

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061518\
 Data File : VW003299.D
 Acq On : 15 Jun 2018 18:27
 Operator : SY/AP
 Sample : J3241-09RE
 Misc : 5.90G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 16 03:48:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 08:20:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	175472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	290734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	223206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	98245	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	136733	71.94	ug/l	0.00
Spiked Amount			Recovery	=	143.88%	
35) Dibromofluoromethane	7.88	113	118080	65.36	ug/l	0.00
Spiked Amount			Recovery	=	130.72%	
50) Toluene-d8	10.33	98	316939	44.24	ug/l	0.00
Spiked Amount			Recovery	=	88.48%	
62) 4-Bromofluorobenzene	12.63	95	120959	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	

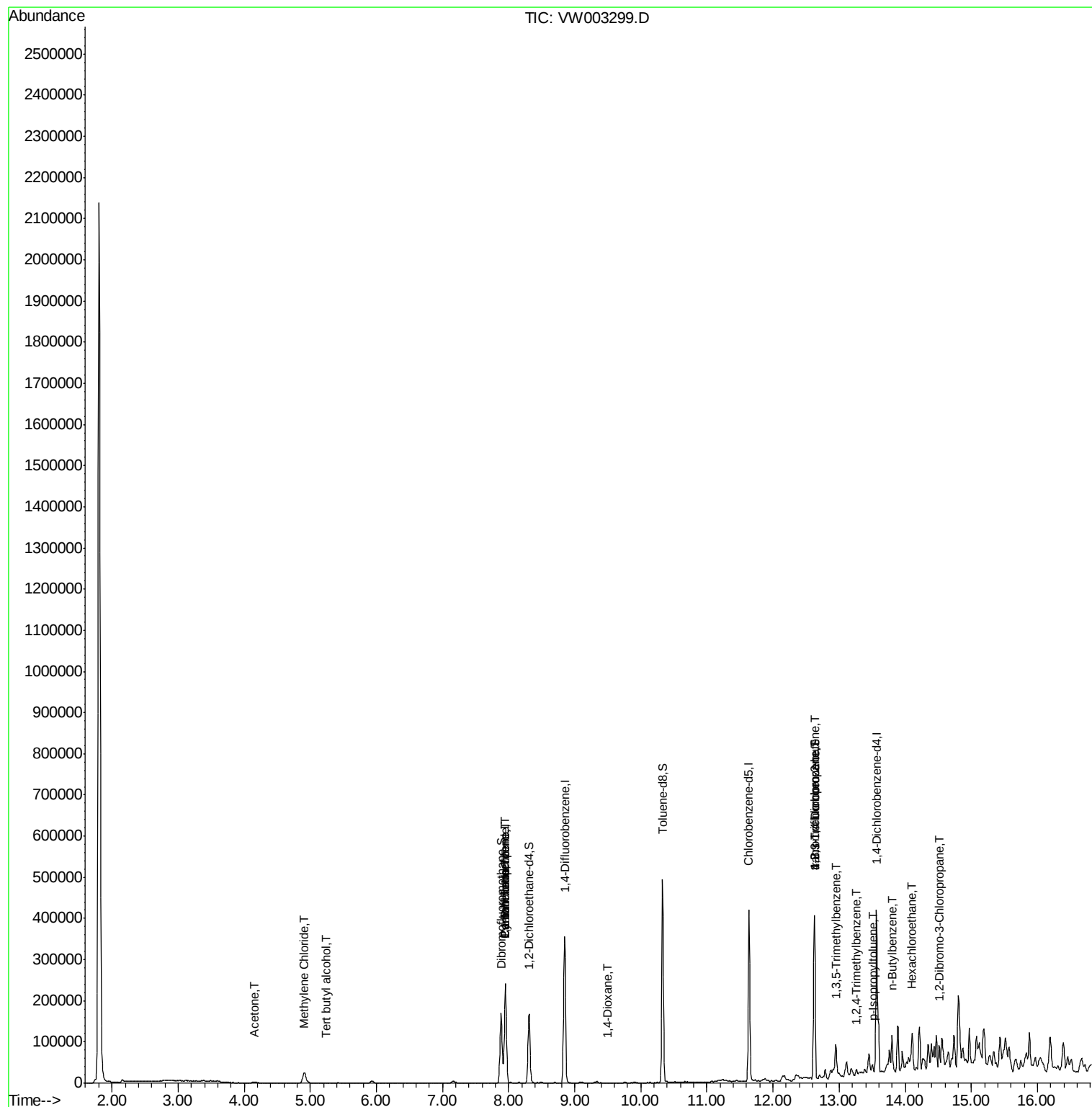
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	152	1.491	ug/l #	84
16) Acetone	4.15	43	4637	11.633	ug/l	98
20) Methylene Chloride	4.92	84	19732	8.615	ug/l	92
31) Cyclohexane	7.95	56	4858	1.582	ug/l #	16
36) 1,1-Dichloropropene	7.95	75	14444	5.144	ug/l #	49
38) Carbon Tetrachloride	7.95	117	17277	6.273	ug/l #	17
49) 1,4-Dioxane	9.49	88	22	1.444	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	66177	78.793	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	26194	4.567	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.62	75	66177	181.308	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.26	105	7307	1.238	ug/l	92
86) p-Isopropyltoluene	13.51	119	9301	1.451	ug/l	94
89) n-Butylbenzene	13.80	91	12128	1.942	ug/l #	1
90) Hexachloroethane	14.11	117	4517	3.896	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.51	75	231	1.187	ug/l #	24

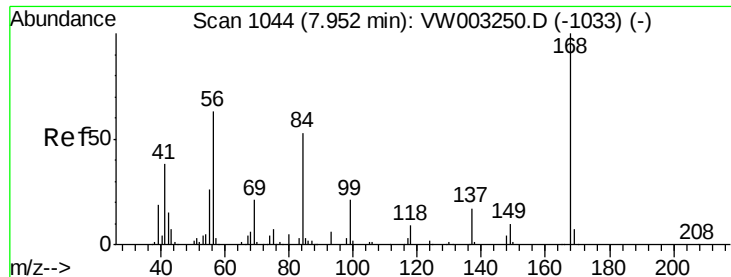
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003299.D

Acq: 15 Jun 2018 18:27

Instrument :

MSVOA_W

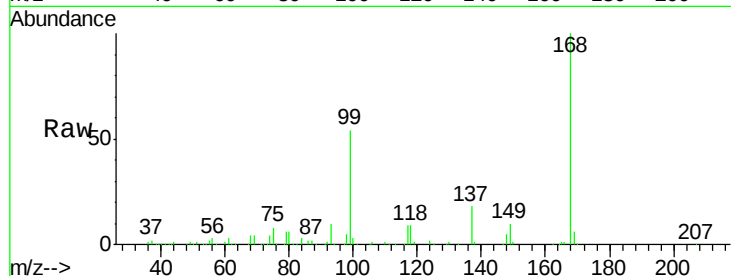
ClientSampled :

Tot Ion:168 Resp: 175472

Ion Ratio Lower Upper

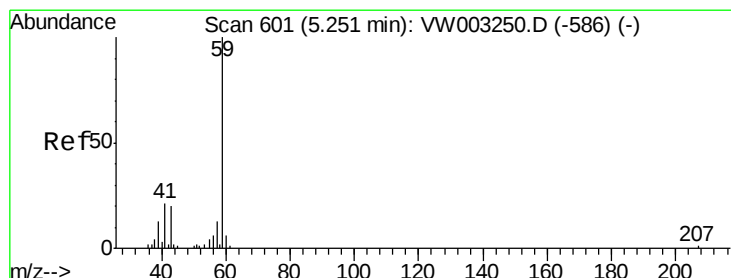
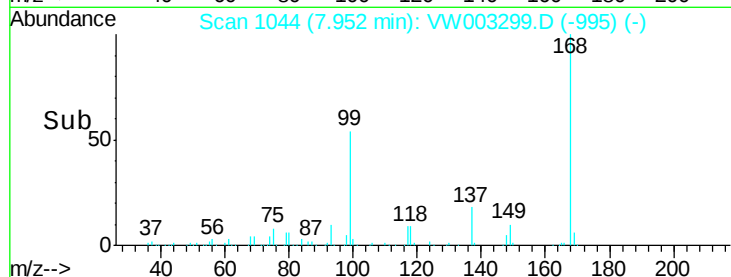
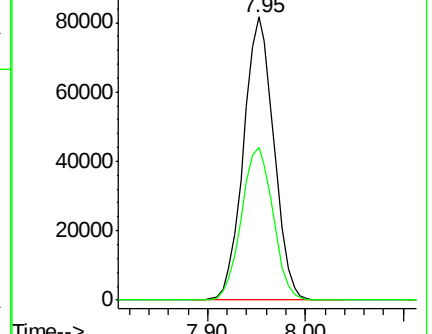
168 100

