

Data File : VW002365.D

Acq On : 10 May 2018 08:00

Operator : JC/SY

Sample : J2680-03RE

Misc : 5.53G/5ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: May 10 08:25:18 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	121096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	201177	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	129186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	35595	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	66261	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
35) Dibromofluoromethane	7.88	113	60098	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
50) Toluene-d8	10.33	98	149390	30.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.76%	
62) 4-Bromofluorobenzene	12.63	95	41373	23.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.56%	

Target Compounds

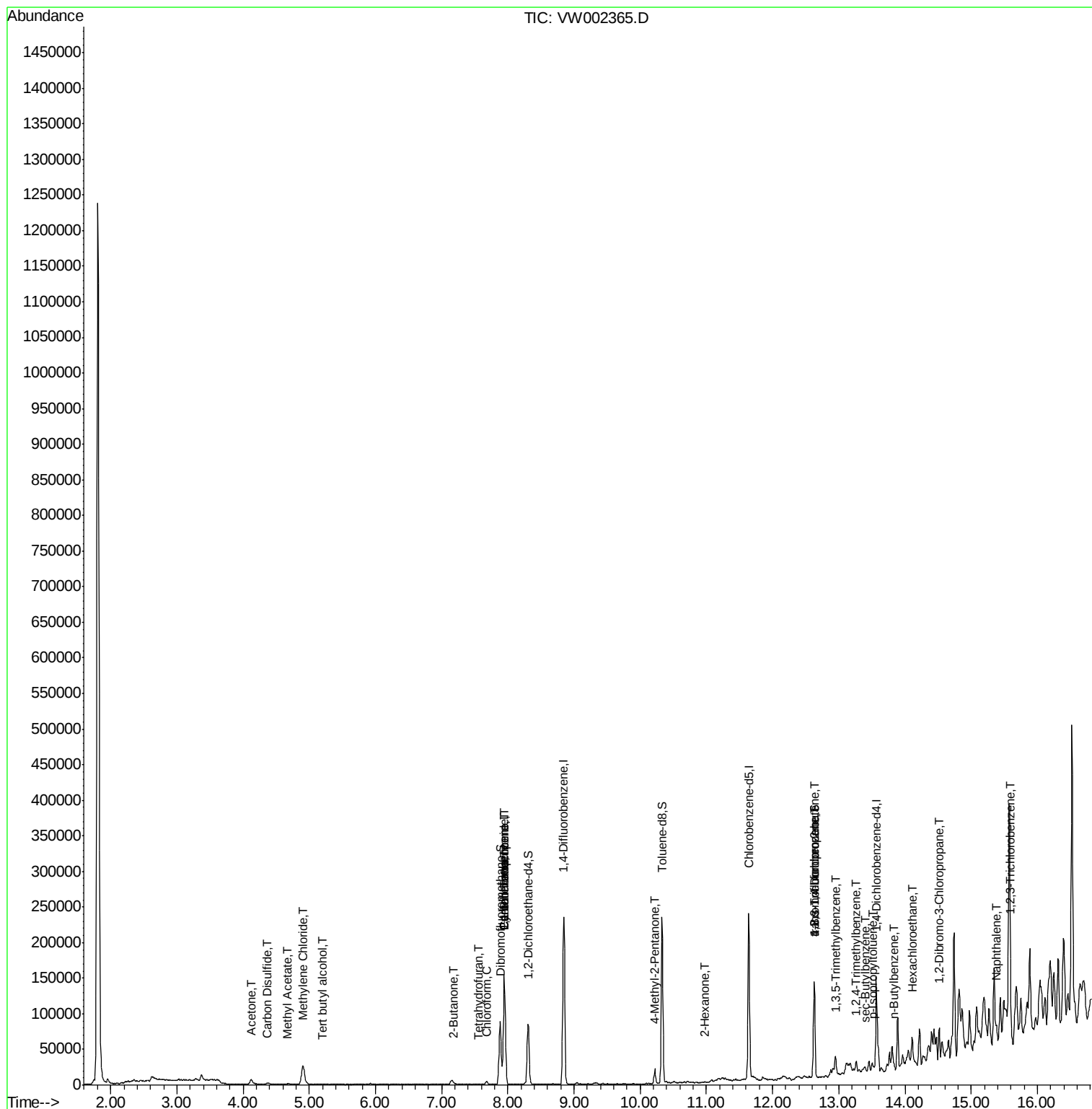
						Qvalue
11) Tert butyl alcohol	5.20	59	102	1.09	ug/l #	85
16) Acetone	4.12	43	11605	46.21	ug/l	97
17) Carbon Disulfide	4.37	76	4296	1.35	ug/l #	88
18) Methyl Acetate	4.67	43	2334	3.10	ug/l #	85
20) Methylene Chloride	4.91	84	21262	17.56	ug/l	96
25) 2-Butanone	7.18	43	1797	4.82	ug/l #	64
29) Tetrahydrofuran	7.56	42	375	1.53	ug/l #	51
30) Chloroform	7.67	83	3392	1.51	ug/l	94
31) Cyclohexane	7.95	56	2989	1.56	ug/l #	50
36) 1,1-Dichloropropene	7.95	75	8844	4.86	ug/l #	51
38) Carbon Tetrachloride	7.95	117	11600	6.59	ug/l #	14
51) 4-Methyl-2-Pentanone	10.22	43	13799	14.87	ug/l	99
59) 2-Hexanone	10.98	43	686	1.08	ug/l	91
76) 1,2,3-Trichloropropane	12.63	75	21580	68.37	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.96	105	6433	3.31	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.63	75	21580	180.09	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	9187	4.56	ug/l	98
85) sec-Butylbenzene	13.40	105	3136	1.31	ug/l	89
86) p-Isopropyltoluene	13.51	119	3292	1.54	ug/l	83
89) n-Butylbenzene	13.83	91	2886	1.44	ug/l #	71
90) Hexachloroethane	14.12	117	1826	4.78	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.51	75	239	3.09	ug/l #	19
95) Naphthalene	15.38	128	9592	6.97	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	857	1.28	ug/l #	12

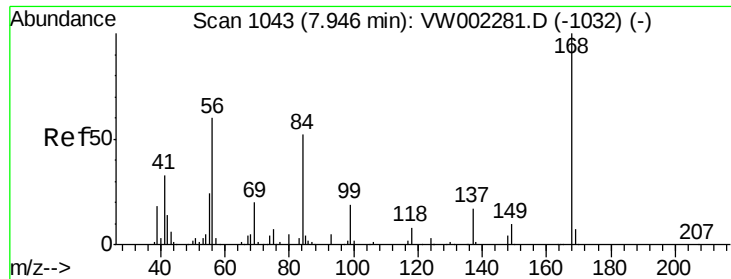
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW002365.D

Acq: 10 May 2018 08:00

Instrument :

MSVOA_W

ClientSampleId :

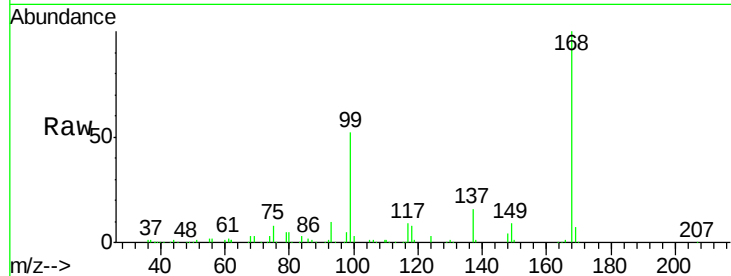
PL-02-050418-BRE

Tgt Ion:168 Resp: 121096

Ion Ratio Lower Upper

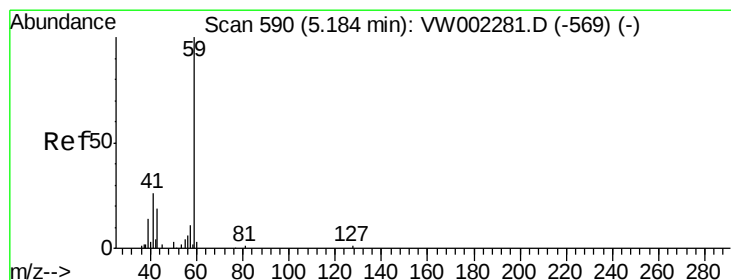
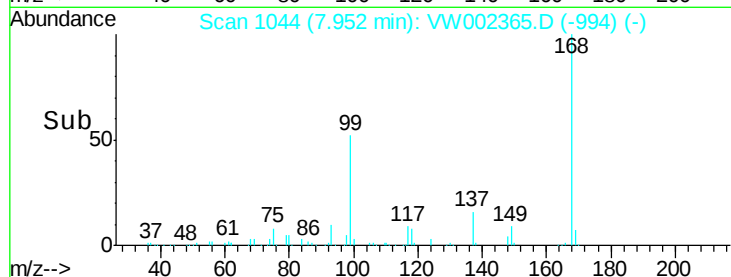
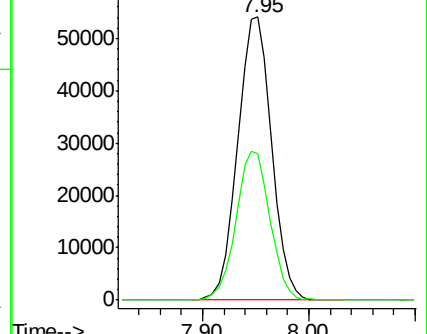
168 100

99 51.8 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.09 ug/l

RT: 5.20 min Scan# 592

Delta R.T. 0.01 min

Lab File: VW002365.D

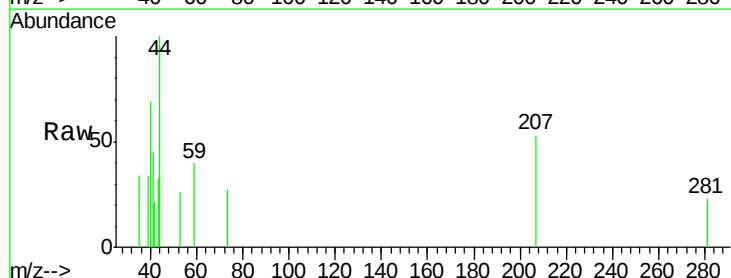
Acq: 10 May 2018 08:00

Tgt Ion: 59 Resp: 102

Ion Ratio Lower Upper

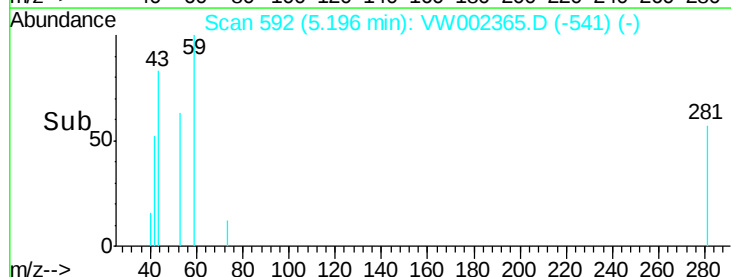
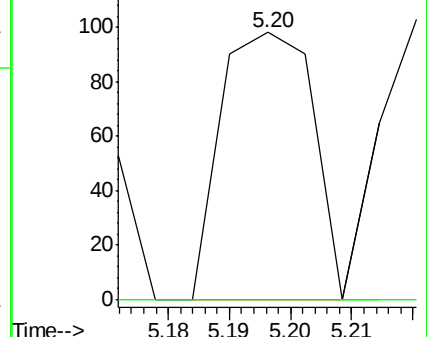
59 100

