

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\
 Data File : VW005116.D
 Acq On : 05 Sep 2018 08:31
 Operator : SY/AP
 Sample : J4712-08
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 05 10:43:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	585929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	953890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	833583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	315292	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	189211	38.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.92%	
35) Dibromofluoromethane	7.89	113	185229	33.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.20%	
50) Toluene-d8	10.33	98	660946	26.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	52.04%	
62) 4-Bromofluorobenzene	12.62	95	240309	26.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	53.66%	

Target Compounds

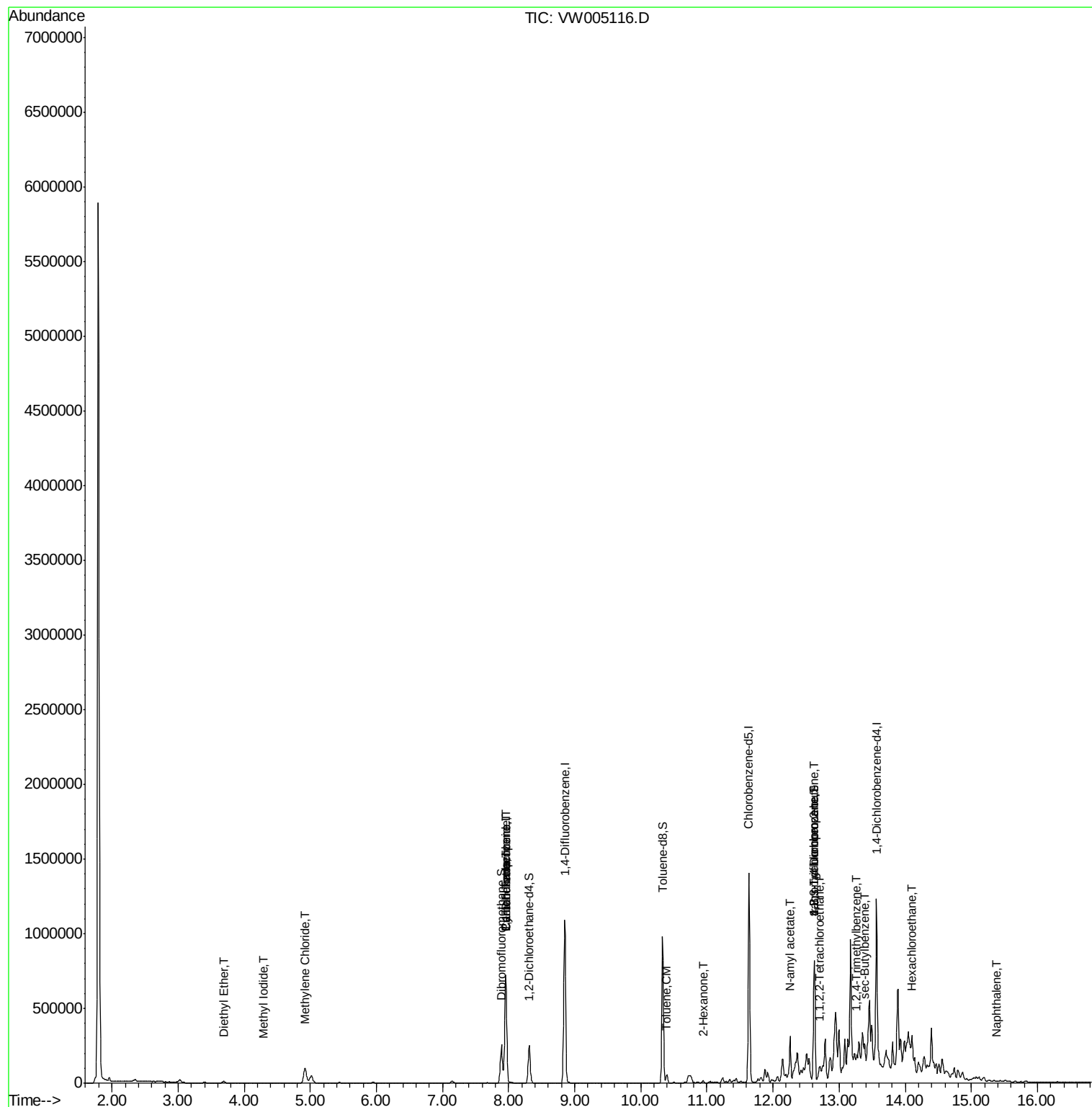
					Qvalue	
5) Bromomethane	2.76	94	585	Below Cal	#	42
8) Diethyl Ether	3.69	74	5311	1.958	ug/l	84
10) Methyl Iodide	4.30	142	75	3.828	ug/l #	36
11) Tert butyl alcohol	5.18	59	1054	Below Cal	#	72
20) Methylene Chloride	4.92	84	81619	9.229	ug/l	94
31) Cyclohexane	7.96	56	10185	1.068	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	40408	4.448	ug/l #	47
38) Carbon Tetrachloride	7.95	117	53458	6.189	ug/l #	17
52) Toluene	10.40	92	23184	1.230	ug/l	97
59) 2-Hexanone	10.94	43	6278	2.240	ug/l #	26
74) N-amyl acetate	12.26	43	57870	15.118	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	12.70	83	5733	1.694	ug/l #	66
76) 1,2,3-Trichloropropane	12.62	75	108821	45.981	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	108821	110.671	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.26	105	20868	1.066	ug/l	100
85) sec-Butylbenzene	13.39	105	34730	1.472	ug/l #	62
90) Hexachloroethane	14.10	117	7642	2.203	ug/l #	5
95) Naphthalene	15.38	128	1059	4.065	ug/l #	74

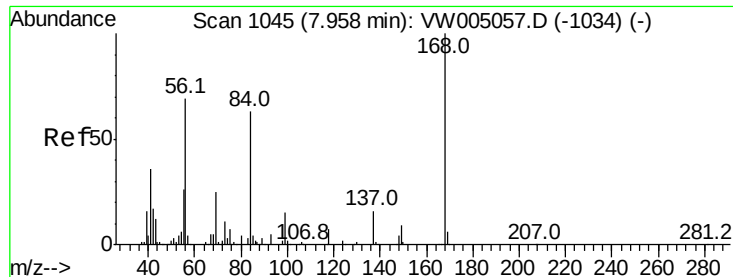
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW005116.D

Acq: 05 Sep 2018 08:31

Instrument :

MSVOA_W

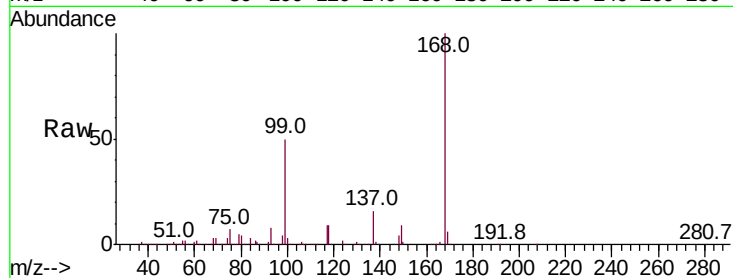
ClientSampleId :

Tot Ion:168 Resp: 585929

Ion Ratio Lower Upper

168 100

99 49.8 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

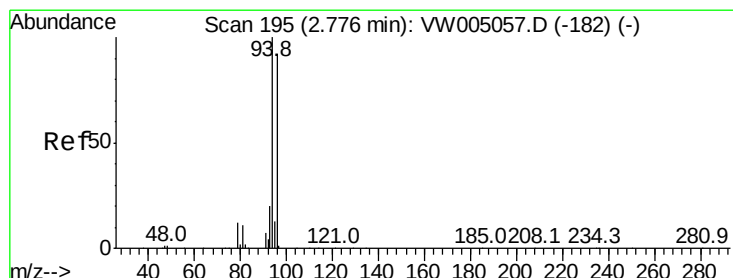
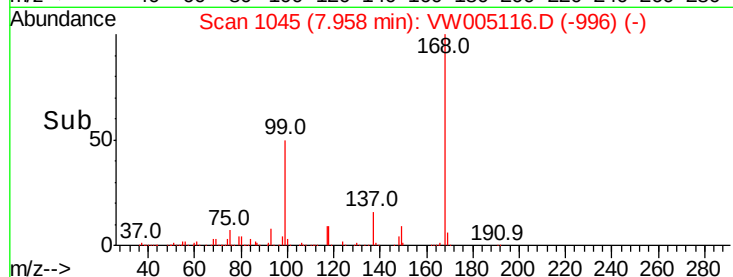
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW005116.D

