

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
 Data File : VW005298.D
 Acq On : 12 Sep 2018 02:57
 Operator : SY/AP
 Sample : J4777-01
 Misc : 5.96G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-05-090718-A

Quant Time: Sep 12 06:46:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	410286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	686151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	518033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	183536	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	192081	62.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.54%	
35) Dibromofluoromethane	7.89	113	166834	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
50) Toluene-d8	10.33	98	530216	29.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.38%	
62) 4-Bromofluorobenzene	12.63	95	160972	24.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.46%	

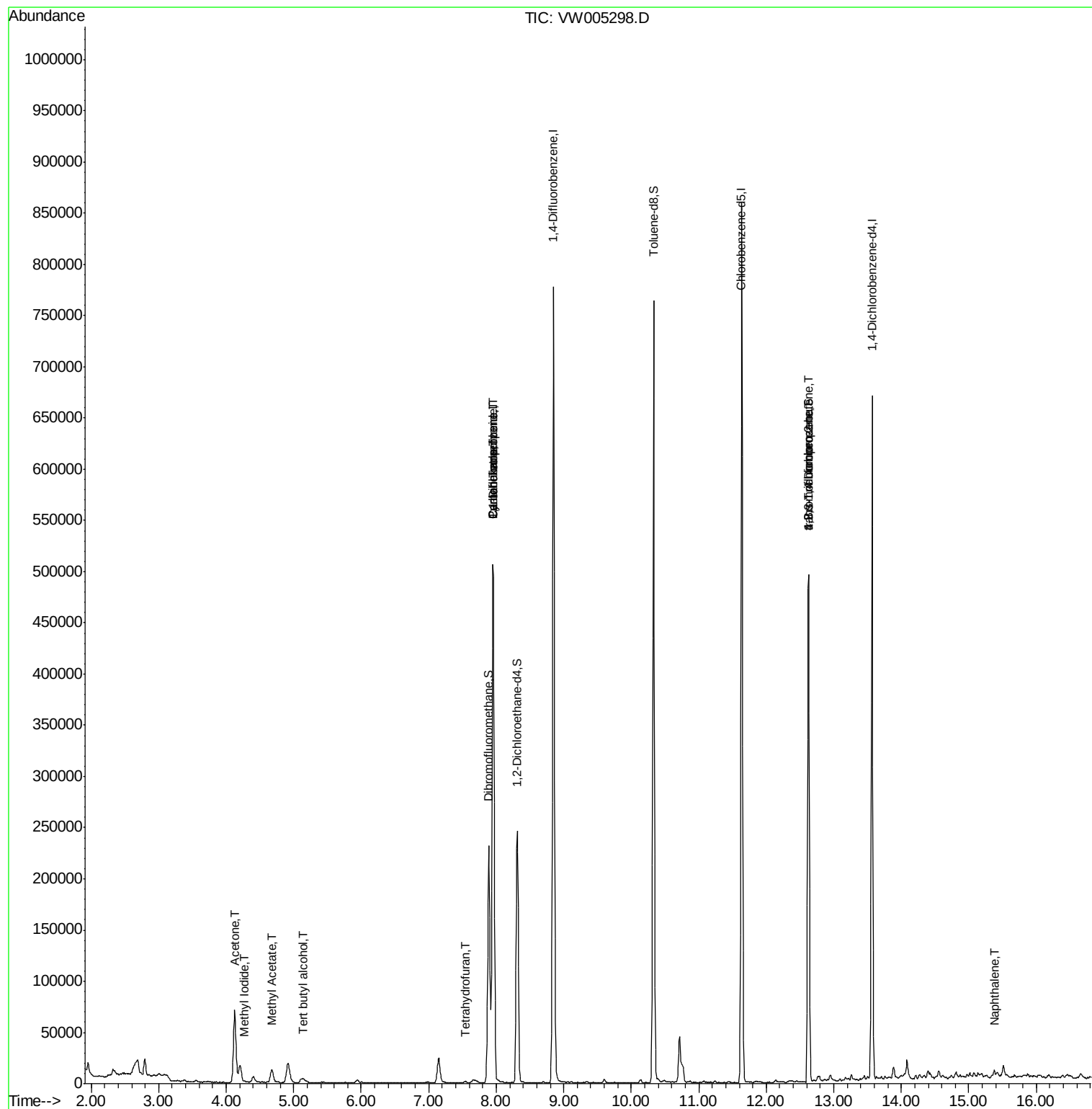
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.74	94	1527	Below Cal		86
10) Methyl Iodide	4.28	142	1252	3.594	ug/l #	87
11) Tert butyl alcohol	5.13	59	3779	15.058	ug/l #	73
16) Acetone	4.13	43	120108	211.452	ug/l	94
18) Methyl Acetate	4.67	43	24809	14.631	ug/l	95
29) Tetrahydrofuran	7.54	42	904	1.497	ug/l #	86
31) Cyclohexane	7.95	56	6972	1.065	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	27847	4.430	ug/l #	48
38) Carbon Tetrachloride	7.95	117	35579	6.042	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	74632	52.868	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74632	123.987	ug/l #	16
95) Naphthalene	15.38	128	7199	1.113	ug/l	98