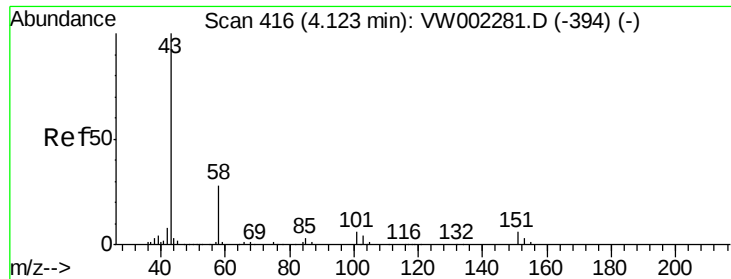
57 0.0 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 46.21 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW002365.D

Acq: 10 May 2018 08:00

Instrument :

MSVOA_W

ClientSampleId :

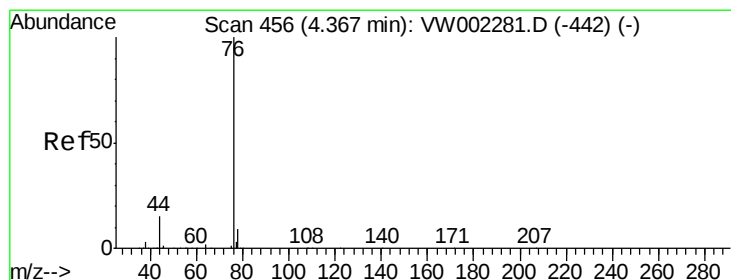
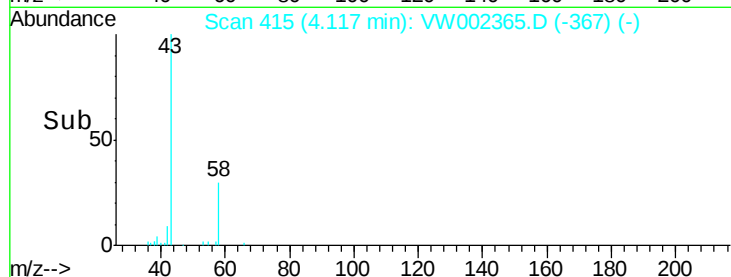
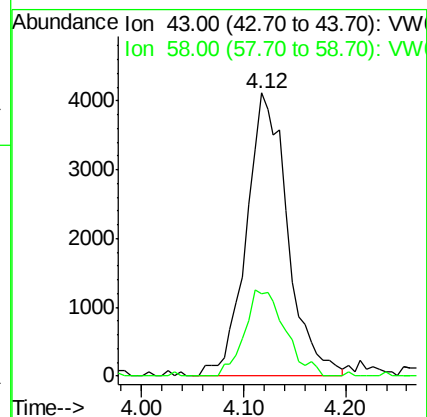
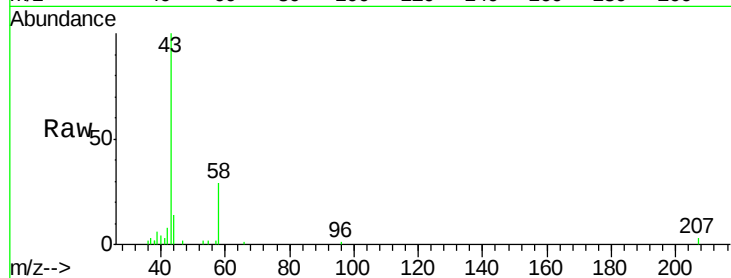
PL-02-050418-BRE

Tgt Ion: 43 Resp: 11605

Ion Ratio Lower Upper

43 100

58 29.3 22.2 33.4



#17

Carbon Disulfide

Concen: 1.35 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW002365.D

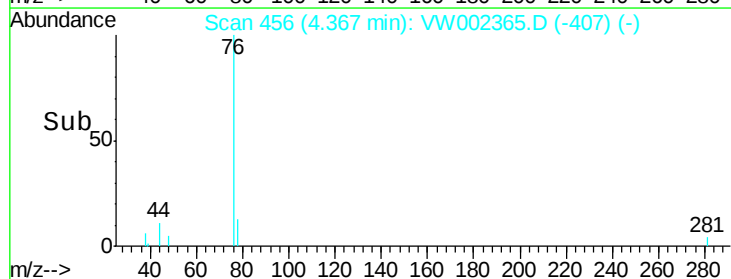
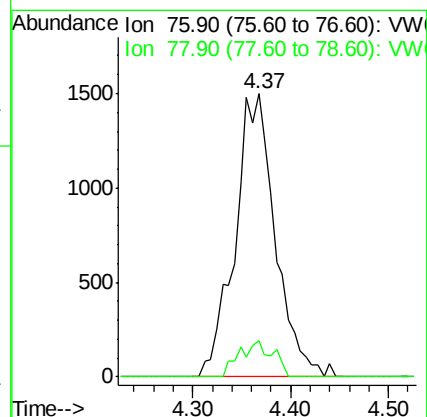
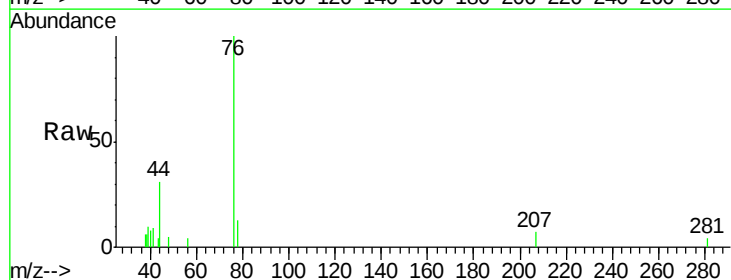
Acq: 10 May 2018 08:00

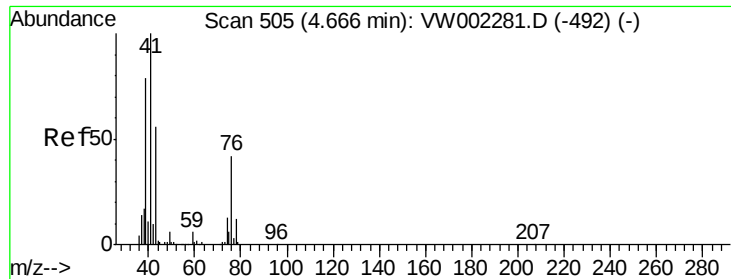
Tgt Ion: 76 Resp: 4296

Ion Ratio Lower Upper

76 100

78 13.0 6.9 10.3#

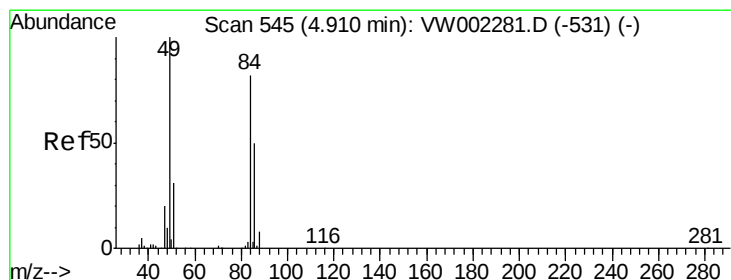
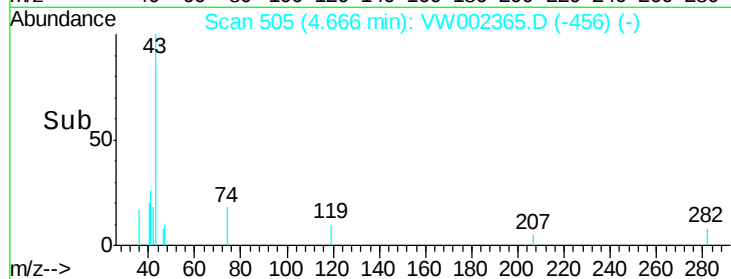
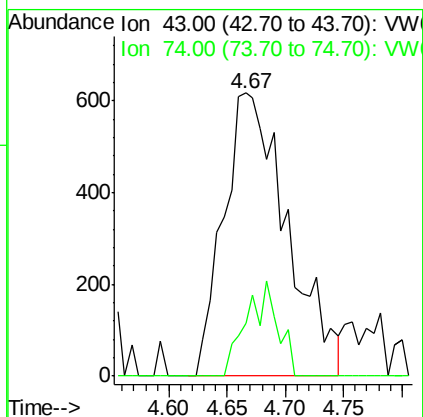
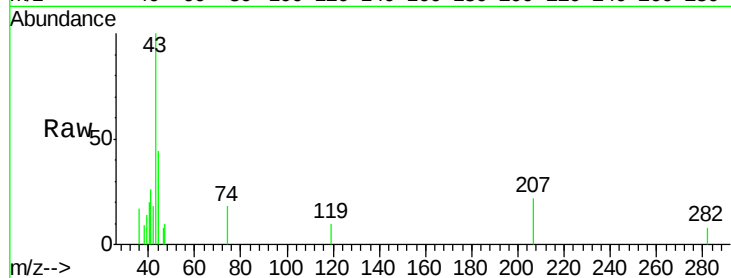




#18
Methyl Acetate
Concen: 3.10 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.00 min
Lab File: VW002365.D
Acq: 10 May 2018 08:00

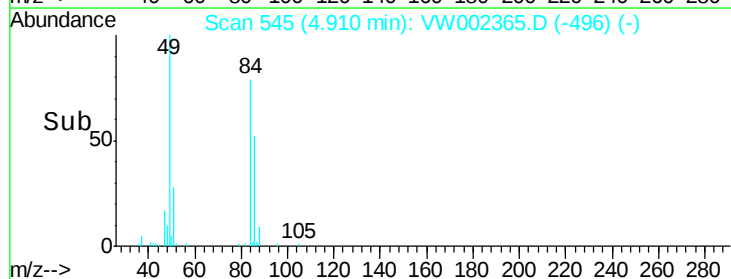
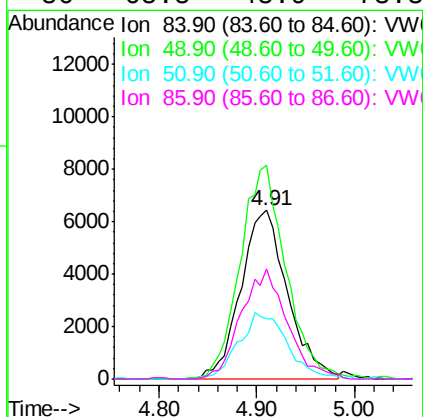
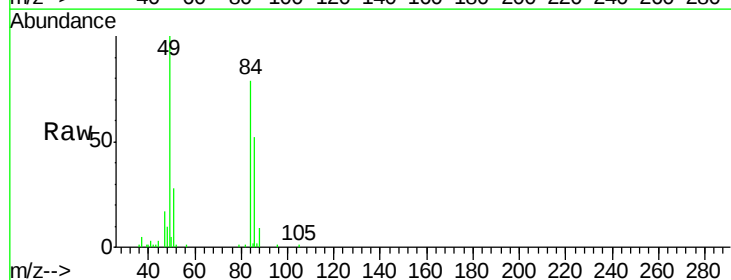
Instrument :
MSVOA_W
ClientSampleId :
PL-02-050418-BRE

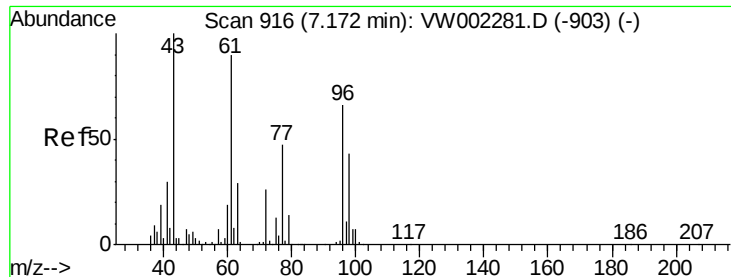
Tgt Ion: 43 Resp: 2334
Ion Ratio Lower Upper
43 100
74 16.7 19.4 29.2#



#20
Methylene Chloride
Concen: 17.56 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW002365.D
Acq: 10 May 2018 08:00