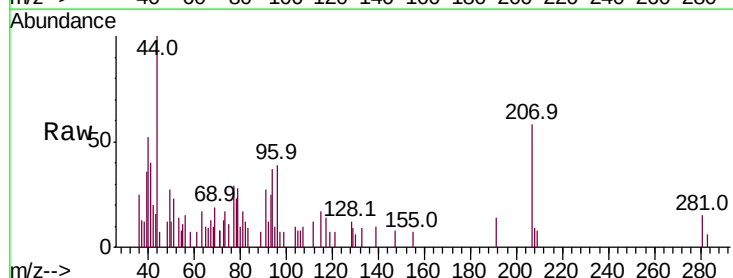
Acq: 05 Sep 2018 08:31

Tgt Ion: 94 Resp: 585

Ion Ratio Lower Upper

94 100

96 36.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

400

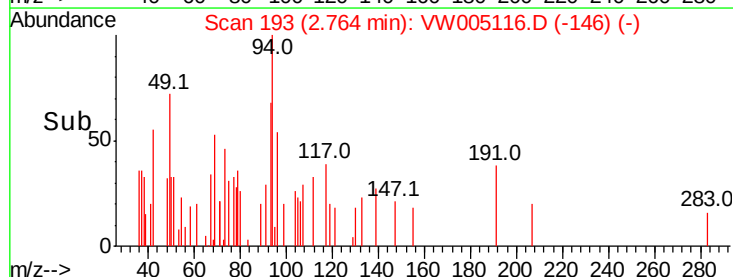
300

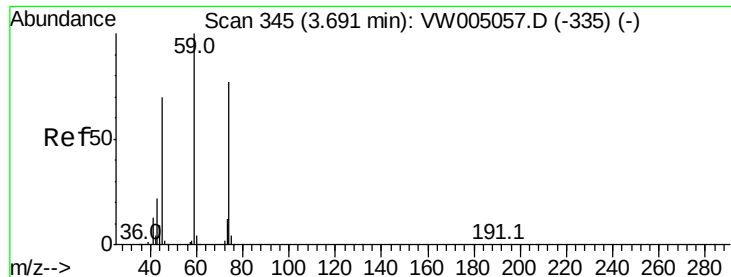
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.958 ug/l

RT: 3.69 min Scan# 345

Delta R.T. 0.00 min

Lab File: VW005116.D

Acq: 05 Sep 2018 08:31

Instrument :

MSVOA_W

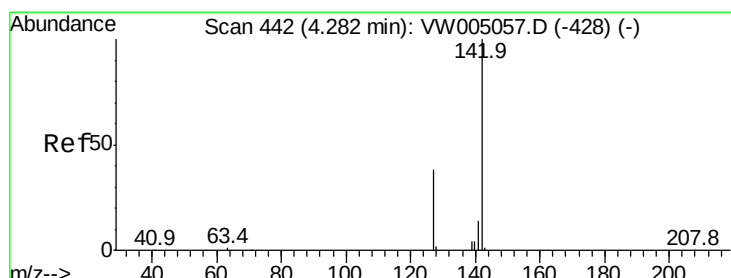
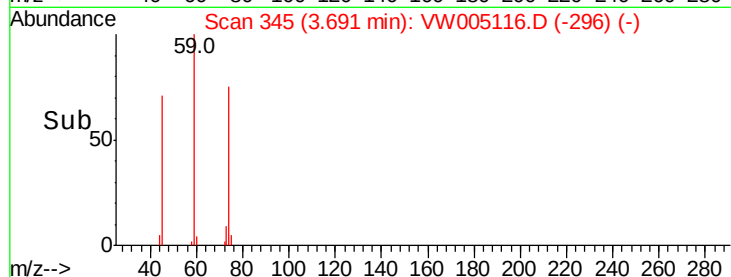
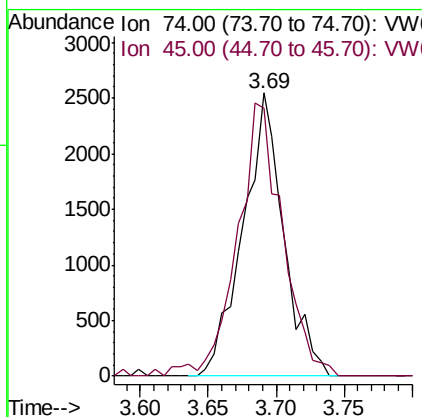
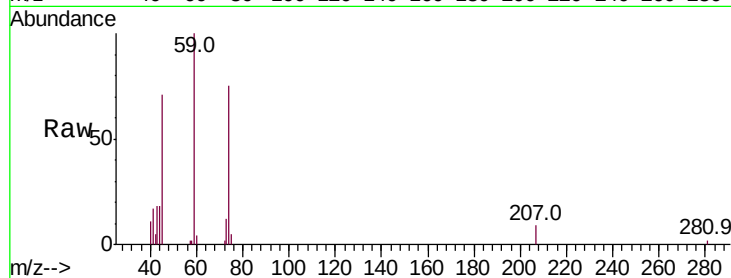
ClientSampleId :

Tot Ion: 74 Resp: 5311

Ion Ratio Lower Upper

74 100

45 107.4 46.0 137.8



#10

Methyl Iodide

Concen: 3.828 ug/l

RT: 4.30 min Scan# 445

Delta R.T. 0.02 min

Lab File: VW005116.D

Acq: 05 Sep 2018 08:31

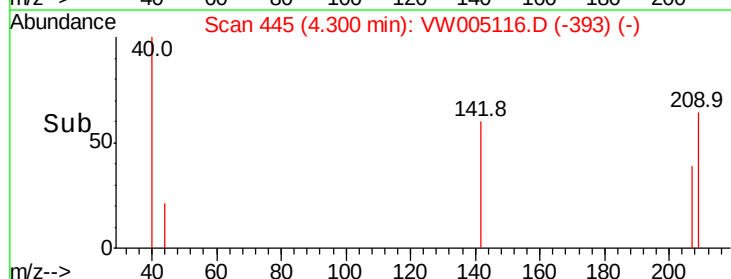
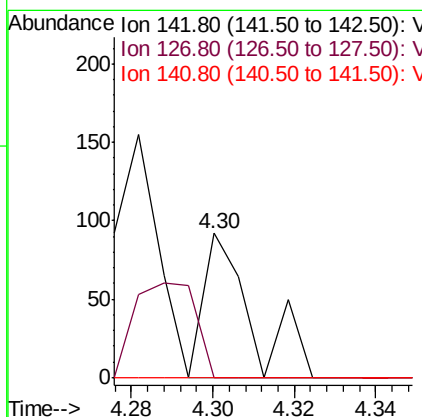
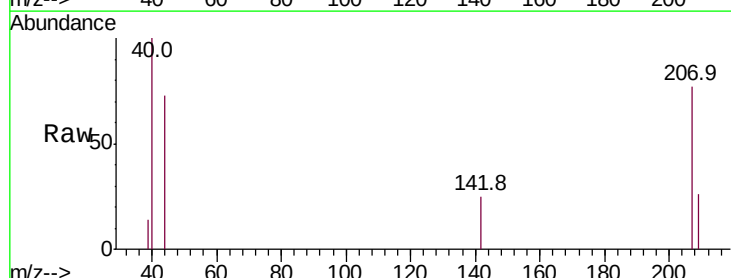
Tgt Ion: 142 Resp: 75

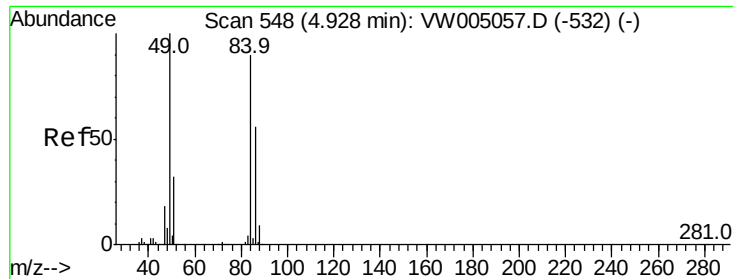
Ion Ratio Lower Upper

142 100

127 84.0 30.8 46.2#

141 0.0 11.6 17.4#

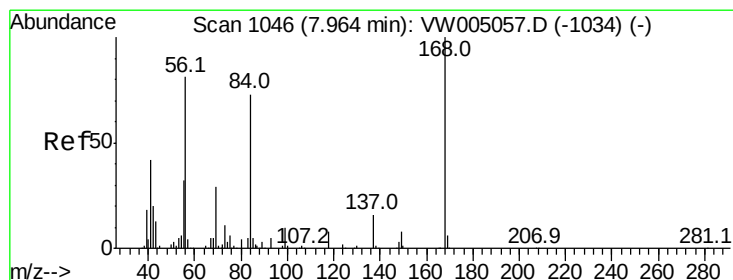
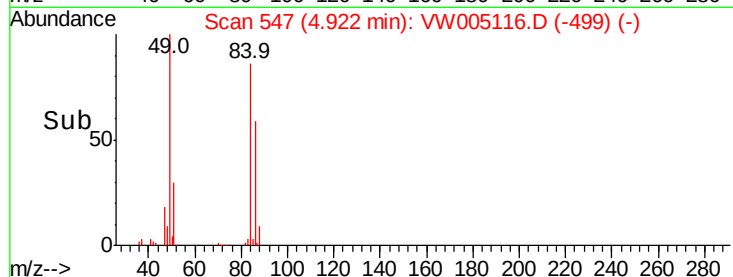
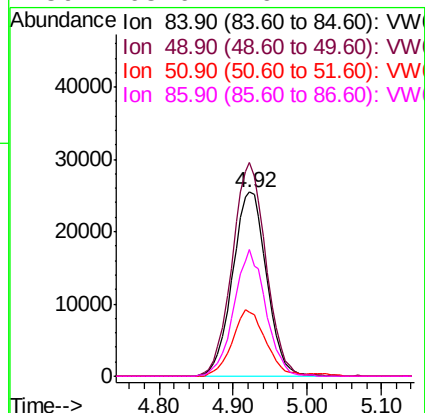
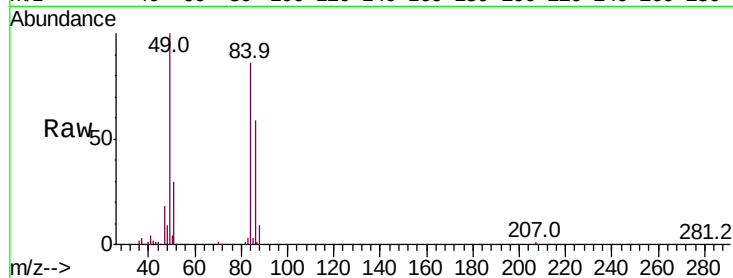




