

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW050818\
 Data File : VW002314.D
 Acq On : 09 May 2018 01:15
 Operator : JC/SY
 Sample : J2677-01
 Misc : 4.93G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-03-050418

Quant Time: May 09 08:32:25 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	193337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	299701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	210693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	62022	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	96339	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
35) Dibromofluoromethane	7.88	113	87134	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
50) Toluene-d8	10.33	98	237676	32.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.90%	
62) 4-Bromofluorobenzene	12.63	95	71205	26.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	53.80%	

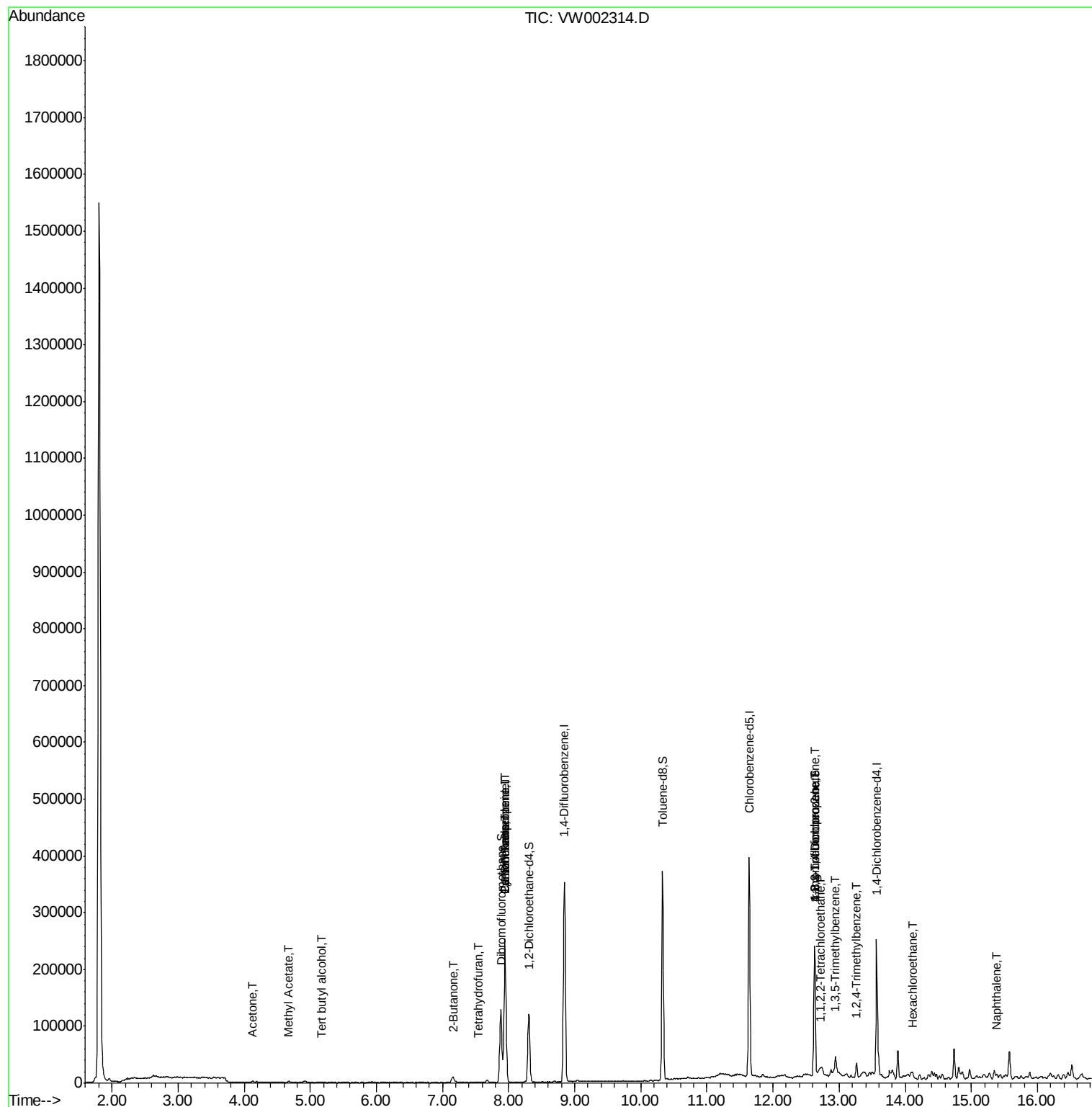
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	239	1.60	ug/l #	7
16) Acetone	4.13	43	3026	7.55	ug/l	97
18) Methyl Acetate	4.67	43	3268	2.72	ug/l	93
25) 2-Butanone	7.16	43	1120	1.88	ug/l	91
29) Tetrahydrofuran	7.55	42	524	1.34	ug/l #	56
31) Cyclohexane	7.95	56	4633	1.52	ug/l #	24
36) 1,1-Dichloropropene	7.94	75	14345	5.29	ug/l #	51
38) Carbon Tetrachloride	7.95	117	17949	6.85	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	12.73	83	4041	5.19	ug/l #	33
76) 1,2,3-Trichloropropane	12.63	75	36493	66.35	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.95	105	4993	1.47	ug/l	86
81) trans-1,4-Dichloro-2-buten	12.63	75	36493	174.78	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.26	105	13944	3.97	ug/l	99
90) Hexachloroethane	14.12	117	693	1.04	ug/l #	12
95) Naphthalene	15.38	128	6596	2.75	ug/l #	89

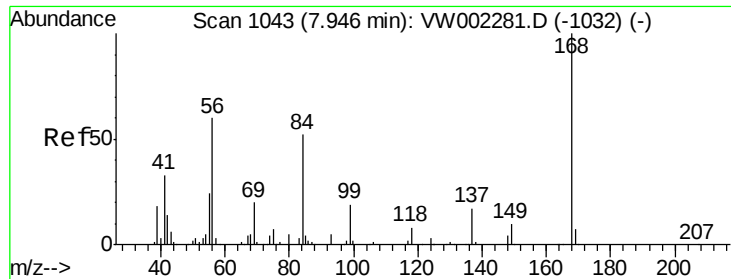
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 08 03:57:58 2018
Response via : Initial Calibration

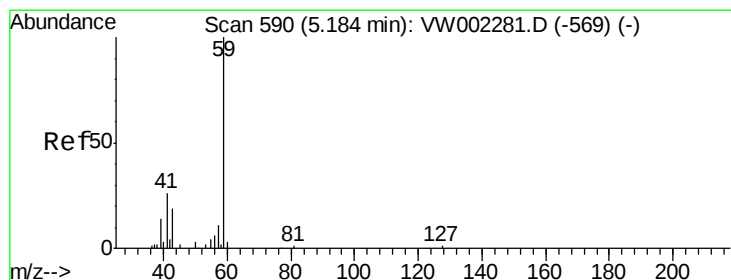
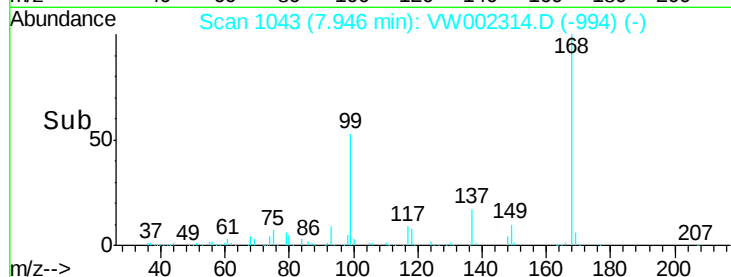
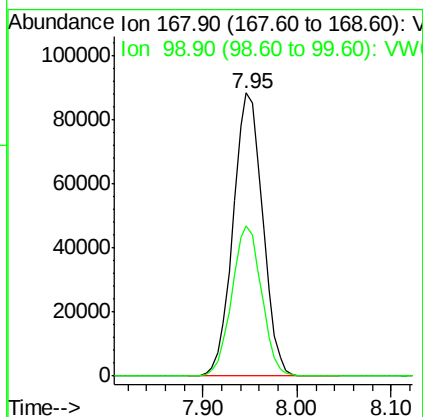
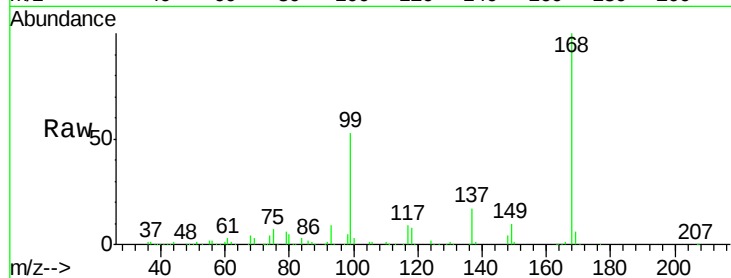