Tgt Ion: 84 Resp: 21262
Ion Ratio Lower Upper
84 100
49 125.5 97.7 146.5
51 35.7 30.2 45.4
86 65.5 48.9 73.3





#25

2-Butanone

Concen: 4.82 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW002365.D

Acq: 10 May 2018 08:00

Instrument :

MSVOA_W

ClientSampleId :

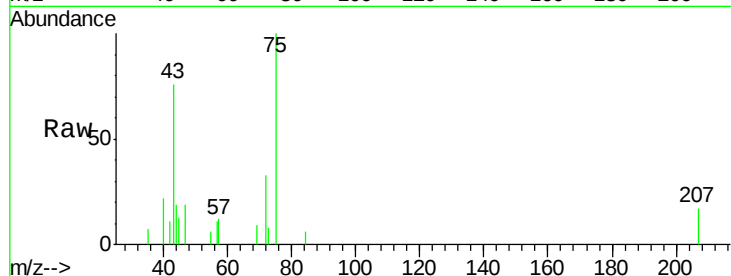
PL-02-050418-BRE

Tgt Ion: 43 Resp: 1797

Ion Ratio Lower Upper

43 100

72 44.1 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

800

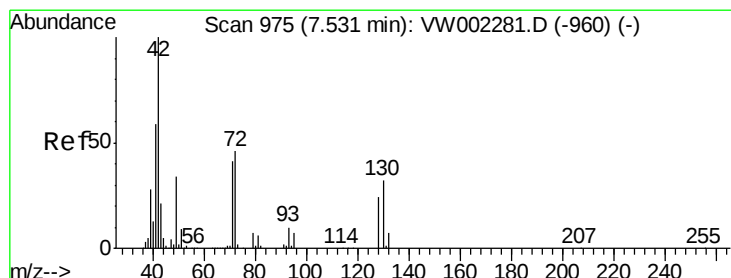
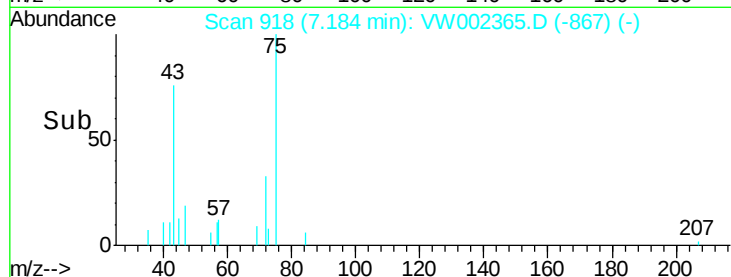
600

400

200

0

Time-->



#29

Tetrahydrofuran

Concen: 1.53 ug/l

RT: 7.56 min Scan# 979

Delta R.T. 0.02 min

Lab File: VW002365.D

Acq: 10 May 2018 08:00

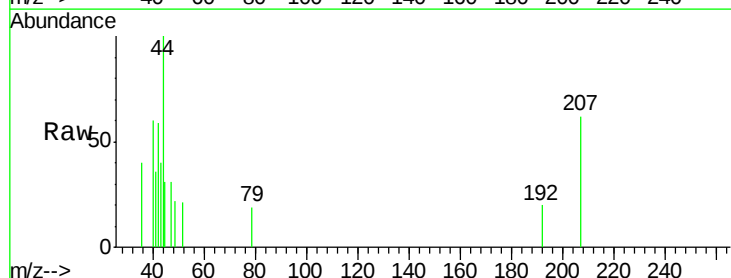
Tgt Ion: 42 Resp: 375

Ion Ratio Lower Upper

42 100

72 16.3 34.5 51.7#

71 5.9 33.0 49.6#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

200

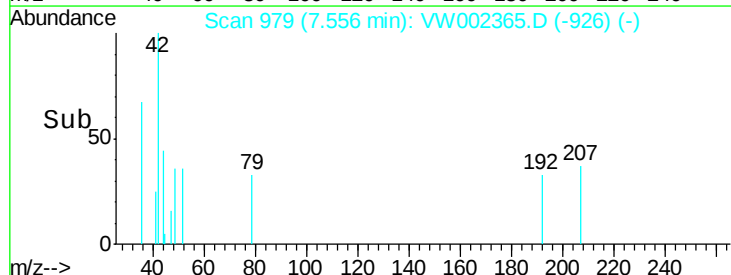
150

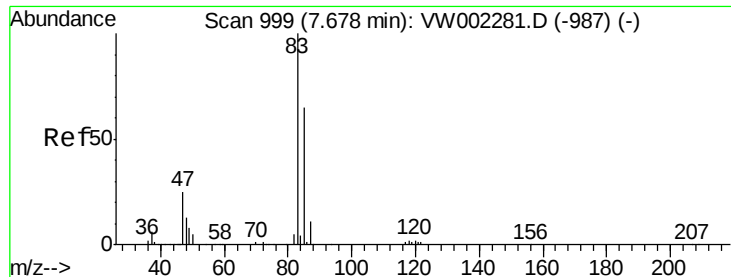
100

50

0

Time-->

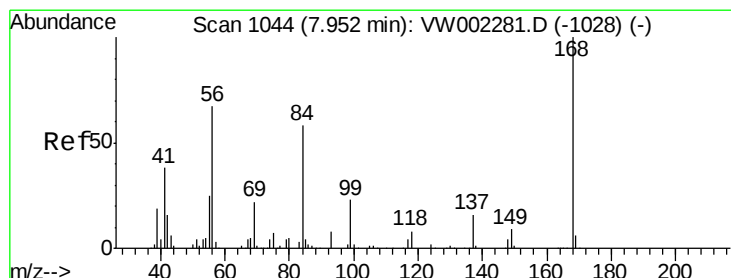
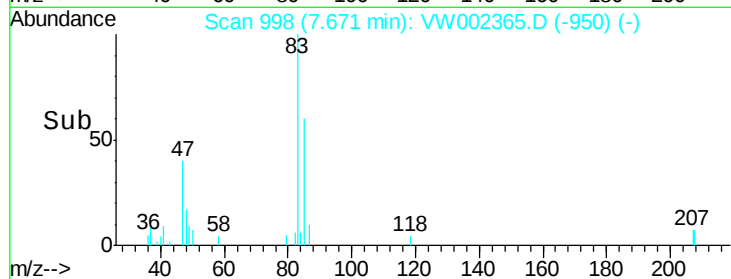
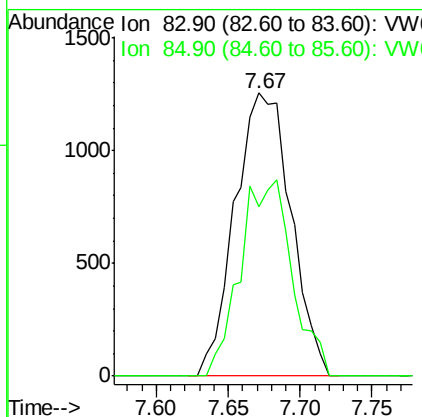
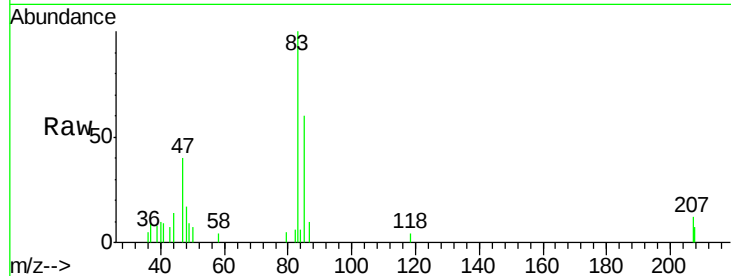




#30
Chloroform
Concen: 1.51 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW002365.D
Acq: 10 May 2018 08:00

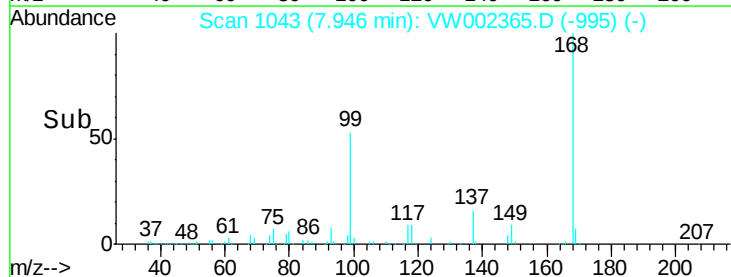
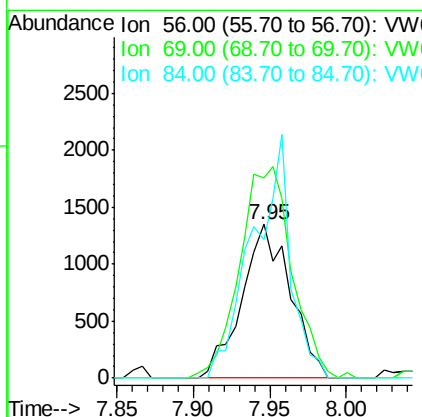
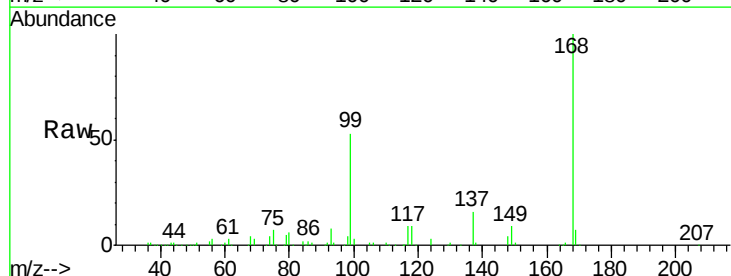
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MSVOA_W
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PL-02-050418-BRE

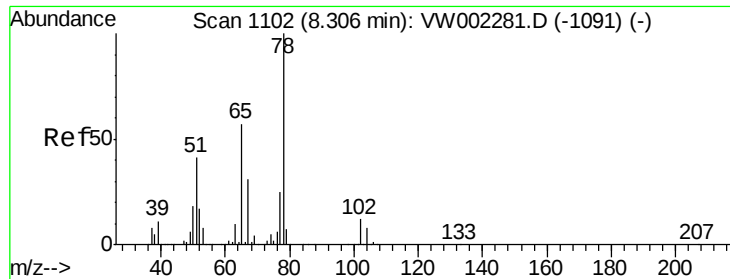
Tgt Ion: 83 Resp: 3392
Ion Ratio Lower Upper
83 100
85 59.7 51.8 77.6



#31
Cyclohexane
Concen: 1.56 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002365.D
Acq: 10 May 2018 08:00

Tgt Ion: 56 Resp: 2989
Ion Ratio Lower Upper
56 100
69 130.0 26.2 39.4#
84 90.2 69.2 103.8