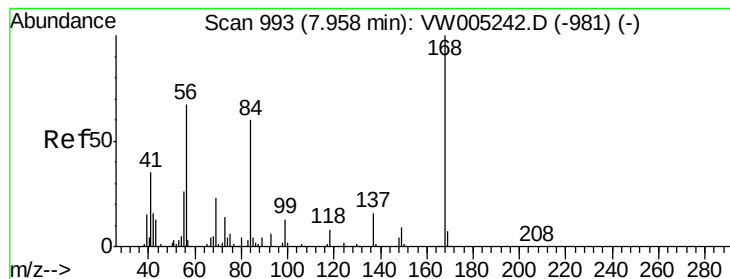
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005298.D

Acq: 12 Sep 2018 02:57

Instrument :

MSVOA_W

ClientSampleId :

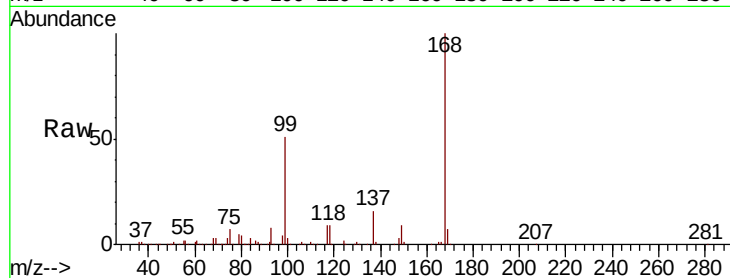
PL-05-090718-A

Tgt Ion: 168 Resp: 410286

Ion Ratio Lower Upper

168 100

99 51.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

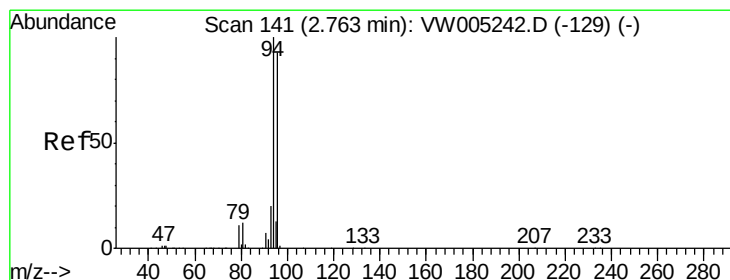
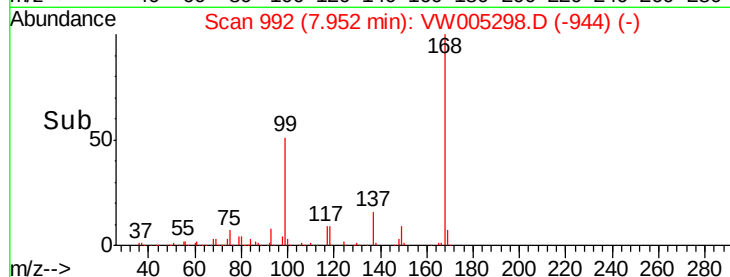
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.74 min Scan# 137