99 54.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.491 ug/l

RT: 5.23 min Scan# 598

Delta R.T. -0.02 min

Lab File: VW003299.D

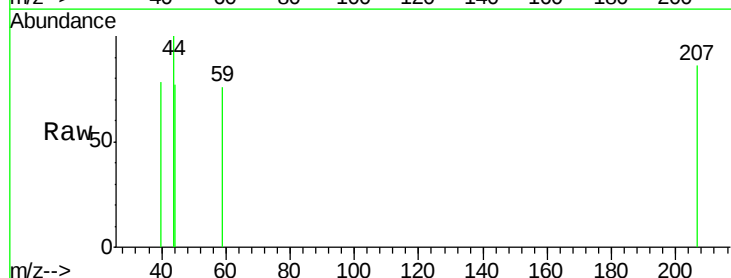
Acq: 15 Jun 2018 18:27

Tgt Ion: 59 Resp: 152

Ion Ratio Lower Upper

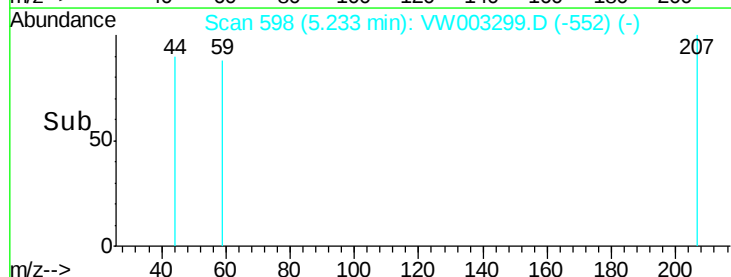
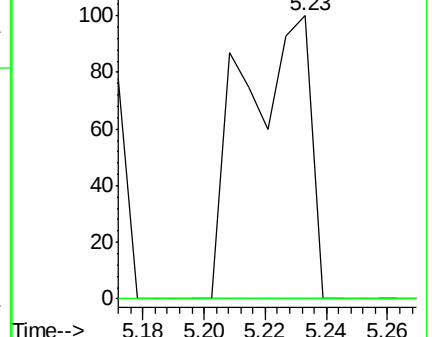
59 100

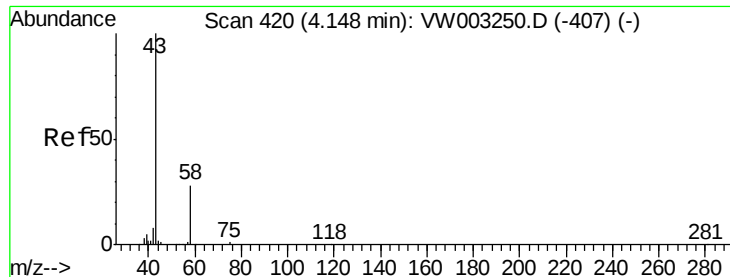
57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 11.633 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003299.D

Acq: 15 Jun 2018 18:27

Instrument :

MSVOA_W

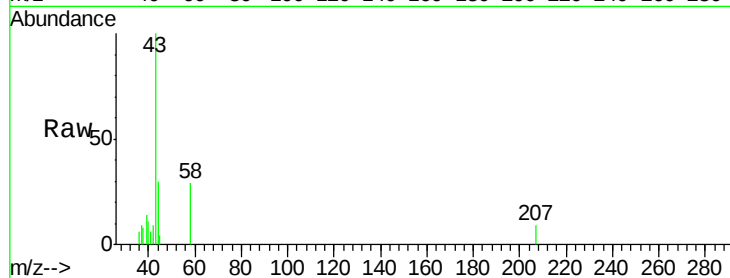
ClientSampled :

Tot Ion: 43 Resp: 4637

Ion Ratio Lower Upper

43 100

58 29.4 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

1500

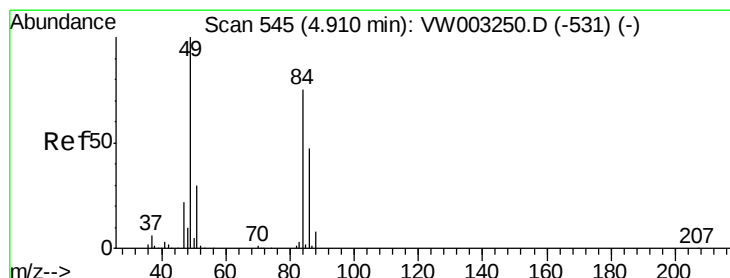
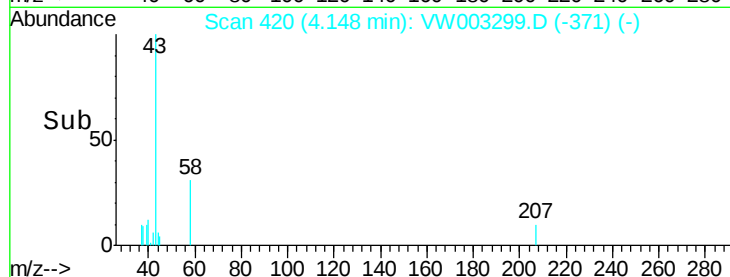
1000

500

0

4.10 4.20

Time-->



#20

Methylene Chloride

Concen: 8.615 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW003299.D

Acq: 15 Jun 2018 18:27

Tgt Ion: 84 Resp: 19732

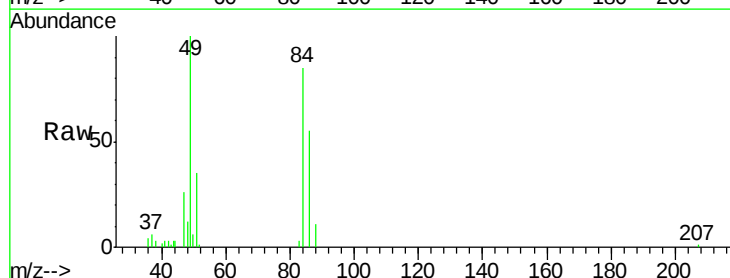
Ion Ratio Lower Upper

84 100

49 117.1 106.3 159.5

51 41.4 32.0 48.0

86 64.0 49.9 74.9



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

10000

8000

6000

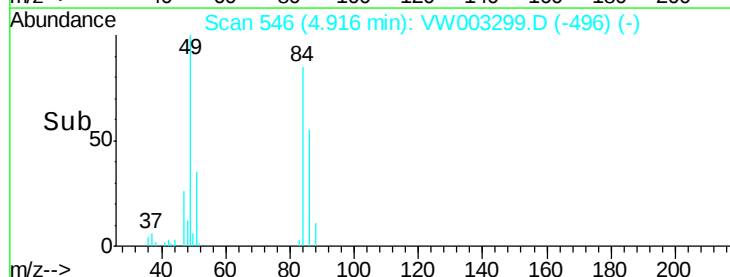
4000

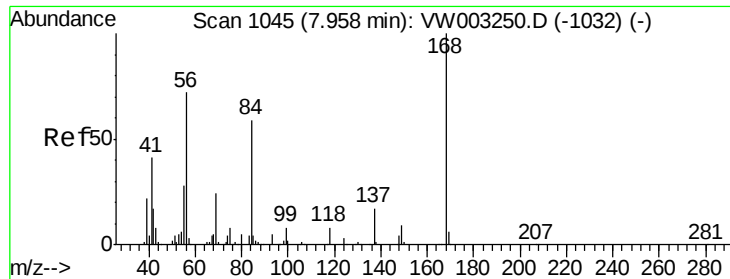
2000

0

4.80 4.90 5.00

Time-->





#31

Cyclohexane

Concen: 1.582 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003299.D

Acq: 15 Jun 2018 18:27

Instrument :
MSVOA_W
ClientSampled :