#20
Methylene Chloride
Concen: 9.229 ug/l
RT: 4.92 min Scan# 547
Delta R.T. -0.01 min
Lab File: VW005116.D
Acq: 05 Sep 2018 08:31

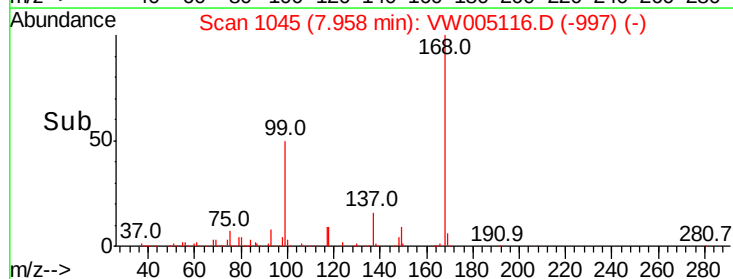
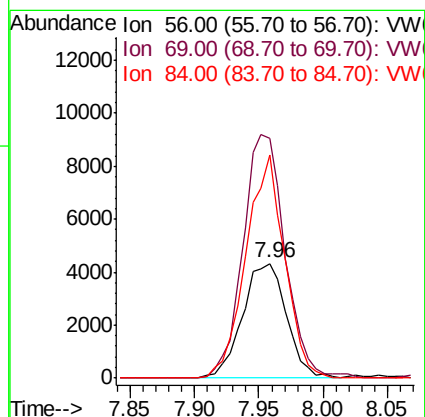
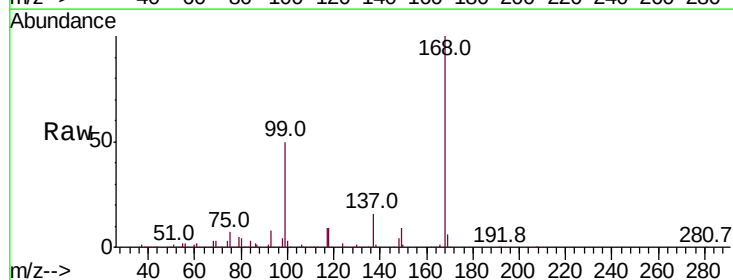
Instrument :
MSVOA_W
ClientSampled :

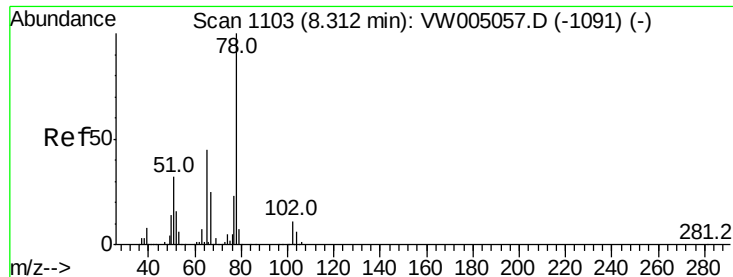
Tot Ion:	84	Resp:	81619
Ion	Ratio	Lower	Upper
84	100		
49	116.2	88.7	133.1
51	34.9	28.6	42.8
86	68.6	49.4	74.2



#31
Cyclohexane
Concen: 1.068 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VW005116.D
Acq: 05 Sep 2018 08:31

Tgt Ion:	56	Resp:	10185
Ion	Ratio	Lower	Upper
56	100		
69	208.7	28.2	42.2#
84	194.2	71.8	107.8#

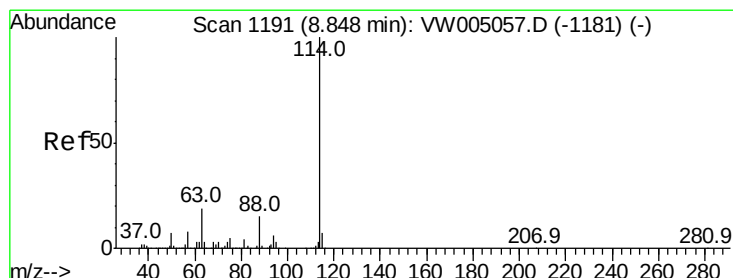
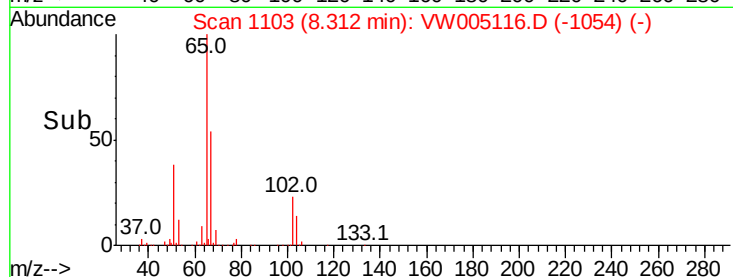
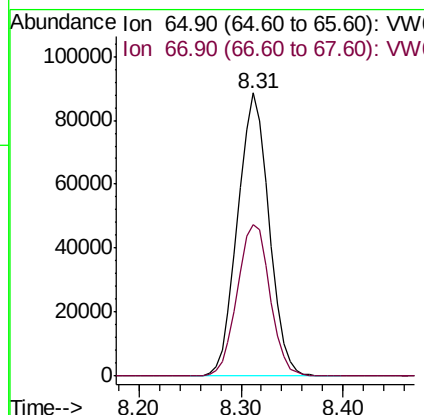
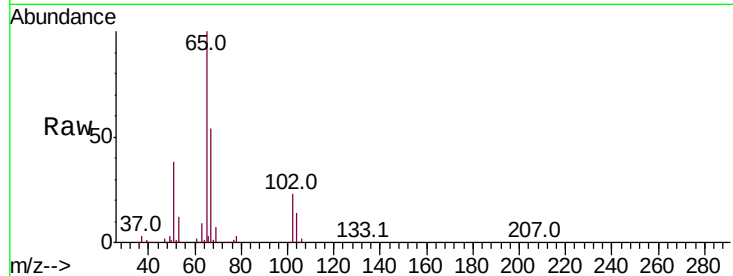




#33
 1,2-Dichloroethane-d4
 Concen: 38.956 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW005116.D
 Acq: 05 Sep 2018 08:31

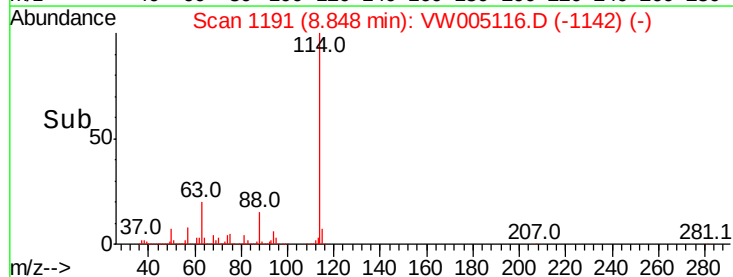
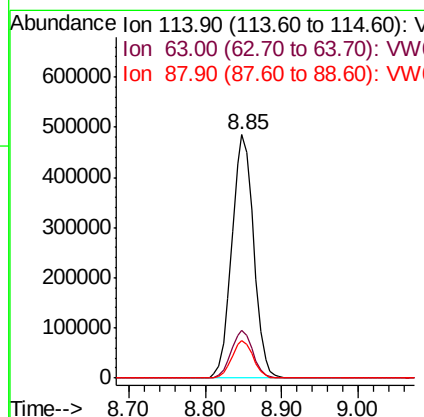
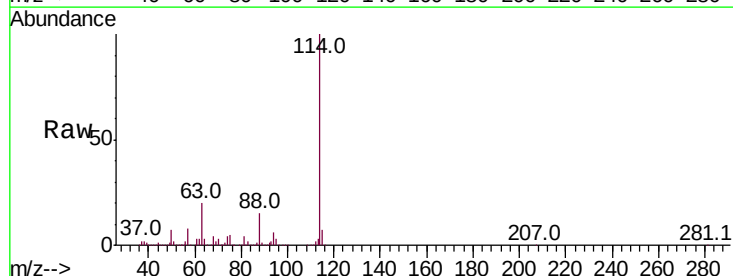
Instrument :
 MSVOA_W
 ClientSampled :

