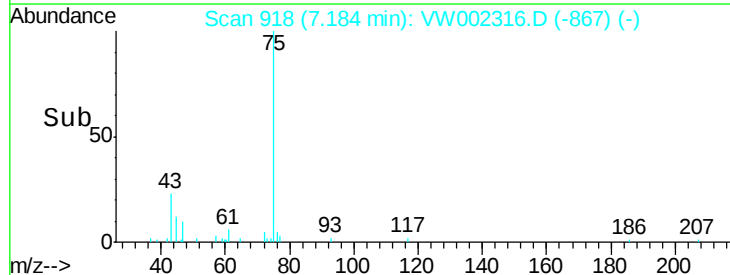
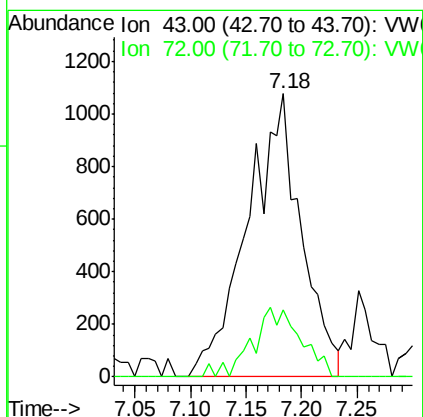
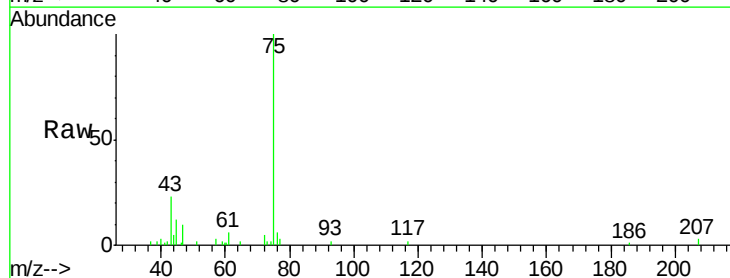
Instrument :
MSVOA_W
ClientSampleId :
PL-02-050418-B

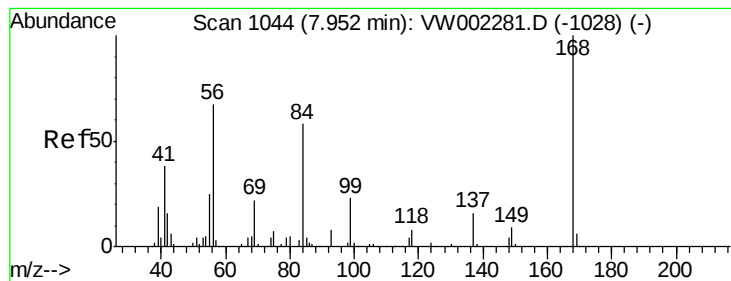
Tgt Ion: 84 Resp: 24958
Ion Ratio Lower Upper
84 100
49 112.0 97.7 146.5
51 30.9 30.2 45.4
86 60.3 48.9 73.3



#25
2-Butanone
Concen: 5.85 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.01 min
Lab File: VW002316.D
Acq: 09 May 2018 02:04

Tgt Ion: 43 Resp: 3613
Ion Ratio Lower Upper
43 100
72 23.8 20.6 31.0





#31

Cyclohexane

Concen: 1.45 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW002316.D

Acq: 09 May 2018 02:04

Instrument :

MSVOA_W

ClientSampleId :

PL-02-050418-B

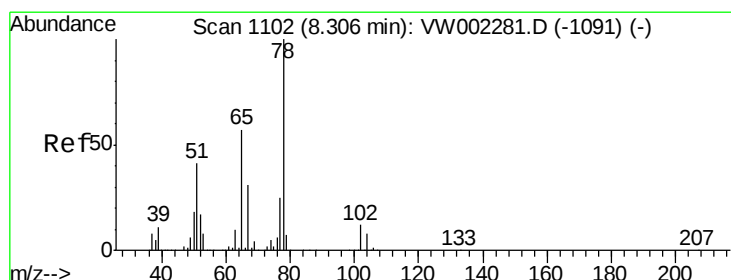
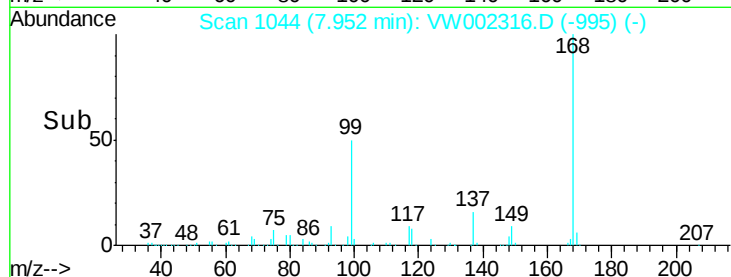
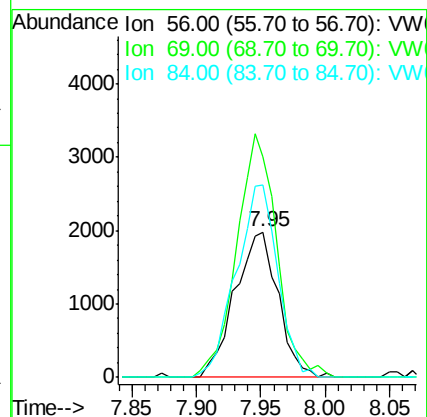
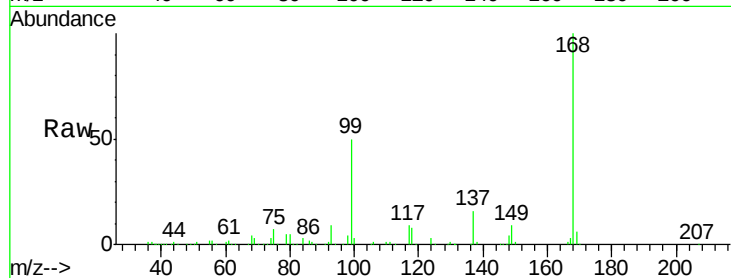
Tgt Ion: 56 Resp: 4603

Ion Ratio Lower Upper

56 100

69 151.6 26.2 39.4#

84 132.4 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 40.45 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW002316.D