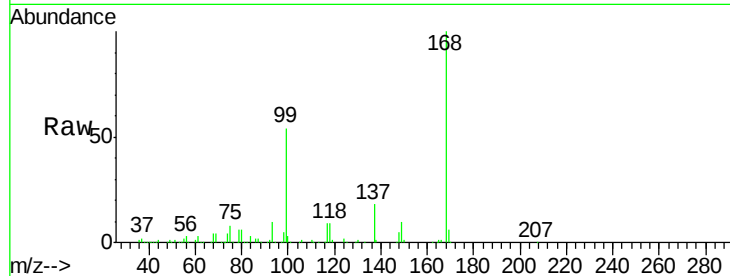
Tot Ion: 56 Resp: 4858

Ion Ratio Lower Upper

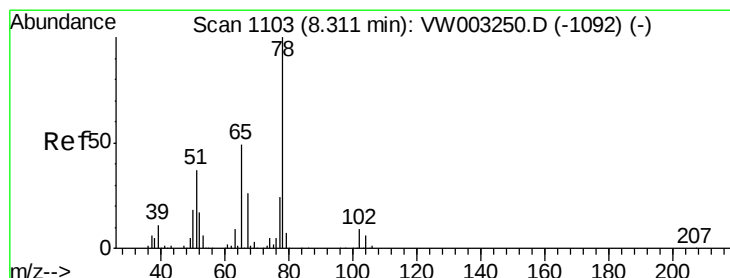
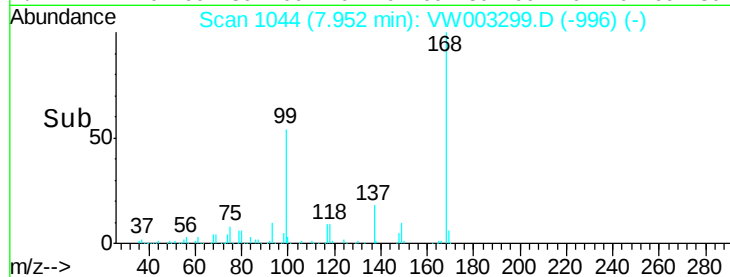
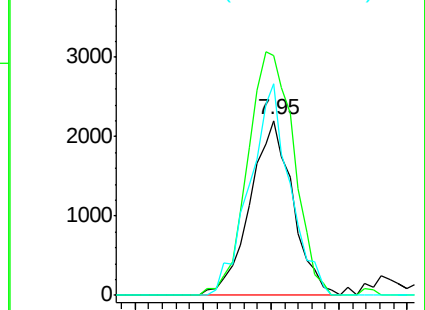
56 100

69 137.3 26.3 39.5#

84 120.9 65.7 98.5#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 71.941 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003299.D

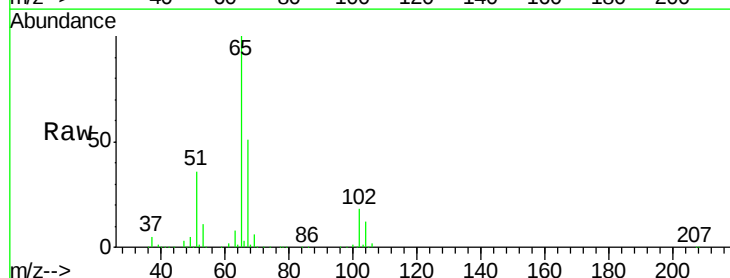
Acq: 15 Jun 2018 18:27

Tgt Ion: 65 Resp: 136733

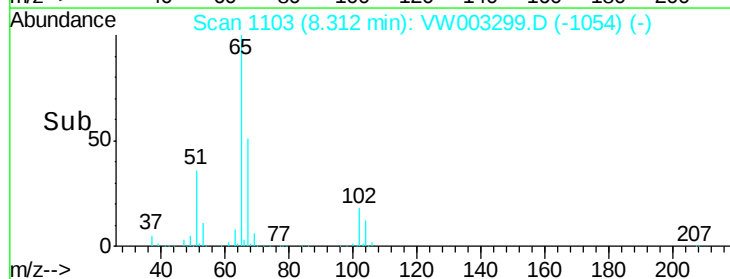
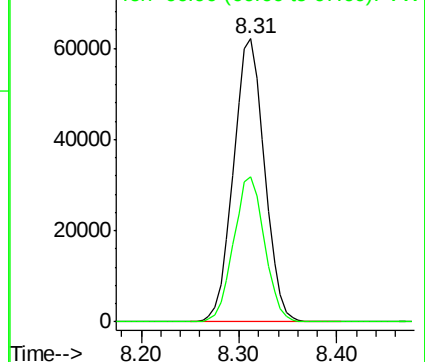
Ion Ratio Lower Upper

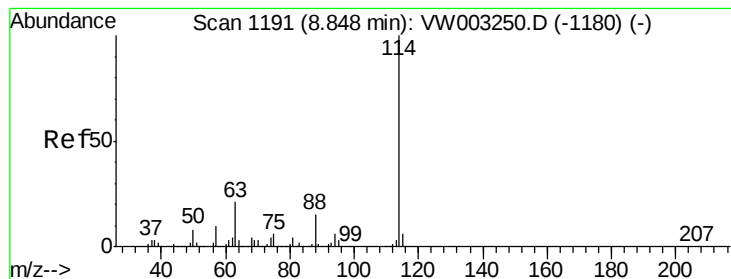
65 100

67 51.0 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003299.D

Acq: 15 Jun 2018 18:27

Instrument :

MSVOA_W

ClientSampleId :

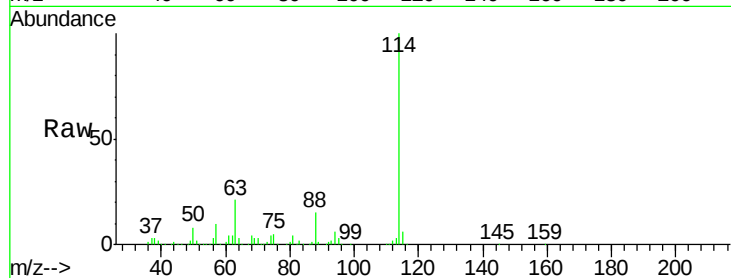
Tot Ion:114 Resp: 290734

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.0

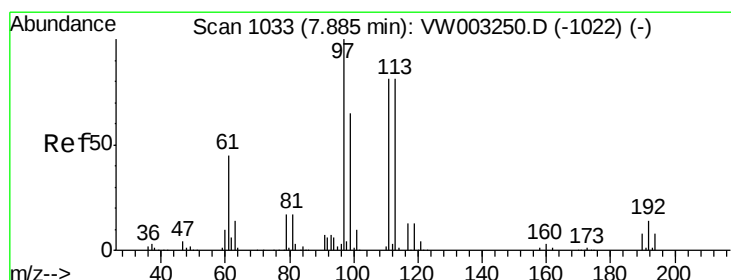
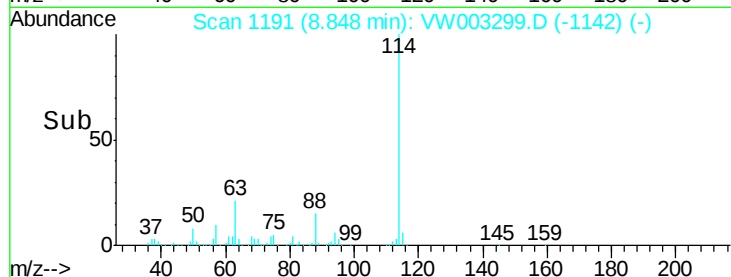
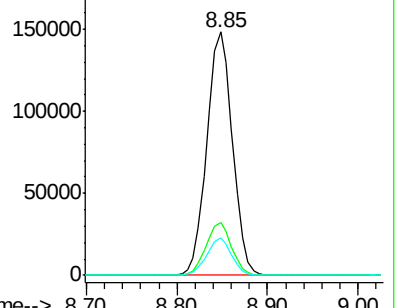
88 15.3 0.0 29.6



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: 65.363 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003299.D