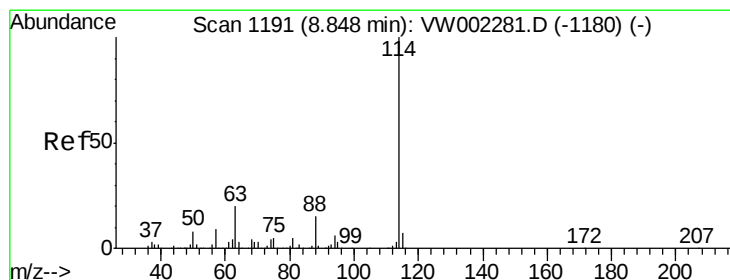
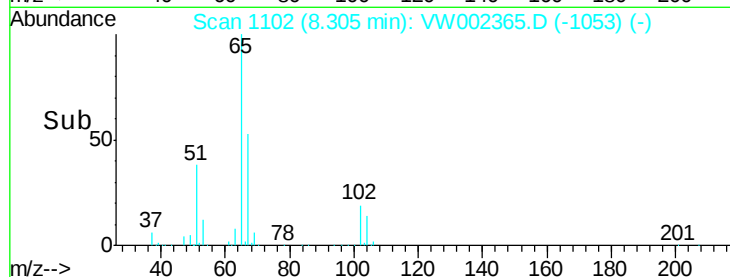
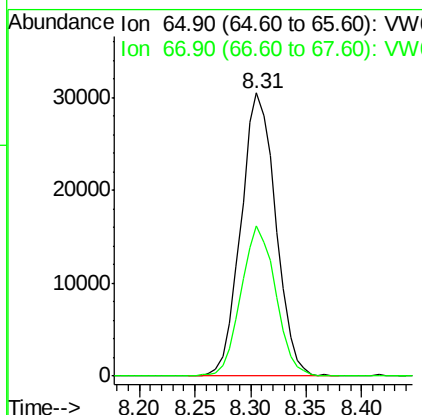
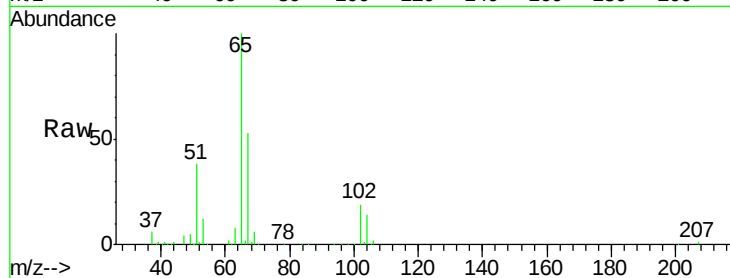




#33
 1,2-Dichloroethane-d4
 Concen: 51.53 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002365.D
 Acq: 10 May 2018 08:00

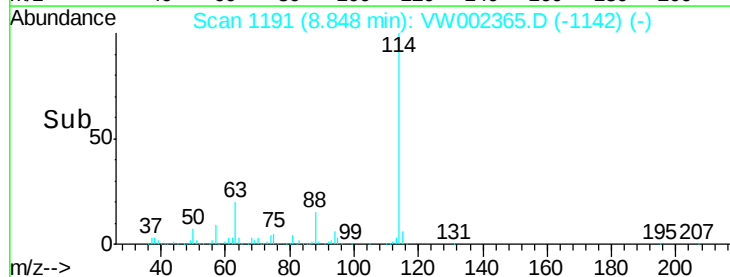
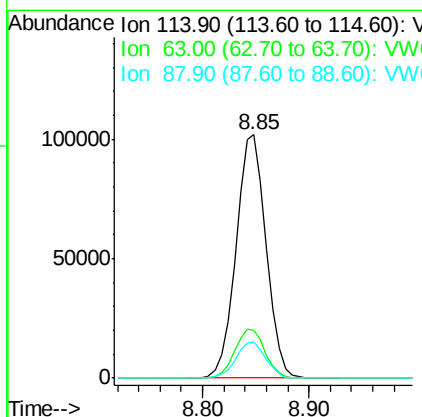
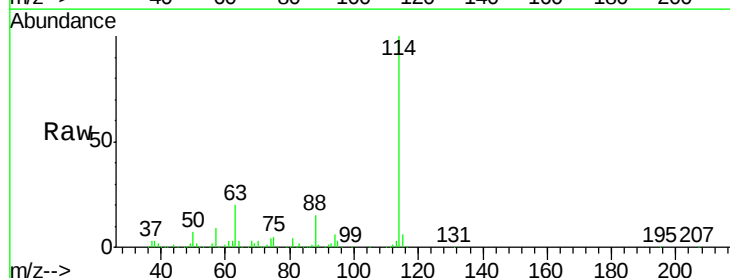
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 MSVOA_W
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 PL-02-050418-BRE

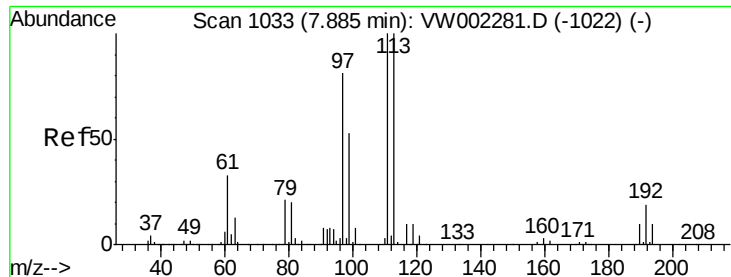
Tgt Ion: 65 Resp: 66261
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW002365.D
 Acq: 10 May 2018 08:00

Tgt Ion: 114 Resp: 201177
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.0
 88 14.7 0.0 29.6

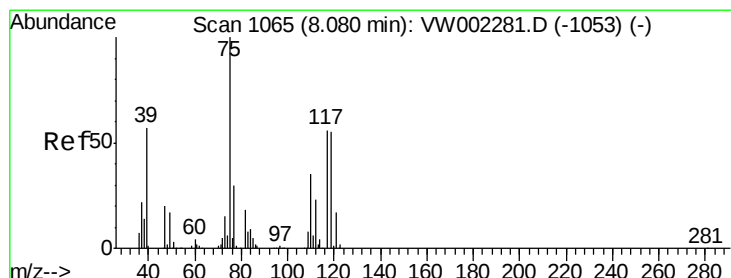
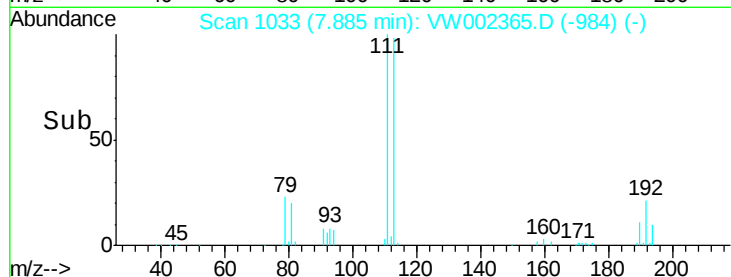
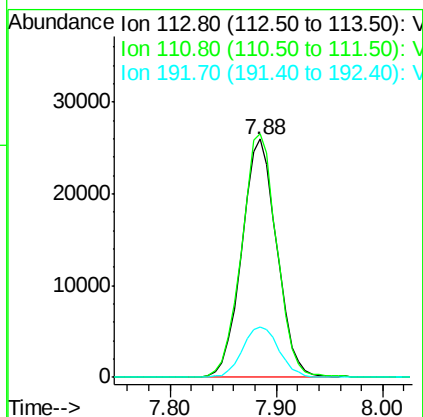
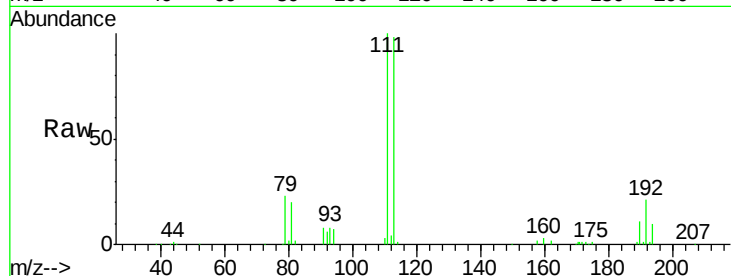




#35
Dibromofluoromethane
Concen: 46.61 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VW002365.D
Acq: 10 May 2018 08:00

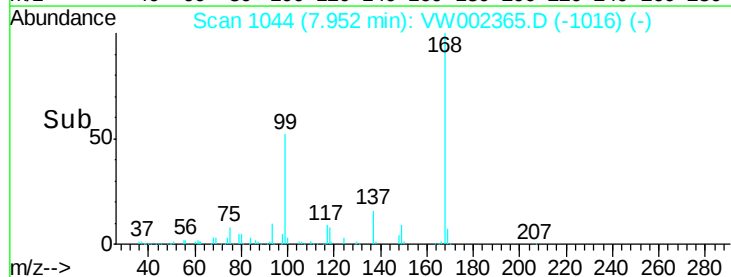
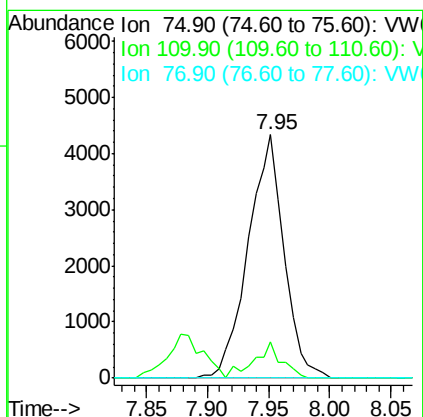
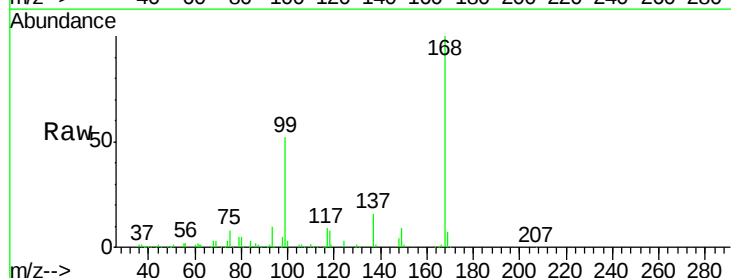
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PL-02-050418-BRE

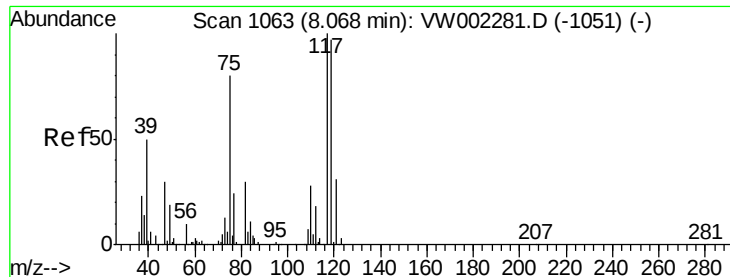
Tgt Ion:113 Resp: 60098
Ion Ratio Lower Upper
113 100
111 102.5 81.5 122.3
192 22.0 16.4 24.6



#36
1,1-Dichloropropene
Concen: 4.86 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.13 min
Lab File: VW002365.D
Acq: 10 May 2018 08:00

Tgt Ion: 75 Resp: 8844
Ion Ratio Lower Upper
75 100
110 11.3 18.1 54.1#
77 0.0 24.5 36.7#

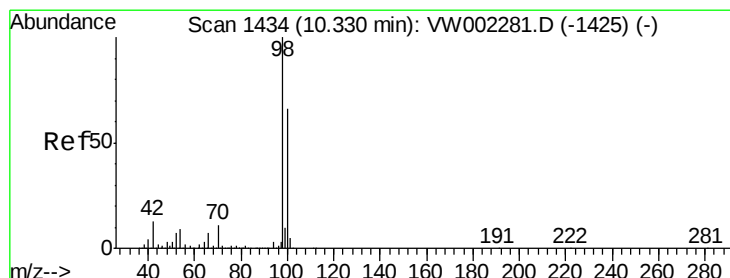
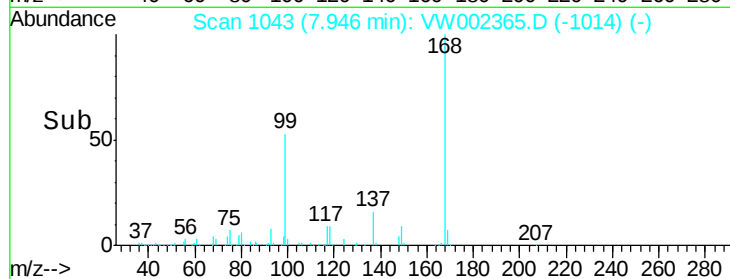
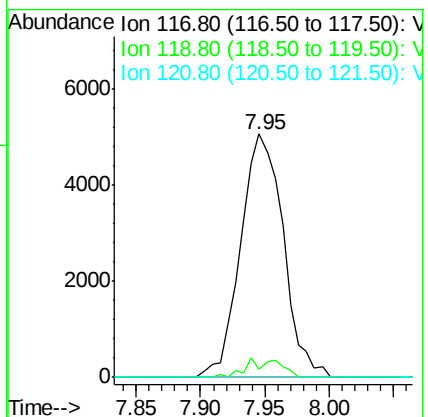
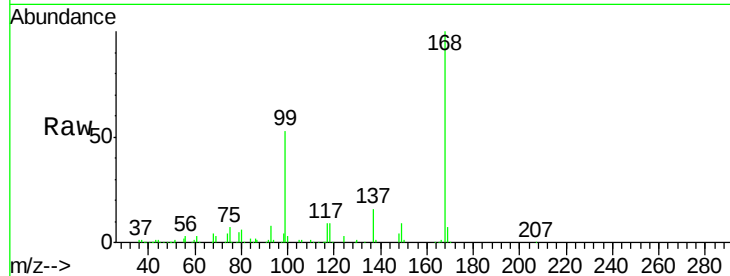