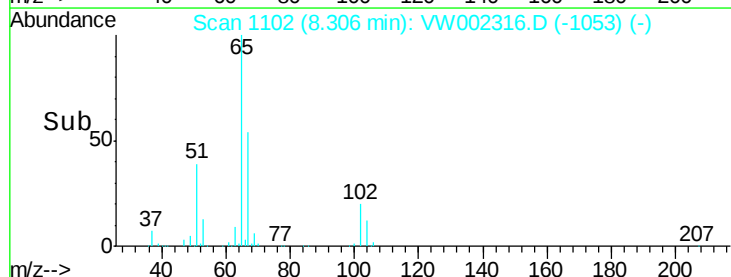
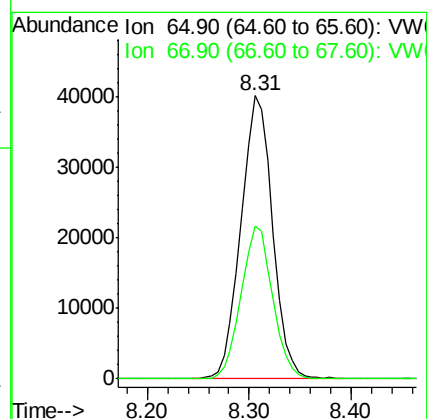
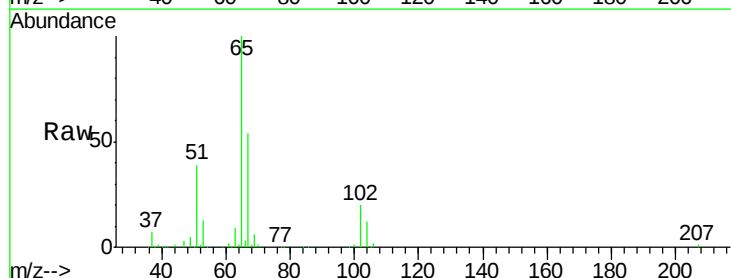
Acq: 09 May 2018 02:04

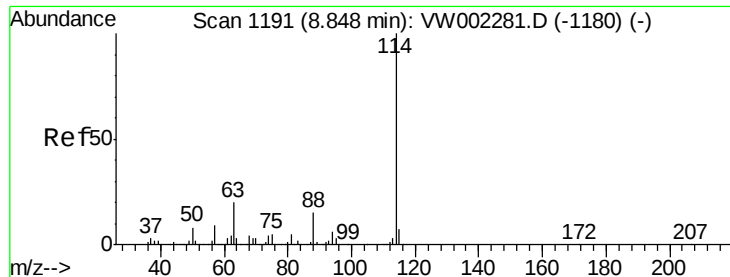
Tgt Ion: 65 Resp: 86223

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.2

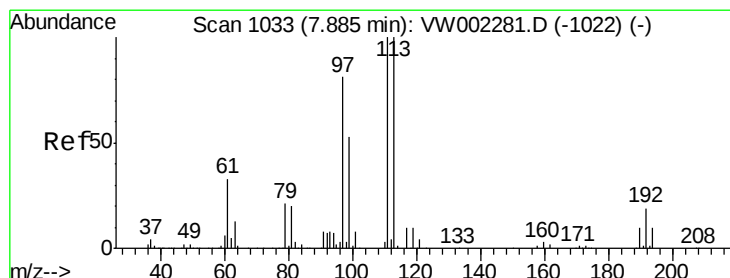
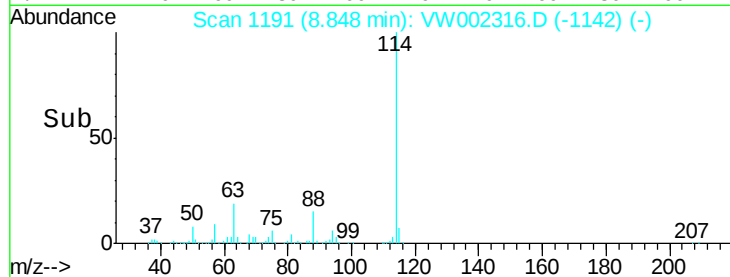
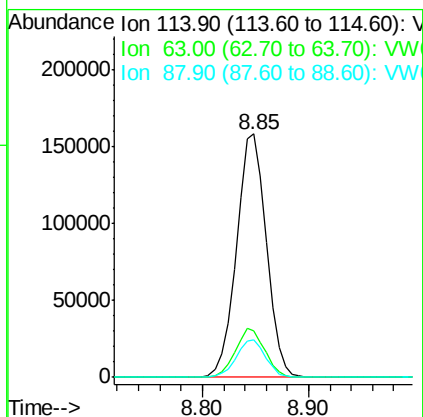
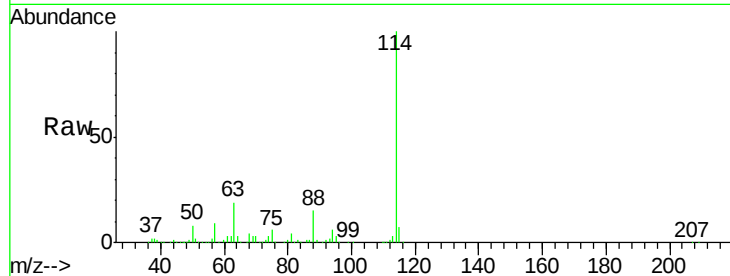




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW002316.D
 Acq: 09 May 2018 02:04