Acq: 15 Jun 2018 18:27

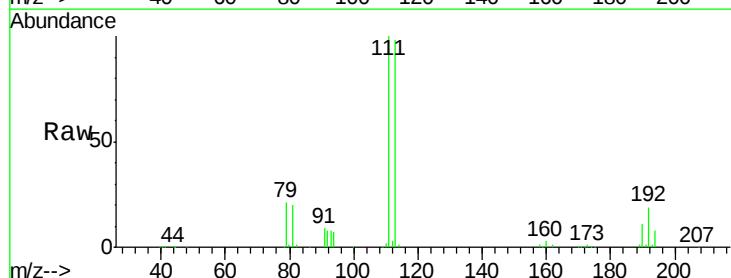
Tgt Ion:113 Resp: 118080

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

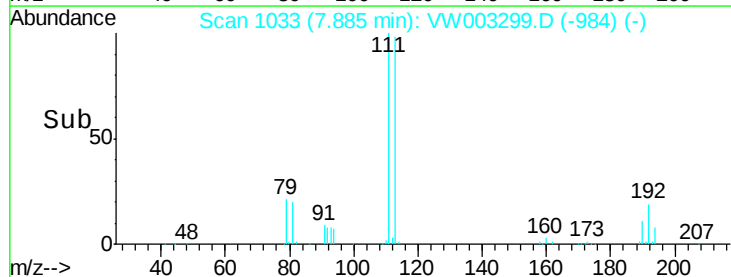
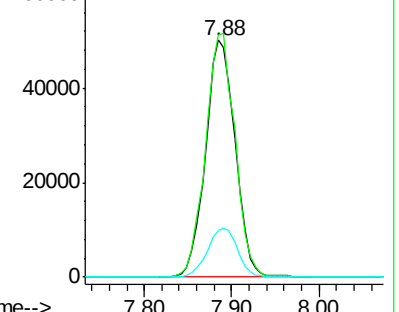
192 20.7 16.2 24.2

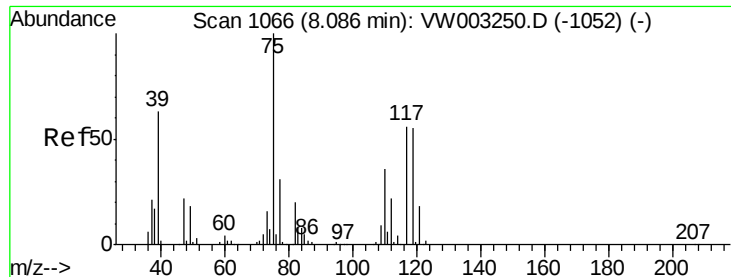


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

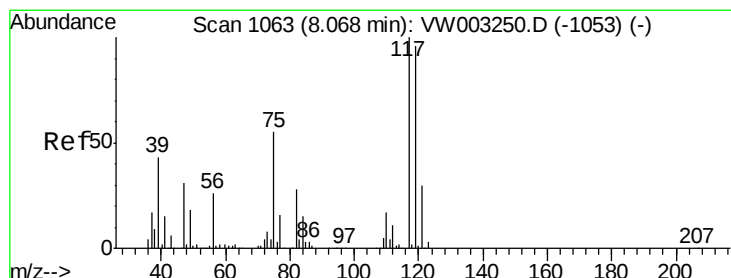
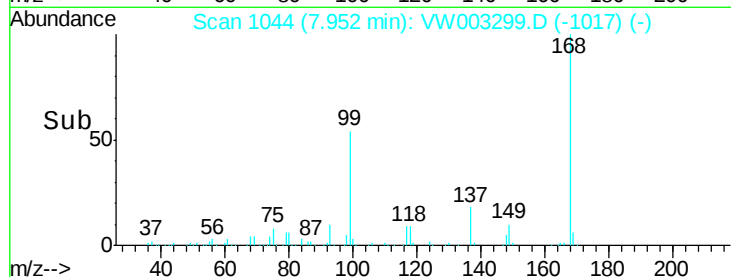
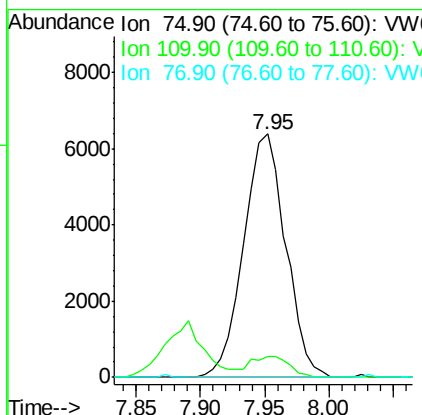
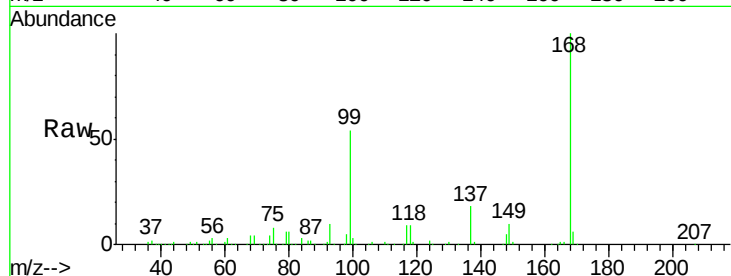




#36
 1,1-Dichloropropene
 Concen: 5.144 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003299.D
 Acq: 15 Jun 2018 18:27

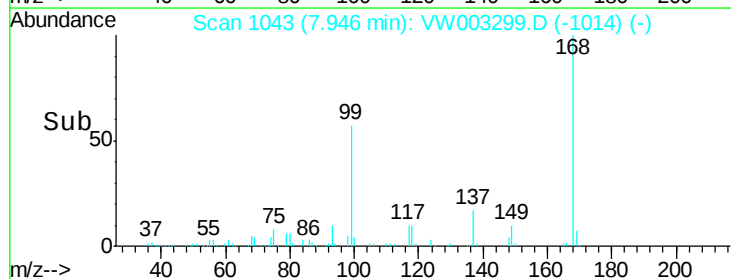
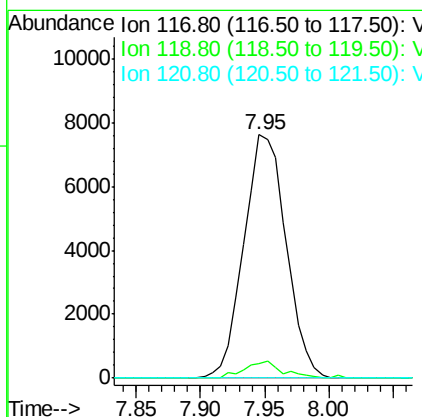
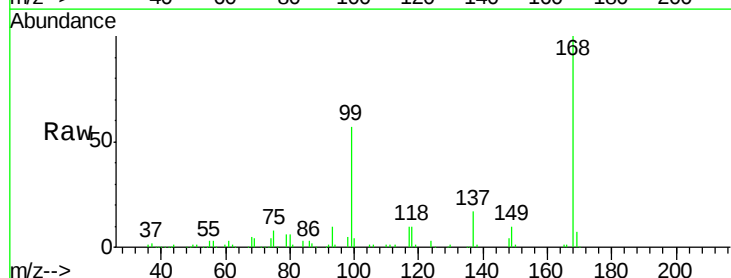
Instrument :
 MSVOA_W
 ClientSampleId :

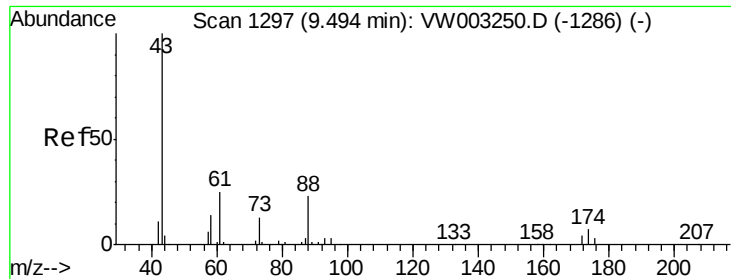
Tot Ion: 75 Resp: 14444
 Ion Ratio Lower Upper
 75 100
 110 7.5 17.1 51.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.273 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.12 min
 Lab File: VW003299.D
 Acq: 15 Jun 2018 18:27

Tgt Ion: 117 Resp: 17277
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.6 115.0#
 121 0.0 23.9 35.9#