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VW002314.D
Acq: 09 May 2018 01:15

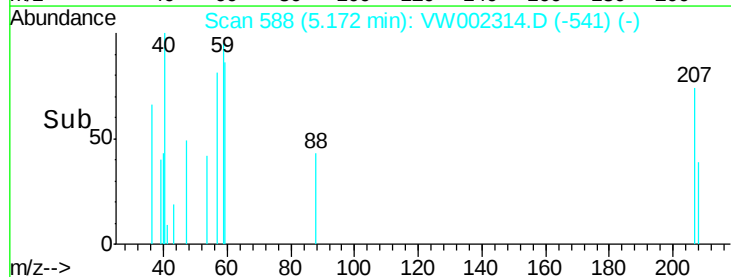
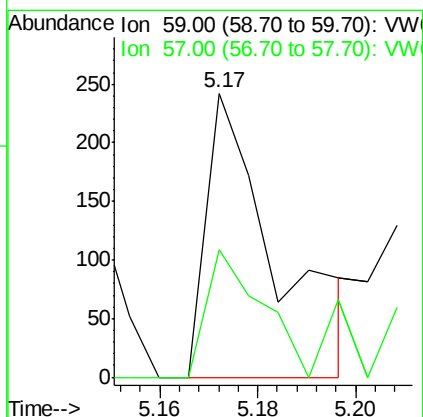
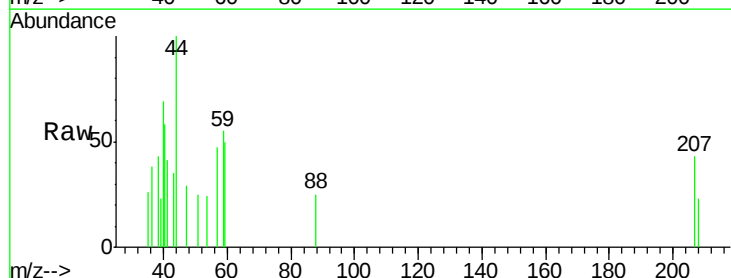
Instrument :
MSVOA_W
ClientSampleId :
OK-03-050418

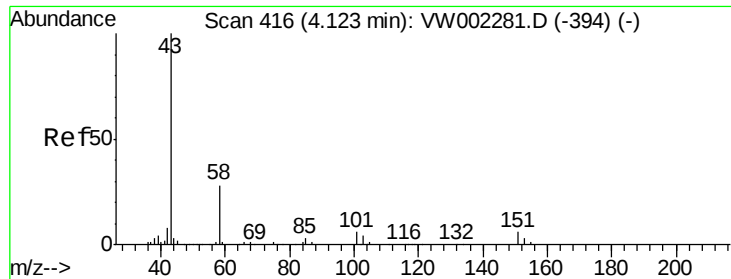
Tgt Ion: 168 Resp: 193337
Ion Ratio Lower Upper
168 100
99 52.9 43.7 65.5



#11
Tert butyl alcohol
Concen: 1.60 ug/l
RT: 5.17 min Scan# 588
Delta R.T. -0.01 min
Lab File: VW002314.D
Acq: 09 May 2018 01:15

Tgt Ion: 59 Resp: 239
Ion Ratio Lower Upper
59 100
57 35.6 3.9 5.9#





#16

Acetone

Concen: 7.55 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW002314.D

Acq: 09 May 2018 01:15

Instrument :

MSVOA_W

ClientSampleId :

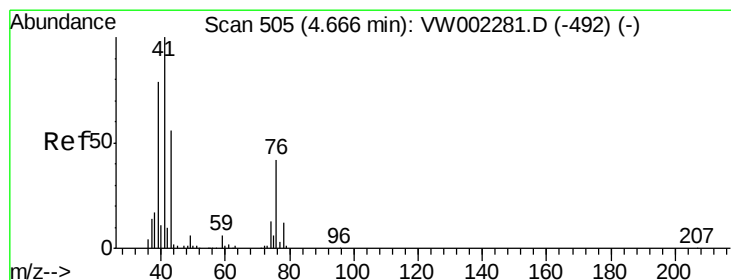
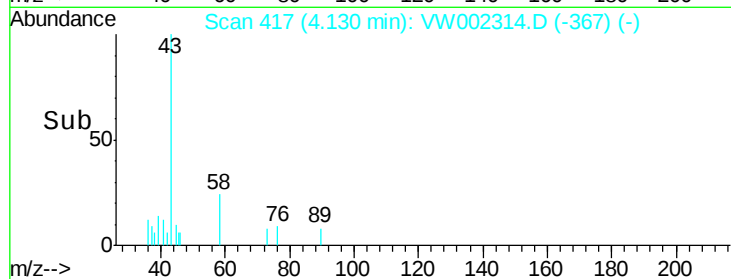
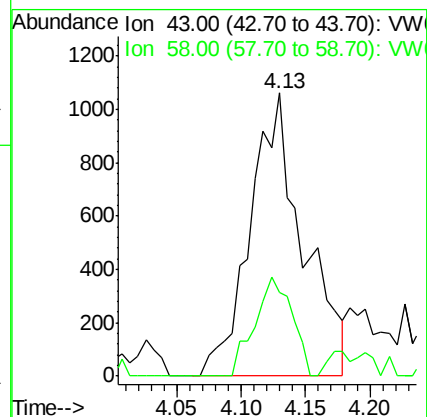
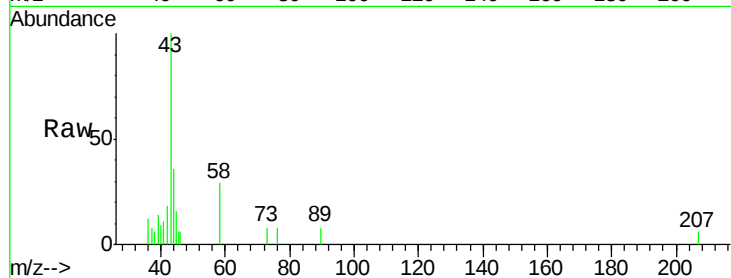
OK-03-050418

Tgt Ion: 43 Resp: 3026

Ion Ratio Lower Upper

43 100

58 29.5 22.2 33.4



#18

Methyl Acetate

Concen: 2.72 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW002314.D

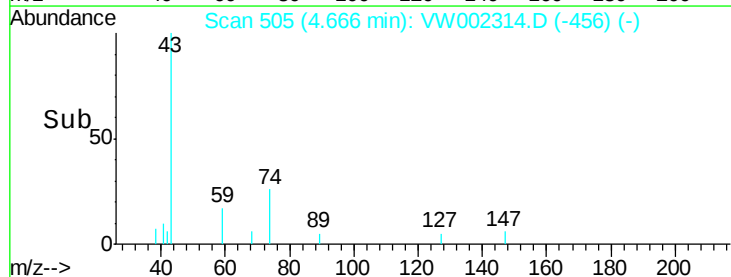
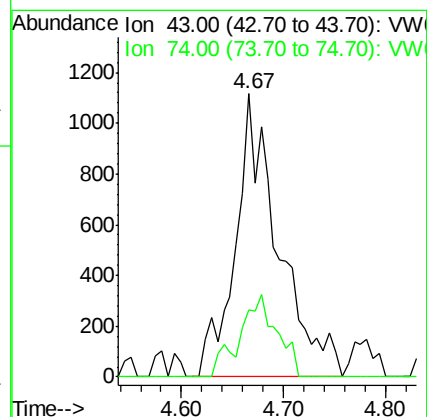
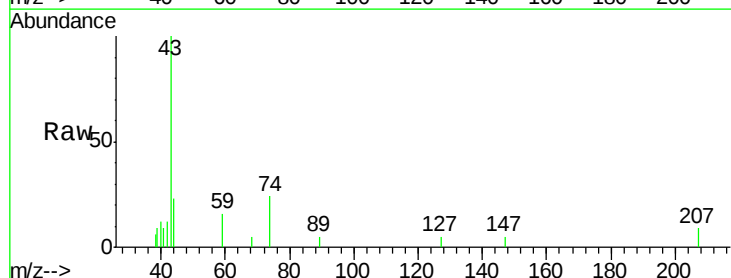
Acq: 09 May 2018 01:15

