

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\
 Data File : VW005119.D
 Acq On : 05 Sep 2018 09:48
 Operator : SY/AP
 Sample : J4712-11
 Misc : 5.16G/5ML/MSVOA W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 05 10:44:15 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	346638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	529583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	267403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	66512	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	140503	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
35) Dibromofluoromethane	7.89	113	122933	40.17	ug/l	0.00
Spiked Amount			Recovery	=	80.34%	
50) Toluene-d8	10.33	98	265183	18.81	ug/l	0.00
Spiked Amount			Recovery	=	37.62%	
62) 4-Bromofluorobenzene	12.63	95	65668	13.21	ug/l	0.00
Spiked Amount			Recovery	=	26.42%	

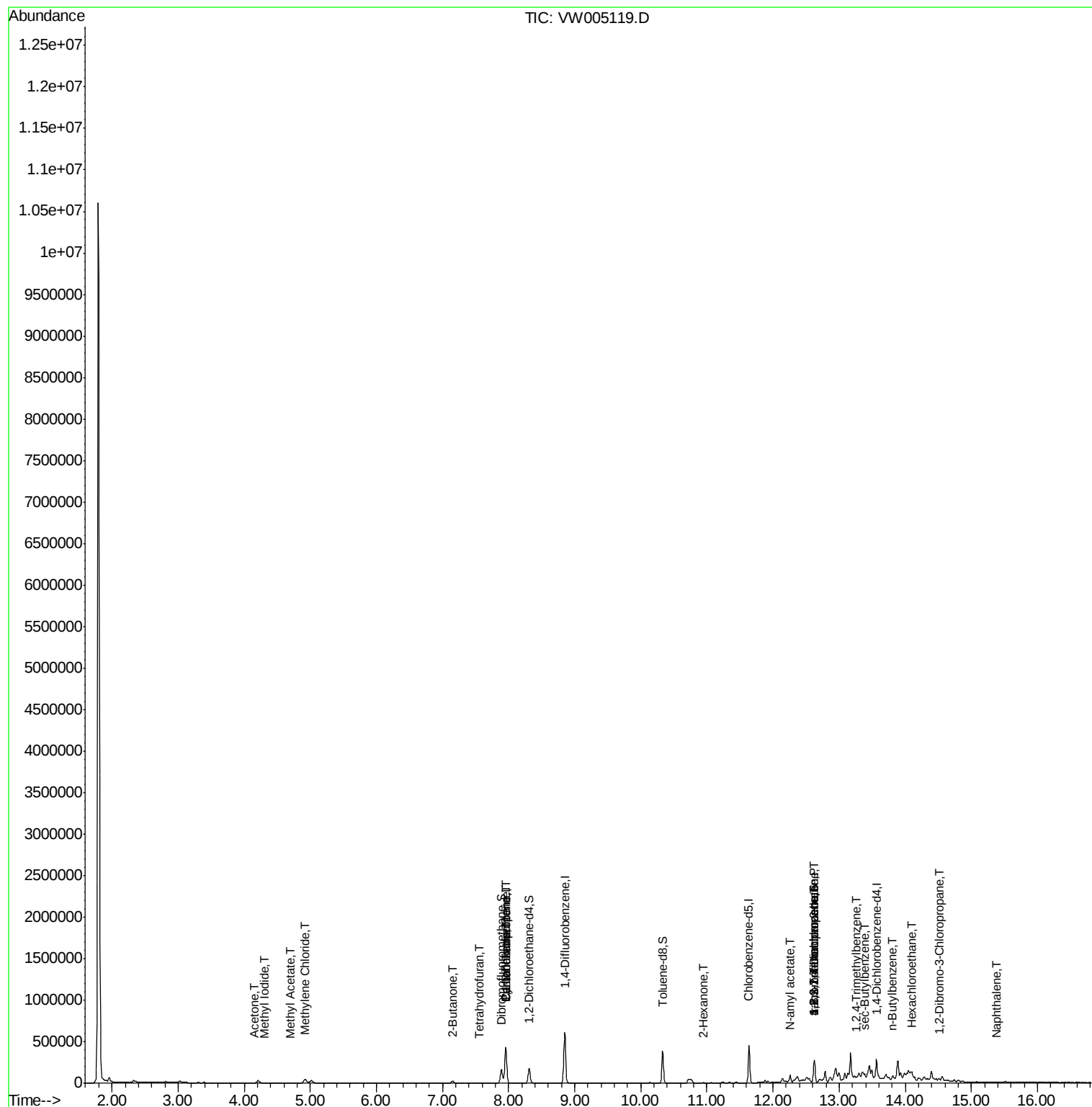
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	591	Below Cal	#	48
10) Methyl Iodide	4.29	142	132	3.845	ug/l #	44
11) Tert butyl alcohol	5.19	59	234	Below Cal	#	72
16) Acetone	4.15	43	3503	6.079	ug/l #	85
18) Methyl Acetate	4.69	43	2828	1.668	ug/l #	79
20) Methylene Chloride	4.93	84	36133	5.844	ug/l	99
25) 2-Butanone	7.15	43	1139	1.140	ug/l #	46
29) Tetrahydrofuran	7.56	42	512	1.003	ug/l #	49
31) Cyclohexane	7.96	56	6360	1.127	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	24117	4.782	ug/l #	48
38) Carbon Tetrachloride	7.96	117	30953	6.454	ug/l #	17
59) 2-Hexanone	10.95	43	2233	1.435	ug/l #	22
74) N-amyl acetate	12.26	43	17216	21.319	ug/l #	68
75) 1,1,2,2-Tetrachloroethane	12.63	83	1617	2.265	ug/l	84
76) 1,2,3-Trichloropropane	12.63	75	30126	60.342	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	30126	145.237	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.26	105	7596	1.839	ug/l	98
85) sec-Butylbenzene	13.39	105	11955	2.402	ug/l #	60
89) n-Butylbenzene	13.81	91	4206	1.030	ug/l #	1
90) Hexachloroethane	14.11	117	2438	3.331	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.51	75	271	2.429	ug/l #	1
95) Naphthalene	15.38	128	947	4.343	ug/l #	75

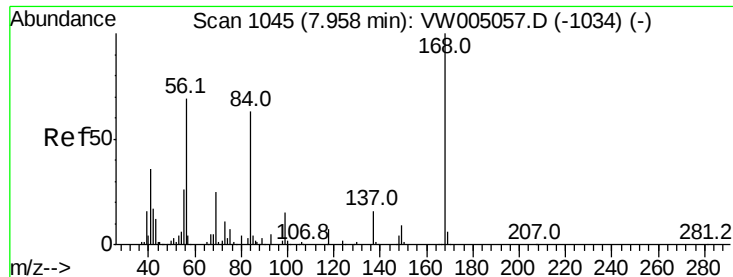
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090418\
Data File : VW005119.D
Acq On : 05 Sep 2018 09:48
Operator : SY/AP
Sample : J4712-11
Misc : 5.16G/5ML/MSVOA W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 05 10:44:15 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260
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: VW005119.D

Acq: 05 Sep 2018 09:48

Instrument :

MSVOA_W

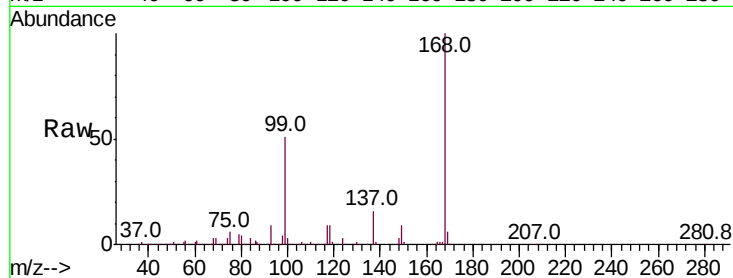
ClientSampleId :

Tot Ion:168 Resp: 346638

Ion Ratio Lower Upper

168 100

99 50.6 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

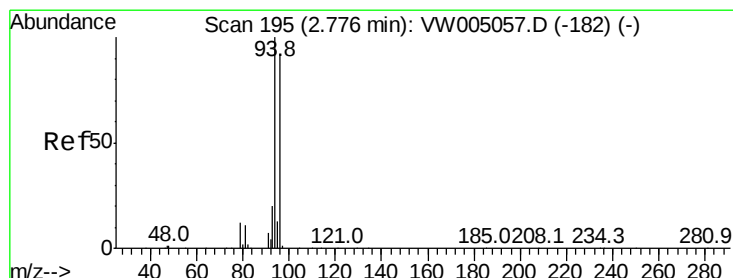
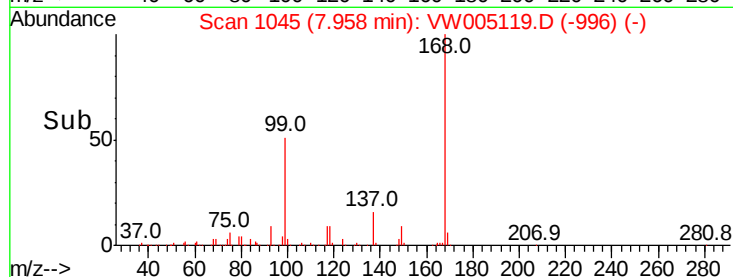
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW005119.D

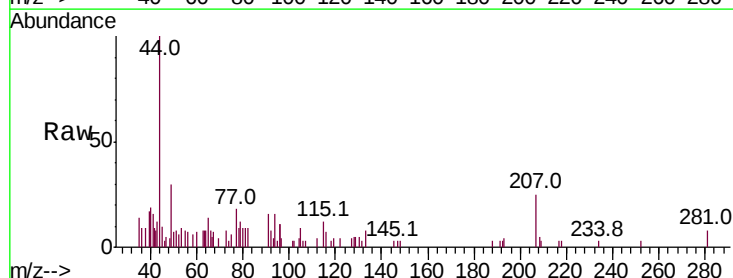
Acq: 05 Sep 2018 09:48

Tgt Ion: 94 Resp: 591

Ion Ratio Lower Upper

94 100

96 140.8 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

500

400

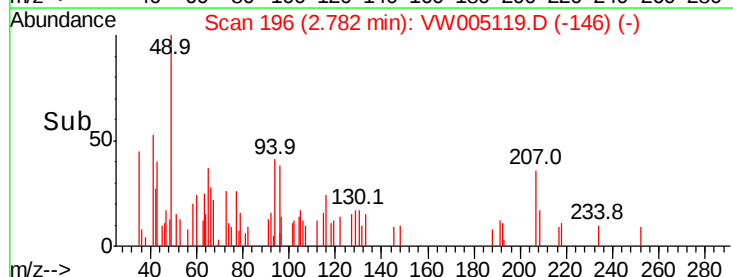
300

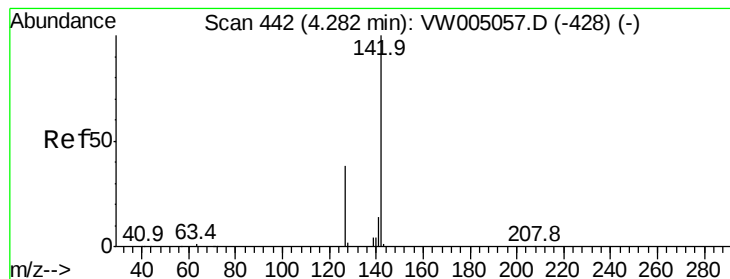
200

100

0

Time--> 2.70 2.75 2.80





#10

Methvl Iodide

Concen: 3.845 ug/l

RT: 4.29 min Scan# 444

Delta R.T. 0.01 min

Lab File: VW005119.D

Acq: 05 Sep 2018 09:48

Instrument :
MSVOA_W
ClientSampled :