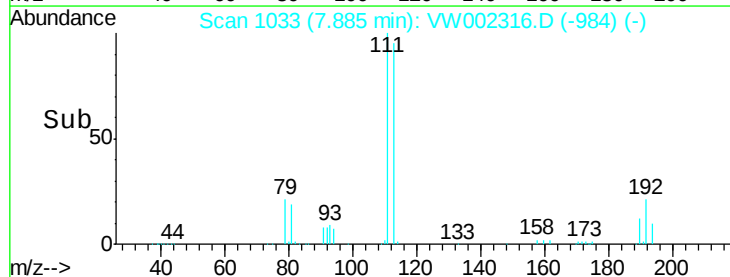
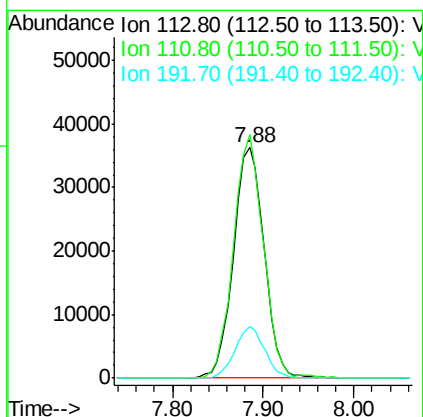
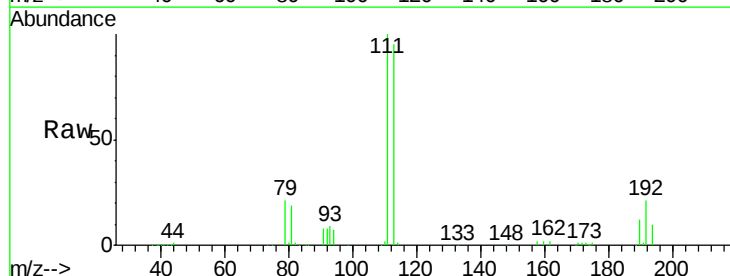
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-050418-B

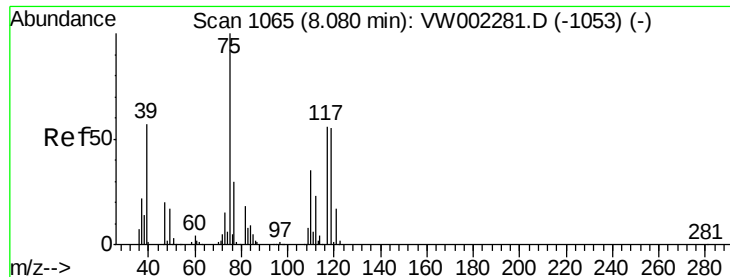
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.0
88	15.3	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 42.98 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW002316.D
 Acq: 09 May 2018 02:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.5	122.3
192	21.4	16.4	24.6





#36

1,1-Dichloropropene

Concen: 5.23 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW002316.D

Acq: 09 May 2018 02:04

Instrument :

MSVOA_W

ClientSampleId :

PL-02-050418-B

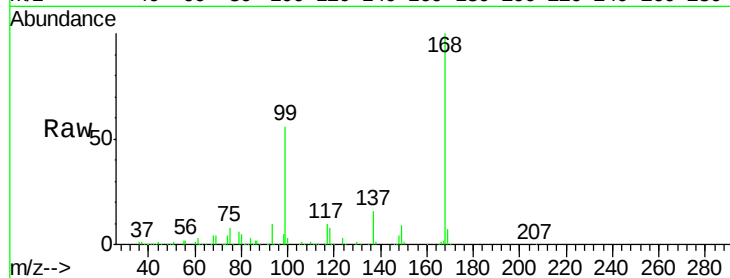
Tgt Ion: 75 Resp: 14738

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.1#

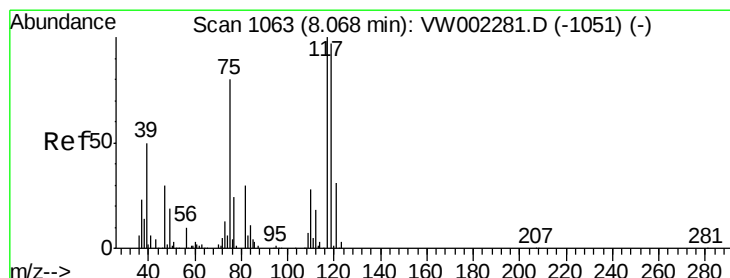
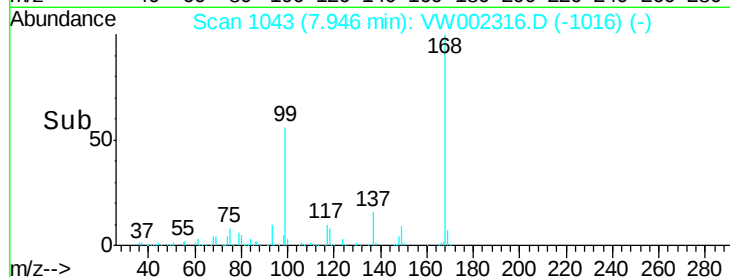
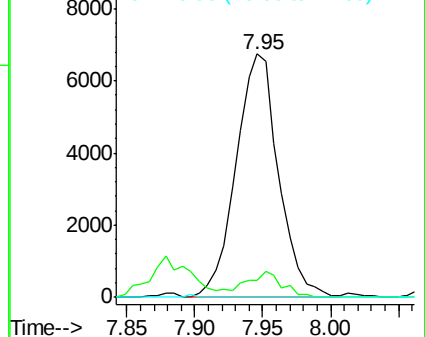
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.70 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002316.D

Acq: 09 May 2018 02:04

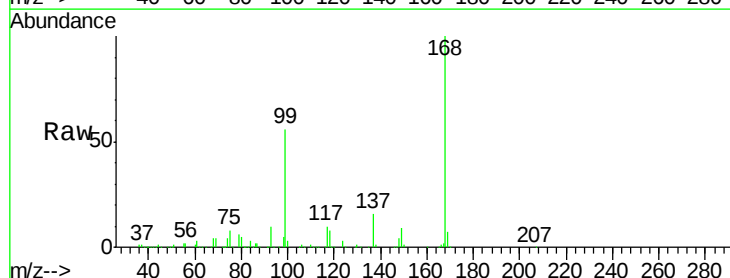
Tgt Ion: 117 Resp: 18270

Ion Ratio Lower Upper

117 100

119 3.7 77.5 116.3#

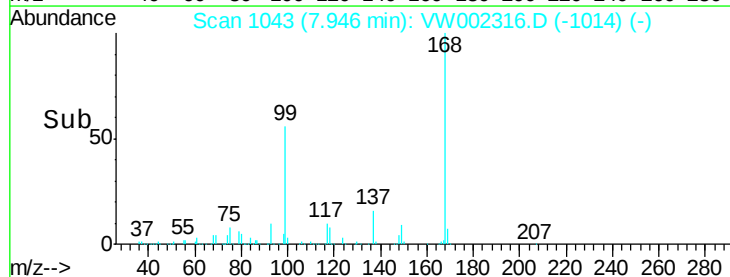
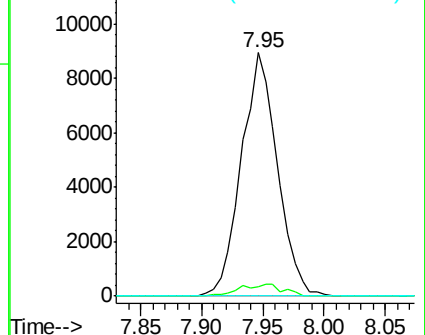
121 0.0 24.4 36.6#