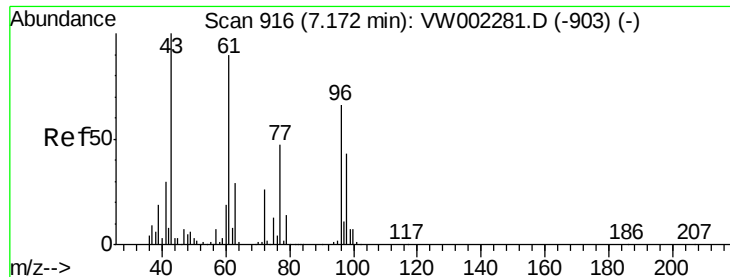
Tgt Ion: 43 Resp: 3268

Ion Ratio Lower Upper

43 100

74 20.8 19.4 29.2





#25

2-Butanone

Concen: 1.88 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002314.D

Acq: 09 May 2018 01:15

Instrument :

MSVOA_W

ClientSampleId :

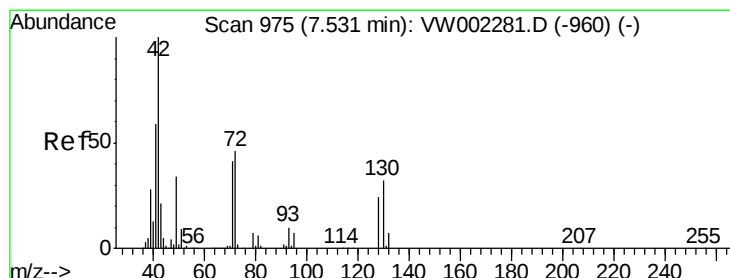
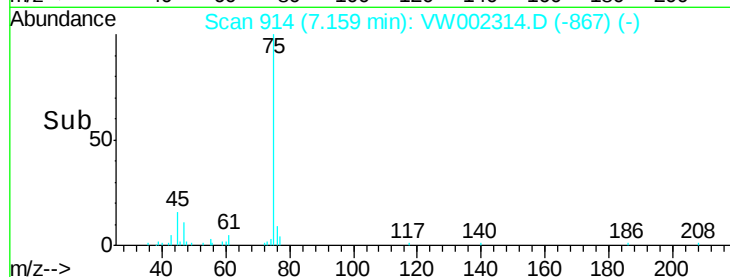
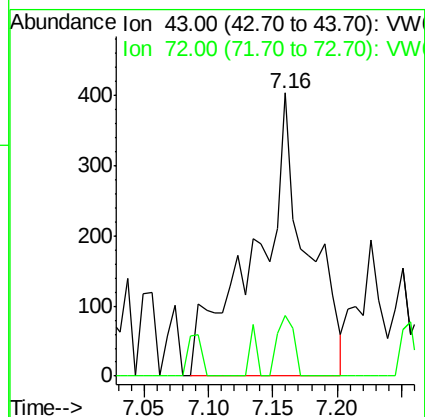
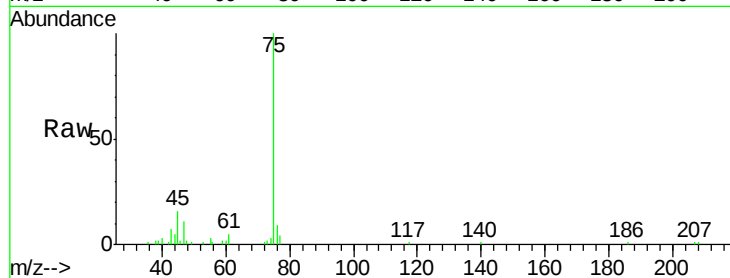
OK-03-050418

Tgt Ion: 43 Resp: 1120

Ion Ratio Lower Upper

43 100

72 21.3 20.6 31.0



#29

Tetrahydrofuran

Concen: 1.34 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.02 min

Lab File: VW002314.D

Acq: 09 May 2018 01:15

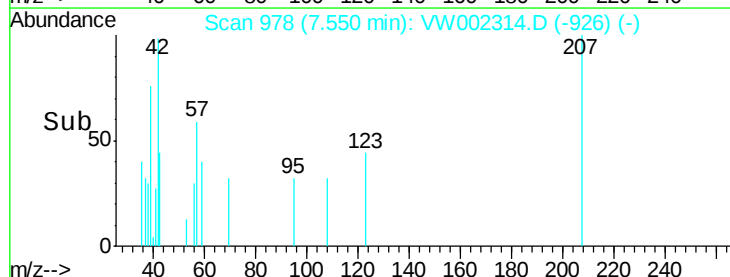
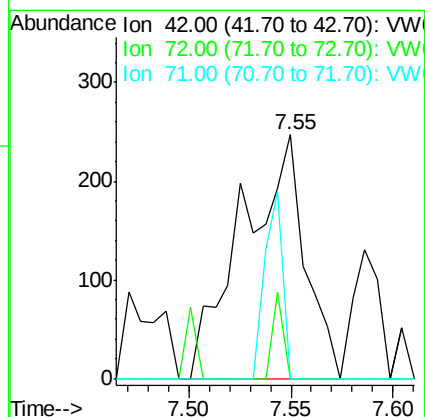
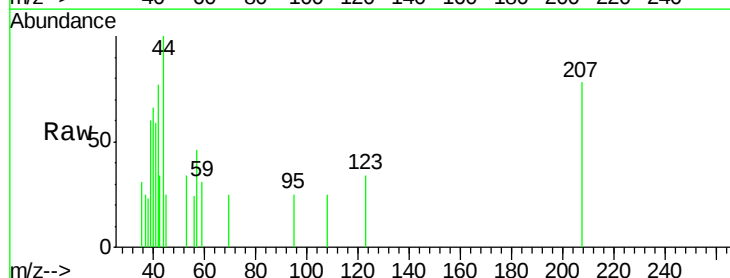
Tgt Ion: 42 Resp: 524

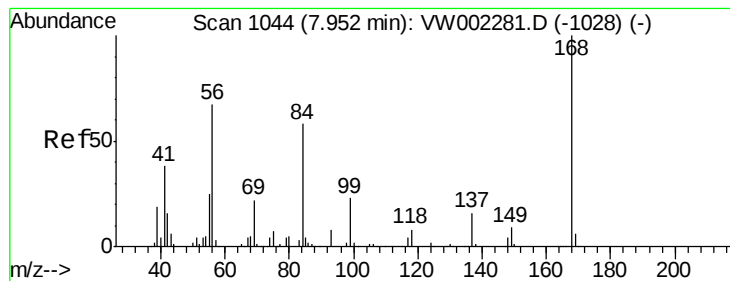
Ion Ratio Lower Upper

42 100

72 6.1 34.5 51.7#

71 22.3 33.0 49.6#





#31

Cyclohexane

Concen: 1.52 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW002314.D

Acq: 09 May 2018 01:15

Instrument :

MSVOA_W

ClientSampleId :

OK-03-050418

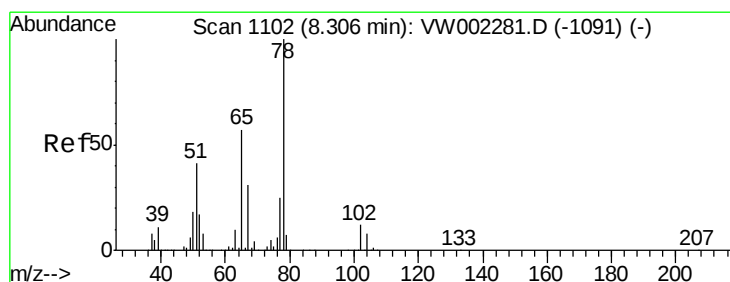
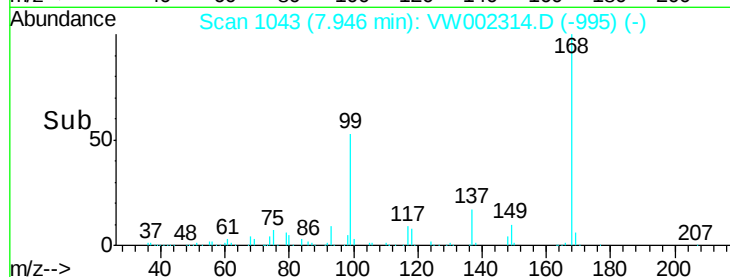
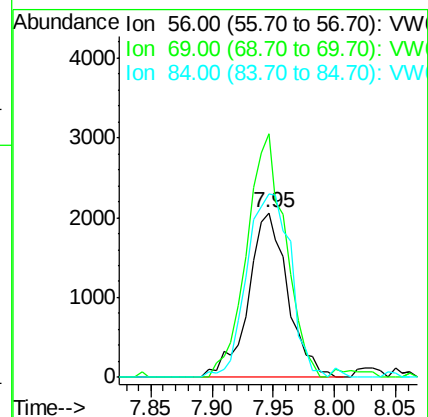
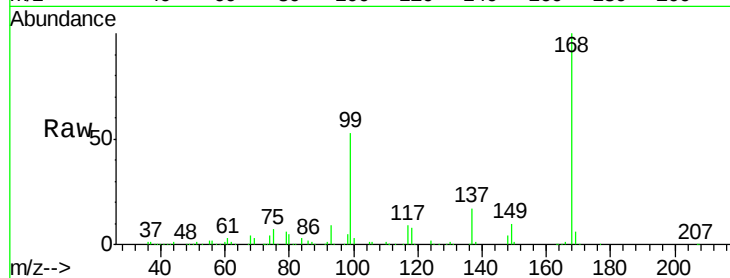
Tgt Ion: 56 Resp: 4633