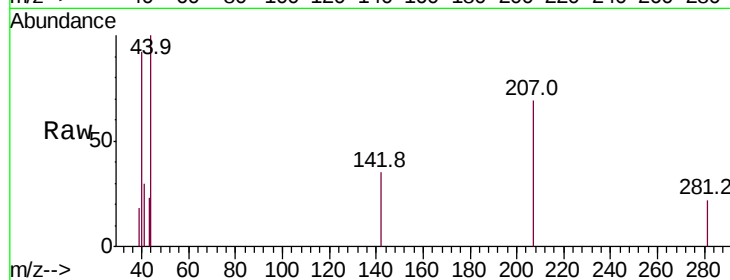
Tot Ion:142 Resp: 132

Ion Ratio Lower Upper

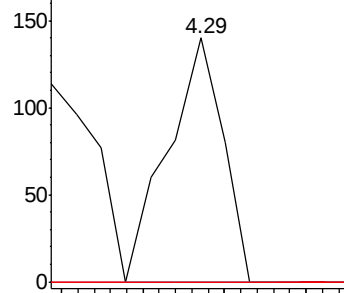
142 100

127 0.0 30.8 46.2#

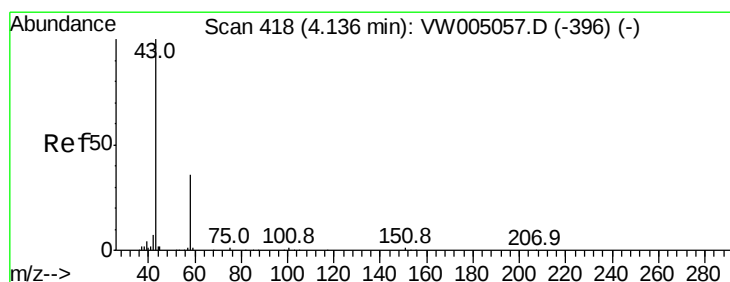
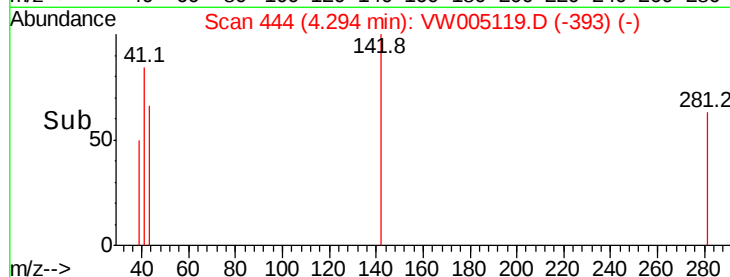
141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



Time--> 4.26 4.28 4.30 4.32



#16

Acetone

Concen: 6.079 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW005119.D

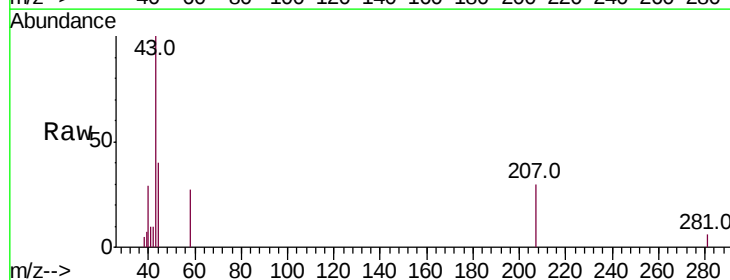
Acq: 05 Sep 2018 09:48

Tgt Ion: 43 Resp: 3503

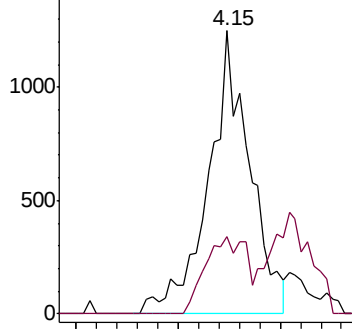
Ion Ratio Lower Upper

43 100

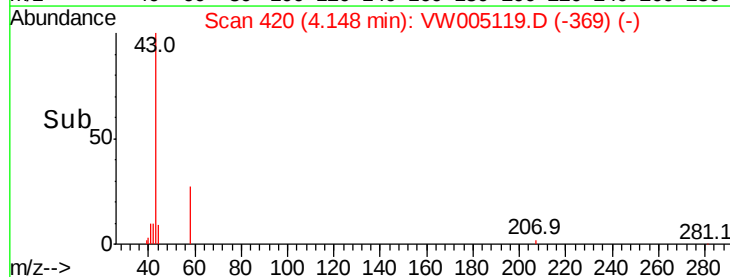
58 27.2 29.0 43.6#

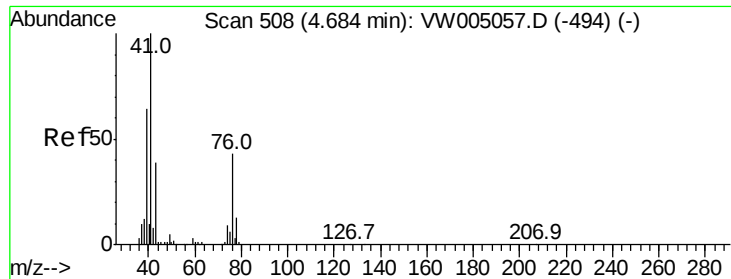


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



Time--> 4.00 4.10 4.20

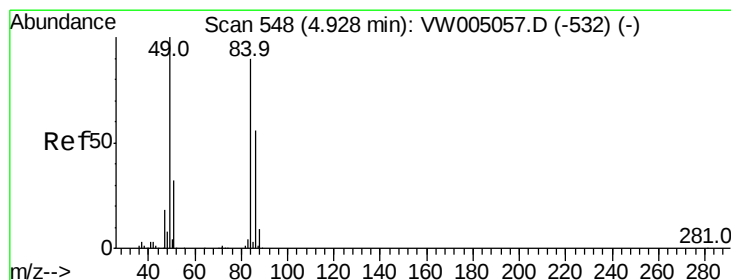
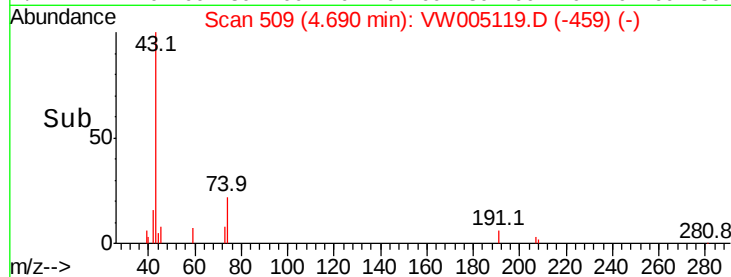
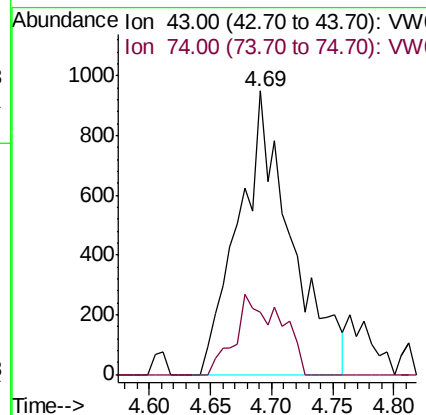
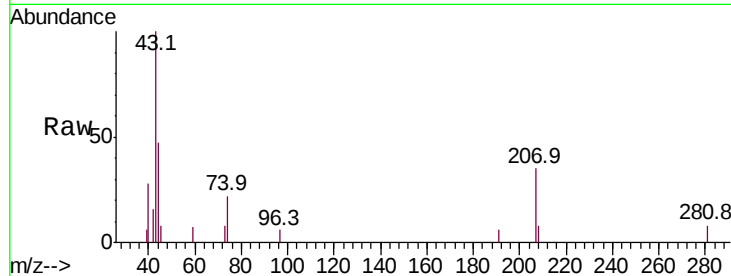




#18
Methyl Acetate
Concen: 1.668 ug/l
RT: 4.69 min Scan# 509
Delta R.T. 0.01 min
Lab File: VW005119.D
Acq: 05 Sep 2018 09:48

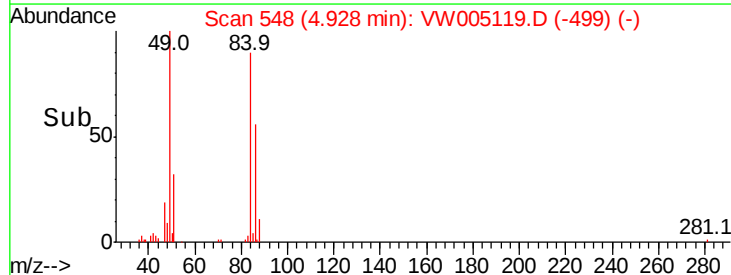
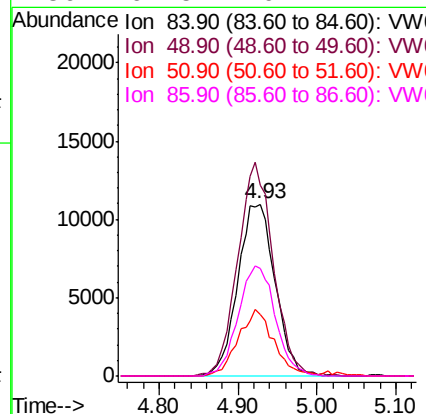
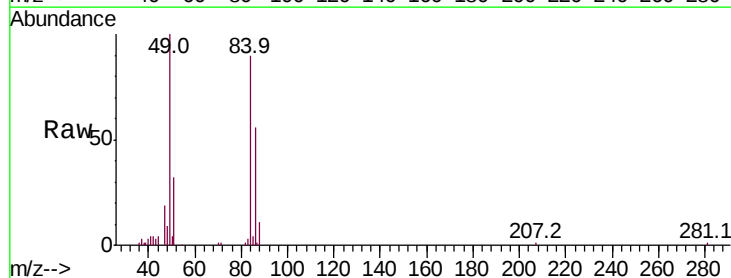
Instrument :
MSVOA_W
ClientSampled :