#38
Carbon Tetrachloride
Concen: 6.59 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW002365.D
Acq: 10 May 2018 08:00

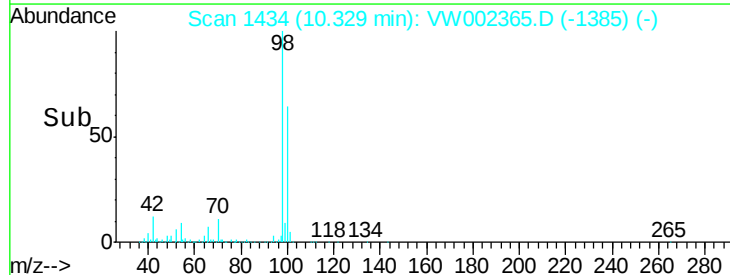
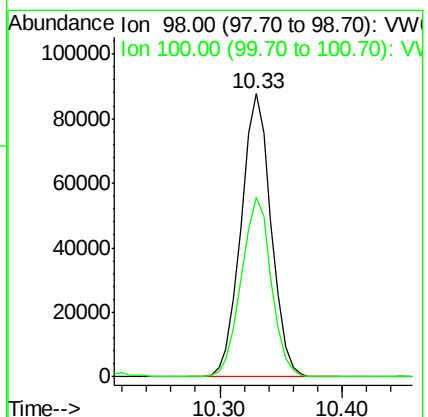
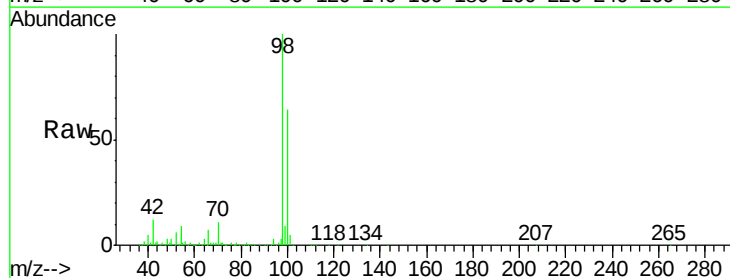
Instrument :
MSVOA_W
ClientSampleId :
PL-02-050418-BRE

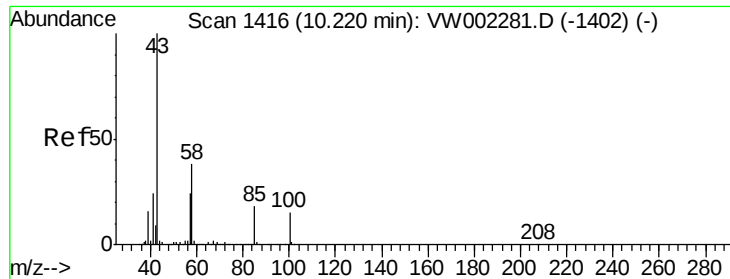
Tgt Ion:117 Resp: 11600
Ion Ratio Lower Upper
117 100
119 3.2 77.5 116.3#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 30.38 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002365.D
Acq: 10 May 2018 08:00

Tgt Ion: 98 Resp: 149390
Ion Ratio Lower Upper
98 100
100 63.3 51.4 77.2

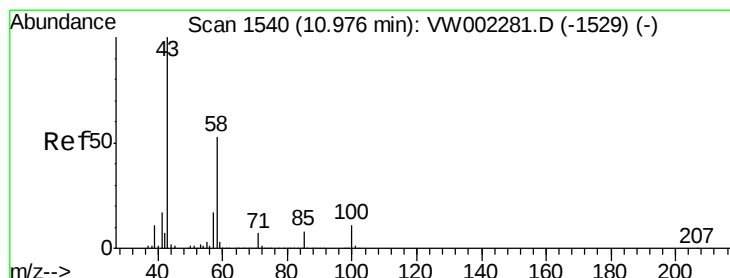
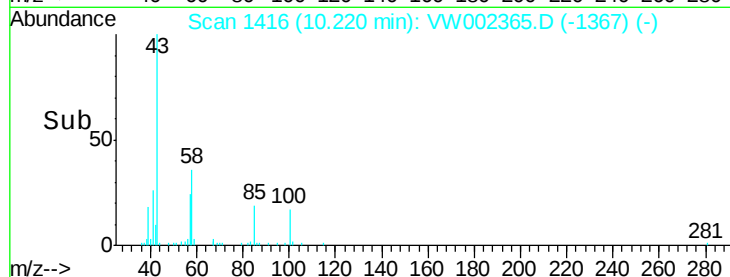
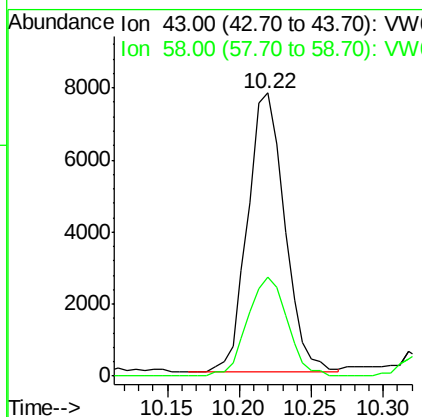
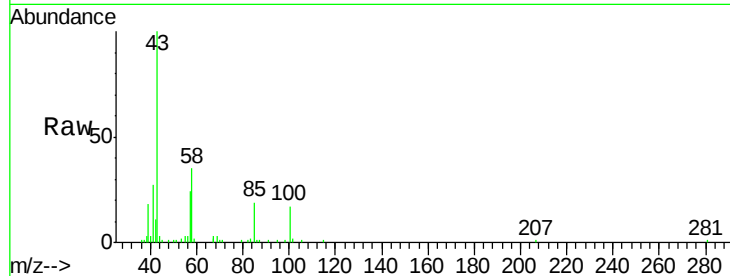




#51
 4-Methyl-2-Pentanone
 Concen: 14.87 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VW002365.D
 Acq: 10 May 2018 08:00

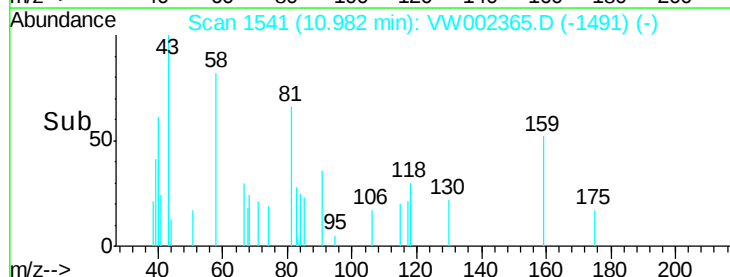
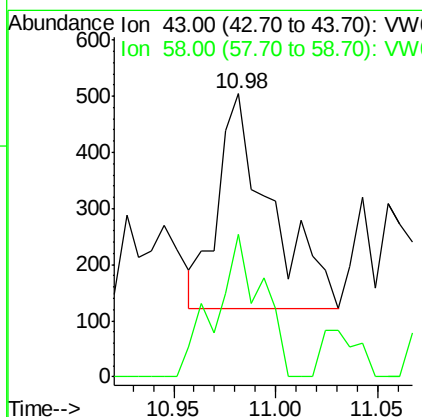
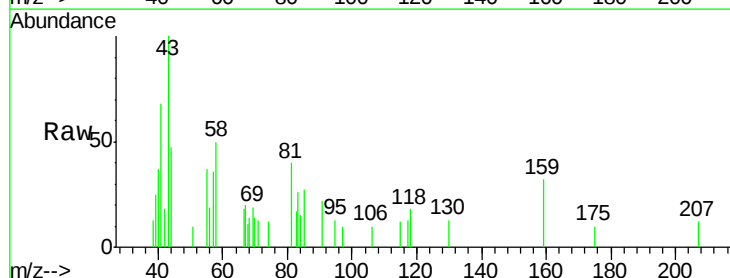
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-050418-BRE

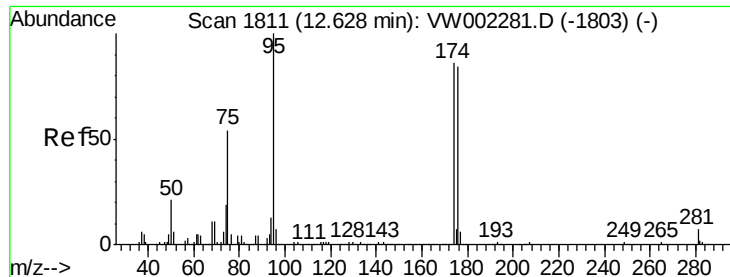
Tgt Ion: 43 Resp: 13799
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.2 45.2



#59
 2-Hexanone
 Concen: 1.08 ug/l
 RT: 10.98 min Scan# 1541
 Delta R.T. 0.01 min
 Lab File: VW002365.D
 Acq: 10 May 2018 08:00

Tgt Ion: 43 Resp: 686
 Ion Ratio Lower Upper
 43 100
 58 58.5 26.0 78.0

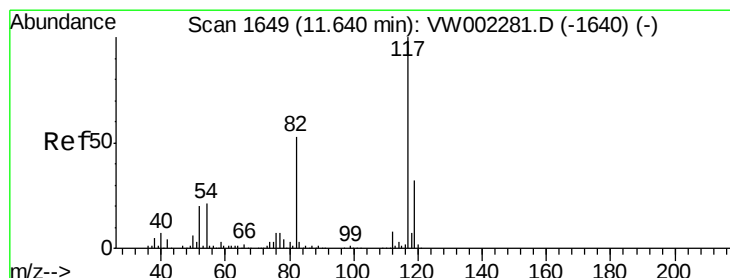
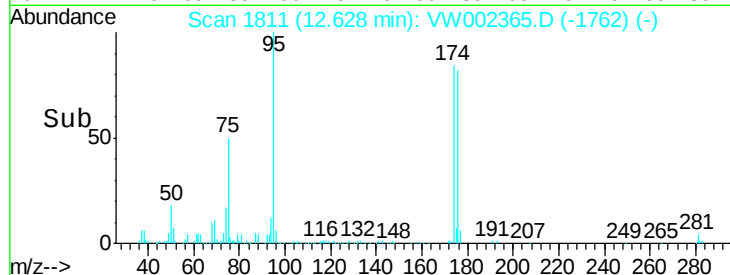
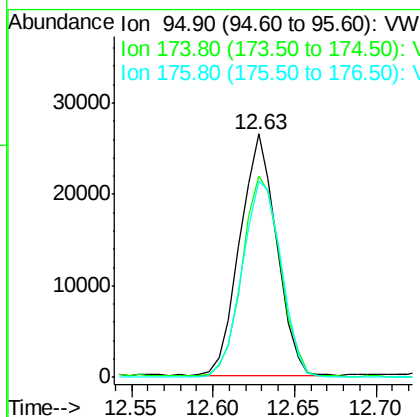
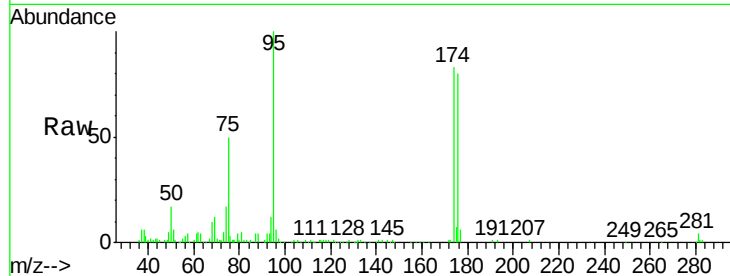