Ion Ratio Lower Upper

56 100

69 148.2 26.2 39.4#

84 111.4 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 46.92 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW002314.D

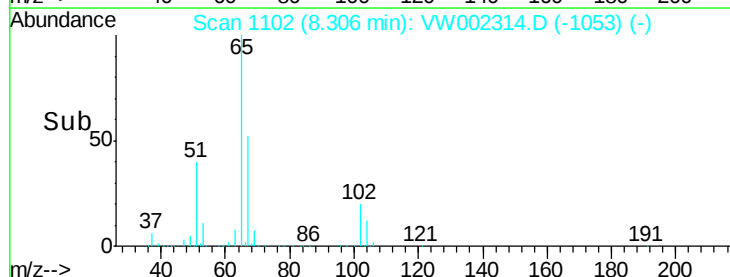
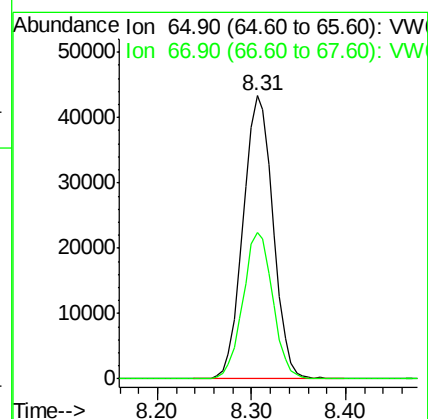
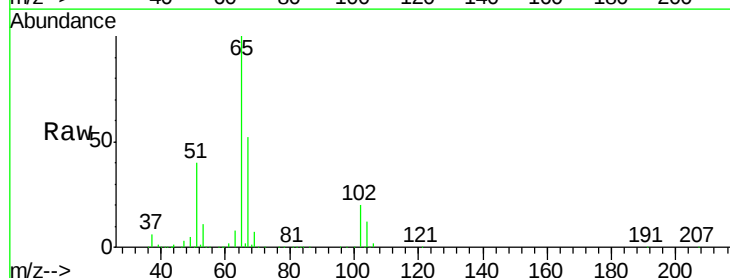
Acq: 09 May 2018 01:15

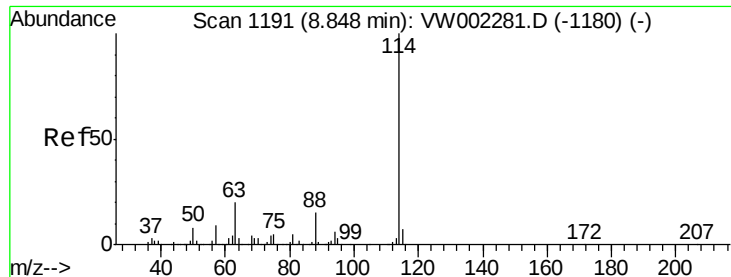
Tgt Ion: 65 Resp: 96339

Ion Ratio Lower Upper

65 100

67 51.3 0.0 107.2

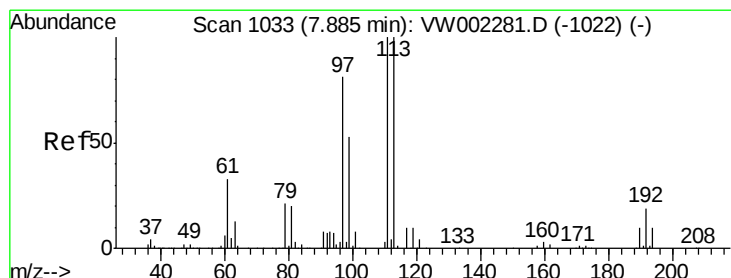
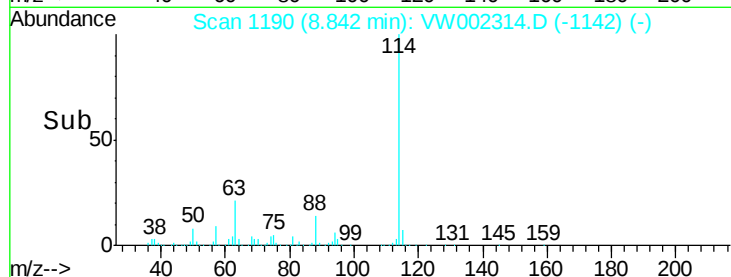
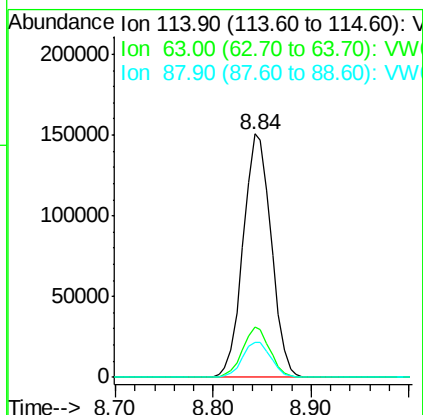
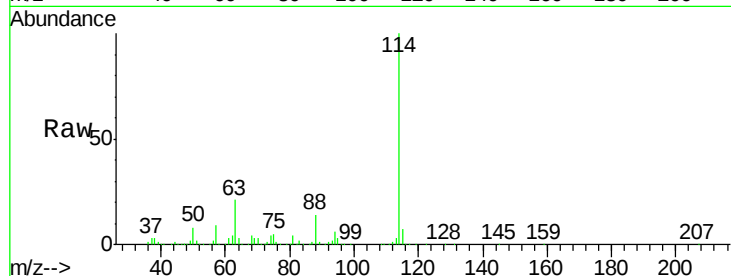




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW002314.D
 Acq: 09 May 2018 01:15

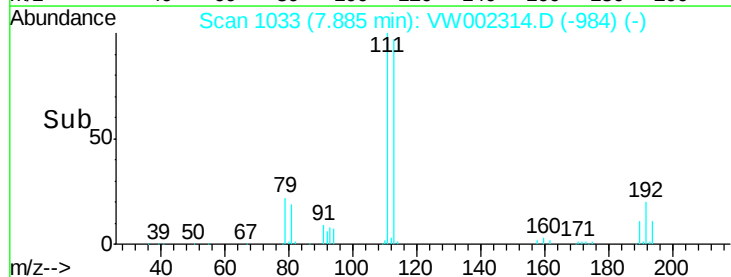
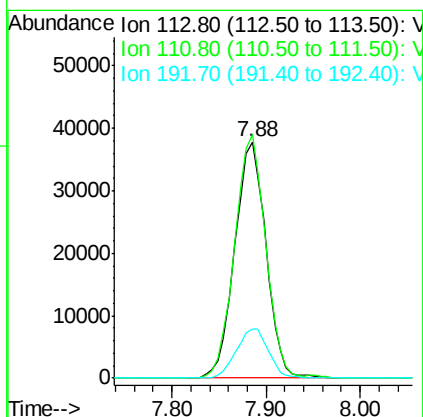
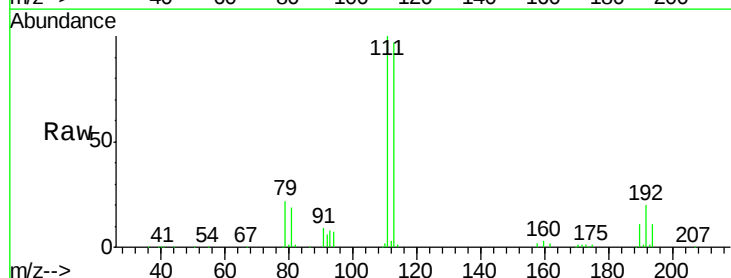
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 OK-03-050418

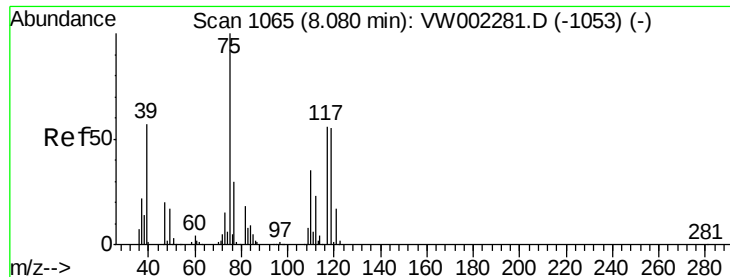
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.0
88	14.2	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 45.36 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW002314.D
 Acq: 09 May 2018 01:15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.5	122.3
192	21.5	16.4	24.6