Delta R.T. -0.02 min

Lab File: VW005298.D

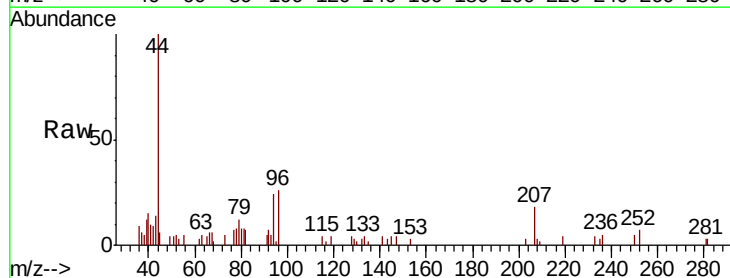
Acq: 12 Sep 2018 02:57

Tgt Ion: 94 Resp: 1527

Ion Ratio Lower Upper

94 100

96 79.0 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.74

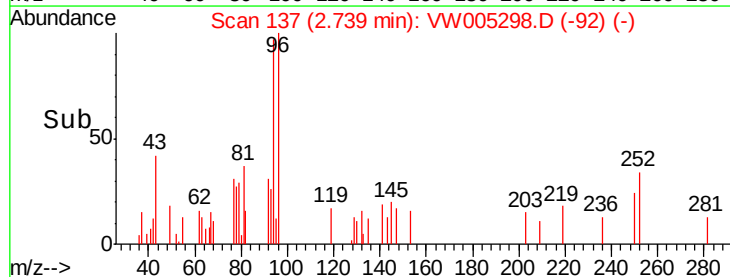
600

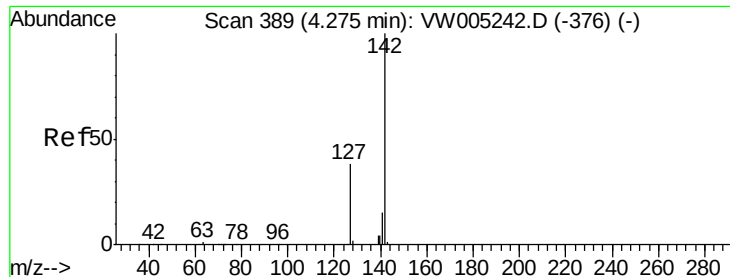
400

200

0

Time-->

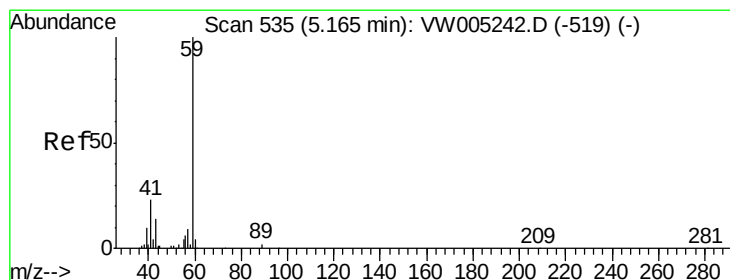
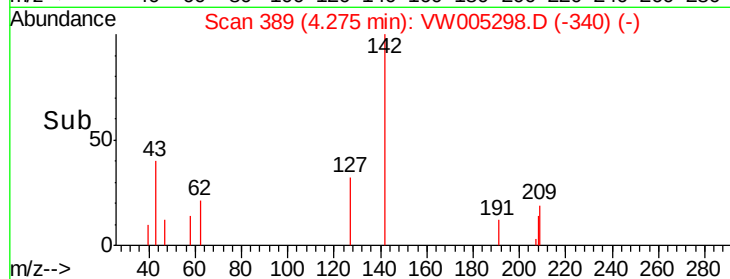