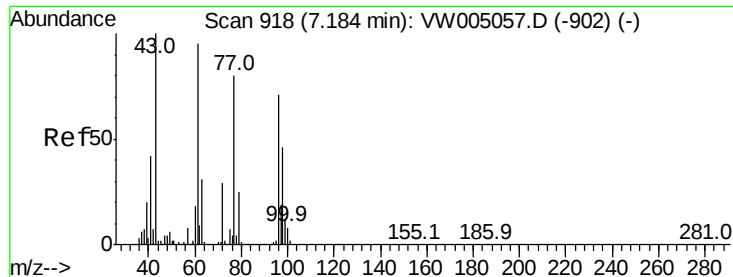
Tot Ion: 43 Resp: 2828
Ion Ratio Lower Upper
43 100
74 15.4 20.7 31.1#



#20
Methylene Chloride
Concen: 5.844 ug/l
RT: 4.93 min Scan# 548
Delta R.T. 0.00 min
Lab File: VW005119.D
Acq: 05 Sep 2018 09:48

Tgt Ion: 84 Resp: 36133
Ion Ratio Lower Upper
84 100
49 111.5 88.7 133.1
51 35.8 28.6 42.8
86 62.5 49.4 74.2





#25

2-Butanone

Concen: 1.140 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.03 min

Lab File: VW005119.D

Acq: 05 Sep 2018 09:48

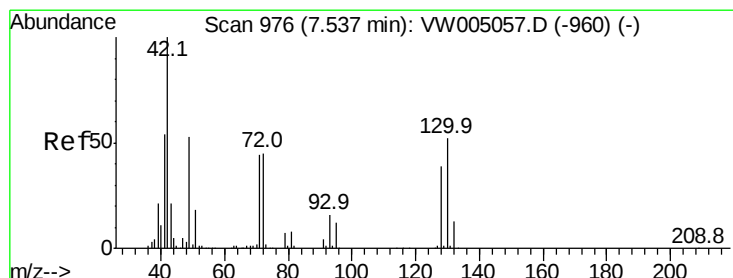
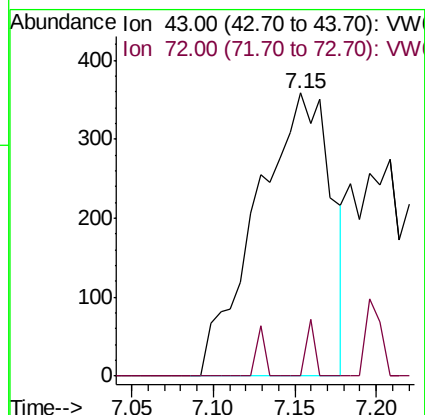
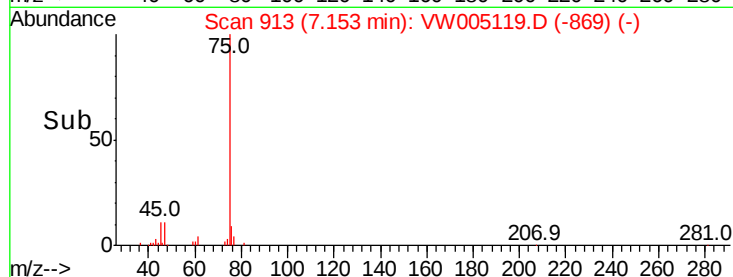
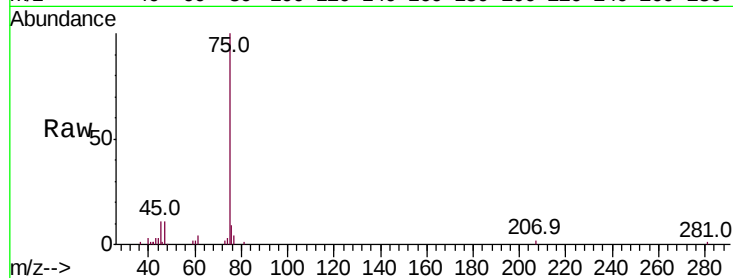
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1139

Ion Ratio Lower Upper

43 100

72 0.0 23.1 34.7#



#29

Tetrahydrofuran

Concen: 1.003 ug/l

RT: 7.56 min Scan# 979

Delta R.T. 0.02 min

Lab File: VW005119.D

Acq: 05 Sep 2018 09:48

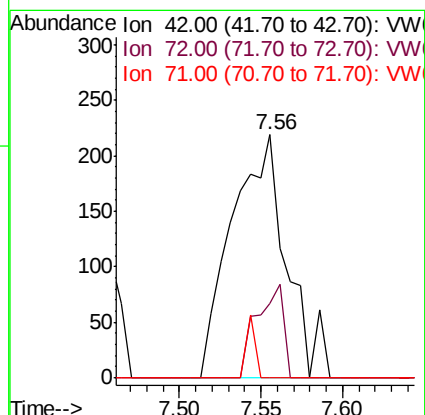
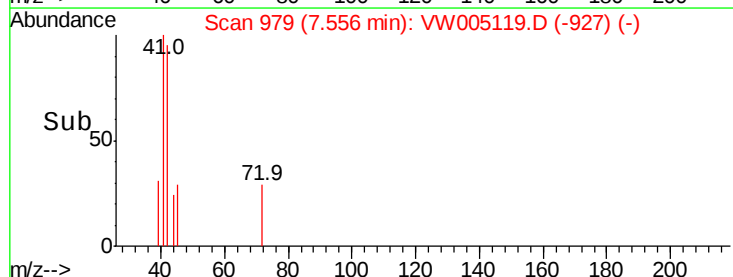
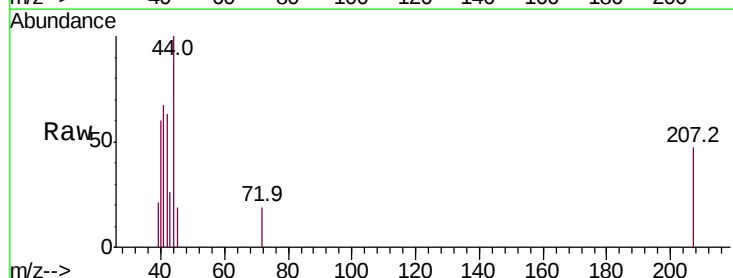
Tgt Ion: 42 Resp: 512

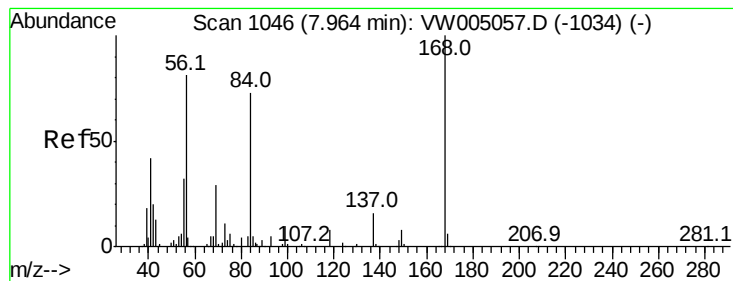
Ion Ratio Lower Upper

42 100

72 18.8 37.0 55.4#

71 3.9 35.0 52.6#





#31

Cyclohexane

Concen: 1.127 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.01 min

Lab File: VW005119.D

Acq: 05 Sep 2018 09:48

Instrument :
MSVOA_W
ClientSampled :

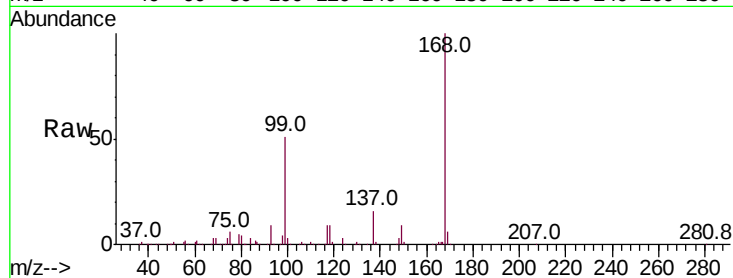
Tot Ion: 56 Resp: 6360

Ion Ratio Lower Upper

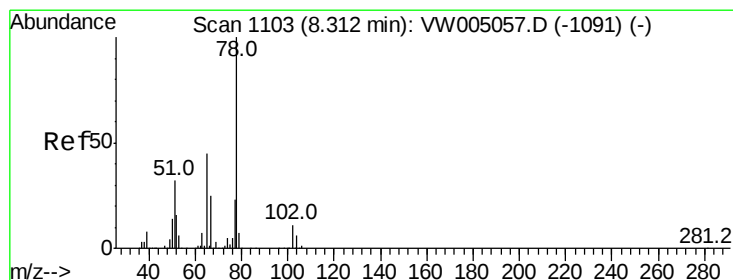
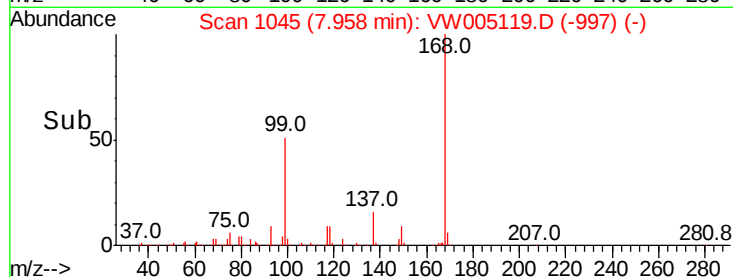
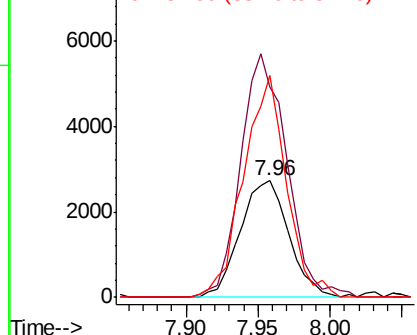
56 100

69 179.6 28.2 42.2#

84 190.0 71.8 107.8#



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: 48.897 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW005119.D