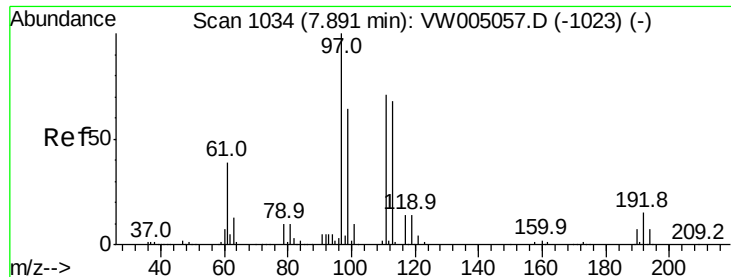
Tot Ion: 65 Resp: 189211
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW005116.D
 Acq: 05 Sep 2018 08:31

Tgt Ion: 114 Resp: 953890
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.0
 88 15.4 0.0 30.2

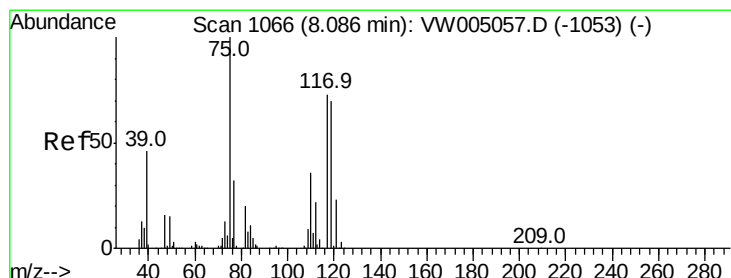
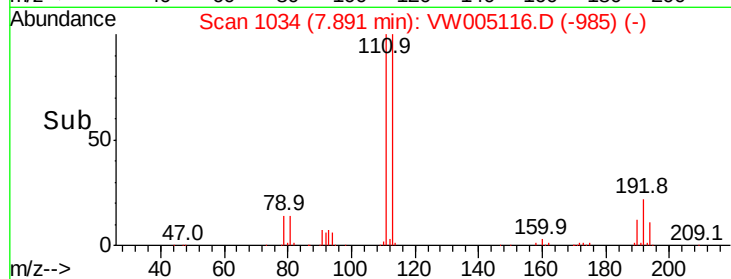
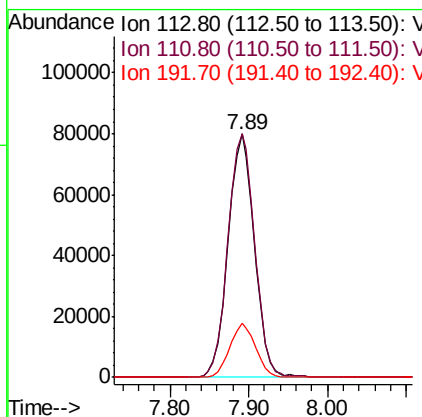
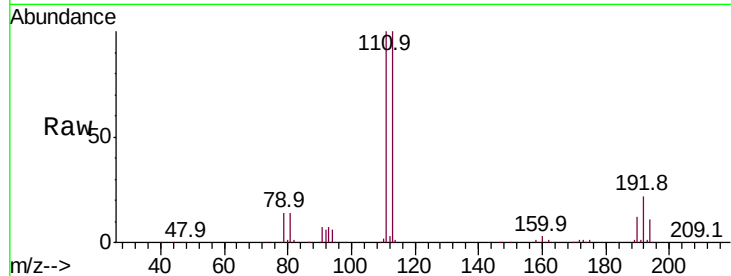




#35
 Dibromofluoromethane
 Concen: 33.602 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: VW005116.D
 Acq: 05 Sep 2018 08:31

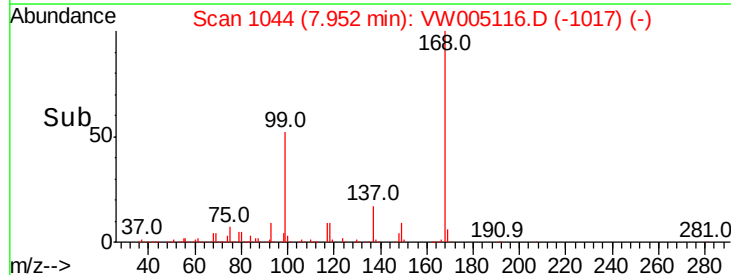
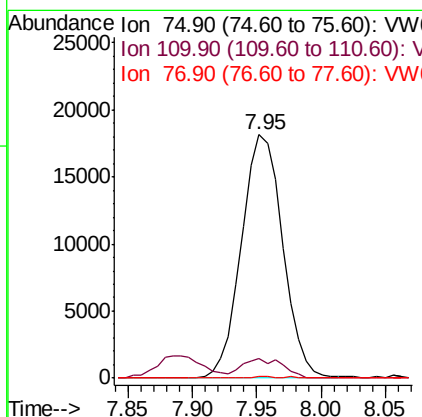
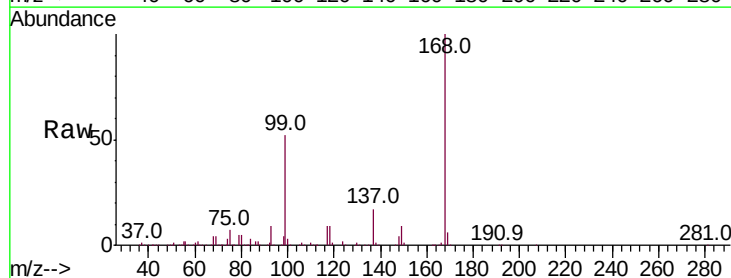
Instrument :
 MSVOA_W
 ClientSampled :

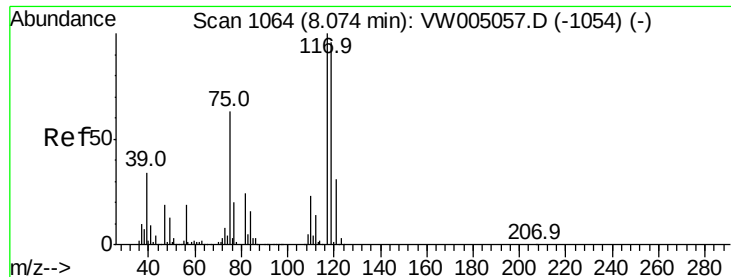
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.2
192	21.7	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.448 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW005116.D
 Acq: 05 Sep 2018 08:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.9	56.7#
77	0.0	25.5	38.3#





#38

Carbon Tetrachloride

Concen: 6.189 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW005116.D

Acq: 05 Sep 2018 08:31

Instrument :

MSVOA_W

ClientSampled :

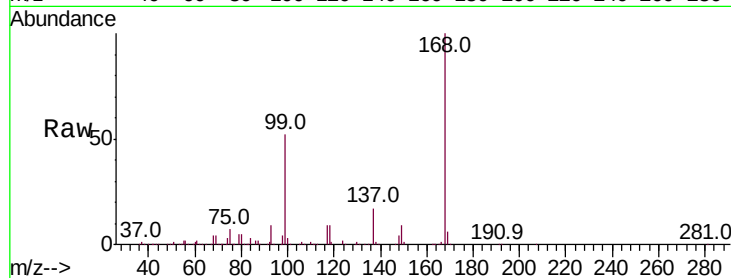
Tot Ion:117 Resp: 53458

Ion Ratio Lower Upper

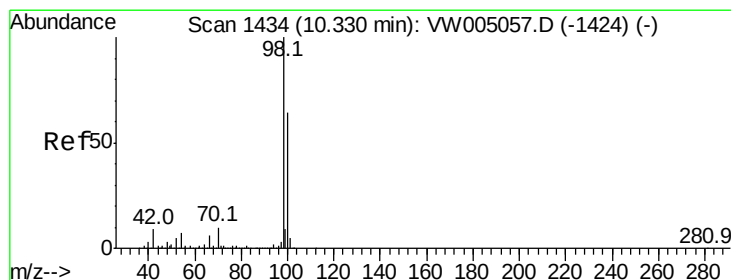
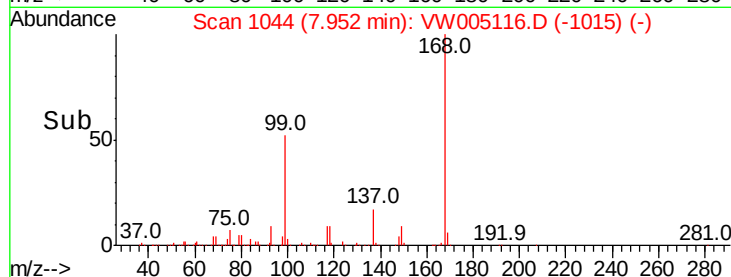
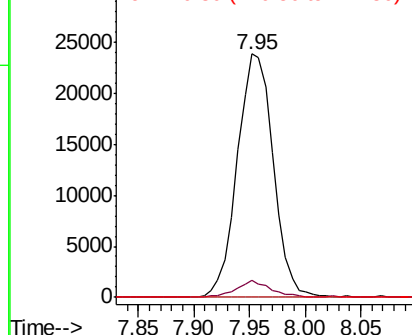
117 100

119 7.0 76.6 115.0#

121 0.0 24.8 37.2#



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: 26.021 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW005116.D