#62
4-Bromofluorobenzene
Concen: 23.28 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW002365.D
Acq: 10 May 2018 08:00

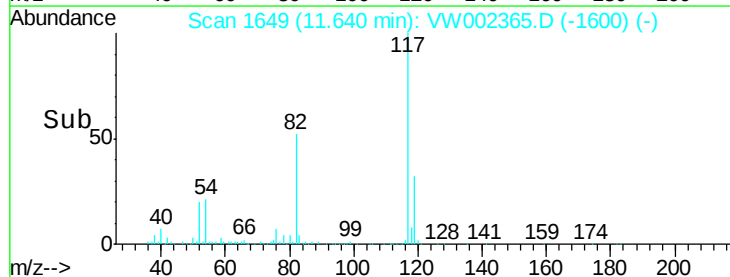
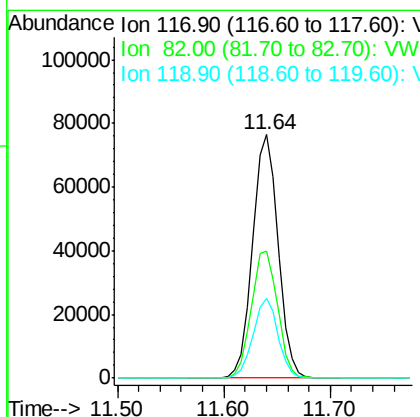
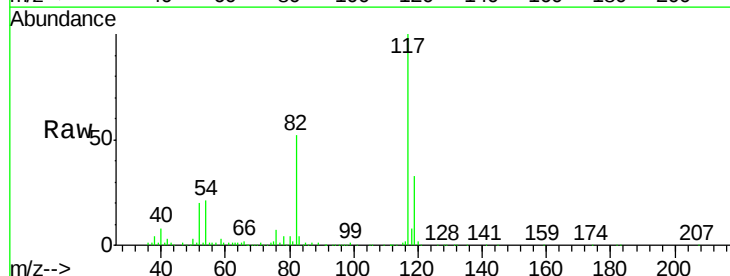
Instrument :
MSVOA_W
ClientSampleId :
PL-02-050418-BRE

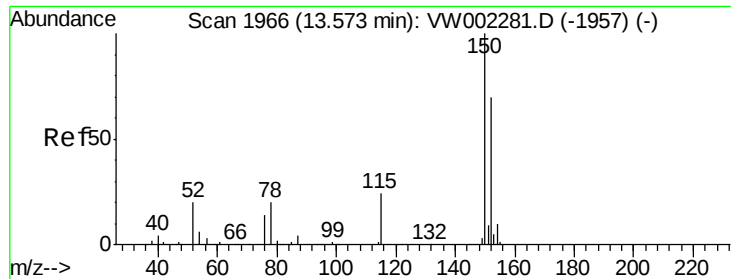
Tgt Ion: 95 Resp: 41373
Ion Ratio Lower Upper
95 100
174 87.7 0.0 176.8
176 86.7 0.0 170.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002365.D
Acq: 10 May 2018 08:00

Tgt Ion: 117 Resp: 129186
Ion Ratio Lower Upper
117 100
82 52.2 42.6 63.8
119 32.4 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW002365.D

Acq: 10 May 2018 08:00

Instrument :

MSVOA_W

ClientSampleId :

PL-02-050418-BRE

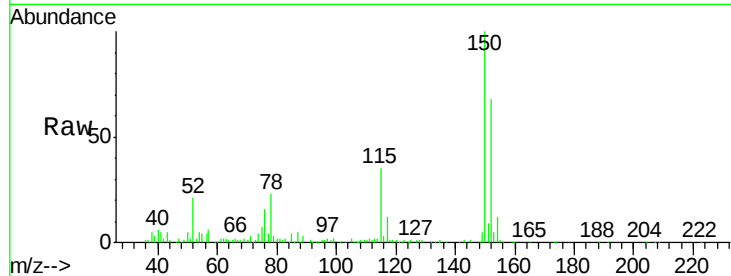
Tgt Ion:152 Resp: 35595

Ion Ratio Lower Upper

152 100

115 54.6 28.5 85.5

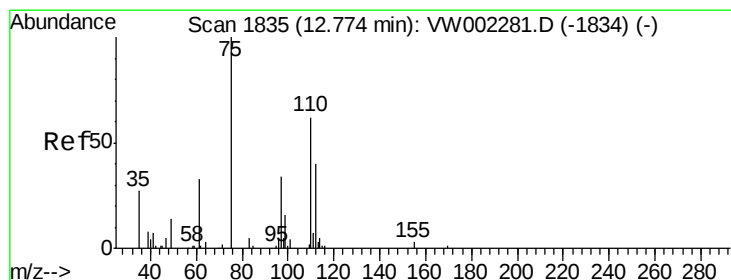
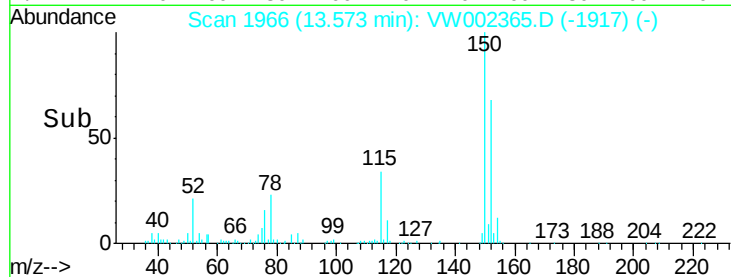
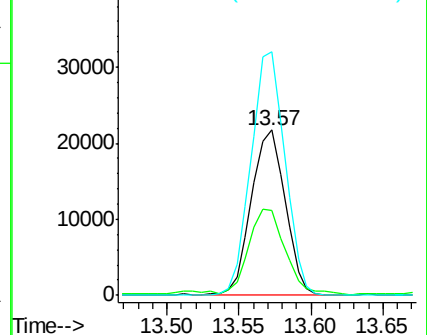
150 146.9 0.0 342.6



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: 68.37 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002365.D

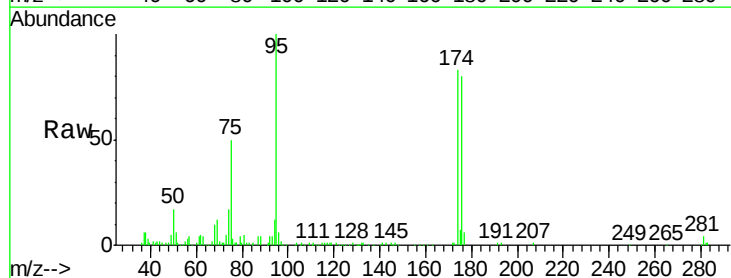
Acq: 10 May 2018 08:00

Tgt Ion: 75 Resp: 21580

Ion Ratio Lower Upper

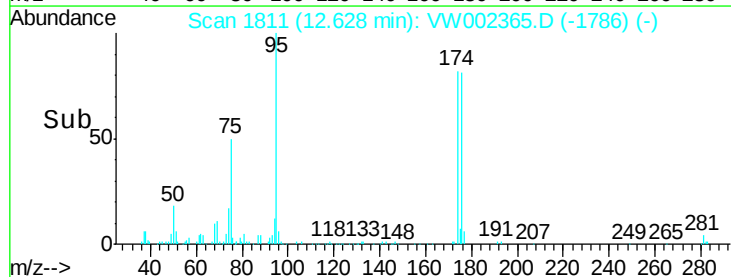
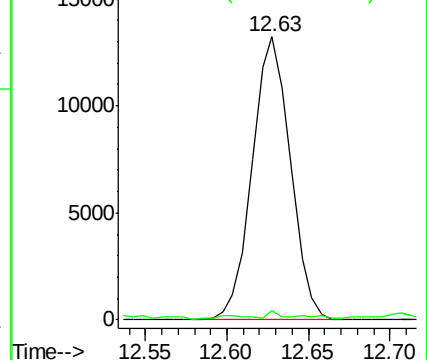
75 100

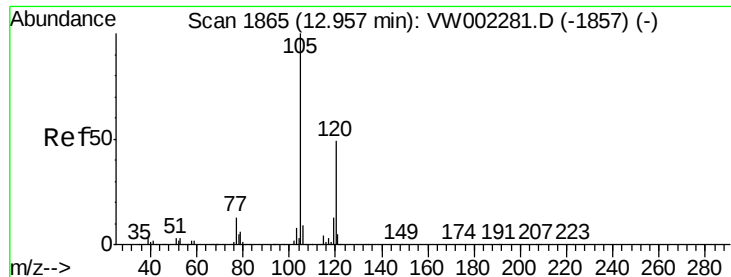
77 0.9 187.5 562.6#



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: 3.31 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW002365.D

Acq: 10 May 2018 08:00

Instrument :

MSVOA_W

ClientSampleId :

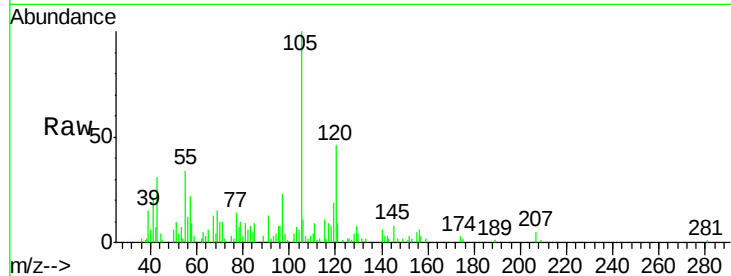
PL-02-050418-BRE

Tgt Ion: 105 Resp: 6433

Ion Ratio Lower Upper

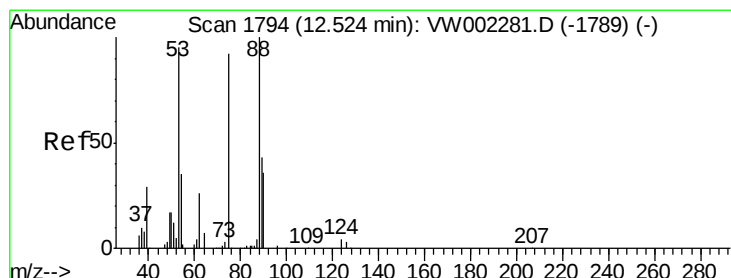
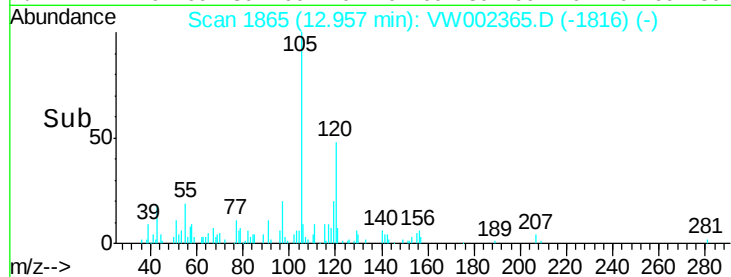
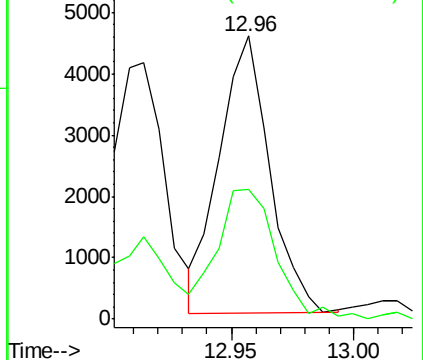
105 100