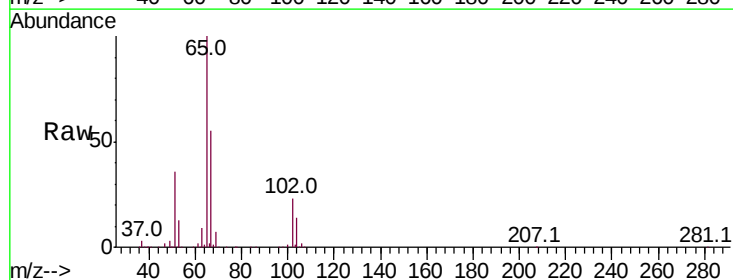
Acq: 05 Sep 2018 09:48

Tgt Ion: 65 Resp: 140503

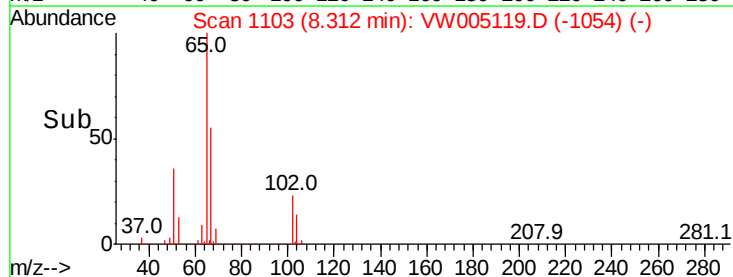
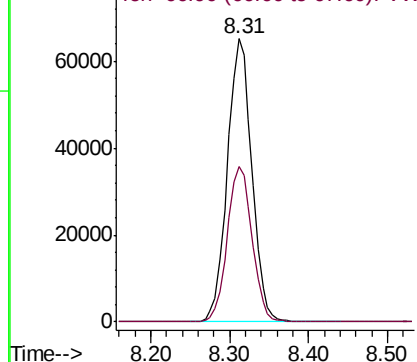
Ion Ratio Lower Upper

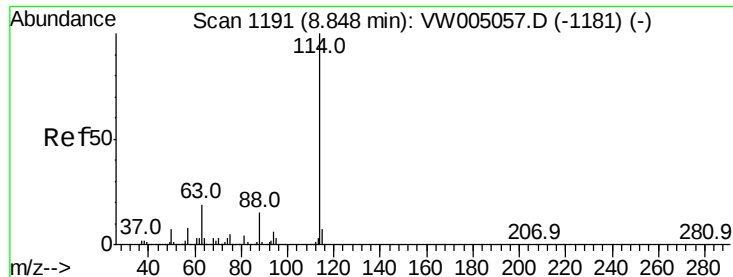
65 100

67 55.6 0.0 109.4



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

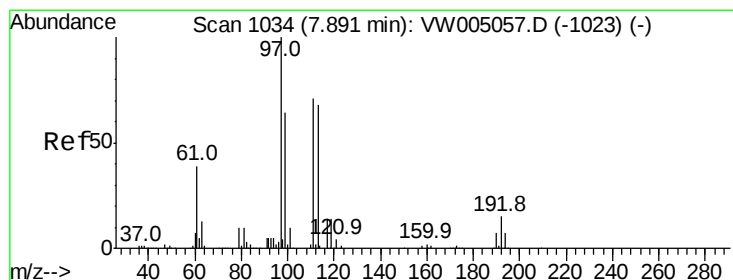
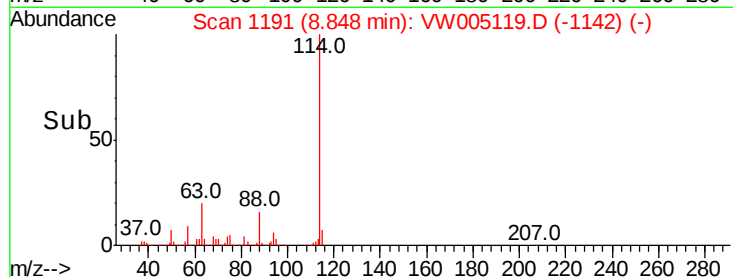
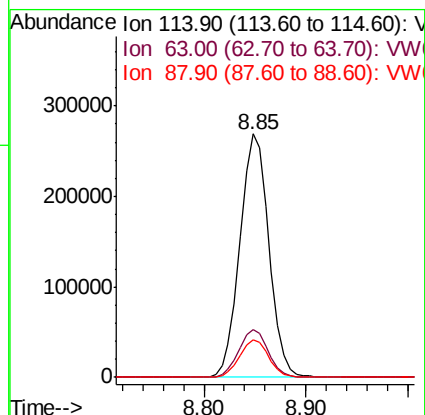
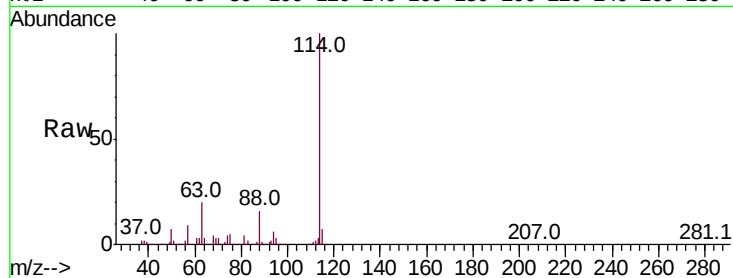




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VW005119.D
Acq: 05 Sep 2018 09:48

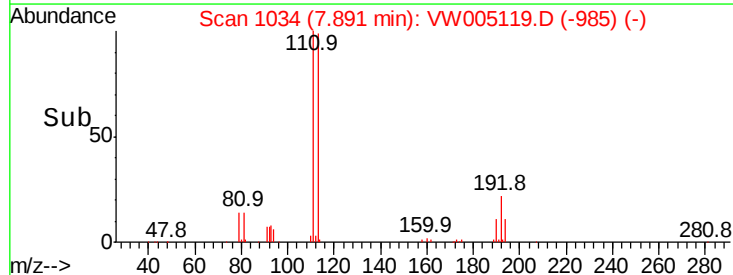
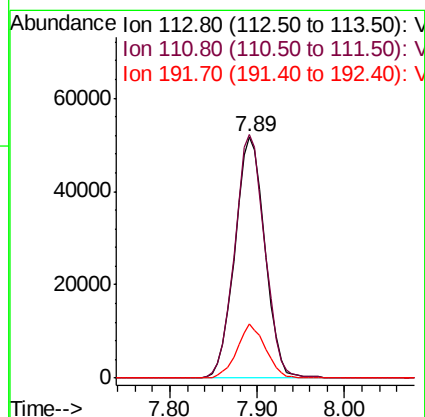
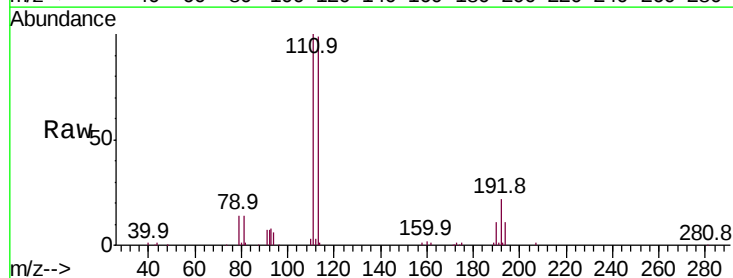
Instrument :
MSVOA_W
ClientSampleId :

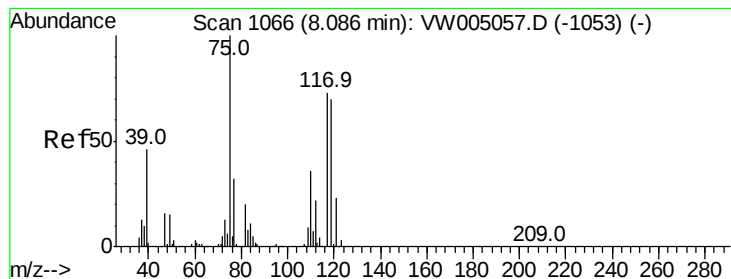
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.0
88	15.7	0.0	30.2



#35
Dibromofluoromethane
Concen: 40.169 ug/l
RT: 7.89 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VW005119.D
Acq: 05 Sep 2018 09:48

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.2	123.2
192	21.3	18.1	27.1





#36

1,1-Dichloropropene

Concen: 4.782 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW005119.D

Acq: 05 Sep 2018 09:48

Instrument :
MSVOA_W
ClientSampled :

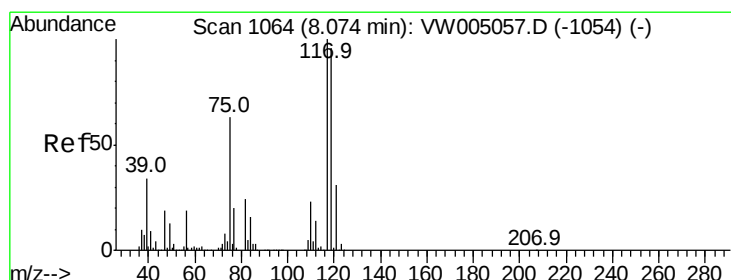
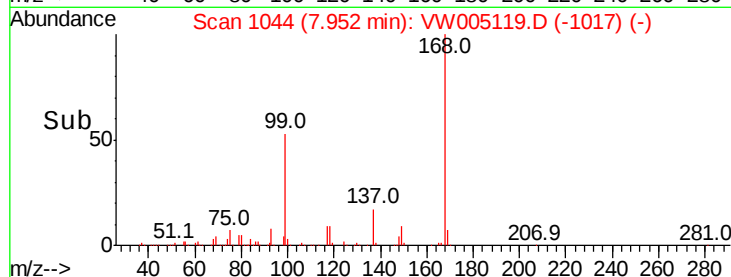
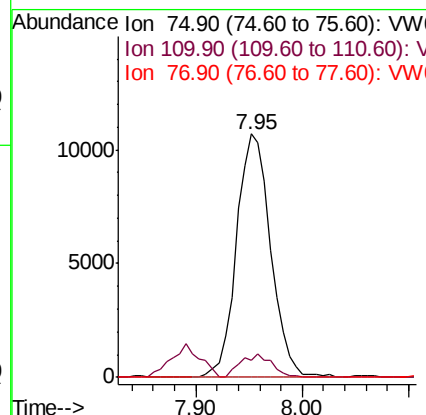
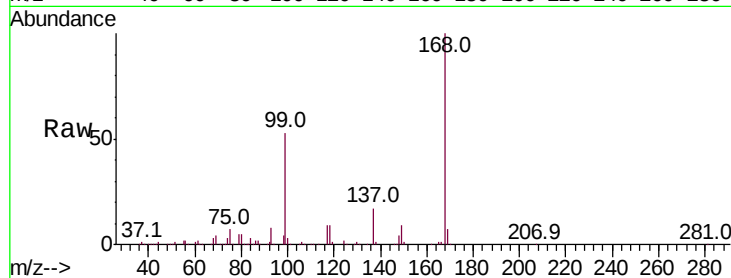
Tot Ion: 75 Resp: 24117

Ion Ratio Lower Upper

75 100

110 8.8 18.9 56.7#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 6.454 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW005119.D