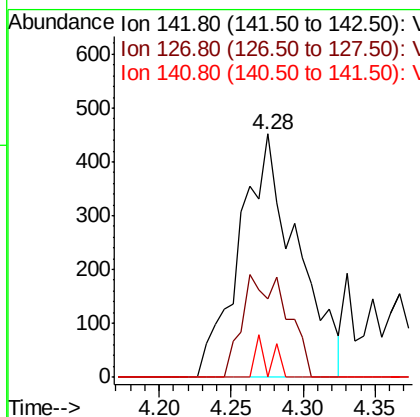
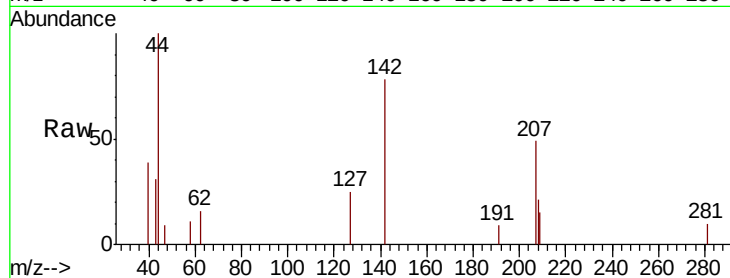




#10
Methyl Iodide
Concen: 3.594 ug/l
RT: 4.28 min Scan# 389
Delta R.T. 0.00 min
Lab File: VW005298.D
Acq: 12 Sep 2018 02:57

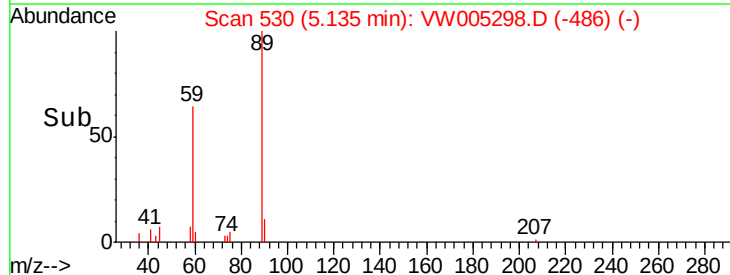
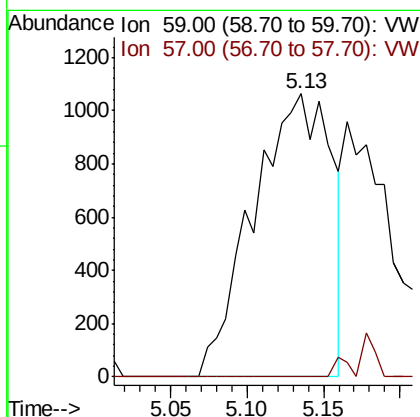
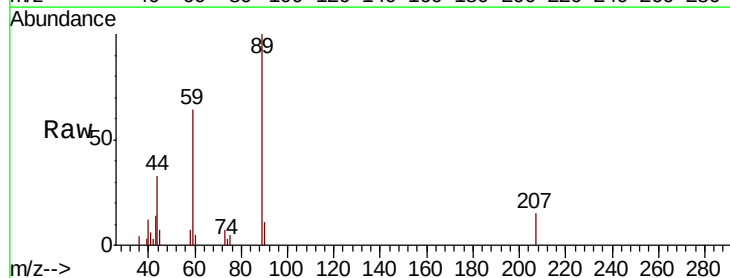
Instrument :
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ClientSampleId :
PL-05-090718-A