#36

1,1-Dichloropropene

Concen: 5.29 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.14 min

Lab File: VW002314.D

Acq: 09 May 2018 01:15

Instrument :

MSVOA_W

ClientSampleId :

OK-03-050418

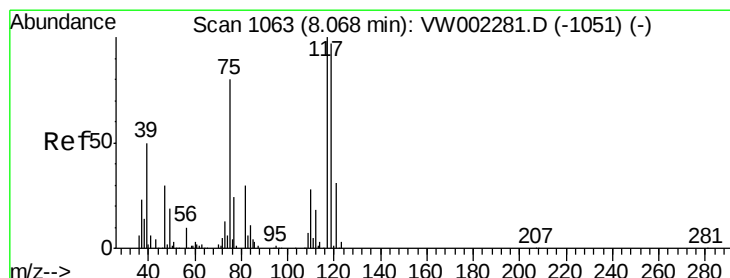
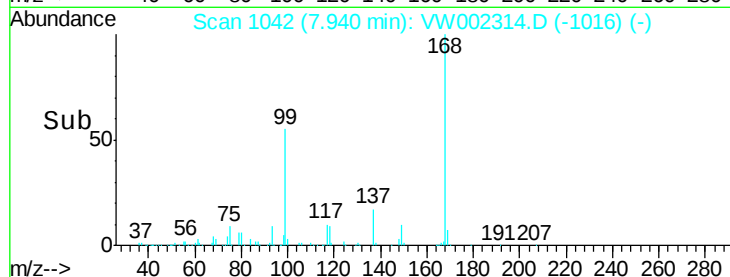
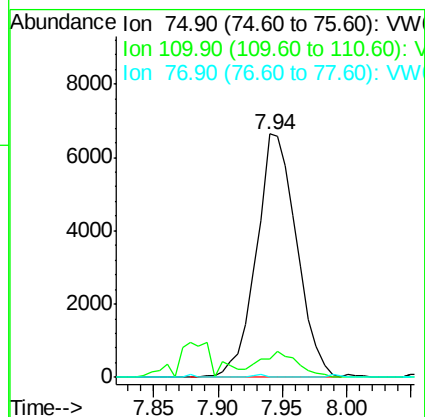
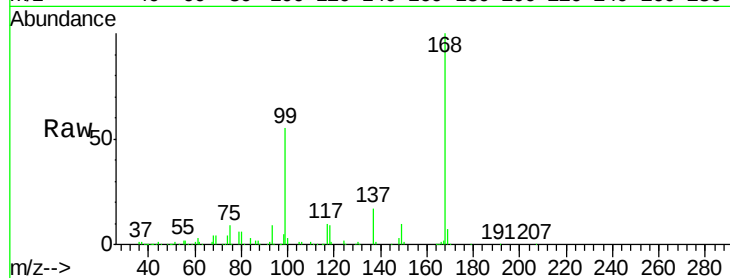
Tgt Ion: 75 Resp: 14345

Ion Ratio Lower Upper

75 100

110 10.0 18.1 54.1#

77 0.3 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.85 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002314.D

Acq: 09 May 2018 01:15

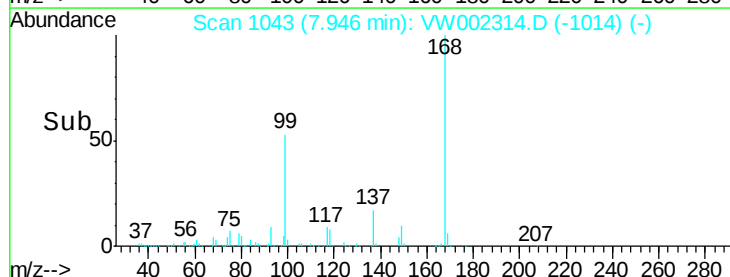
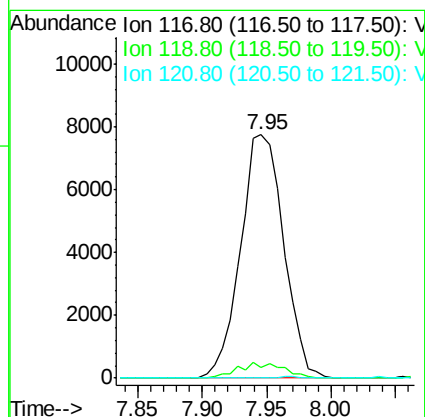
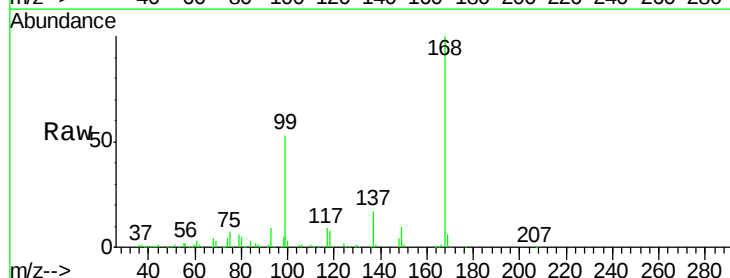
Tgt Ion: 117 Resp: 17949

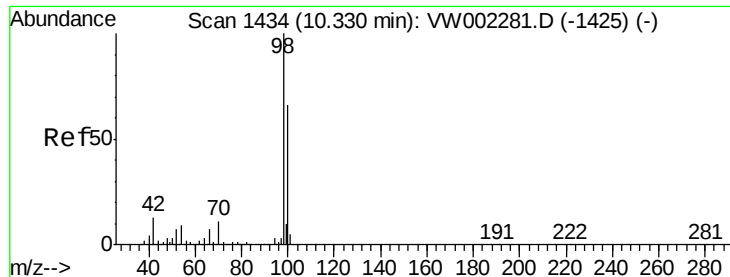
Ion Ratio Lower Upper

117 100

119 4.4 77.5 116.3#

121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 32.45 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW002314.D

Acq: 09 May 2018 01:15

Instrument :

MSVOA_W

ClientSampleId :

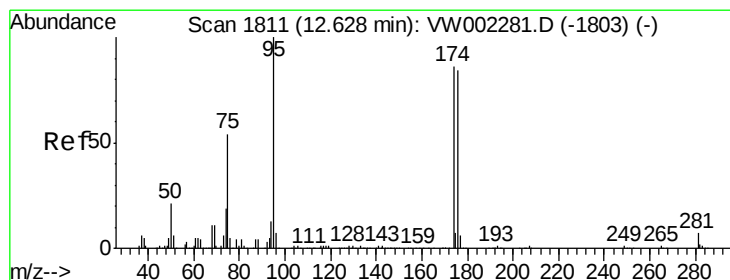
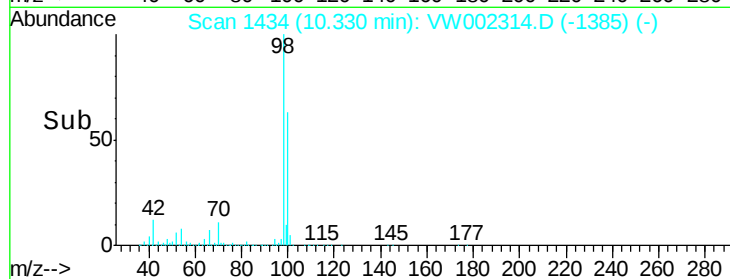
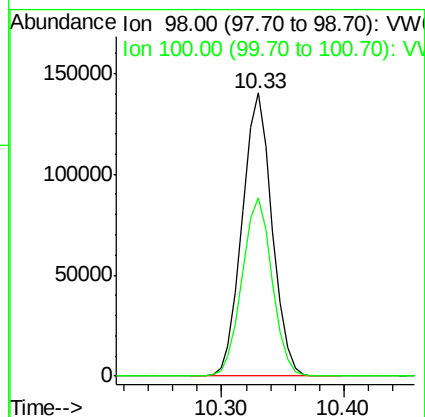
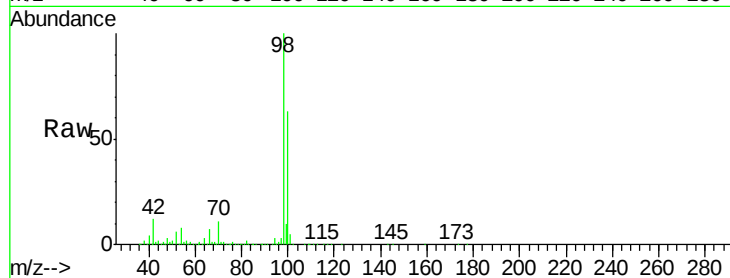
OK-03-050418