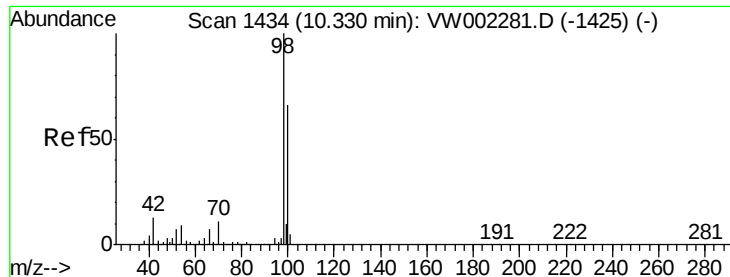


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 35.62 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW002316.D

Acq: 09 May 2018 02:04

Instrument :

MSVOA_W

ClientSampleId :

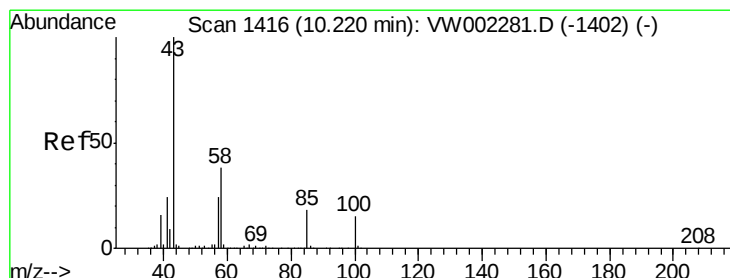
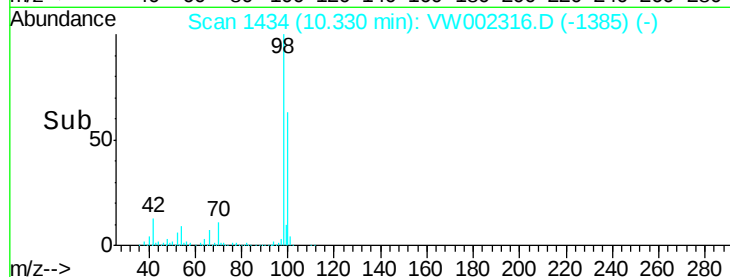
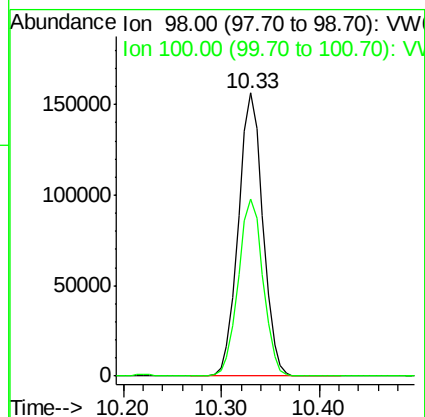
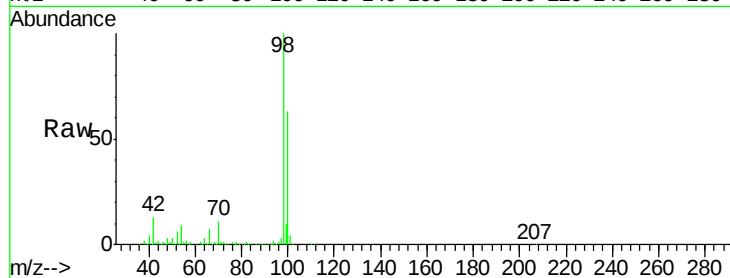
PL-02-050418-B

Tgt Ion: 98 Resp: 271527

Ion Ratio Lower Upper

98 100

100 63.3 51.4 77.2



#51

4-Methyl-2-Pentanone

Concen: 7.36 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW002316.D

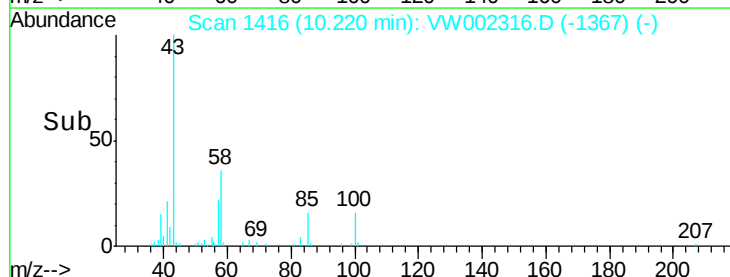
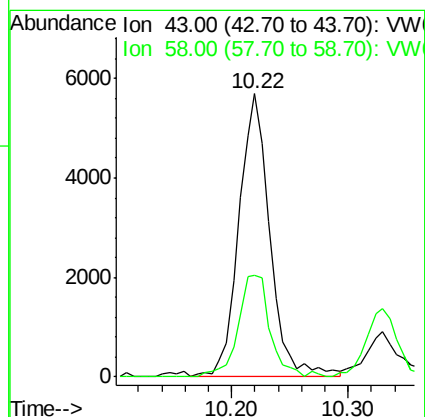
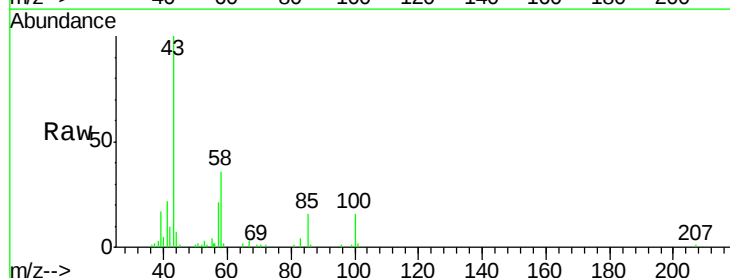
Acq: 09 May 2018 02:04