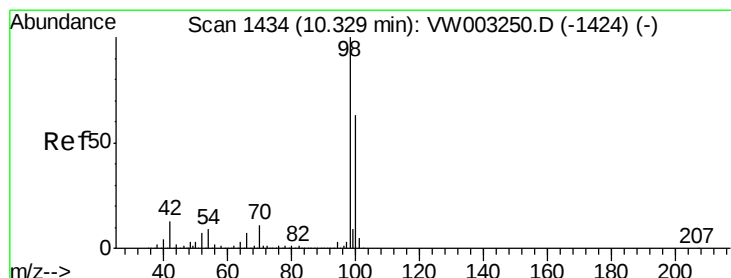
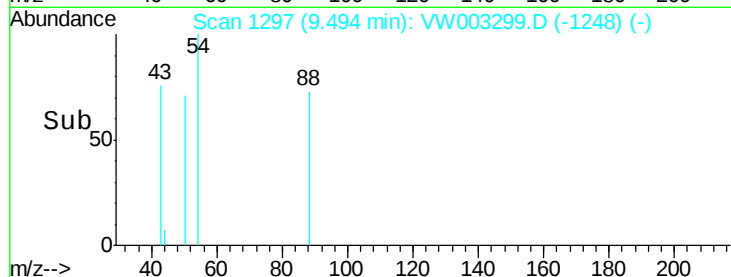
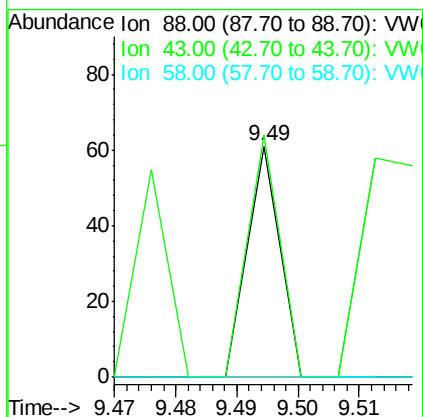
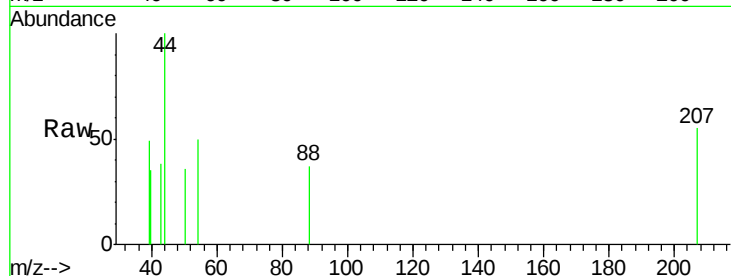




#49
1,4-Dioxane
Concen: 1.444 ug/l
RT: 9.49 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VW003299.D
Acq: 15 Jun 2018 18:27

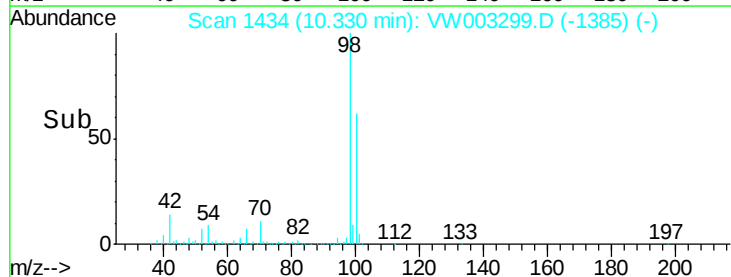
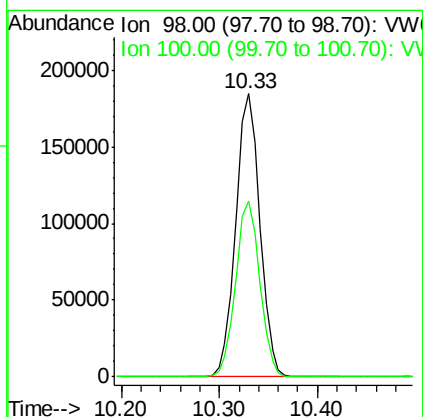
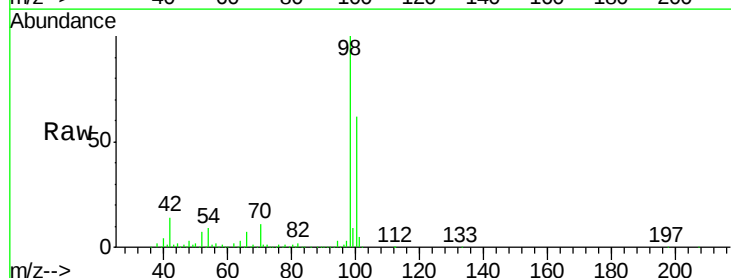
Instrument :
MSVOA_W
ClientSampleId :

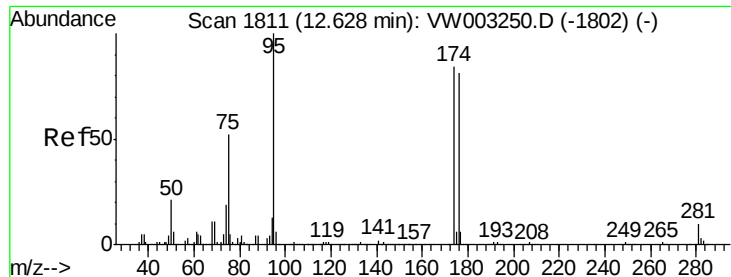
Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 104.5 454.7 682.1#
58 0.0 58.6 88.0#



#50
Toluene-d8
Concen: 44.245 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003299.D
Acq: 15 Jun 2018 18:27

Tgt Ion: 98 Resp: 316939
Ion Ratio Lower Upper
98 100
100 62.1 50.8 76.2

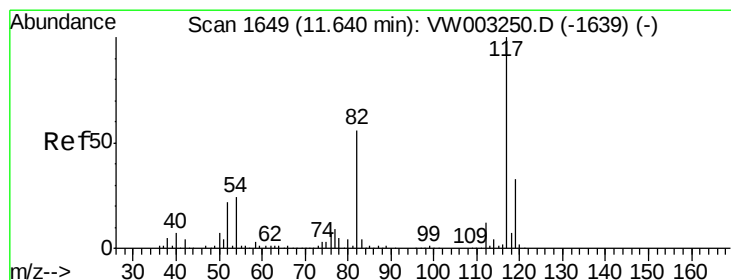
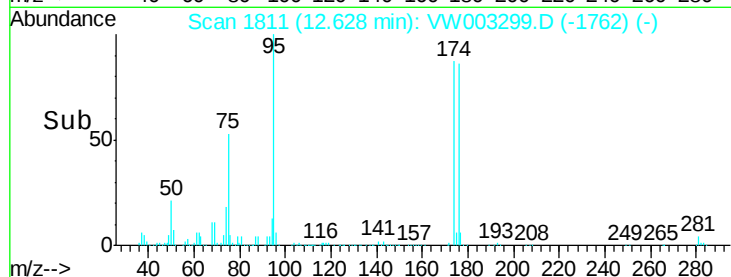
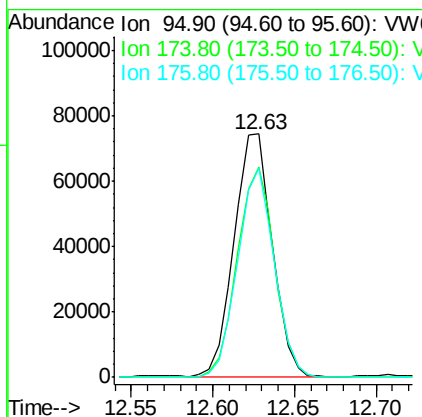
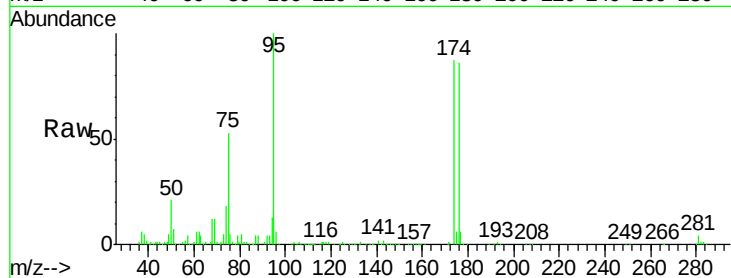




#62
4-Bromofluorobenzene
Concen: 47.715 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003299.D
Acq: 15 Jun 2018 18:27