120 55.5 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: 180.09 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002365.D

Acq: 10 May 2018 08:00

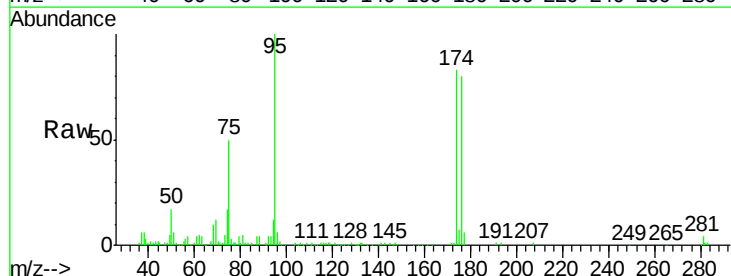
Tgt Ion: 75 Resp: 21580

Ion Ratio Lower Upper

75 100

53 0.8 79.9 119.9#

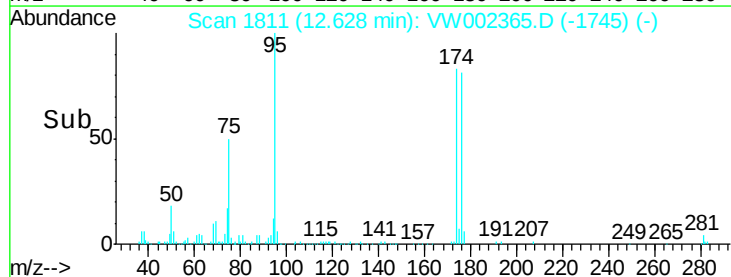
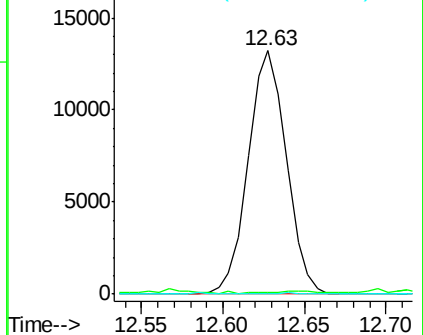
89 0.2 37.6 56.4#

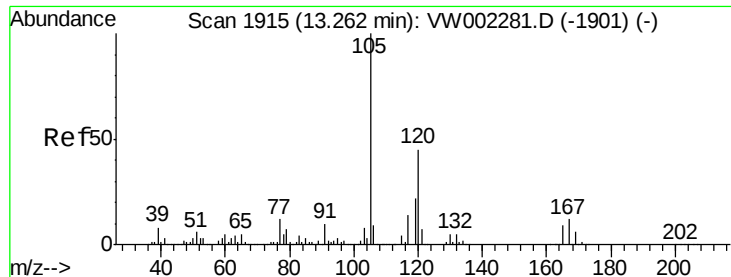


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

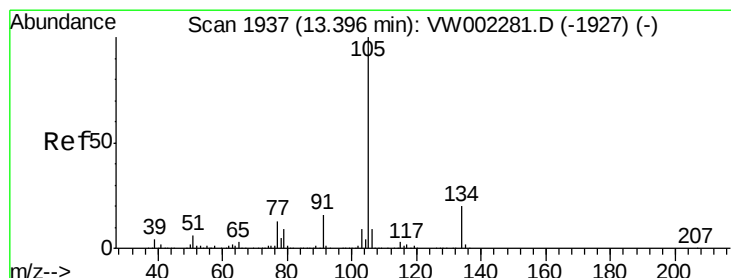
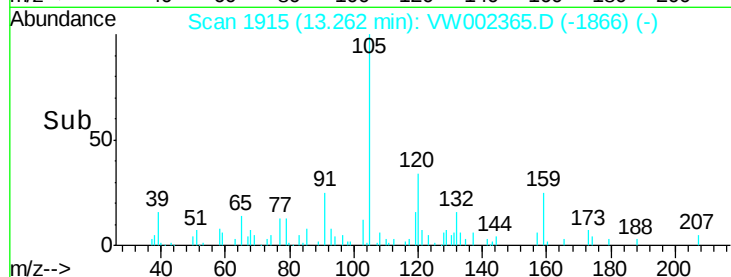
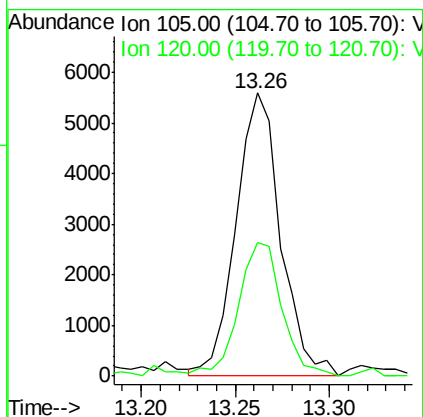
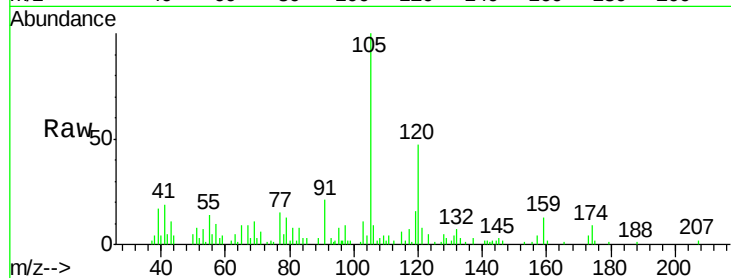




#84
1,2,4-Trimethylbenzene
Concen: 4.56 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW002365.D
Acq: 10 May 2018 08:00

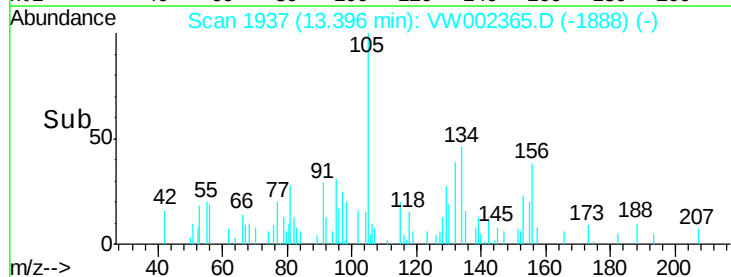
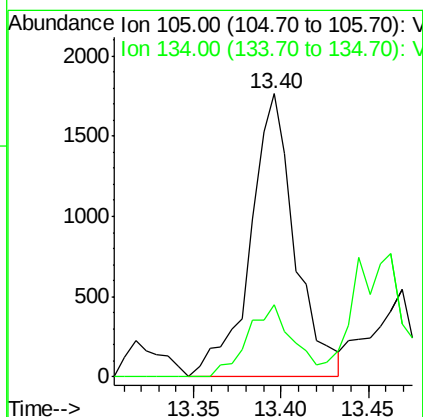
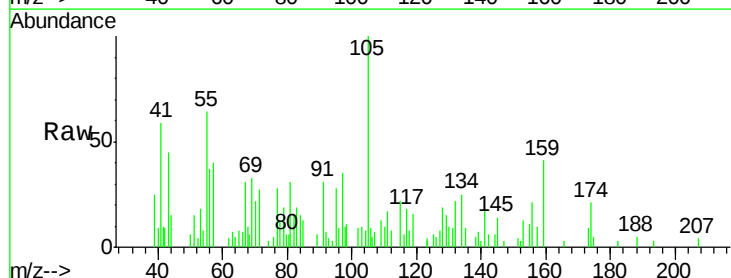
Instrument :
MSVOA_W
ClientSampleId :
PL-02-050418-BRE

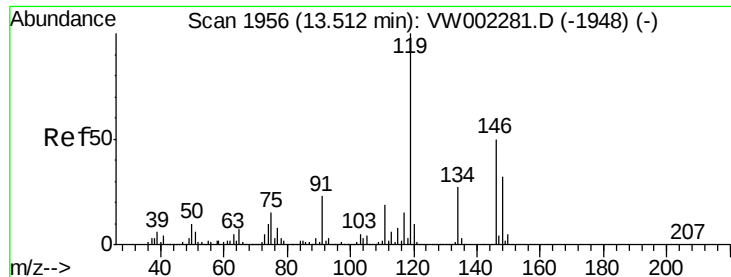
Tgt Ion:105 Resp: 9187
Ion Ratio Lower Upper
105 100
120 46.0 22.5 67.5



#85
sec-Butylbenzene
Concen: 1.31 ug/l
RT: 13.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VW002365.D
Acq: 10 May 2018 08:00

Tgt Ion:105 Resp: 3136
Ion Ratio Lower Upper
105 100
134 25.7 10.3 30.8

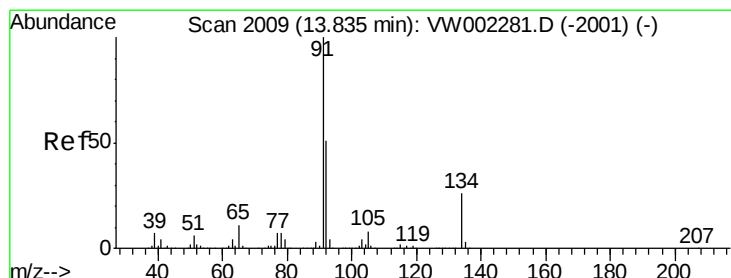
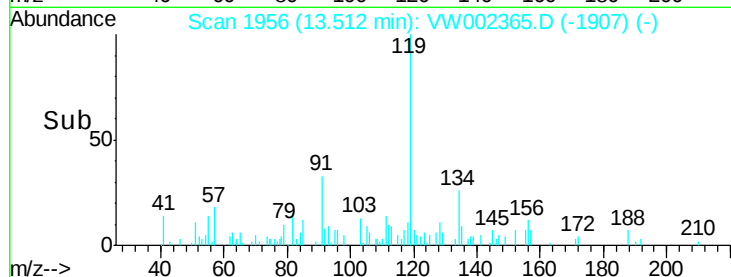
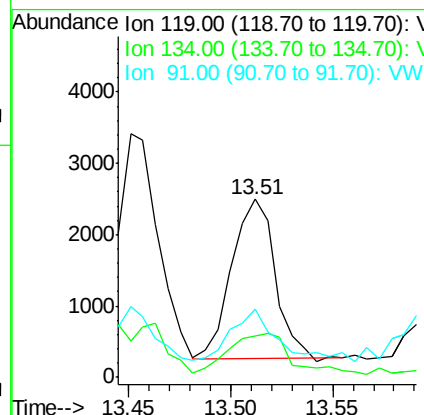
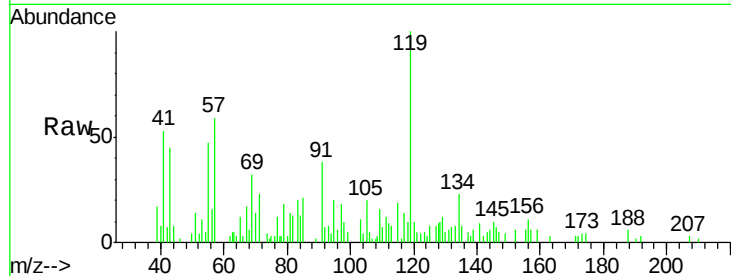




#86
p-Isopropyltoluene
Concen: 1.54 ug/l
RT: 13.51 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW002365.D
Acq: 10 May 2018 08:00