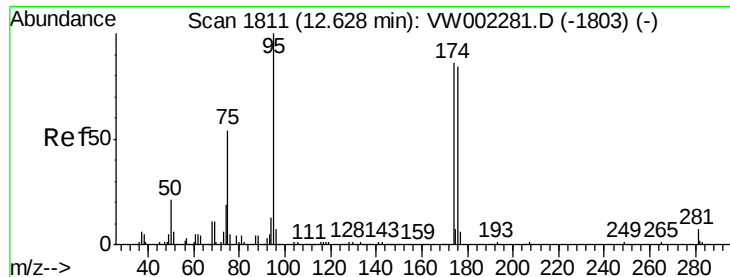
Tgt Ion: 43 Resp: 10590

Ion Ratio Lower Upper

43 100

58 36.6 30.2 45.2





#62

4-Bromofluorobenzene

Concen: 28.18 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW002316.D

Acq: 09 May 2018 02:04

Instrument :

MSVOA_W

ClientSampleId :

PL-02-050418-B

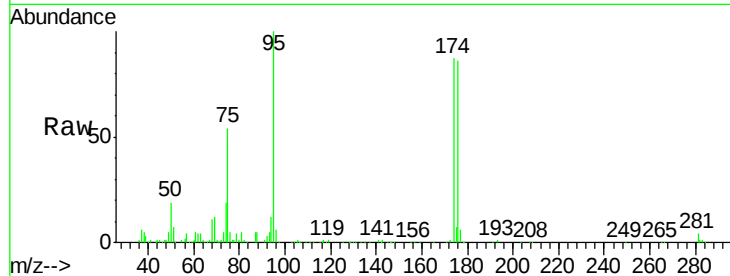
Tgt Ion: 95 Resp: 77636

Ion Ratio Lower Upper

95 100

174 90.6 0.0 176.8

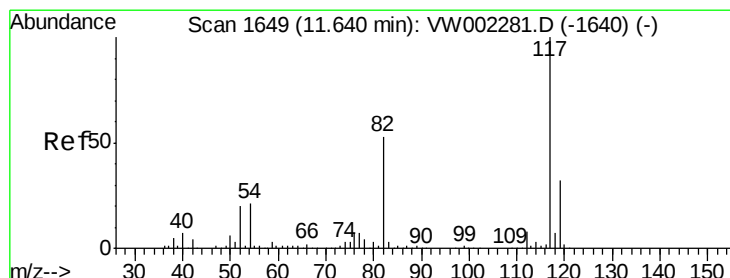
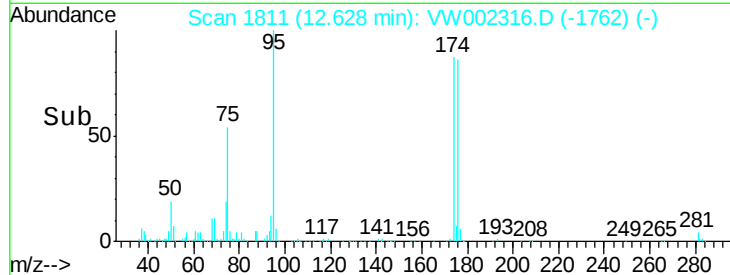
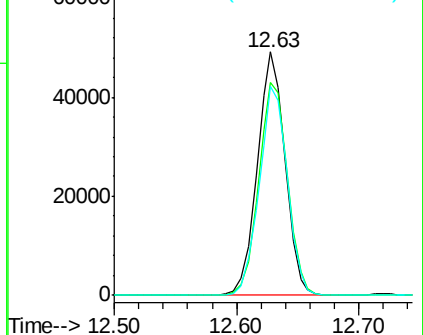
176 86.6 0.0 170.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VW002316.D

Acq: 09 May 2018 02:04

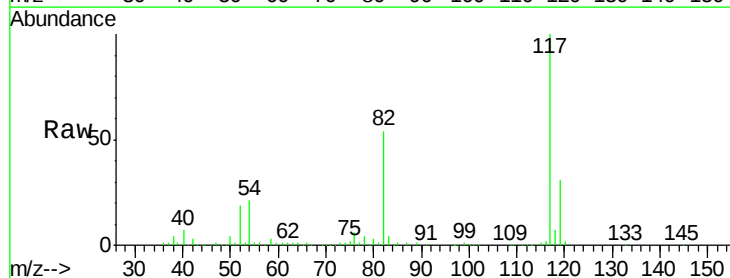
Tgt Ion: 117 Resp: 236799

Ion Ratio Lower Upper

117 100

82 53.6 42.6 63.8

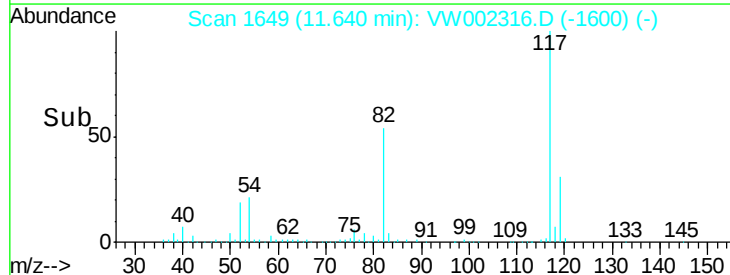
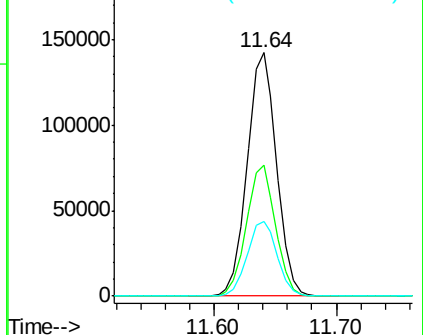
119 30.9 25.2 37.8

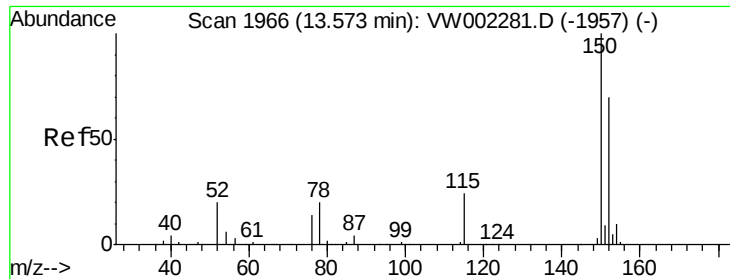


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.01 min

Lab File: VW002316.D

Acq: 09 May 2018 02:04

Instrument :