Acq: 05 Sep 2018 09:48

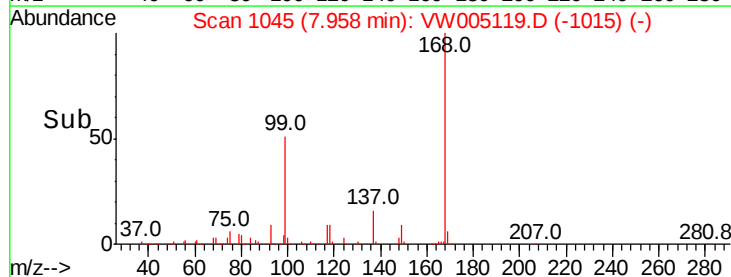
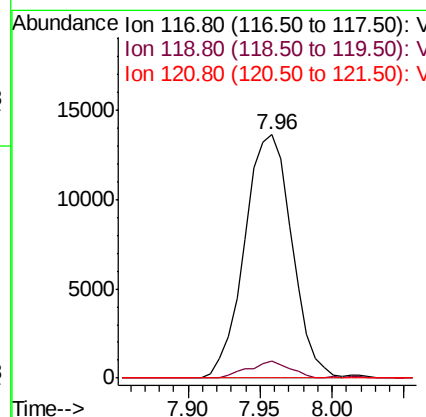
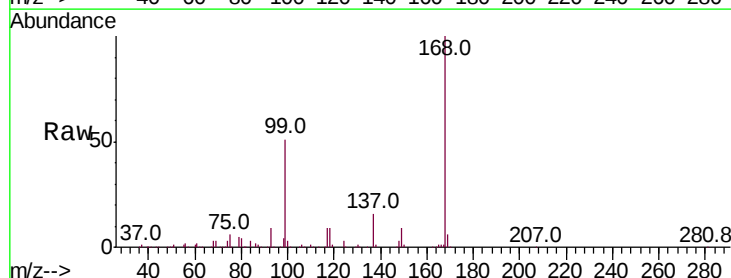
Tgt Ion: 117 Resp: 30953

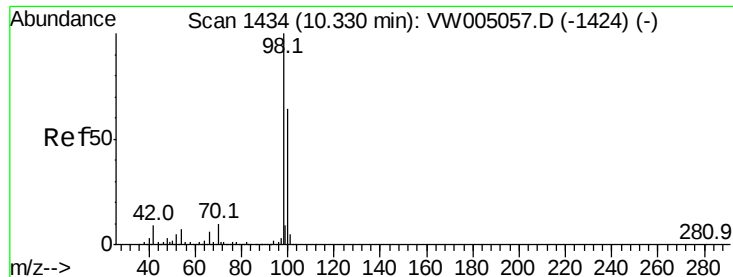
Ion Ratio Lower Upper

117 100

119 6.9 76.6 115.0#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 18.805 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW005119.D

Acq: 05 Sep 2018 09:48

Instrument :

MSVOA_W

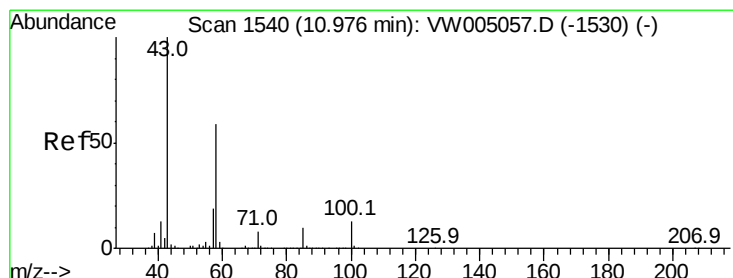
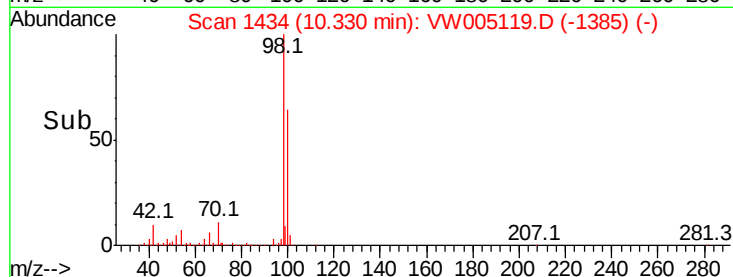
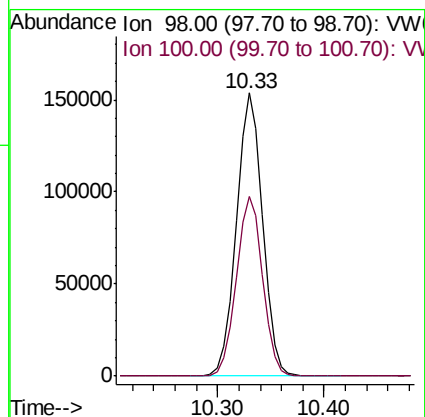
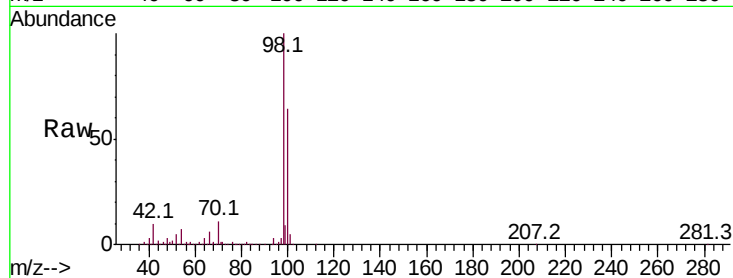
ClientSampled :

Tot Ion: 98 Resp: 265183

Ion Ratio Lower Upper

98 100

100 63.7 51.7 77.5



#59

2-Hexanone

Concen: 1.435 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.03 min

Lab File: VW005119.D

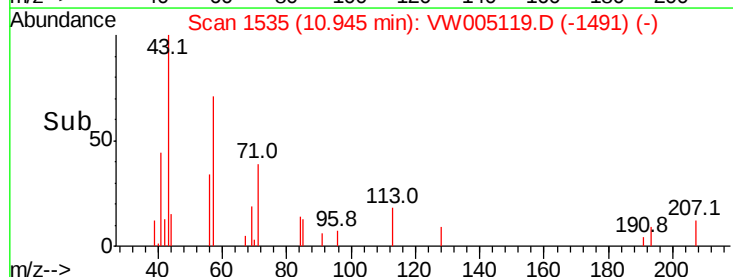
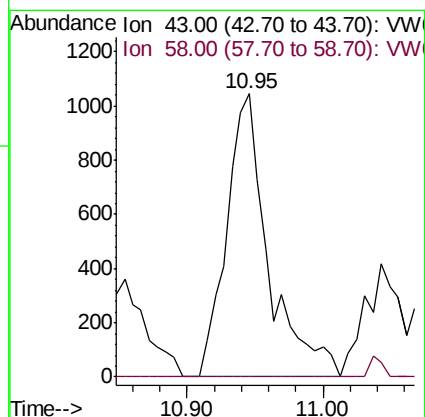
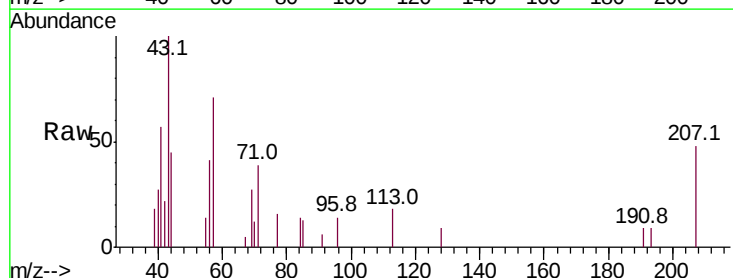
Acq: 05 Sep 2018 09:48

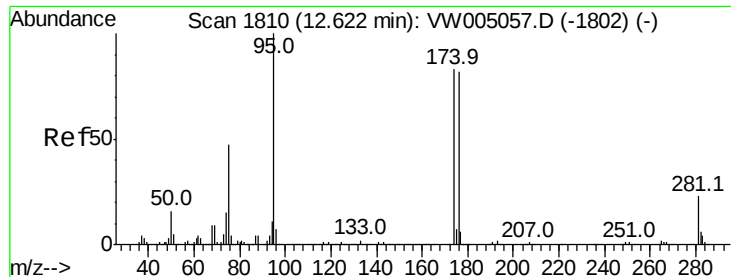
Tgt Ion: 43 Resp: 2233

Ion Ratio Lower Upper

43 100

58 0.0 28.7 86.3#

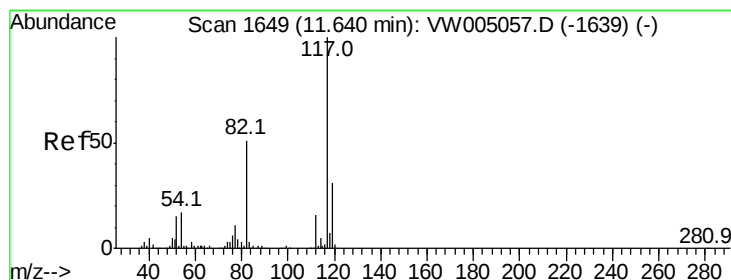
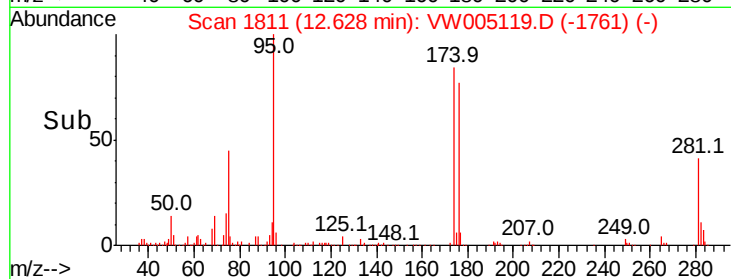
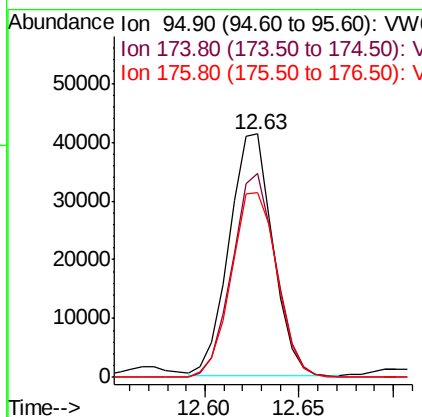
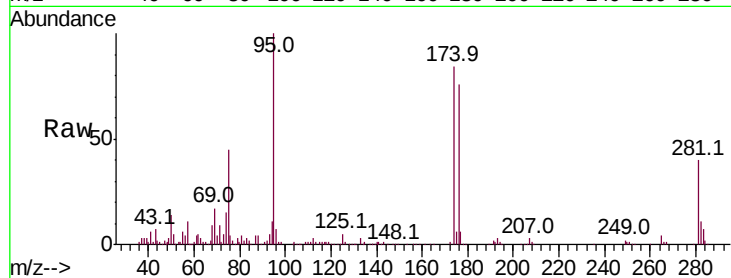




#62
4-Bromofluorobenzene
Concen: 13.207 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW005119.D
Acq: 05 Sep 2018 09:48