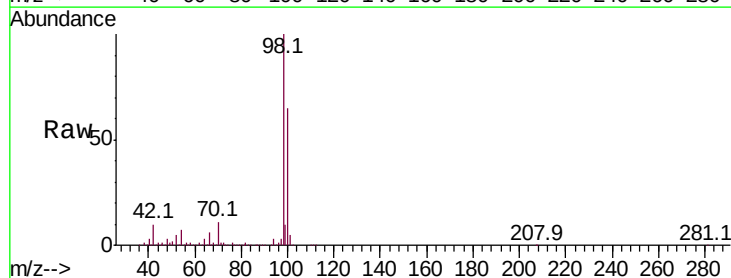
Acq: 05 Sep 2018 08:31

Tgt Ion: 98 Resp: 660946

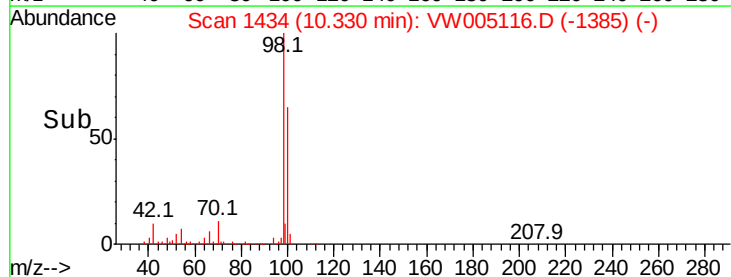
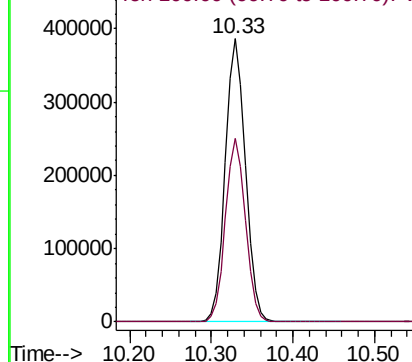
Ion Ratio Lower Upper

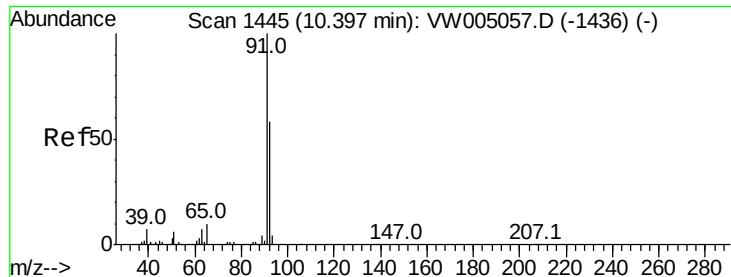
98 100

100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 1.230 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW005116.D

Acq: 05 Sep 2018 08:31

Instrument :

MSVOA_W

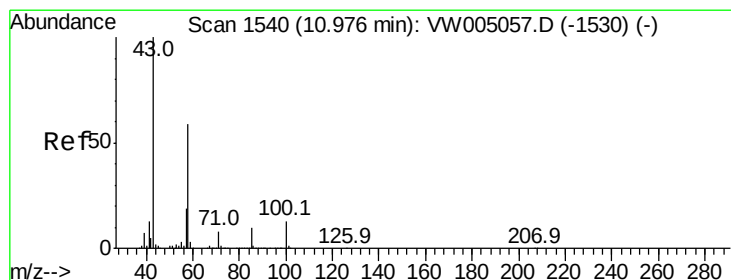
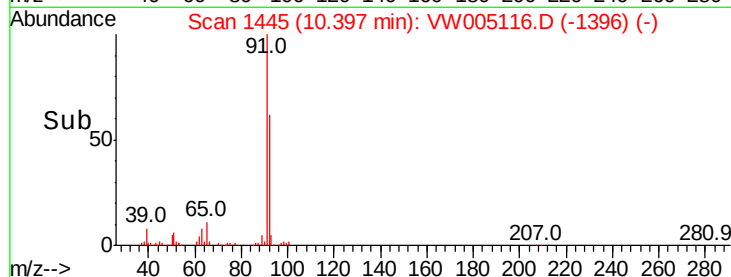
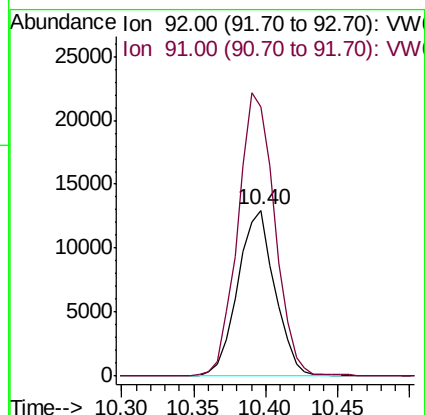
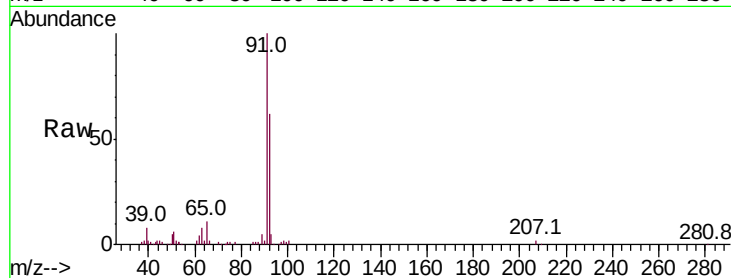
ClientSampled :

Tot Ion: 92 Resp: 23184

Ion Ratio Lower Upper

92 100

91 170.5 139.2 208.8



#59

2-Hexanone

Concen: 2.240 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.04 min

Lab File: VW005116.D

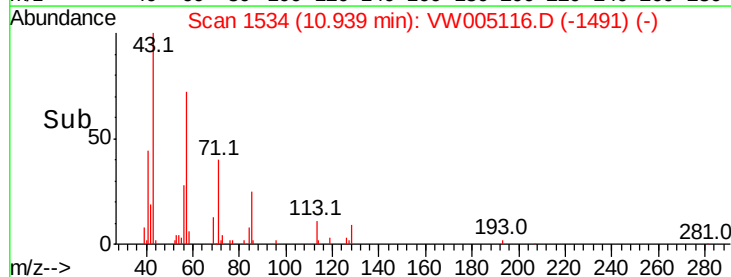
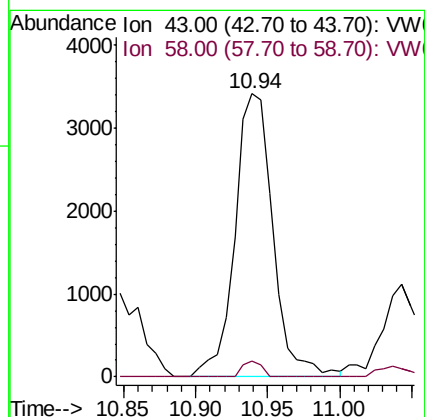
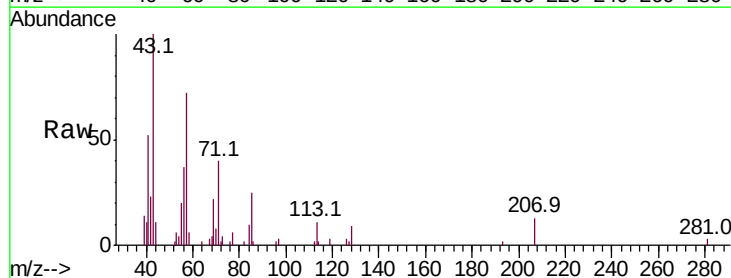
Acq: 05 Sep 2018 08:31

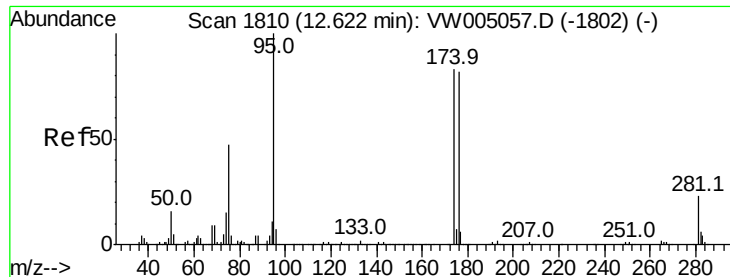
Tgt Ion: 43 Resp: 6278

Ion Ratio Lower Upper

43 100

58 2.7 28.7 86.3#





#62

4-Bromofluorobenzene

Concen: 26.831 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW005116.D

Acq: 05 Sep 2018 08:31

Instrument :

MSVOA_W

ClientSampleId :