MSVOA_W

ClientSampleId :

PL-02-050418-B

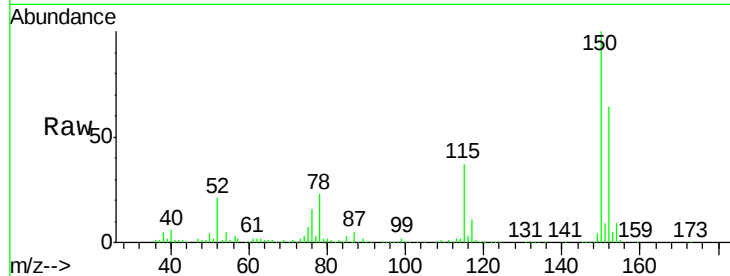
Tgt Ion:152 Resp: 78618

Ion Ratio Lower Upper

152 100

115 57.3 28.5 85.5

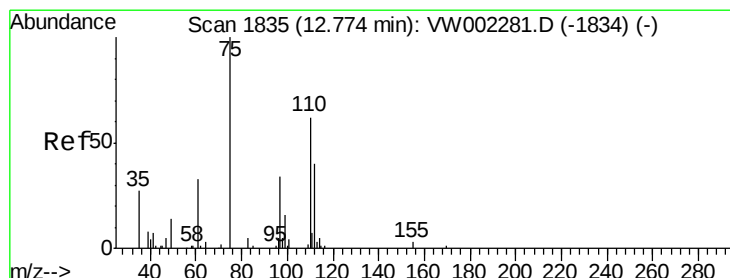
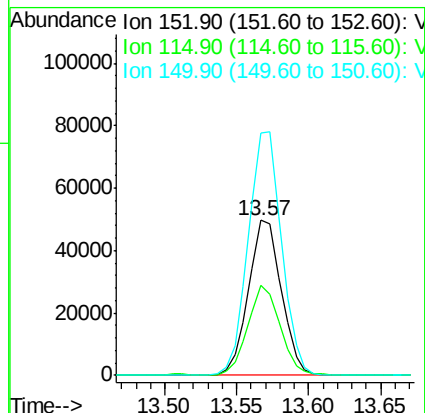
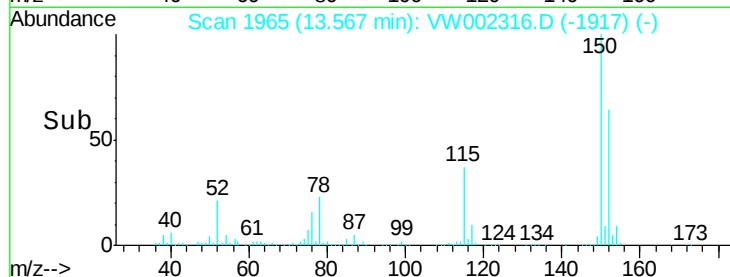
150 158.3 0.0 342.6



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: 57.76 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002316.D

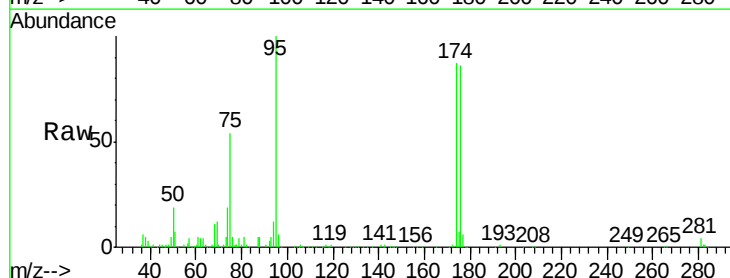
Acq: 09 May 2018 02:04

Tgt Ion: 75 Resp: 40266

Ion Ratio Lower Upper

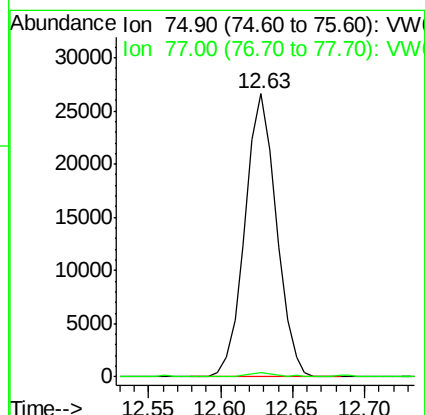
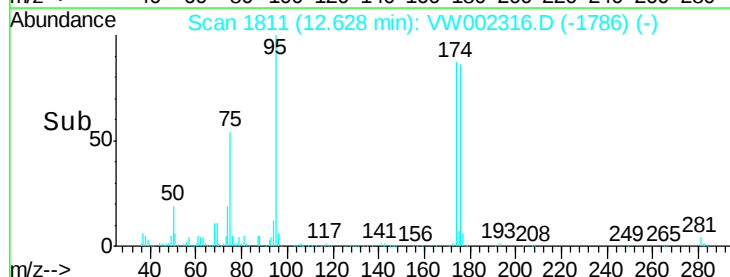
75 100

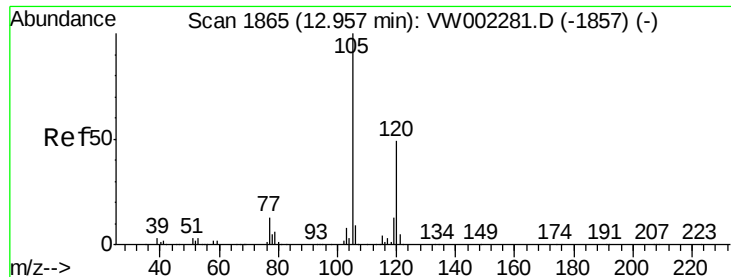
77 1.6 187.5 562.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#80

1,3,5-Trimethylbenzene

Concen: 1.88 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.01 min

Lab File: VW002316.D

Acq: 09 May 2018 02:04

Instrument :

MSVOA_W

ClientSampleId :