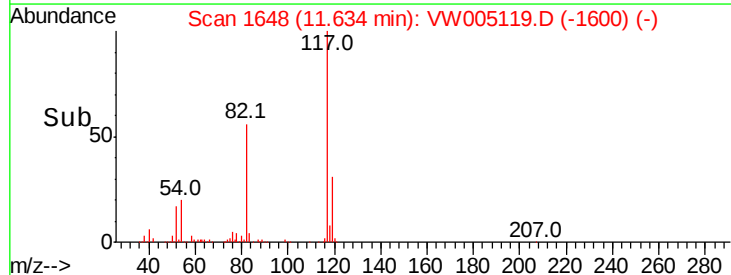
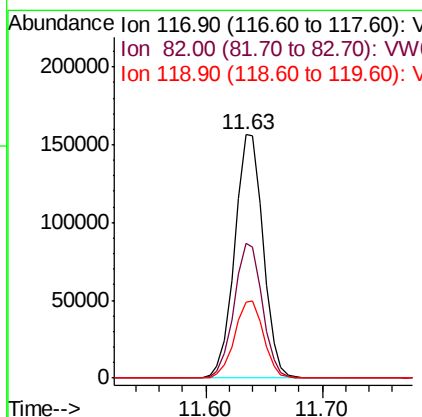
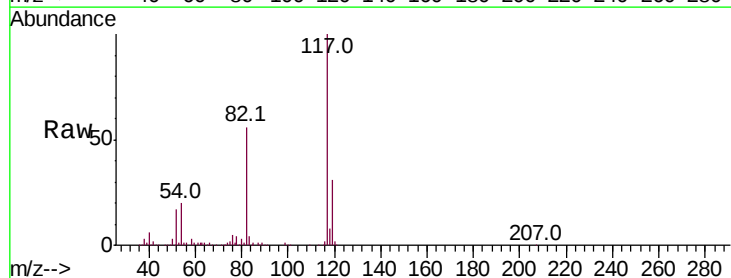
Instrument :
MSVOA_W
ClientSampleId :

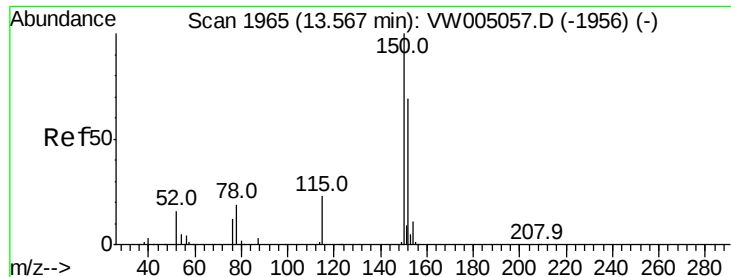
Tot Ion: 95 Resp: 65668
Ion Ratio Lower Upper
95 100
174 85.1 0.0 173.4
176 80.9 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW005119.D
Acq: 05 Sep 2018 09:48

Tgt Ion: 117 Resp: 267403
Ion Ratio Lower Upper
117 100
82 55.6 40.9 61.3
119 31.4 24.9 37.3



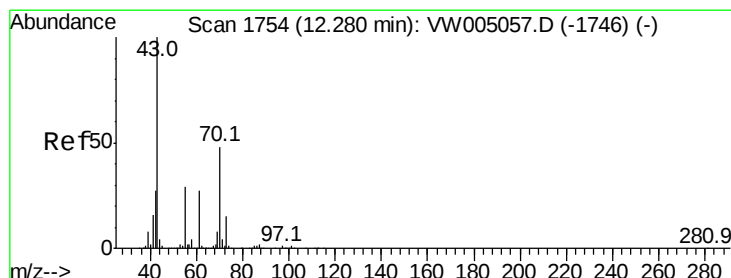
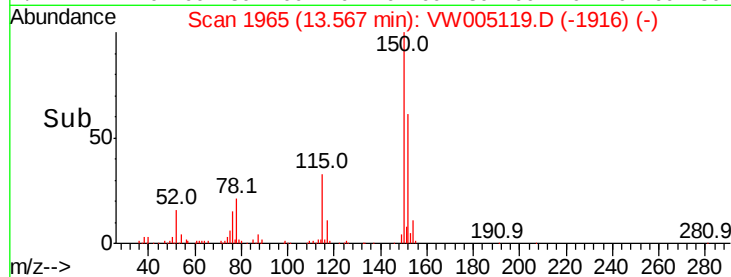
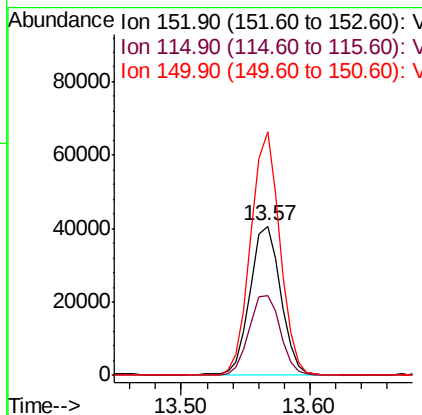
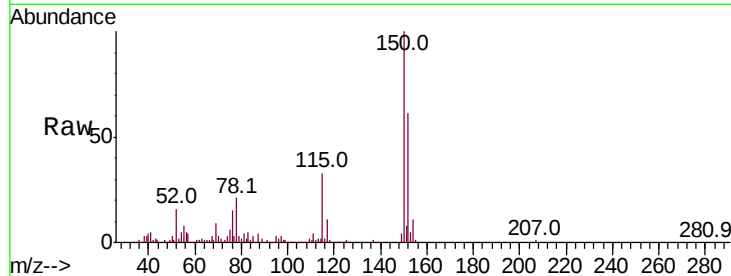


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW005119.D
Acq: 05 Sep 2018 09:48

Instrument :
MSVOA_W
ClientSampleId :

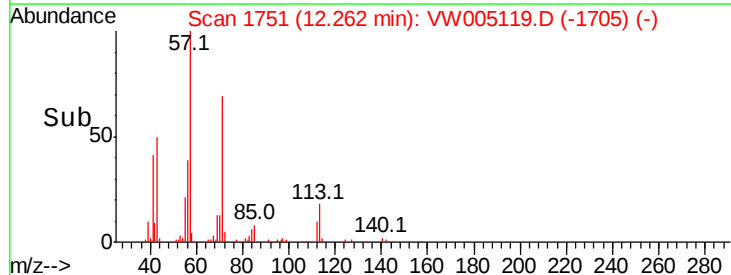
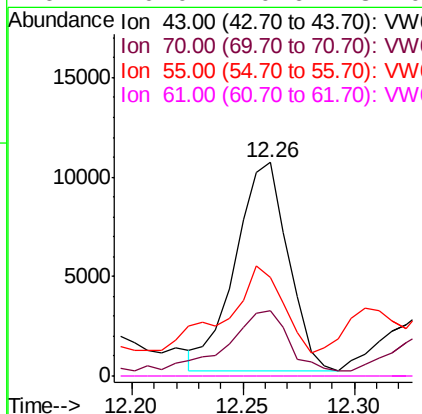
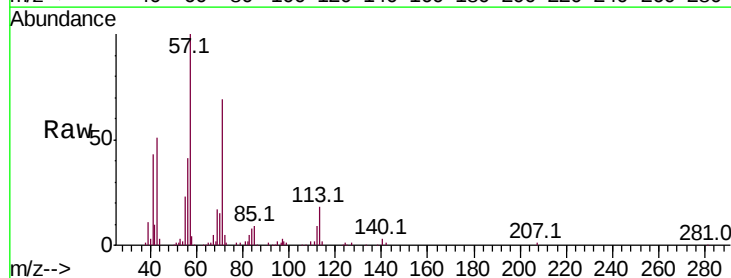
Tot Ion:152 Resp: 66512
Ion Ratio Lower Upper
152 100
115 55.6 27.8 83.4
150 155.8 0.0 351.4

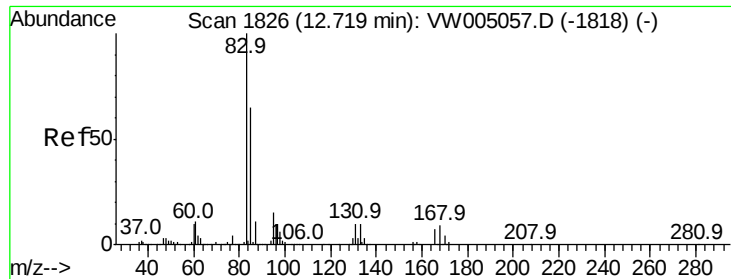


#74

N-ethyl acetate
Concen: 21.319 ug/l
RT: 12.26 min Scan# 1751
Delta R.T. -0.02 min
Lab File: VW005119.D
Acq: 05 Sep 2018 09:48

Tgt Ion: 43 Resp: 17216
Ion Ratio Lower Upper
43 100
70 32.9 38.2 57.4#
55 45.9 23.2 34.8#
61 0.0 20.6 31.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 2.265 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.09 min

Lab File: VW005119.D

Acq: 05 Sep 2018 09:48

Instrument :

MSVOA_W

ClientSampleId :

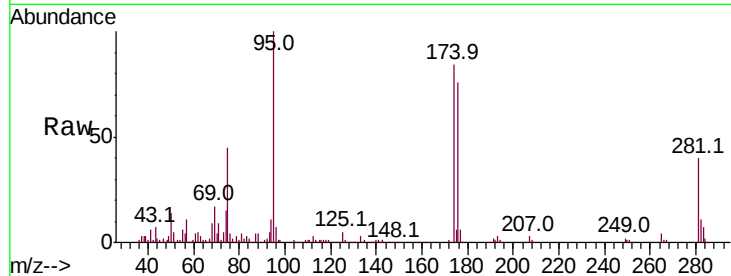
Tot Ion: 83 Resp: 1617

Ion Ratio Lower Upper

83 100

131 9.2 5.5 16.4

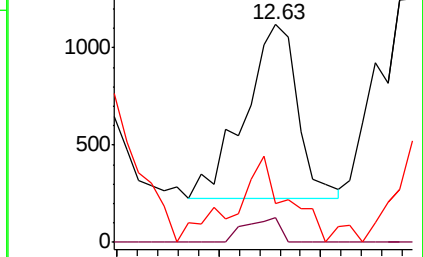
85 50.8 32.5 97.4



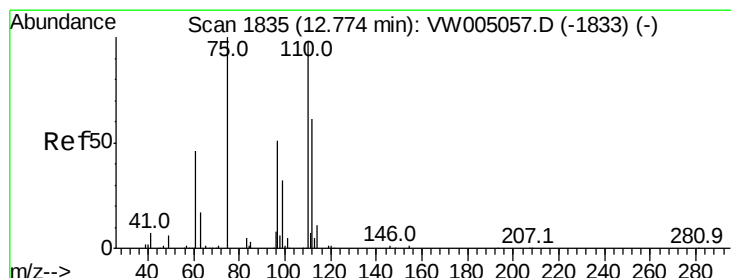
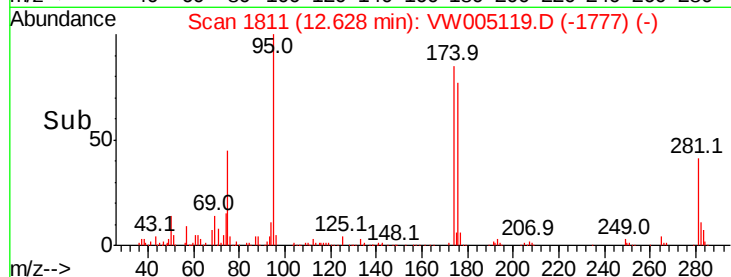
Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