Tgt Ion: 98 Resp: 237676

Ion Ratio Lower Upper

98 100

100 63.2 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 26.90 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW002314.D

Acq: 09 May 2018 01:15

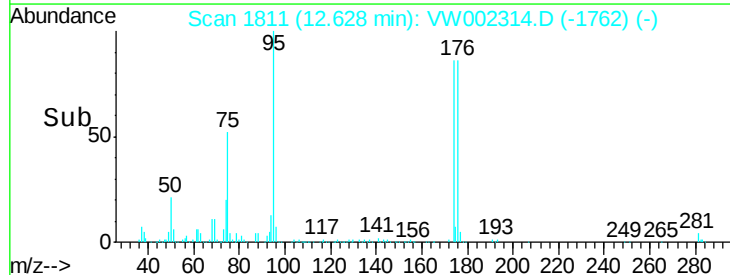
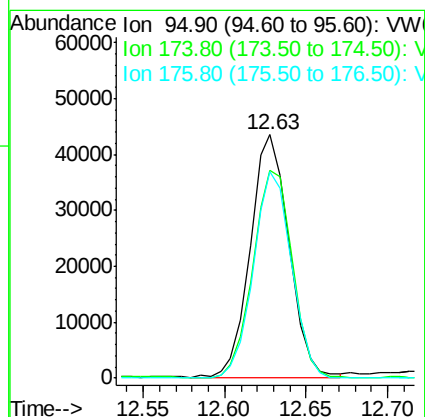
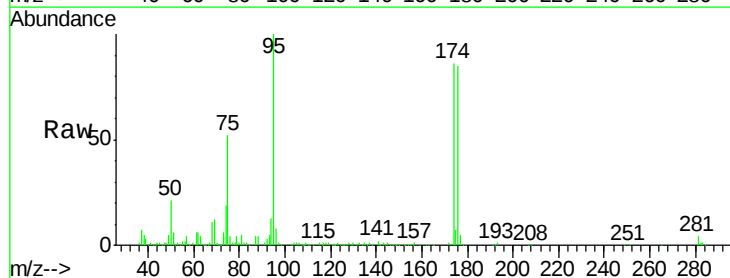
Tgt Ion: 95 Resp: 71205

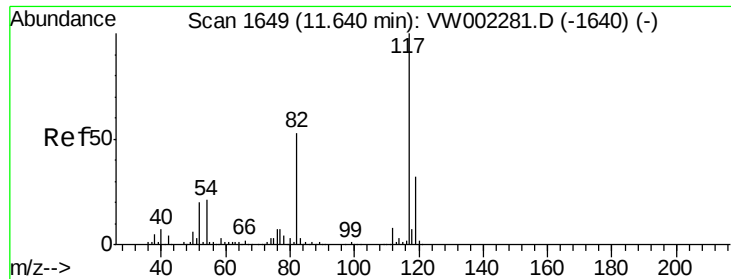
Ion Ratio Lower Upper

95 100

174 87.1 0.0 176.8

176 84.3 0.0 170.4

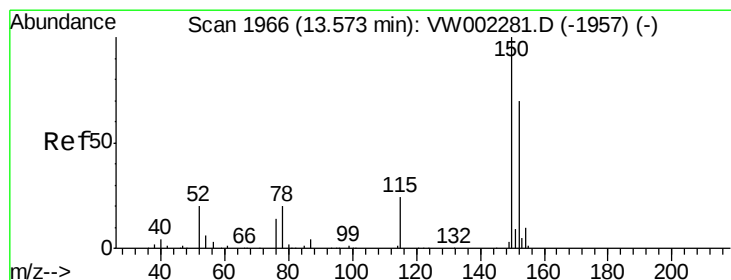
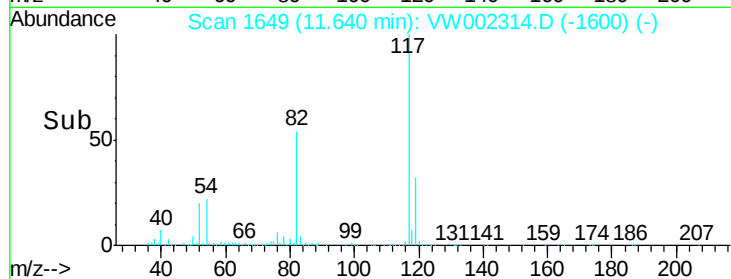
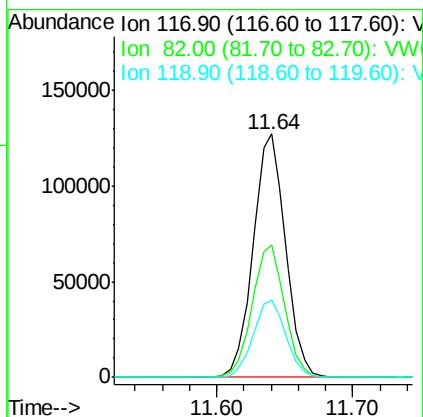
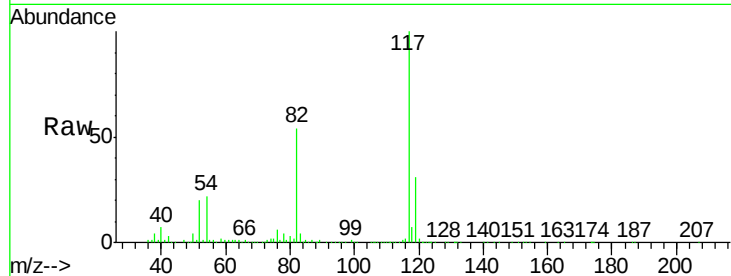




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW002314.D
Acq: 09 May 2018 01:15

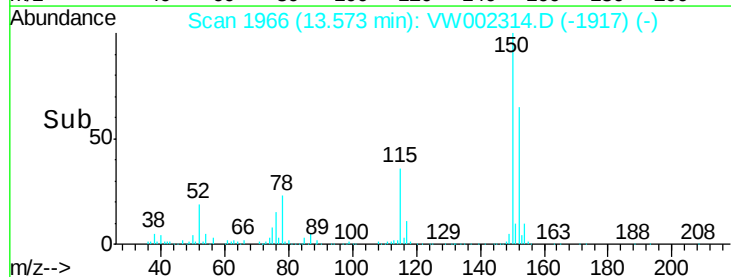
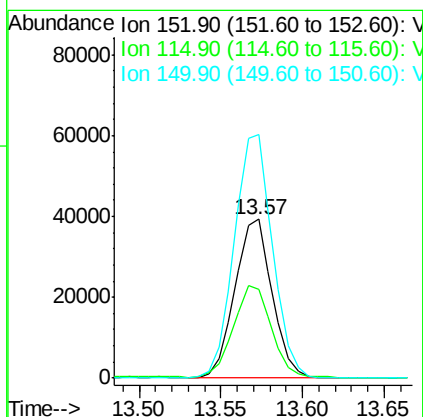
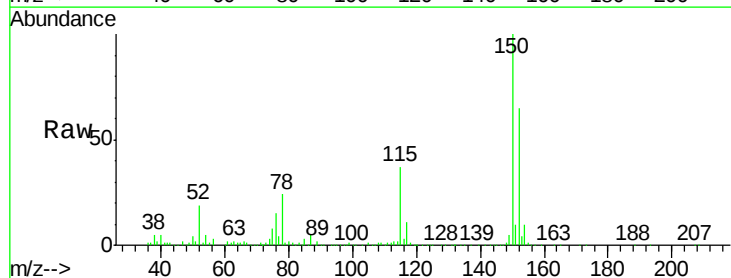
Instrument :
MSVOA_W
ClientSampleId :
OK-03-050418

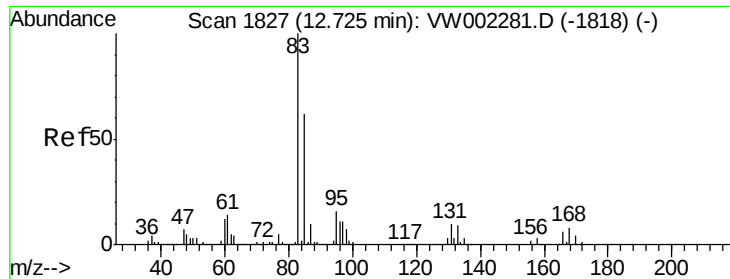
Tgt Ion:117 Resp: 210693
Ion Ratio Lower Upper
117 100
82 54.3 42.6 63.8
119 31.4 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VW002314.D
Acq: 09 May 2018 01:15