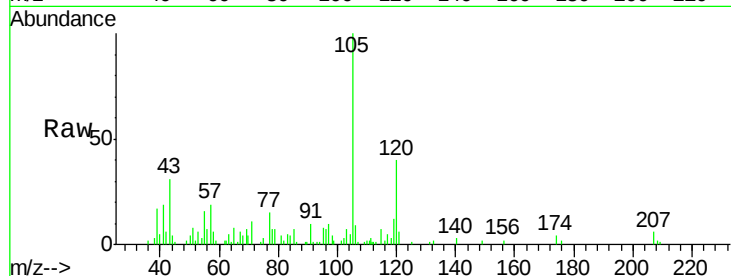
PL-02-050418-B

Tgt Ion:105 Resp: 8084

Ion Ratio Lower Upper

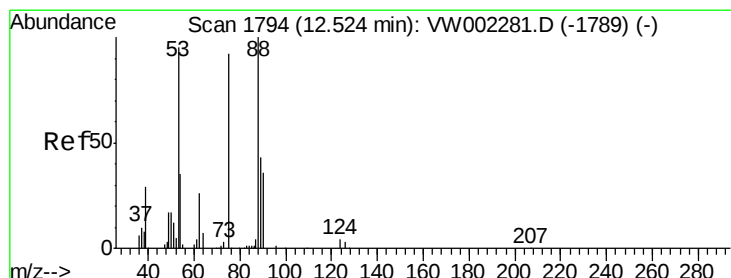
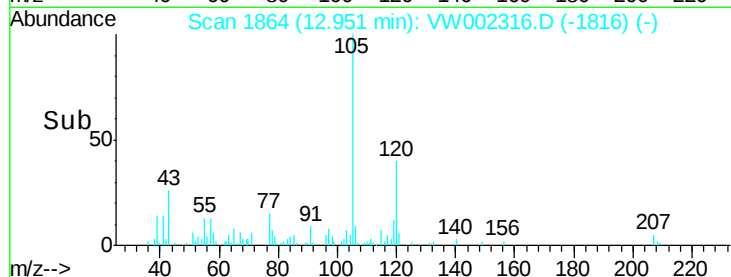
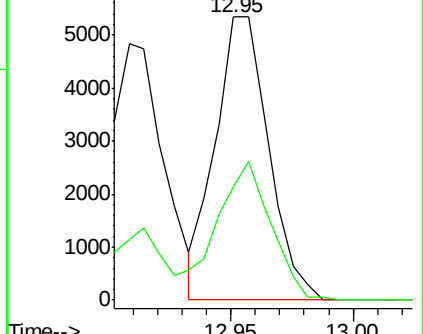
105 100

120 50.5 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 152.14 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002316.D

Acq: 09 May 2018 02:04

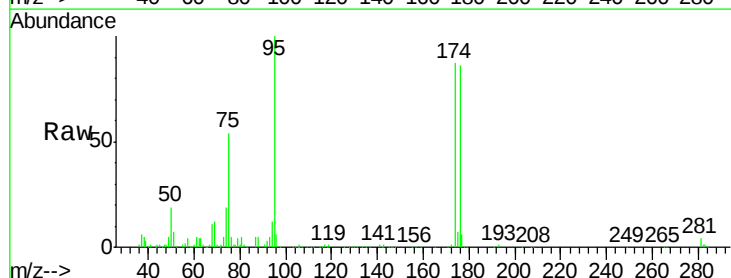
Tgt Ion: 75 Resp: 40266

Ion Ratio Lower Upper

75 100

53 0.0 79.9 119.9#

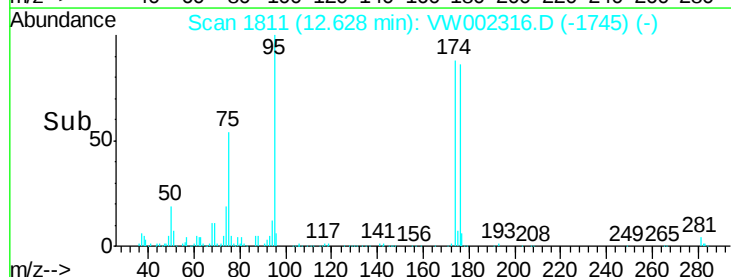
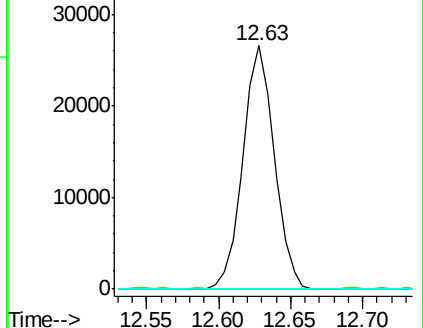
89 0.0 37.6 56.4#