Time--> 12.55 12.60 12.65



#76

1,2,3-Trichloropropane

Concen: 60.342 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW005119.D

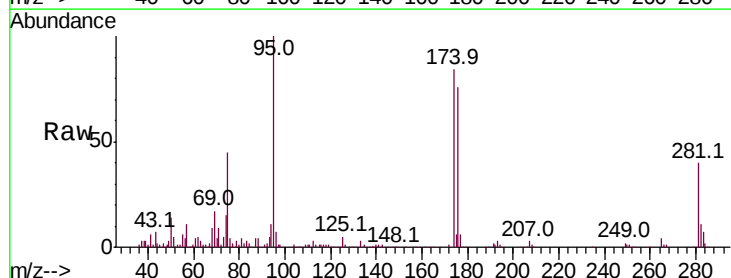
Acq: 05 Sep 2018 09:48

Tgt Ion: 75 Resp: 30126

Ion Ratio Lower Upper

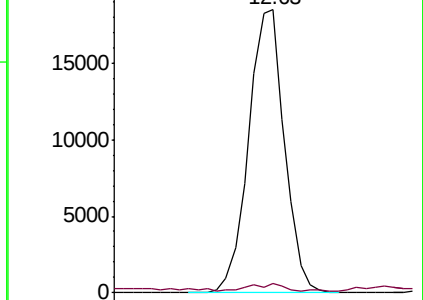
75 100

77 2.4 0.0 0.0#

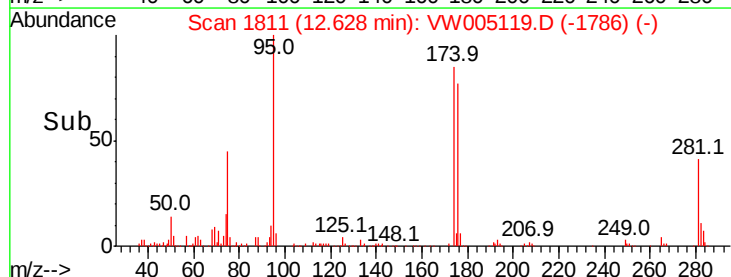


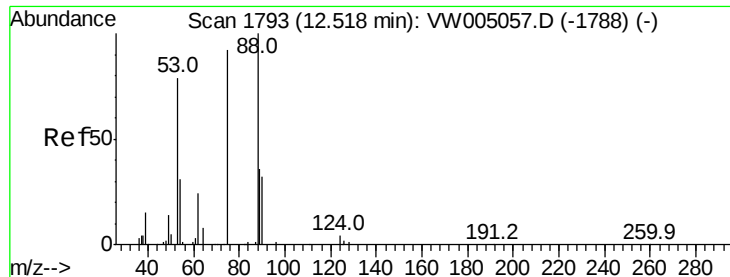
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



Time--> 12.55 12.60 12.65 12.70





#81

trans-1,4-Dichloro-2-butene

Concen: 145.237 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW005119.D

Acq: 05 Sep 2018 09:48

Instrument :

MSVOA_W

ClientSampleId :

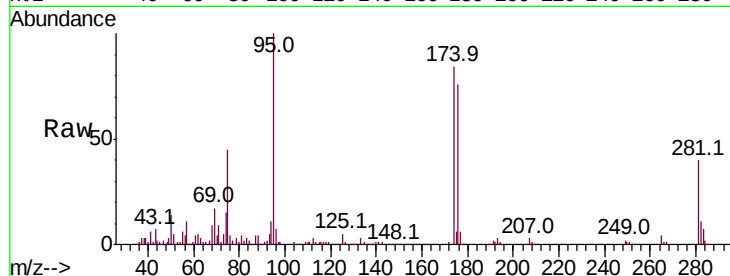
Tot Ion: 75 Resp: 30126

Ion Ratio Lower Upper

75 100

53 2.3 69.8 104.8#

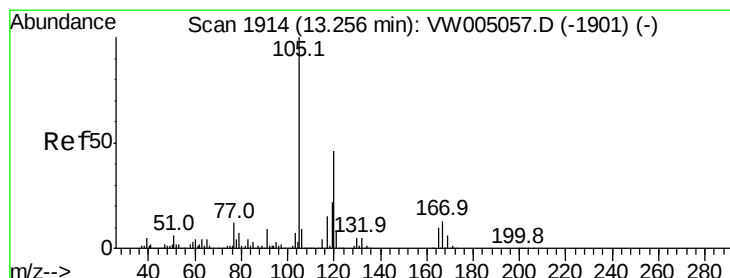
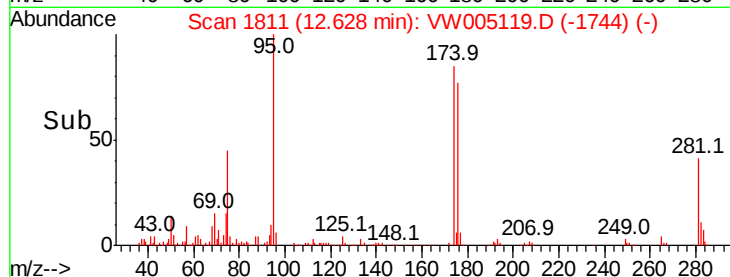
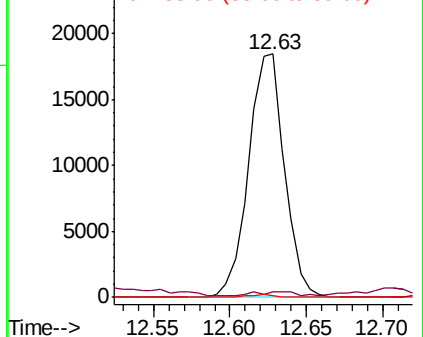
89 0.9 36.0 54.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.839 ug/l

RT: 13.26 min Scan# 1914

Delta R.T. 0.00 min

Lab File: VW005119.D

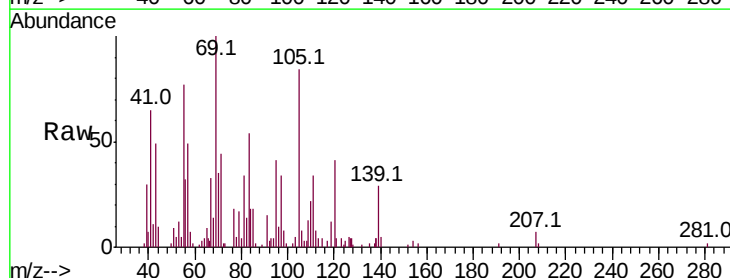
Acq: 05 Sep 2018 09:48

Tgt Ion: 105 Resp: 7596

Ion Ratio Lower Upper

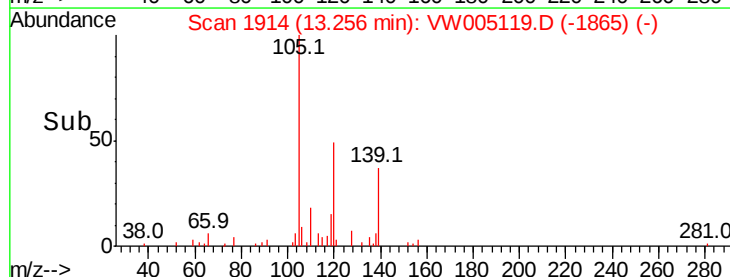
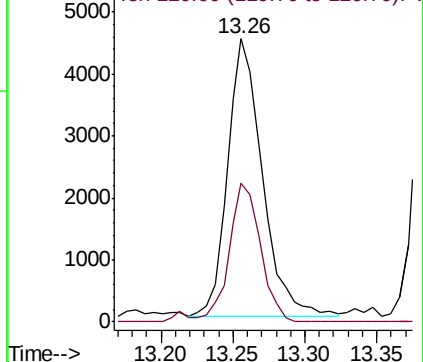
105 100

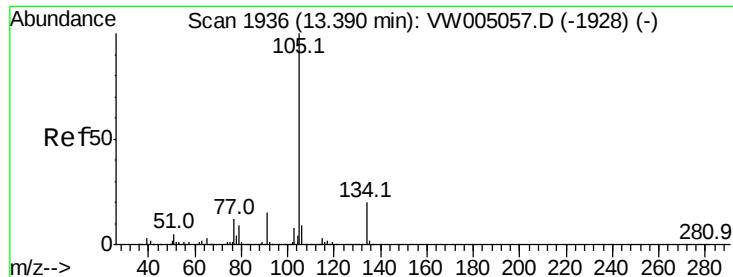
120 45.0 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

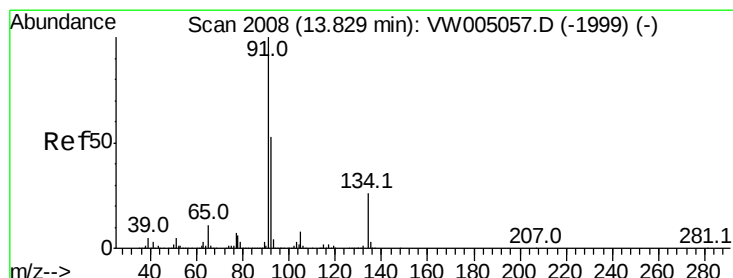
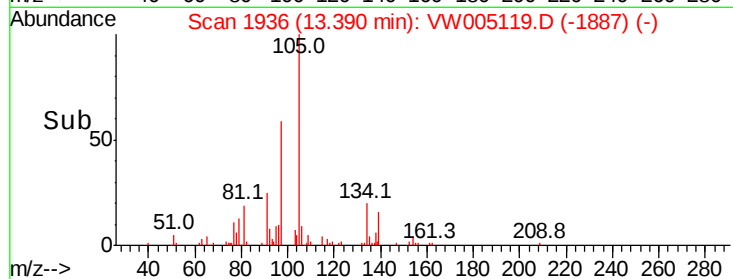
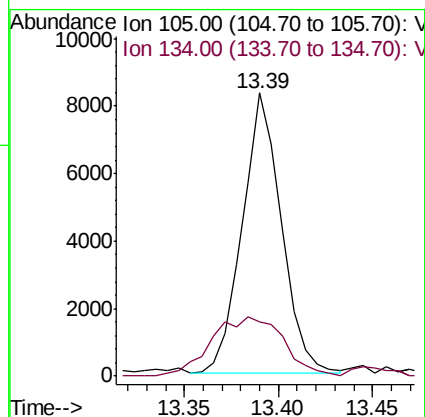
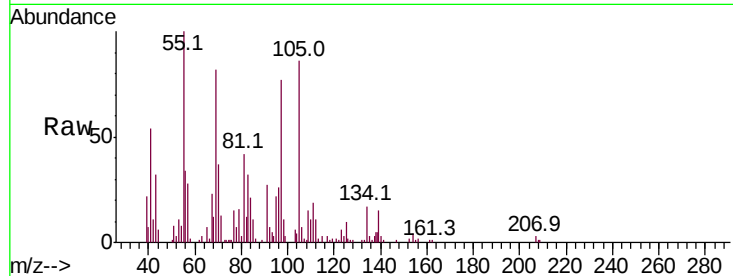