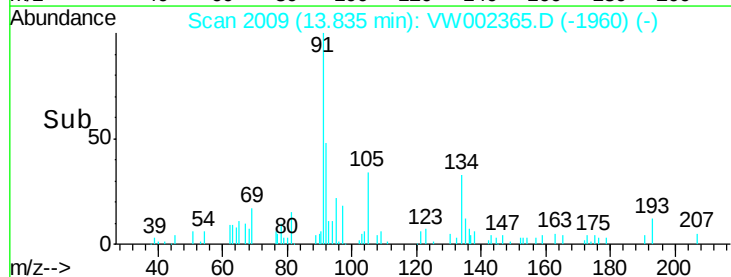
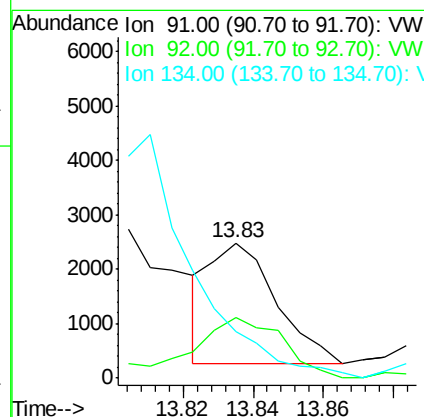
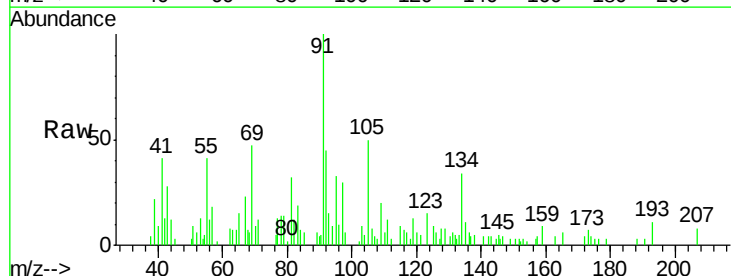
Instrument :
MSVOA_W
ClientSampleId :
PL-02-050418-BRE

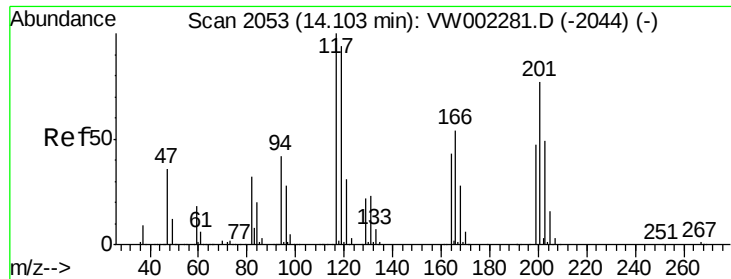
Tgt Ion: 119 Resp: 3292
Ion Ratio Lower Upper
119 100
134 35.4 13.3 39.9
91 31.8 11.8 35.3



#89
n-Butylbenzene
Concen: 1.44 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW002365.D
Acq: 10 May 2018 08:00

Tgt Ion: 91 Resp: 2886
Ion Ratio Lower Upper
91 100
92 64.3 25.9 77.8
134 0.0 13.1 39.1#





#90

Hexachloroethane

Concen: 4.78 ug/l

RT: 14.12 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VW002365.D

Acq: 10 May 2018 08:00

Instrument :

MSVOA_W

ClientSampleId :

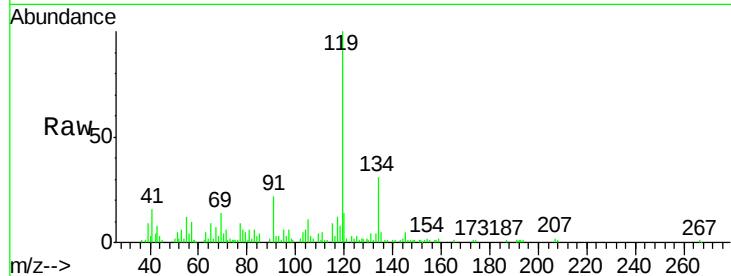
PL-02-050418-BRE

Tgt Ion:117 Resp: 1826

Ion Ratio Lower Upper

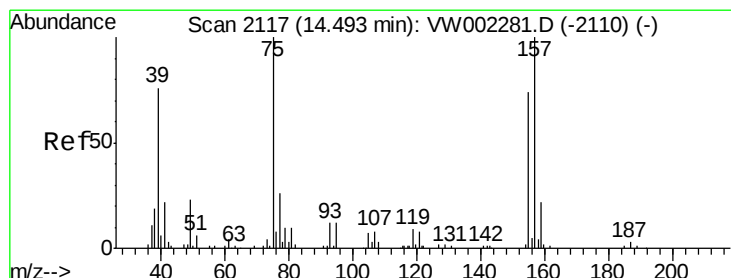
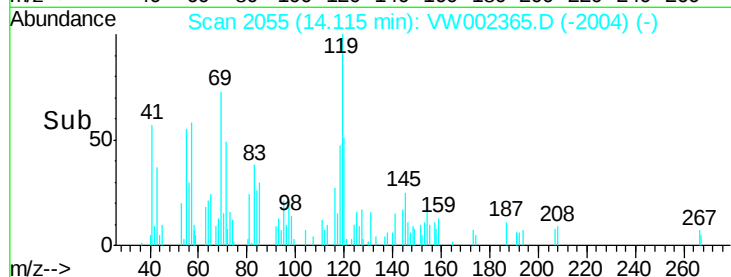
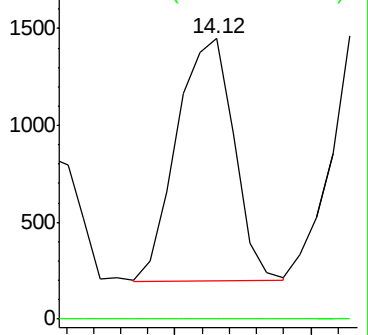
117 100

201 0.0 42.2 126.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.09 ug/l

RT: 14.51 min Scan# 2120

Delta R.T. 0.02 min

Lab File: VW002365.D

Acq: 10 May 2018 08:00

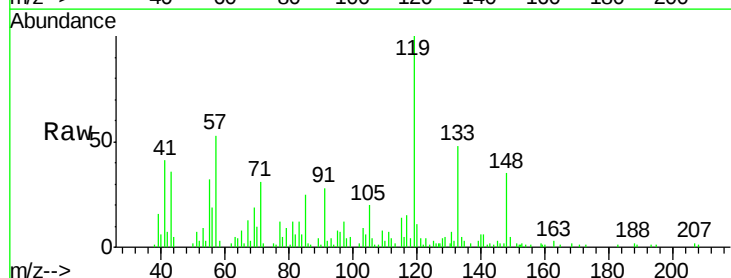
Tgt Ion: 75 Resp: 239

Ion Ratio Lower Upper

75 100

155 29.3 43.3 129.8#

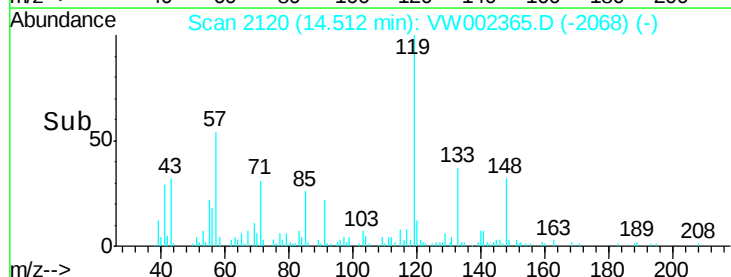
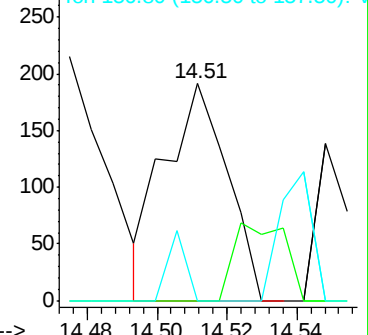
157 9.6 55.8 167.4#

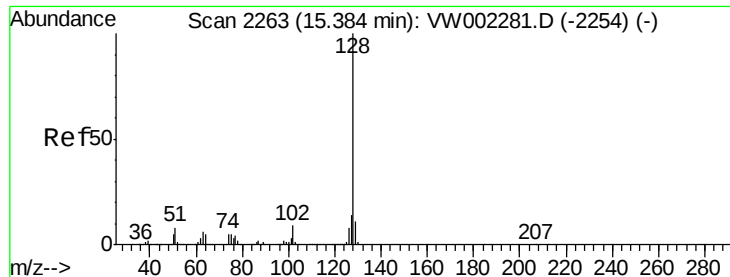


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

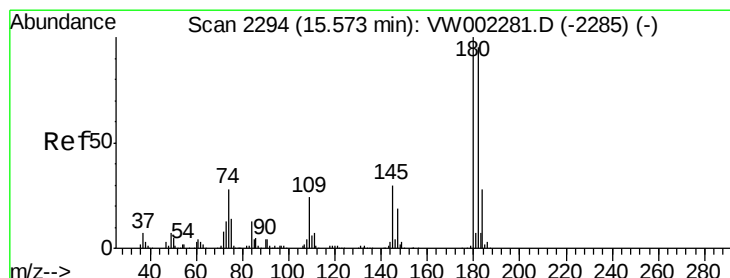
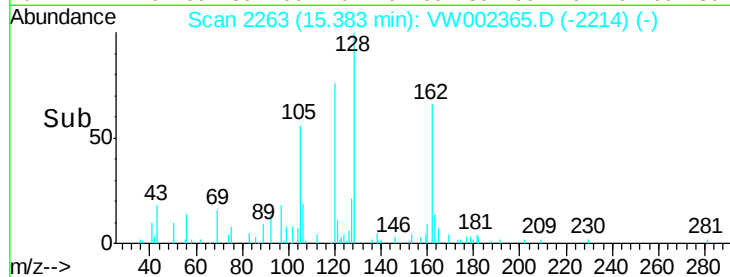
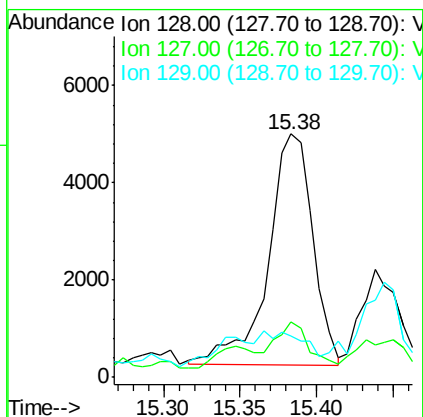
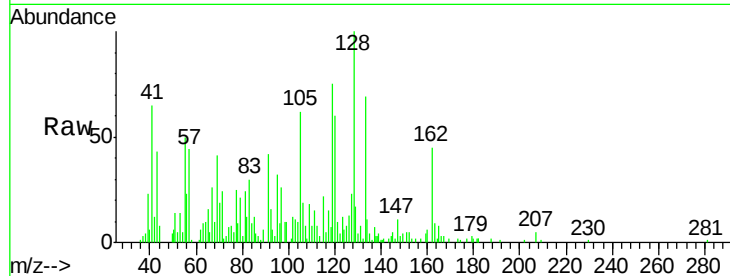




#95
Naphthalene
Concen: 6.97 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VW002365.D
Acq: 10 May 2018 08:00

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

Tgt Ion:128 Resp: 9592
Ion Ratio Lower Upper
128 100
127 15.3 11.0 16.4
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.28 ug/l
RT: 15.60 min Scan# 2298
Delta R.T. 0.02 min
Lab File: VW002365.D
Acq: 10 May 2018 08:00

Tgt Ion:180 Resp: 857
Ion Ratio Lower Upper
180 100
182 0.0 48.0 144.0#
145 0.0 15.7 47.0#