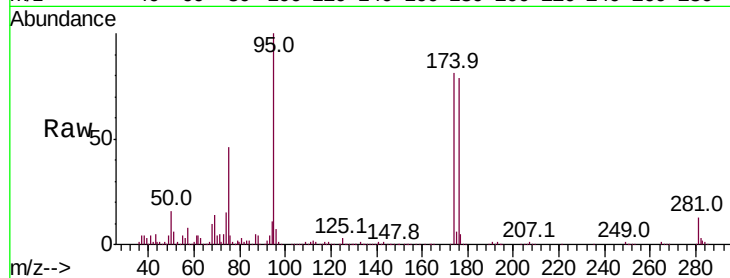
Tot Ion: 95 Resp: 240309

Ion Ratio Lower Upper

95 100

174 83.5 0.0 173.4

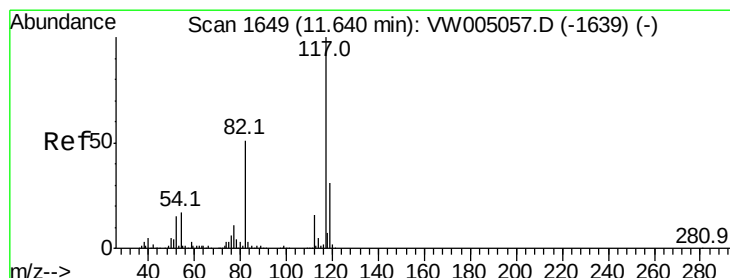
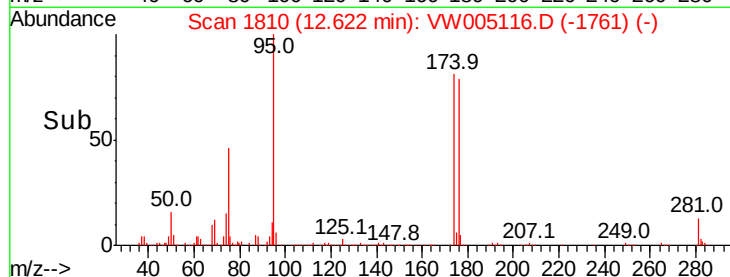
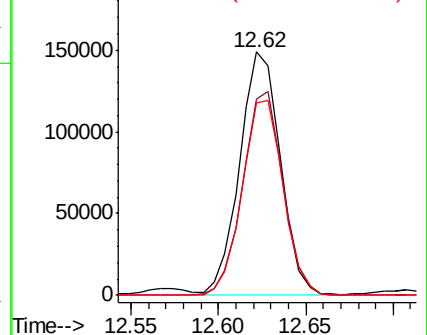
176 81.4 0.0 167.4



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: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VW005116.D

Acq: 05 Sep 2018 08:31

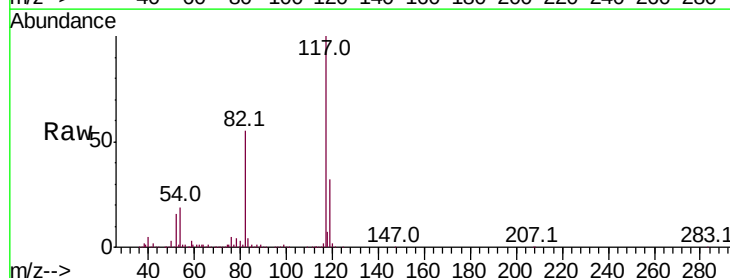
Tgt Ion: 117 Resp: 833583

Ion Ratio Lower Upper

117 100

82 54.5 40.9 61.3

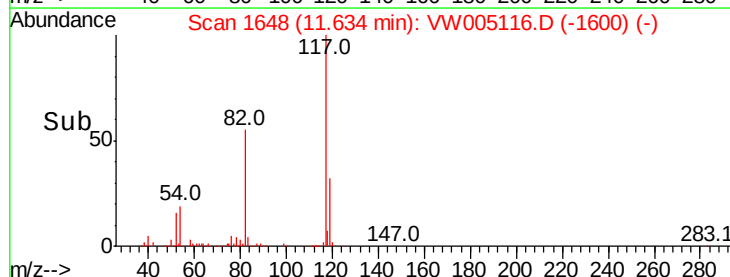
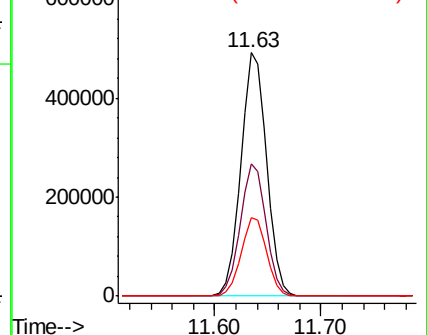
119 32.1 24.9 37.3

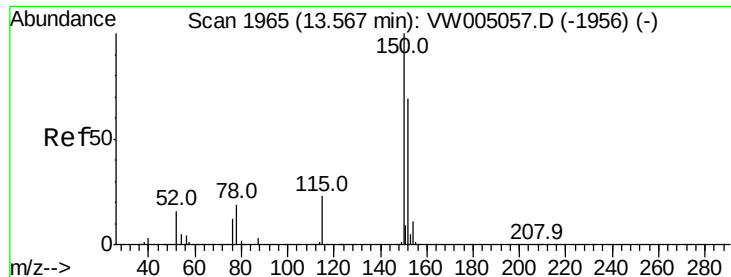


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

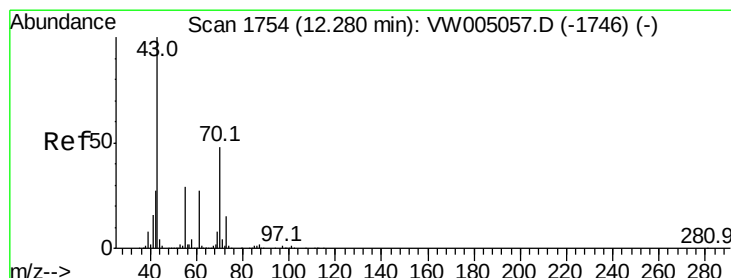
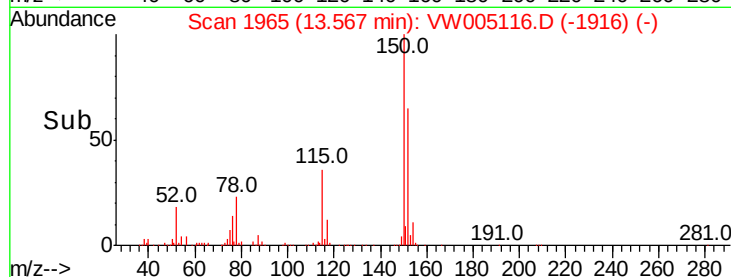
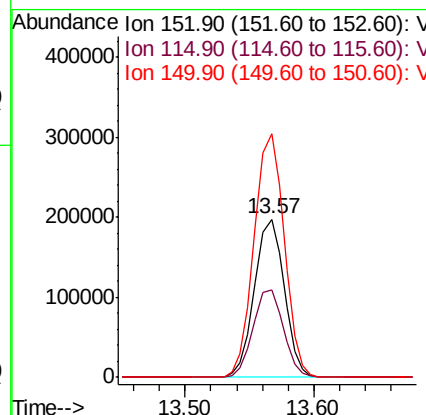
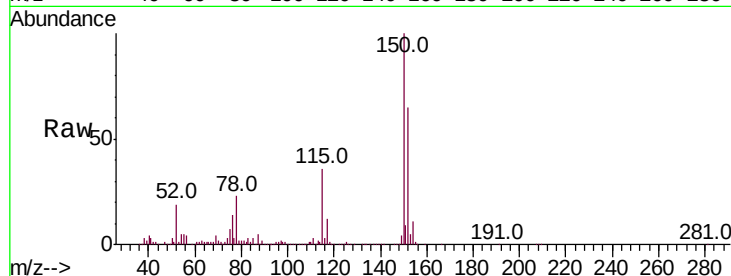




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VW005116.D
 Acq: 05 Sep 2018 08:31

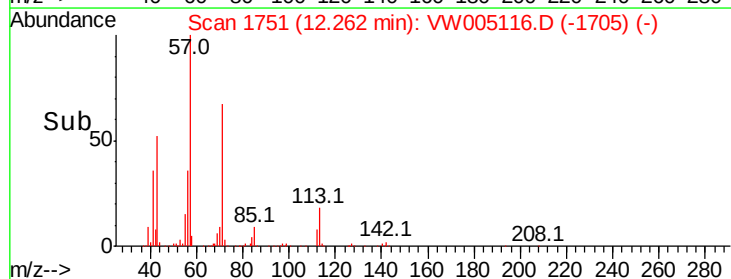
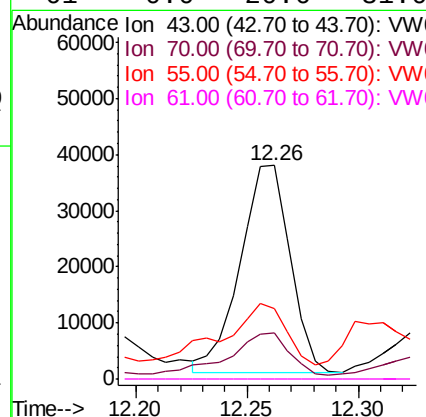
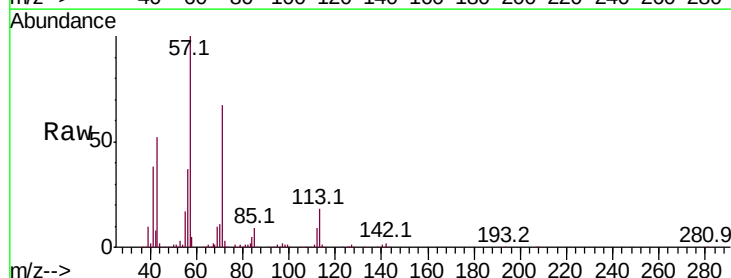
Instrument :
 MSVOA_W
 ClientSampleId :