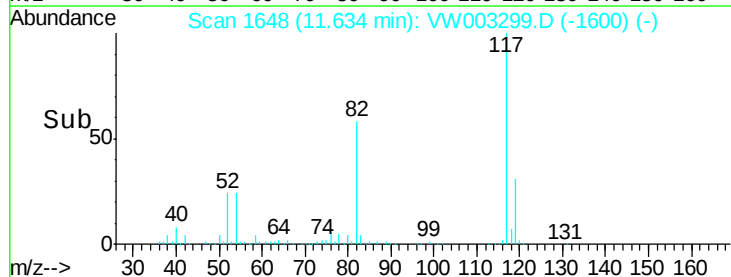
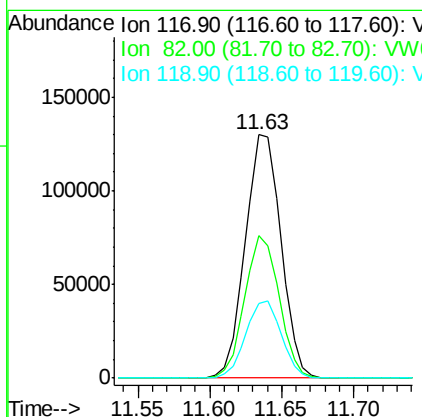
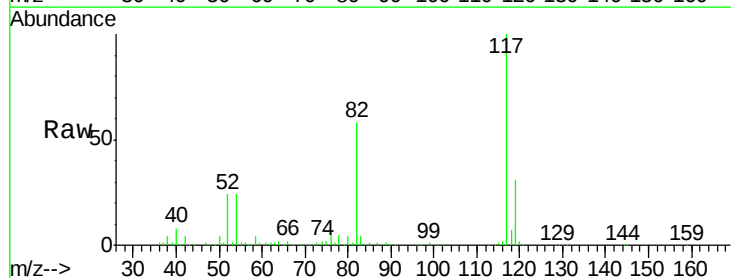
Instrument :
MSVOA_W
ClientSampleId :

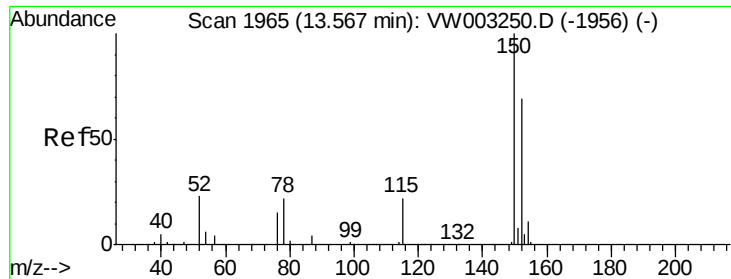
Tot Ion	95	Resp	120959
Ion Ratio	Lower	Upper	
95	100		
174	84.3	0.0	166.4
176	83.0	0.0	162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003299.D
Acq: 15 Jun 2018 18:27

Tgt Ion	117	Resp	223206
Ion Ratio	Lower	Upper	
117	100		
82	58.3	44.6	67.0
119	30.6	26.7	40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003299.D

Acq: 15 Jun 2018 18:27

Instrument :

MSVOA_W

ClientSampled :

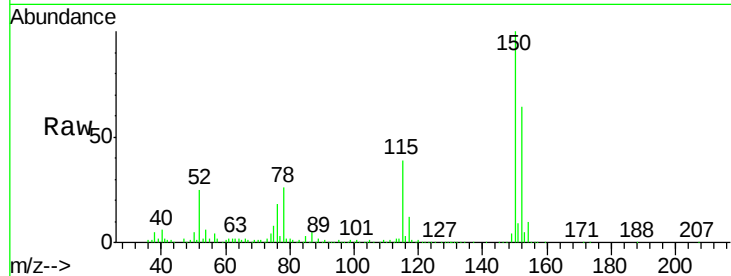
Tot Ion:152 Resp: 98245

Ion Ratio Lower Upper

152 100

115 61.7 29.3 88.0

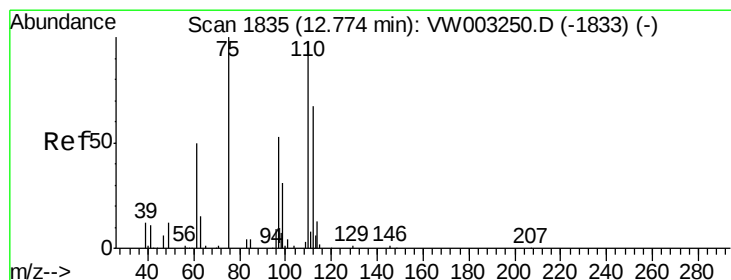
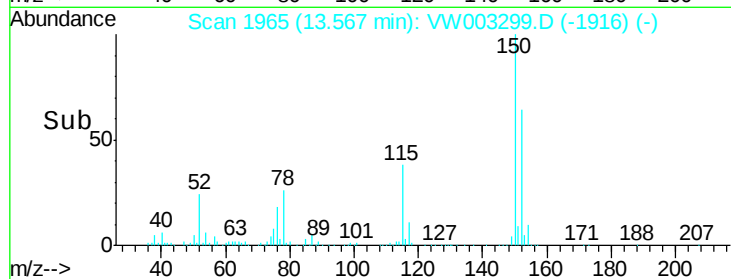
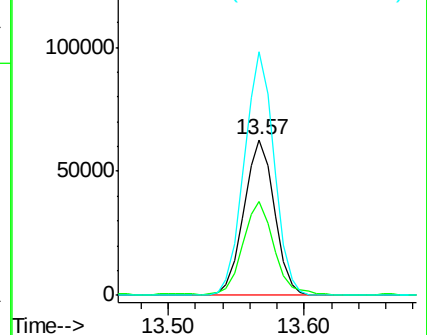
150 153.5 0.0 349.6



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: 78.793 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003299.D

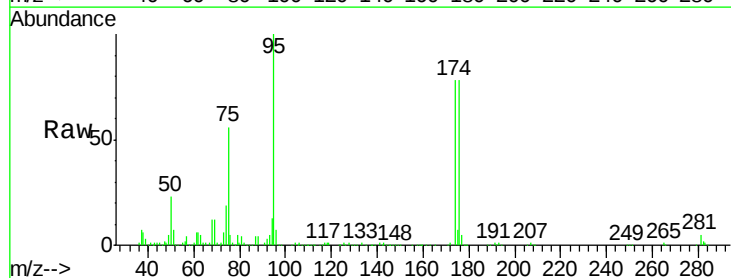
Acq: 15 Jun 2018 18:27

Tgt Ion: 75 Resp: 66177

Ion Ratio Lower Upper

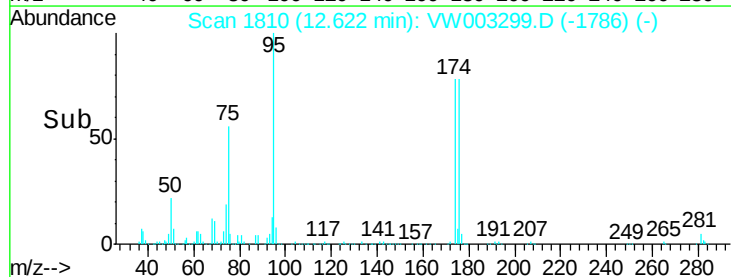
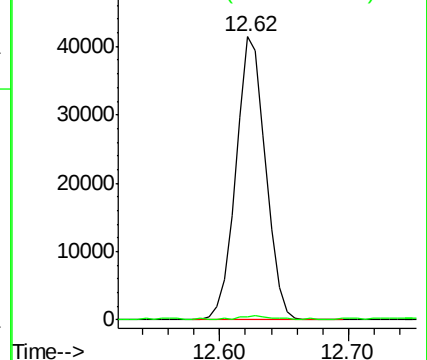
75 100

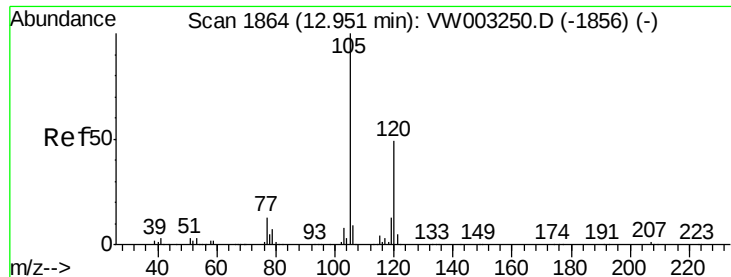
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