#85
 sec-Butylbenzene
 Concen: 2.402 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW005119.D
 Acq: 05 Sep 2018 09:48

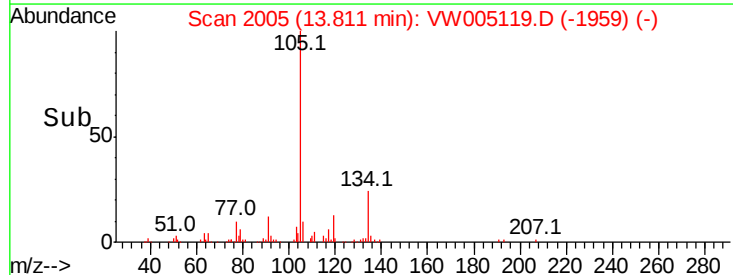
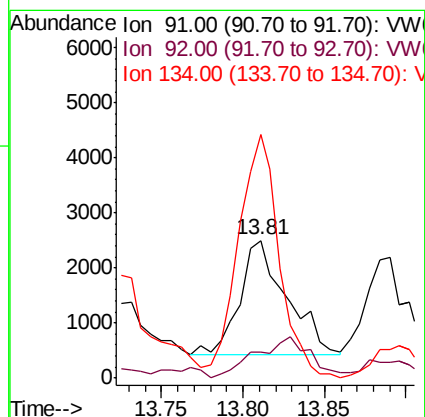
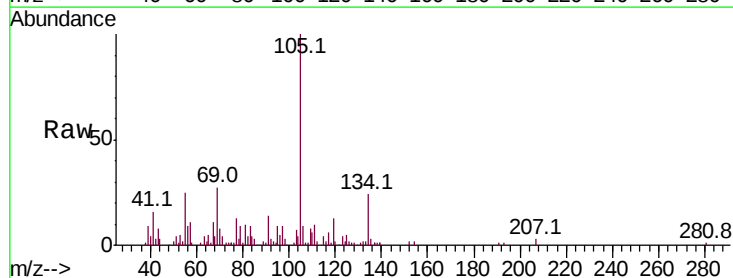
Instrument :
 MSVOA_W
 ClientSampleId :

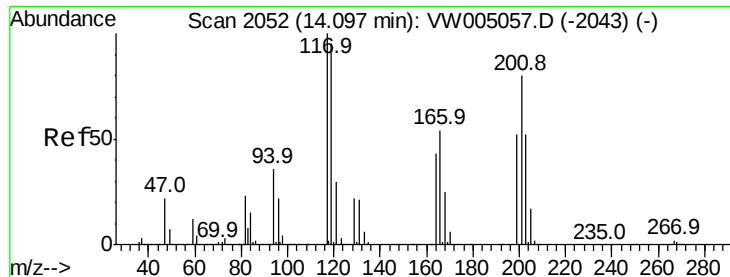
Tot Ion: 105 Resp: 11955
 Ion Ratio Lower Upper
 105 100
 134 38.8 10.1 30.3#



#89
 n-Butylbenzene
 Concen: 1.030 ug/l
 RT: 13.81 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: VW005119.D
 Acq: 05 Sep 2018 09:48

Tgt Ion: 91 Resp: 4206
 Ion Ratio Lower Upper
 91 100
 92 40.9 26.5 79.5
 134 183.8 13.5 40.4#





#90

Hexachloroethane

Concen: 3.331 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW005119.D

Acq: 05 Sep 2018 09:48

Instrument :

MSVOA_W

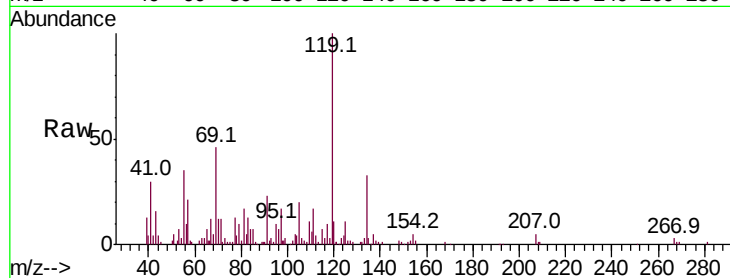
ClientSampleId :

Tot Ion:117 Resp: 2438

Ion Ratio Lower Upper

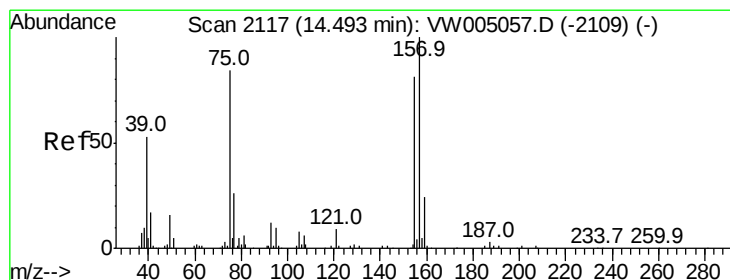
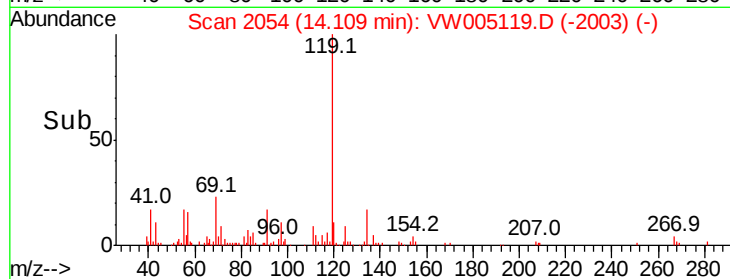
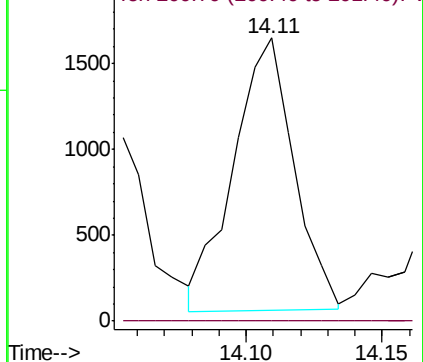
117 100

201 0.0 44.6 133.8#



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: 2.429 ug/l

RT: 14.51 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VW005119.D

Acq: 05 Sep 2018 09:48

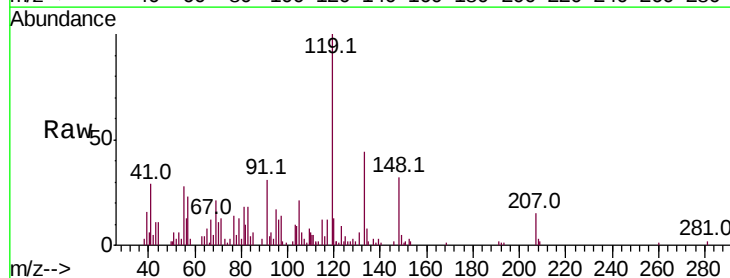
Tgt Ion: 75 Resp: 271

Ion Ratio Lower Upper

75 100

155 0.0 46.0 137.8#

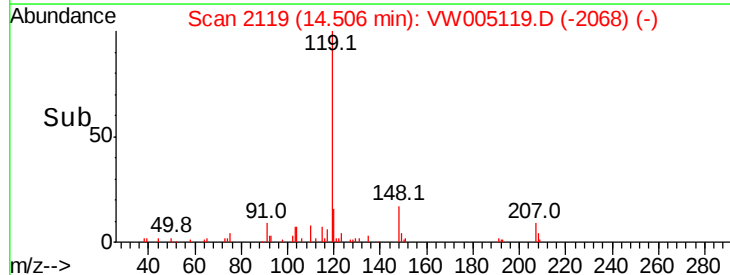
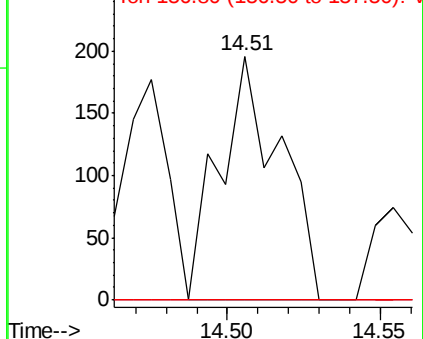
157 0.0 58.6 175.7#

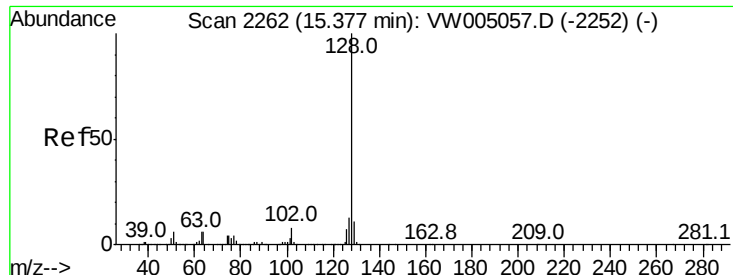


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 4.343 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW005119.D

Acq: 05 Sep 2018 09:48

Instrument :

MSVOA_W

ClientSampleId :

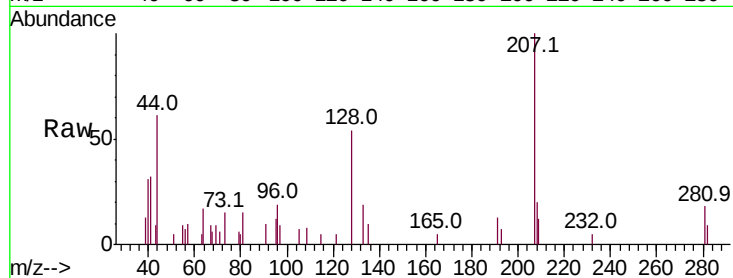
Tot Ion:128 Resp: 947

Ion Ratio Lower Upper

128 100

127 4.4 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