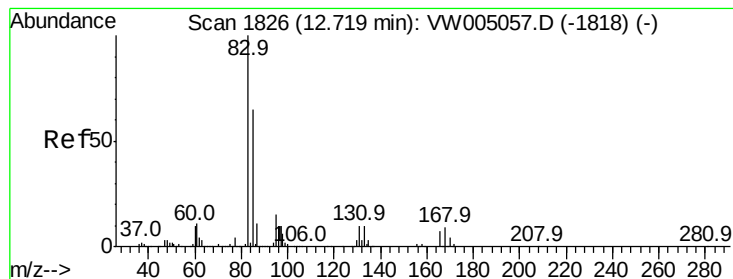
Tot Ion:152 Resp: 315292
 Ion Ratio Lower Upper
 152 100
 115 56.4 27.8 83.4
 150 155.6 0.0 351.4



#74
 N-ethyl acetate
 Concen: 15.118 ug/l
 RT: 12.26 min Scan# 1751
 Delta R.T. -0.02 min
 Lab File: VW005116.D
 Acq: 05 Sep 2018 08:31

Tgt Ion: 43 Resp: 57870
 Ion Ratio Lower Upper
 43 100
 70 24.1 38.2 57.4#
 55 36.8 23.2 34.8#
 61 0.0 20.6 31.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.694 ug/l

RT: 12.70 min Scan# 1823

Delta R.T. -0.02 min

Lab File: VW005116.D

Acq: 05 Sep 2018 08:31

Instrument :

MSVOA_W

ClientSampleId :

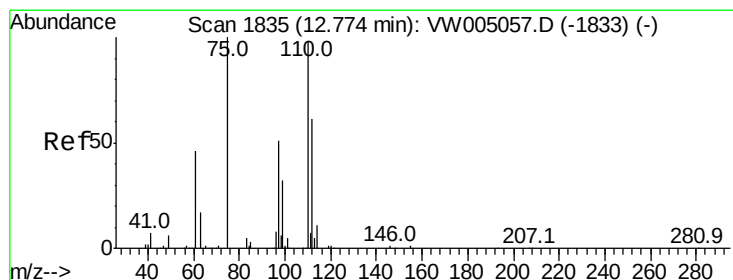
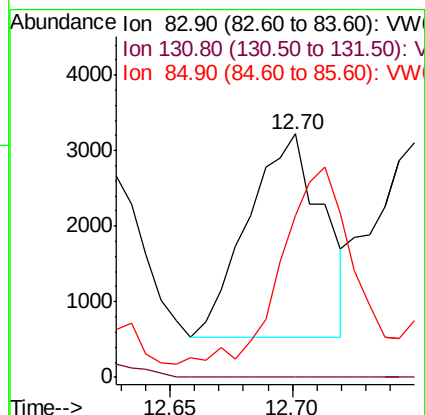
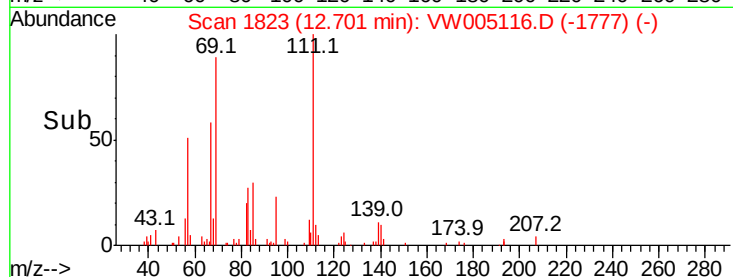
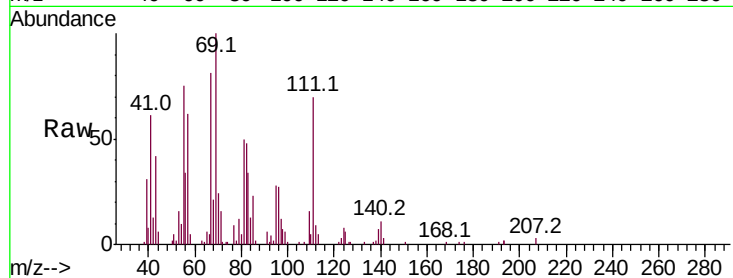
Tot Ion: 83 Resp: 5733

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

85 92.2 32.5 97.4



#76

1,2,3-Trichloropropane

Concen: 45.981 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW005116.D

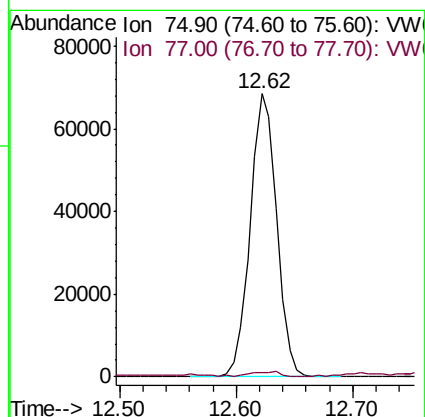
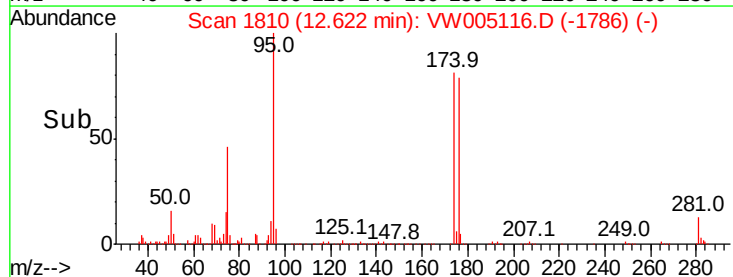
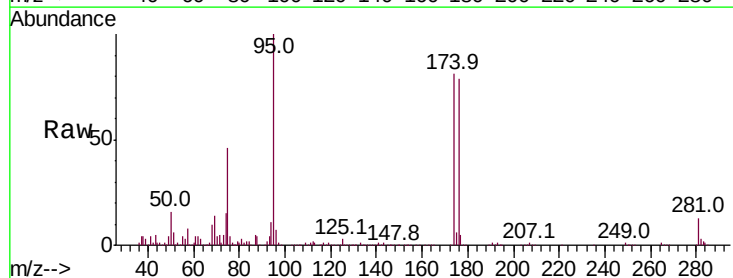
Acq: 05 Sep 2018 08:31

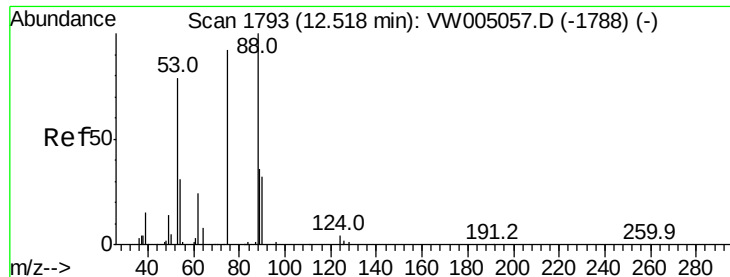
Tgt Ion: 75 Resp: 108821

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 110.671 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW005116.D

Acq: 05 Sep 2018 08:31

Instrument :

MSVOA_W

ClientSampleId :

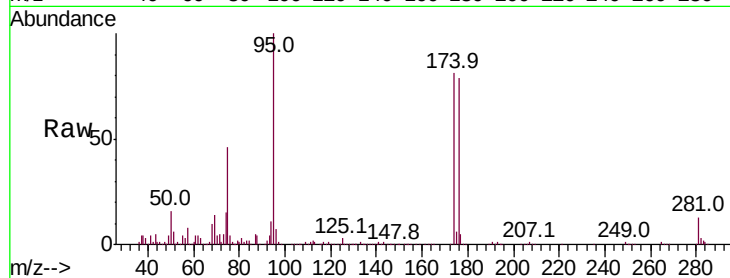
Tot Ion: 75 Resp: 108821

Ion Ratio Lower Upper

75 100

53 1.7 69.8 104.8#

89 0.2 36.0 54.0#

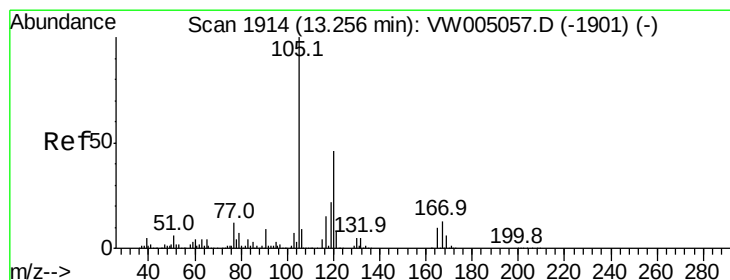
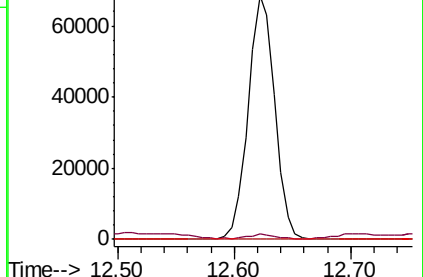
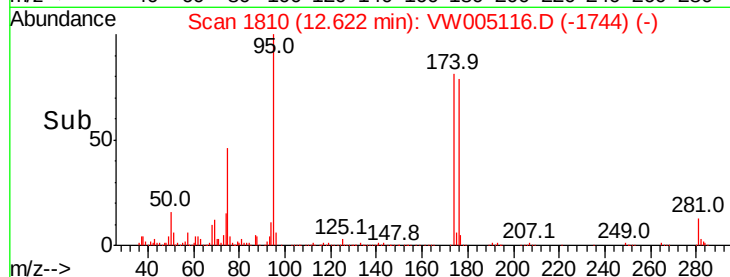