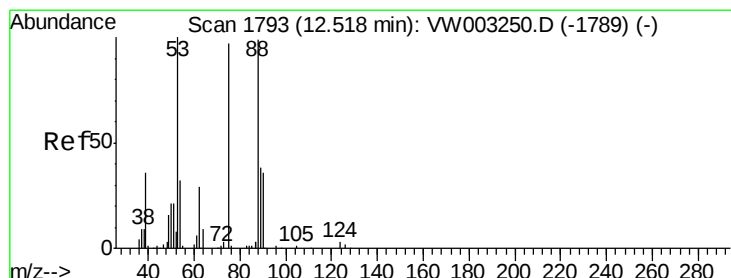
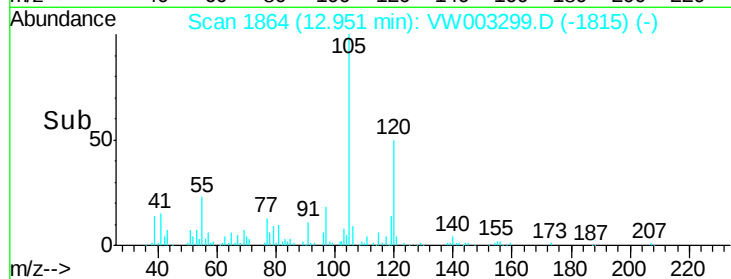
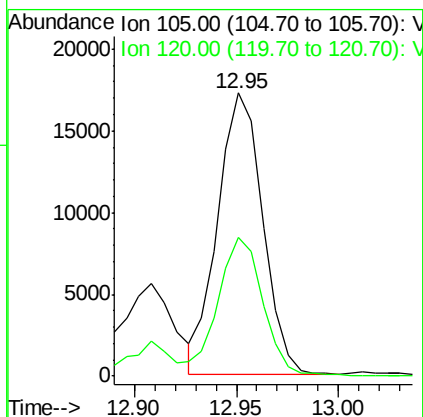
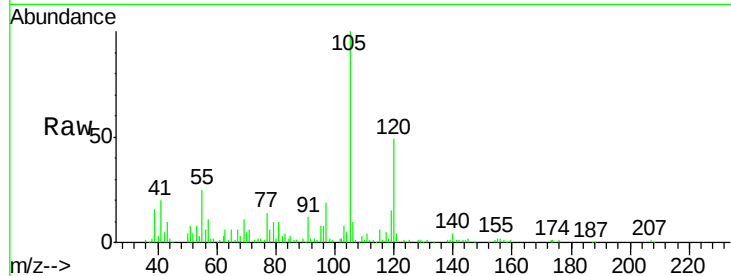




#80
 1,3,5-Trimethylbenzene
 Concen: 4.567 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW003299.D
 Acq: 15 Jun 2018 18:27

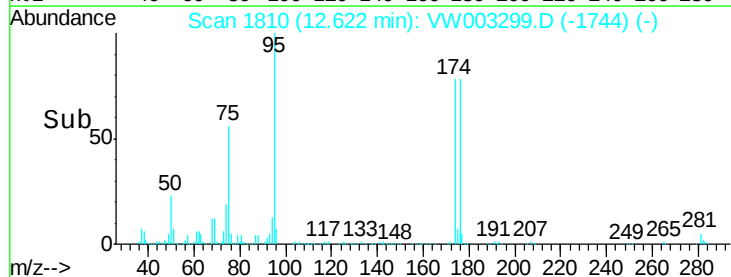
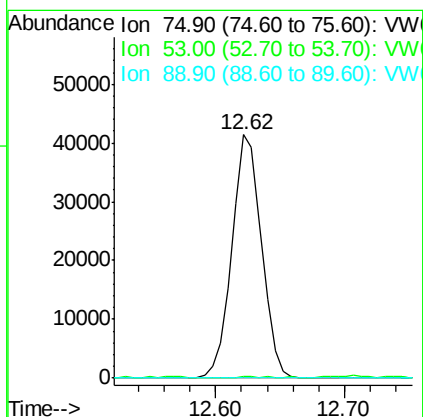
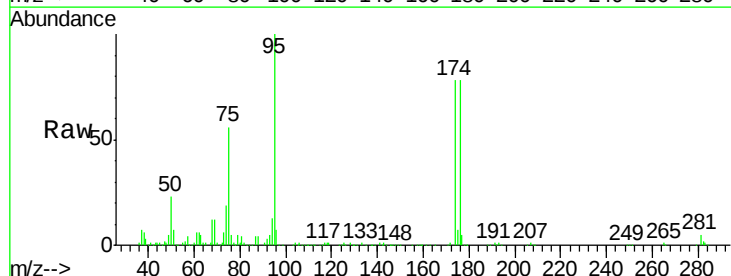
Instrument :
 MSVOA_W
 ClientSampled :

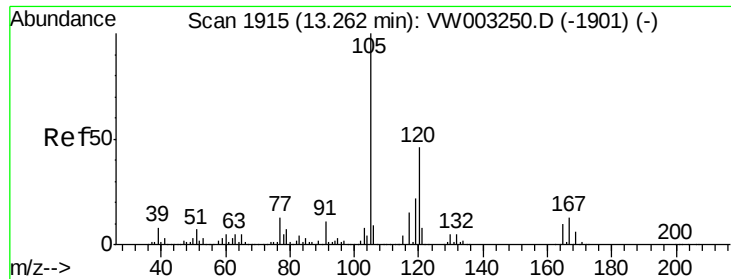
Tot Ion:105 Resp: 26194
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 181.308 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003299.D
 Acq: 15 Jun 2018 18:27

Tgt Ion: 75 Resp: 66177
 Ion Ratio Lower Upper
 75 100
 53 0.3 82.9 124.3#
 89 0.0 36.7 55.1#

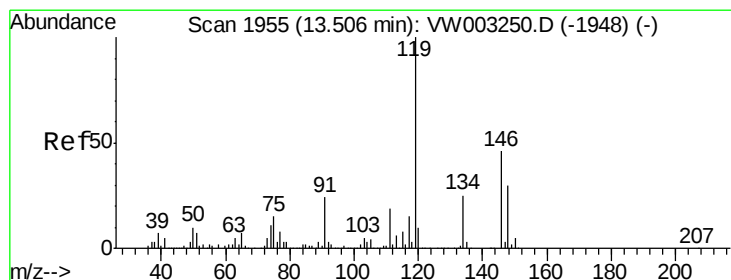
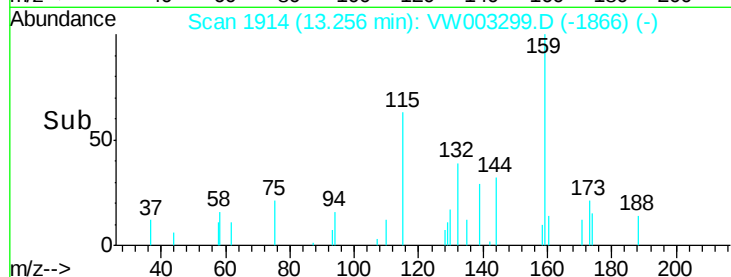
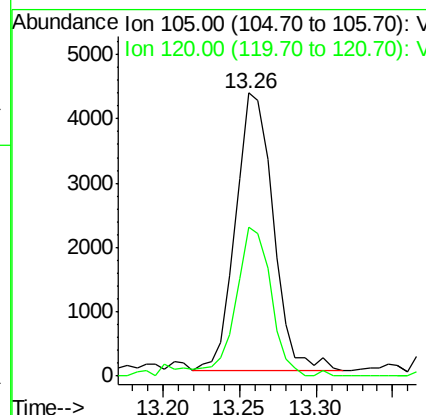
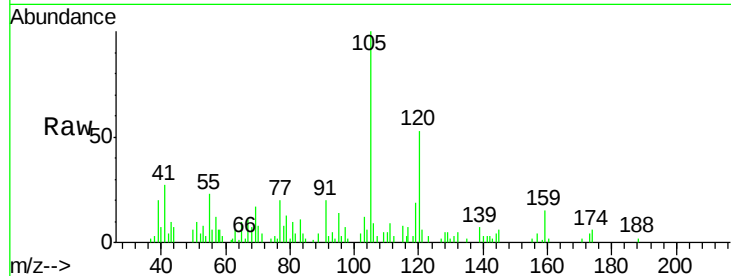




#84
 1,2,4-Trimethylbenzene
 Concen: 1.238 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: VW003299.D
 Acq: 15 Jun 2018 18:27