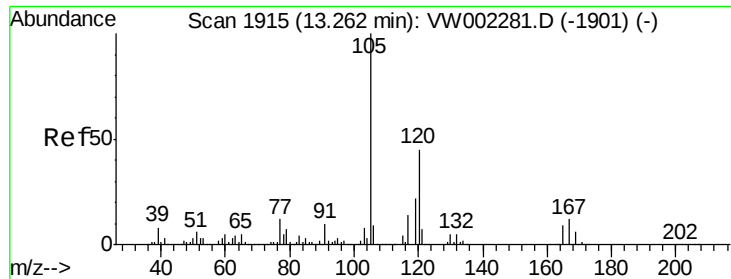


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

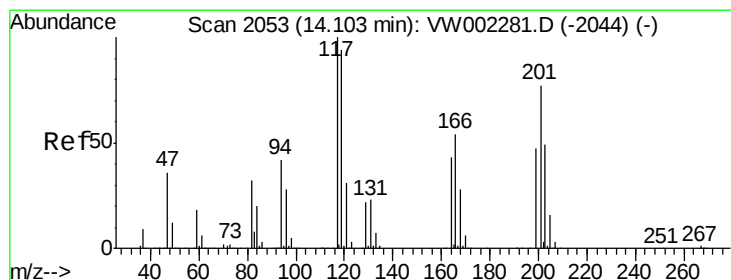
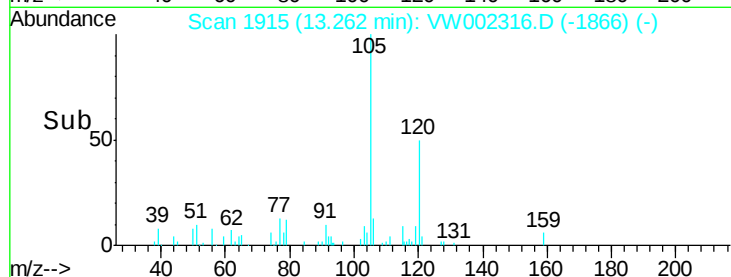
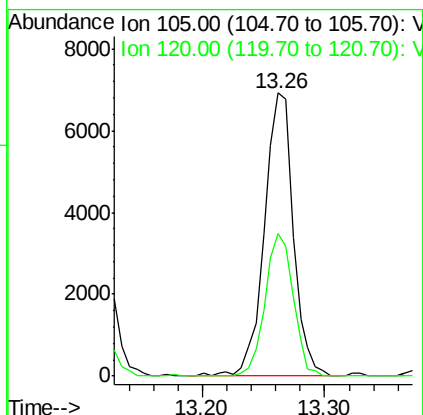
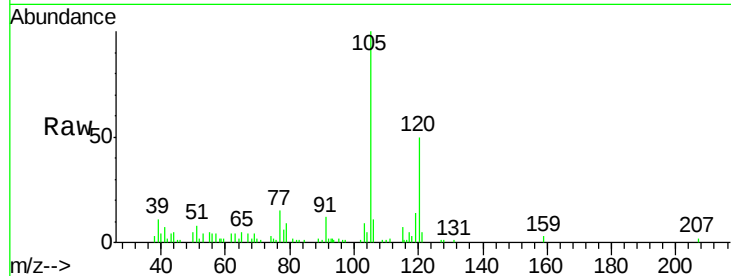




#84
 1,2,4-Trimethylbenzene
 Concen: 2.56 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW002316.D
 Acq: 09 May 2018 02:04

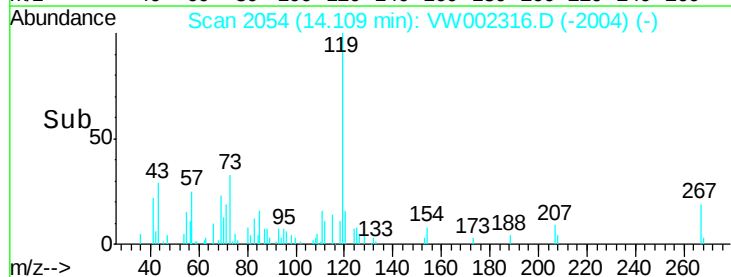
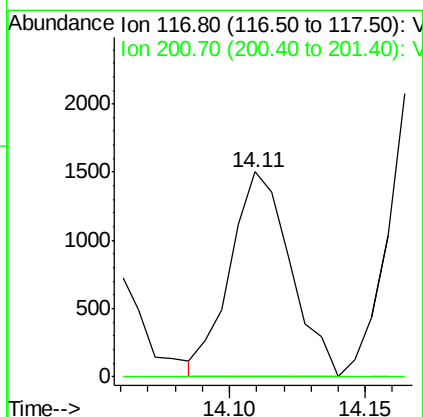
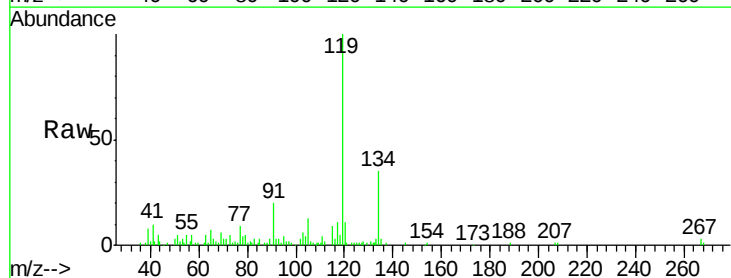
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-050418-B

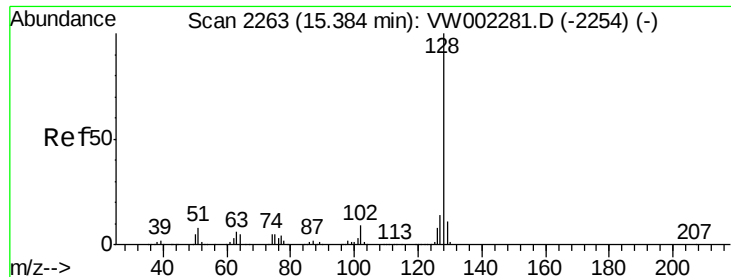
Tgt Ion:105 Resp: 11403
 Ion Ratio Lower Upper
 105 100
 120 48.6 22.5 67.5



#90
 Hexachloroethane
 Concen: 2.73 ug/l
 RT: 14.11 min Scan# 2054
 Delta R.T. 0.01 min
 Lab File: VW002316.D
 Acq: 09 May 2018 02:04

Tgt Ion:117 Resp: 2305
 Ion Ratio Lower Upper
 117 100
 201 0.0 42.2 126.6#





#95

Naphthalene

Concen: 2.19 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW002316.D

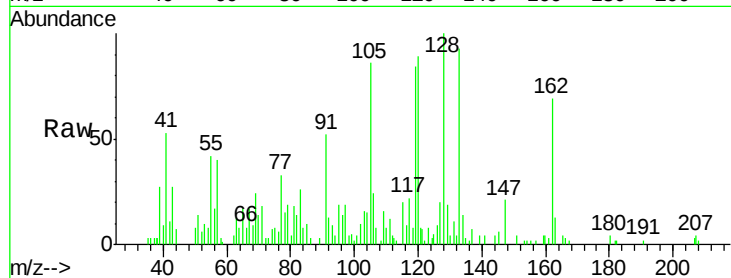
Acq: 09 May 2018 02:04

Instrument :

MSVOA_W

ClientSampleId :

PL-02-050418-B



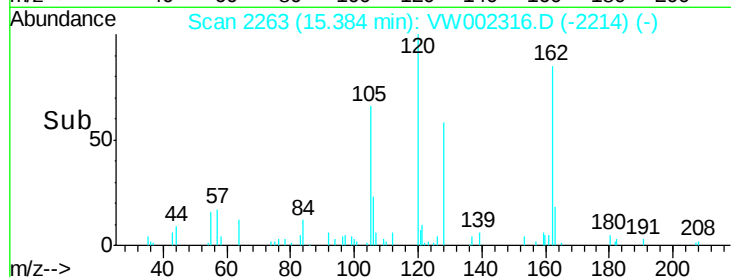
Tgt Ion:128 Resp: 6647

Ion Ratio Lower Upper

128 100

127 13.2 11.0 16.4

129 21.8 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