Tgt Ion:152 Resp: 62022
Ion Ratio Lower Upper
152 100
115 60.0 28.5 85.5
150 158.8 0.0 342.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.19 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VW002314.D

Acq: 09 May 2018 01:15

Instrument :

MSVOA_W

ClientSampleId :

OK-03-050418

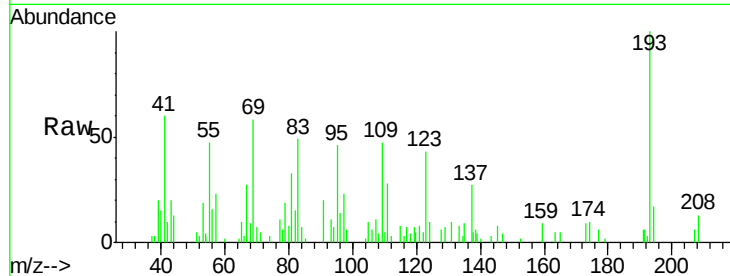
Tgt Ion: 83 Resp: 4041

Ion Ratio Lower Upper

83 100

131 7.2 5.5 16.5

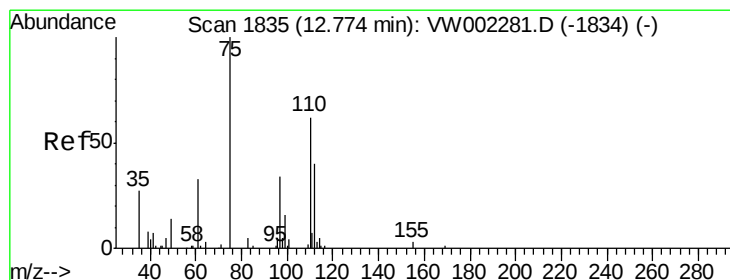
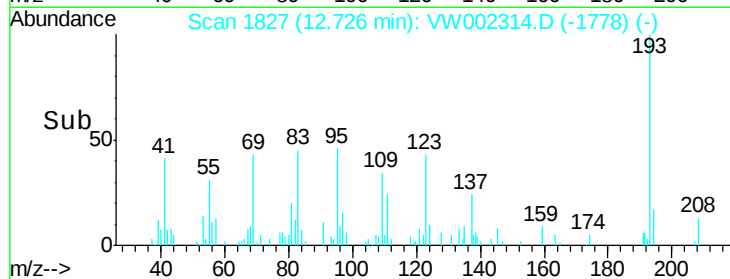
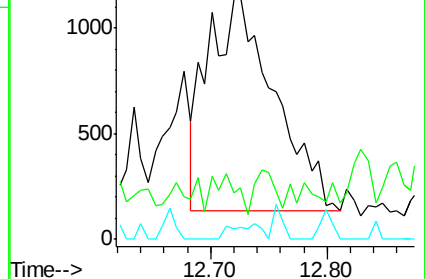
85 3.2 31.5 94.5#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 66.35 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002314.D

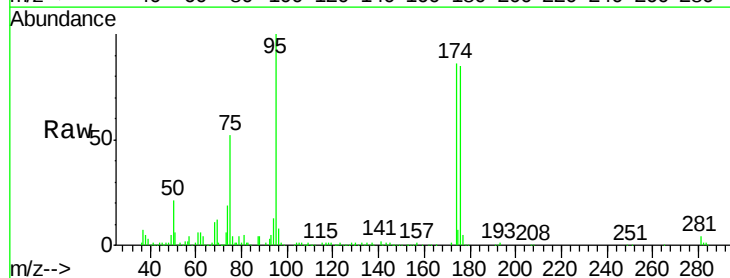
Acq: 09 May 2018 01:15

Tgt Ion: 75 Resp: 36493

Ion Ratio Lower Upper

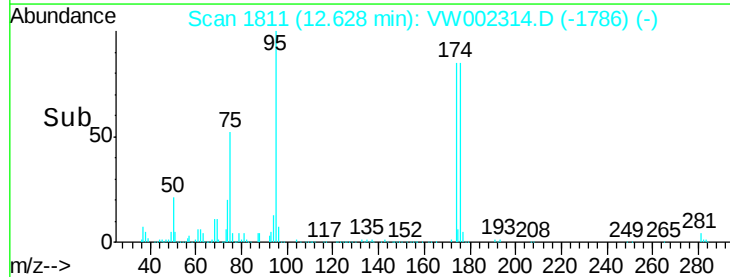
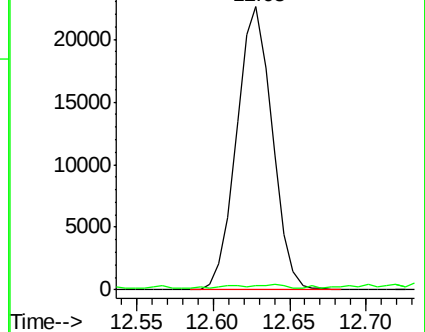
75 100

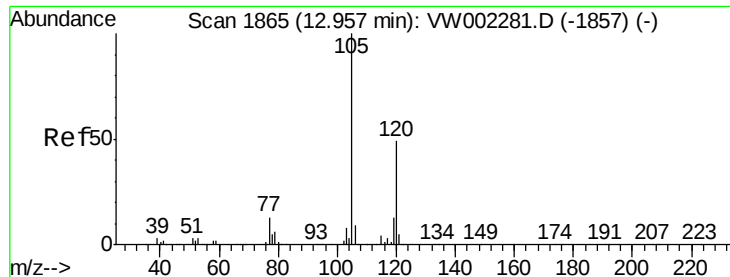
77 2.0 187.5 562.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

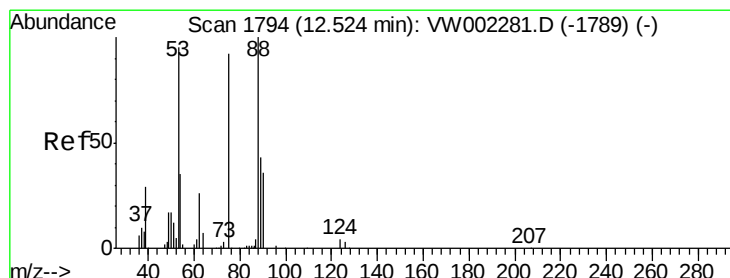
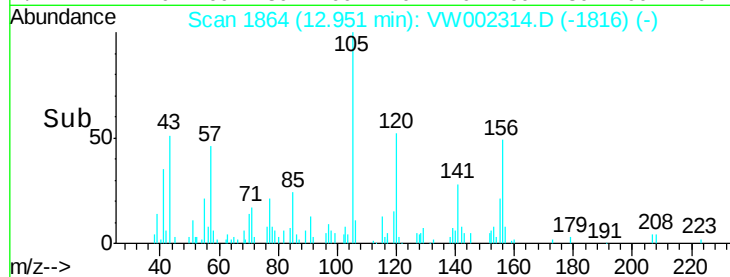
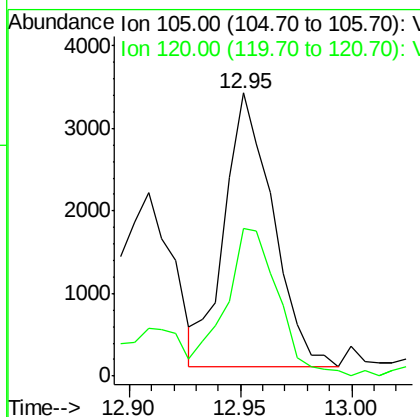
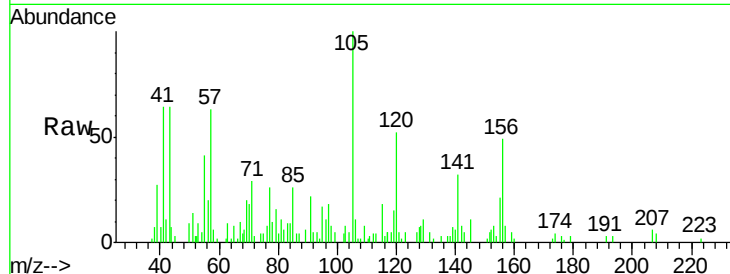




#80
 1,3,5-Trimethylbenzene
 Concen: 1.47 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: VW002314.D
 Acq: 09 May 2018 01:15