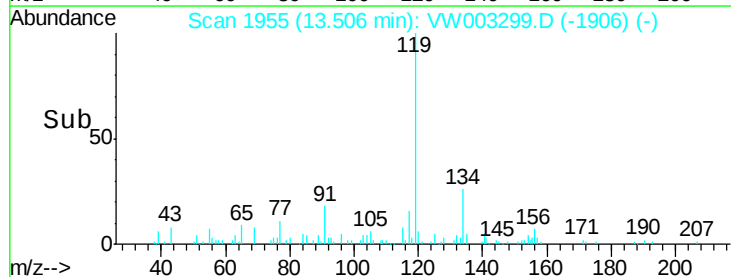
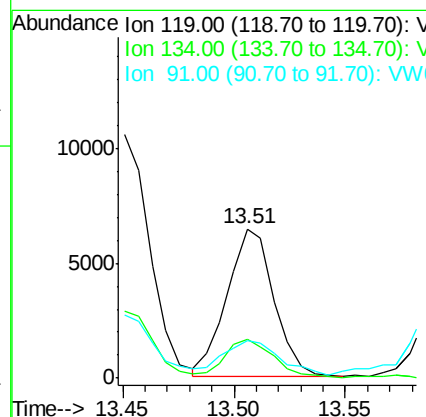
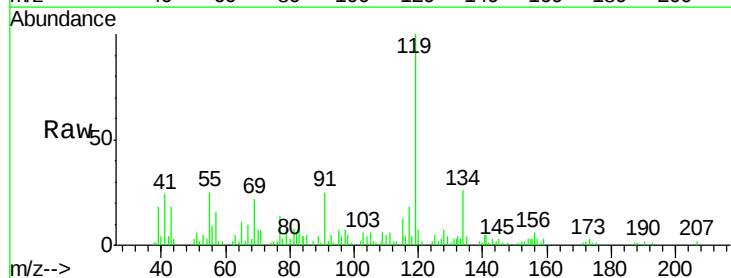
Instrument :
 MSVOA_W
 ClientSampleId :

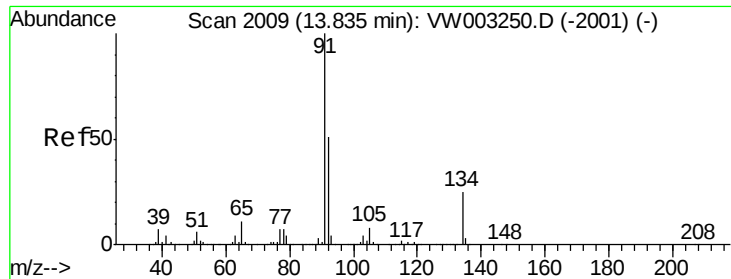
Tot Ion:105 Resp: 7307
 Ion Ratio Lower Upper
 105 100
 120 50.3 22.5 67.5



#86
 p-Isopropyltoluene
 Concen: 1.451 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003299.D
 Acq: 15 Jun 2018 18:27

Tgt Ion:119 Resp: 9301
 Ion Ratio Lower Upper
 119 100
 134 28.0 12.9 38.7
 91 27.3 11.8 35.3

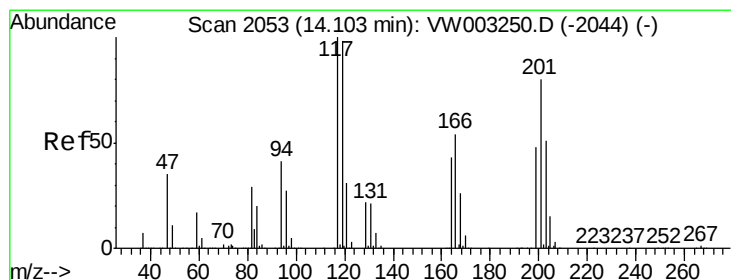
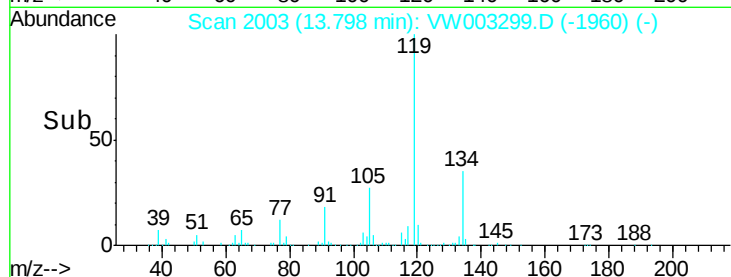
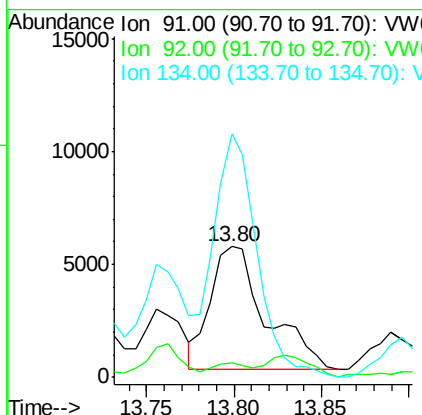
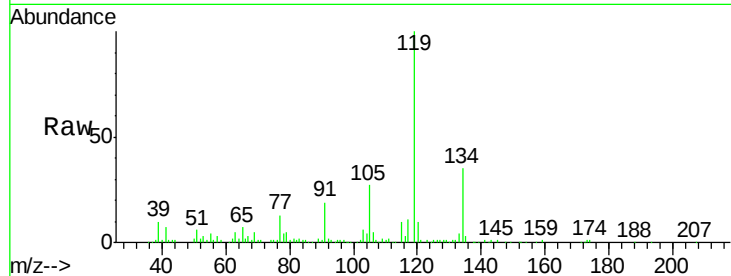




#89
n-Butylbenzene
Concen: 1.942 ug/l
RT: 13.80 min Scan# 2003
Delta R.T. -0.04 min
Lab File: VW003299.D
Acq: 15 Jun 2018 18:27

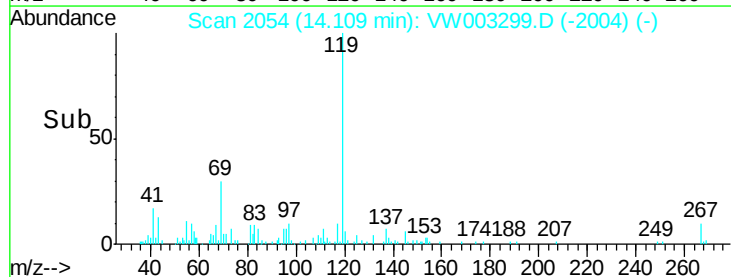
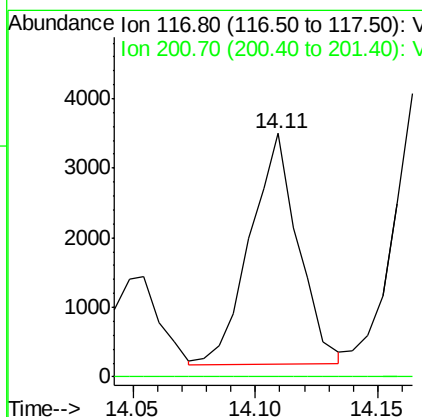
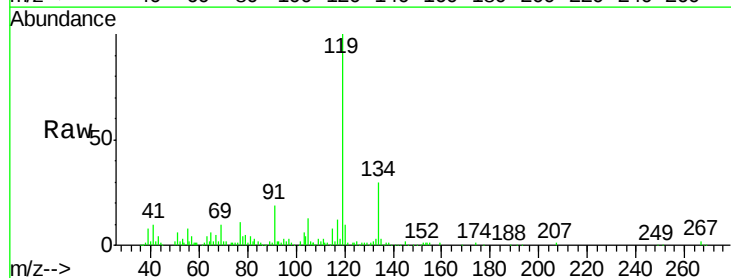
Instrument :
MSVOA_W
ClientSampleId :

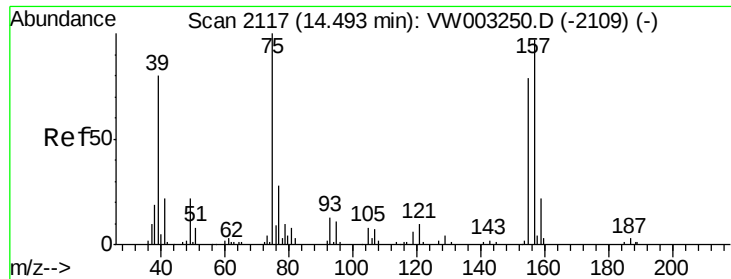
Tot Ion: 91 Resp: 12128
Ion Ratio Lower Upper
91 100
92 7.0 26.0 78.0#
134 156.6 12.7 38.0#



#90
Hexachloroethane
Concen: 3.896 ug/l
RT: 14.11 min Scan# 2054
Delta R.T. 0.01 min
Lab File: VW003299.D
Acq: 15 Jun 2018 18:27

Tgt Ion: 117 Resp: 4517
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.187 ug/l

RT: 14.51 min Scan# 2120

Delta R.T. 0.02 min

Lab File: VW003299.D

Acq: 15 Jun 2018 18:27

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 231

Ion Ratio Lower Upper

75 100

155 0.0 39.4 118.2#

157 36.8 51.5 154.5#