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

12.62



#84

1,2,4-Trimethylbenzene

Concen: 1.066 ug/l

RT: 13.26 min Scan# 1914

Delta R.T. 0.00 min

Lab File: VW005116.D

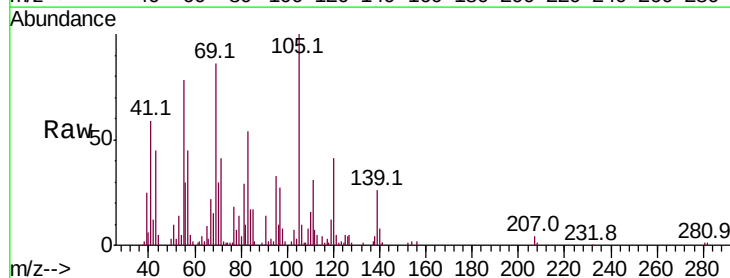
Acq: 05 Sep 2018 08:31

Tgt Ion: 105 Resp: 20868

Ion Ratio Lower Upper

105 100

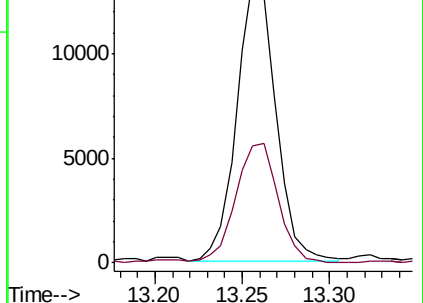
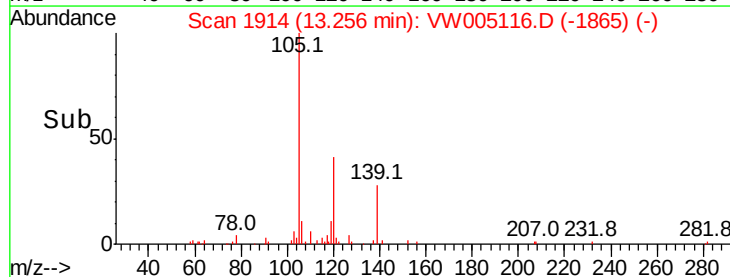
120 46.2 23.1 69.3

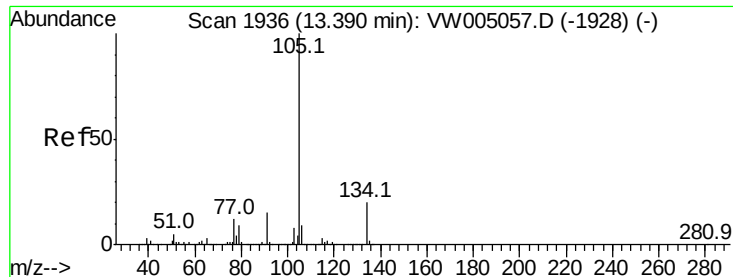


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.26





#85

sec-Butylbenzene

Concen: 1.472 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW005116.D

Acq: 05 Sep 2018 08:31

Instrument :

MSVOA_W

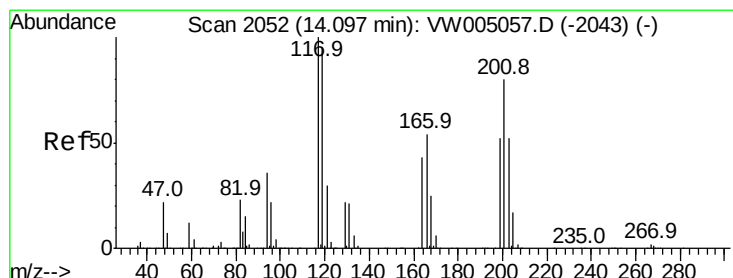
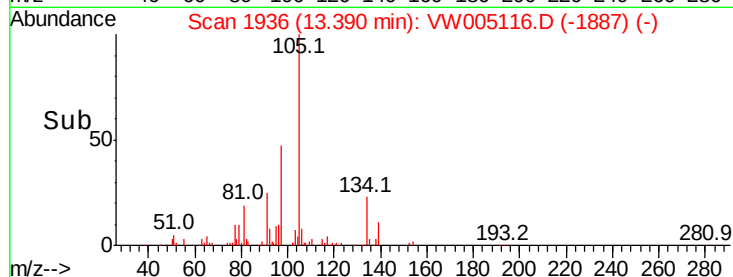
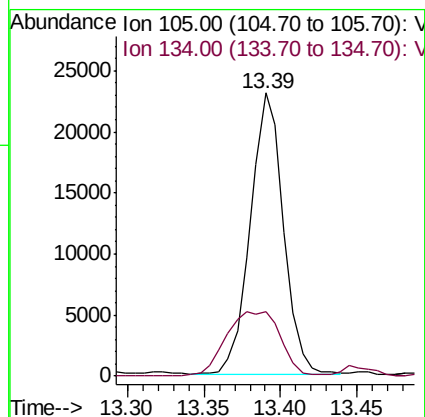
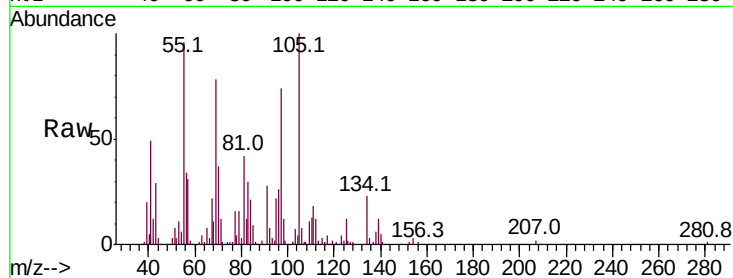
ClientSampleId :

Tot Ion:105 Resp: 34730

Ion Ratio Lower Upper

105 100

134 37.5 10.1 30.3#



#90

Hexachloroethane

Concen: 2.203 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.01 min

Lab File: VW005116.D

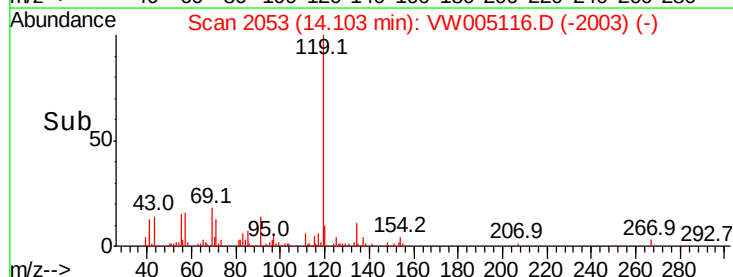
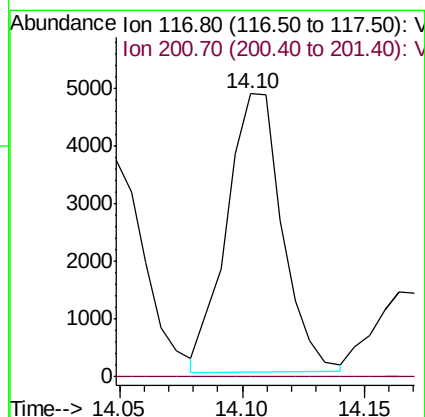
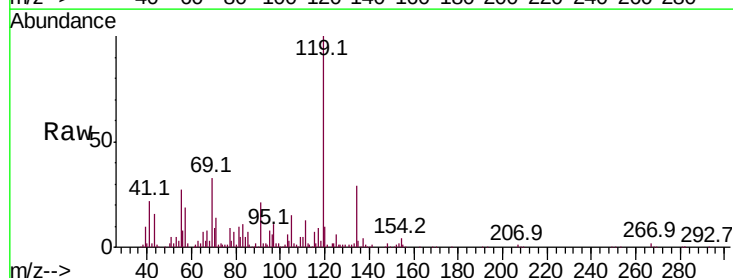
Acq: 05 Sep 2018 08:31

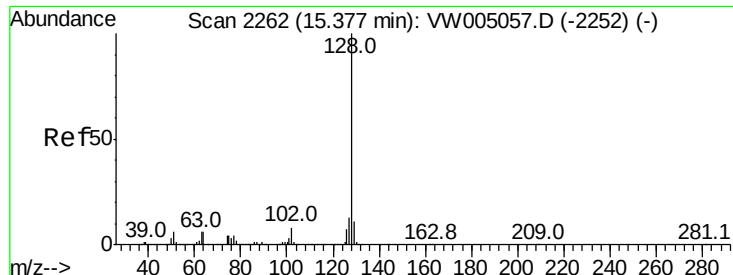
Tgt Ion:117 Resp: 7642

Ion Ratio Lower Upper

117 100

201 0.0 44.6 133.8#





#95

Naphthalene

Concen: 4.065 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW005116.D

Acq: 05 Sep 2018 08:31

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:128 Resp: 1059

Ion Ratio Lower Upper

128 100

127 20.3 10.4 15.6#

129 24.2 8.7 13.1#