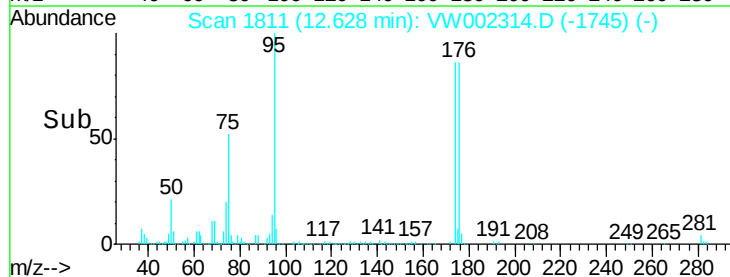
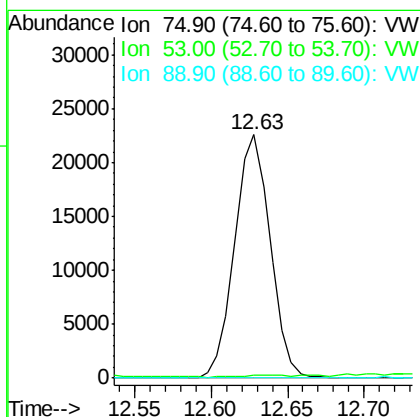
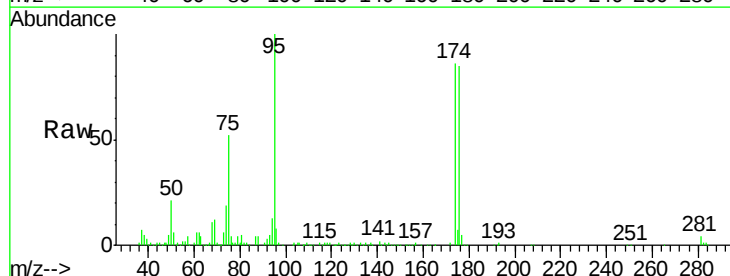
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-03-050418

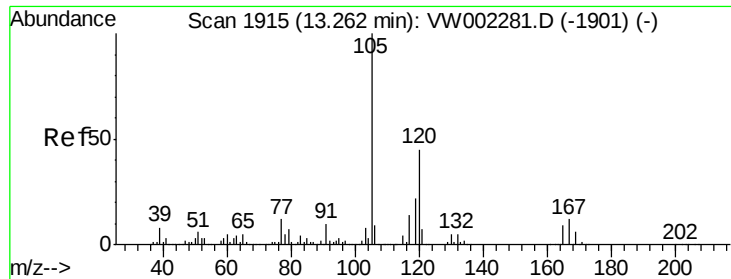
Tgt Ion: 105 Resp: 4993
 Ion Ratio Lower Upper
 105 100
 120 59.2 24.6 74.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 174.78 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW002314.D
 Acq: 09 May 2018 01:15

Tgt Ion: 75 Resp: 36493
 Ion Ratio Lower Upper
 75 100
 53 1.7 79.9 119.9#
 89 0.1 37.6 56.4#

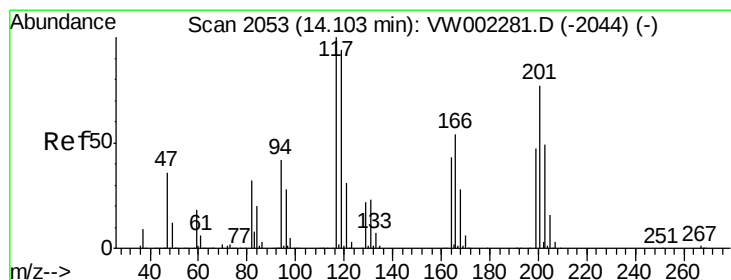
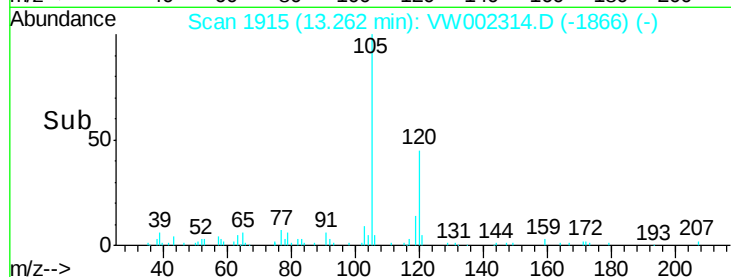
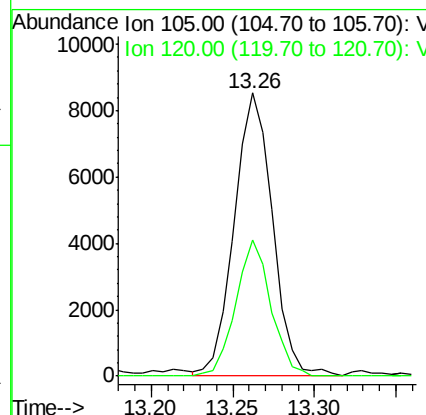
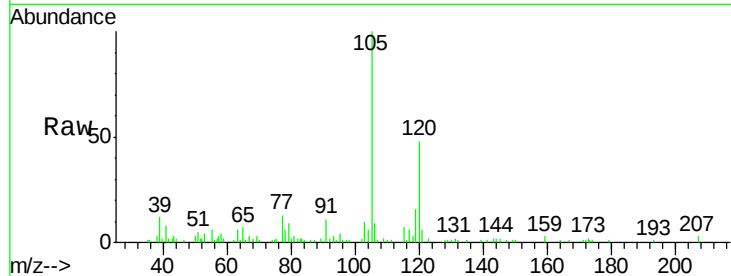




#84
 1,2,4-Trimethylbenzene
 Concen: 3.97 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW002314.D
 Acq: 09 May 2018 01:15

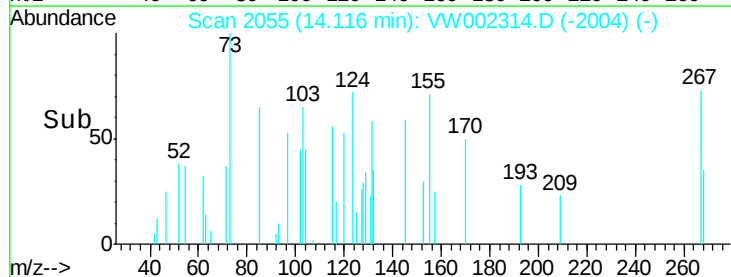
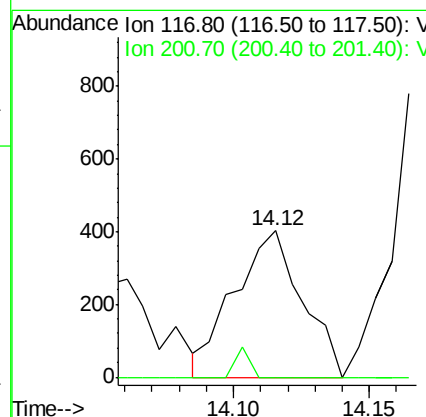
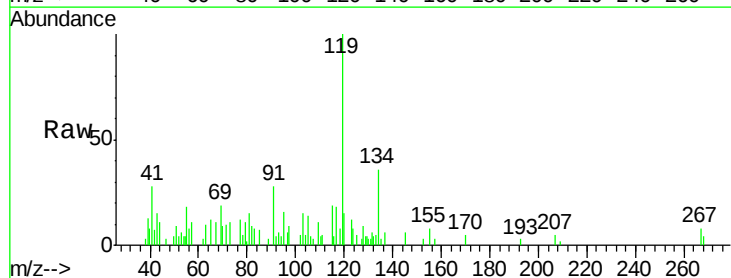
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-03-050418

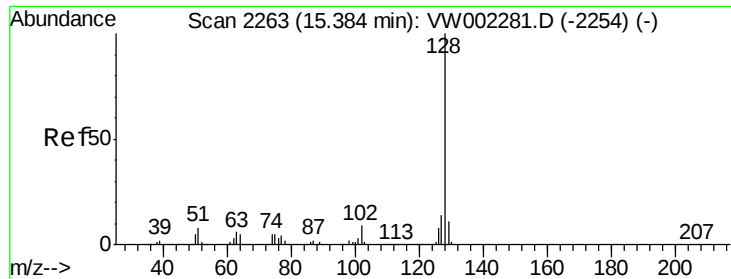
Tgt Ion:105 Resp: 13944
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.5 67.5



#90
 Hexachloroethane
 Concen: 1.04 ug/l
 RT: 14.12 min Scan# 2055
 Delta R.T. 0.01 min
 Lab File: VW002314.D
 Acq: 09 May 2018 01:15

Tgt Ion:117 Resp: 693
 Ion Ratio Lower Upper
 117 100
 201 4.3 42.2 126.6#





#95
Naphthalene
Concen: 2.75 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VW002314.D
Acq: 09 May 2018 01:15

Instrument :
MSVOA_W
ClientSampleId :
OK-03-050418

Tgt Ion	Ratio	Lower	Upper
128	100		
127	17.1	11.0	16.4#
129	16.7	8.7	13.1#