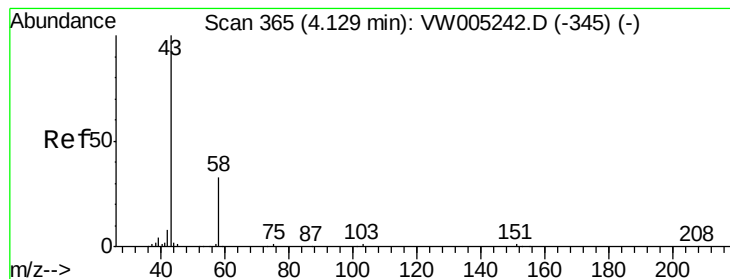
Tgt Ion:142 Resp: 1252
Ion Ratio Lower Upper
142 100
127 32.7 30.3 45.5
141 4.1 11.4 17.0#



#11
Tert butyl alcohol
Concen: 15.058 ug/l
RT: 5.13 min Scan# 530
Delta R.T. -0.03 min
Lab File: VW005298.D
Acq: 12 Sep 2018 02:57

Tgt Ion: 59 Resp: 3779
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 211.452 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW005298.D

Acq: 12 Sep 2018 02:57

Instrument :

MSVOA_W

ClientSampleId :

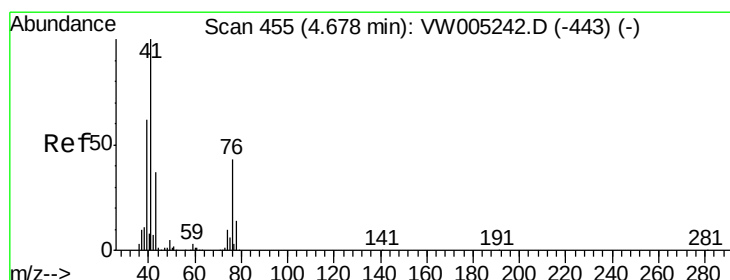
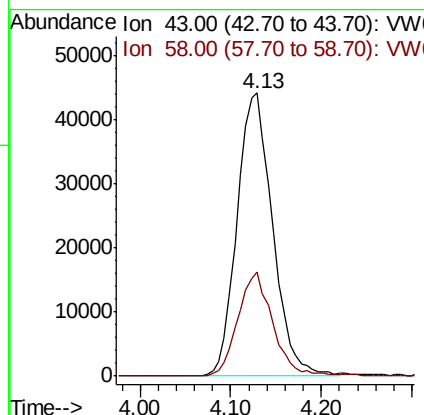
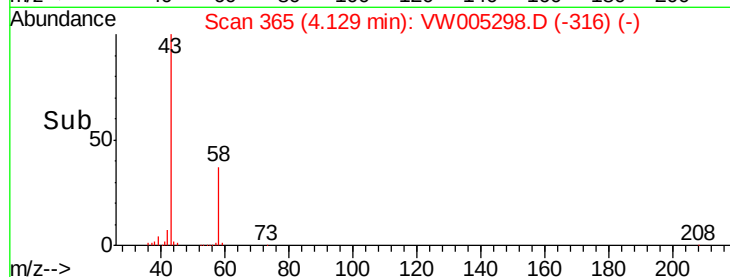
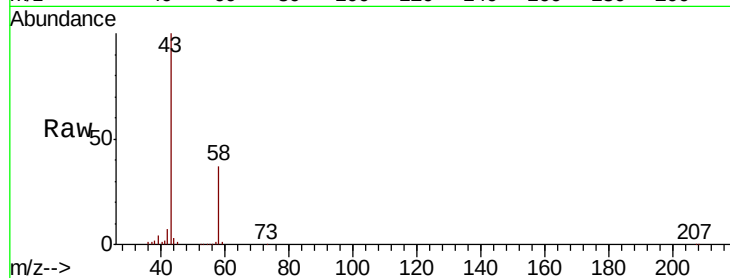
PL-05-090718-A

Tgt Ion: 43 Resp: 120108

Ion Ratio Lower Upper

43 100

58 36.7 26.7 40.1



#18

Methyl Acetate

Concen: 14.631 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW005298.D

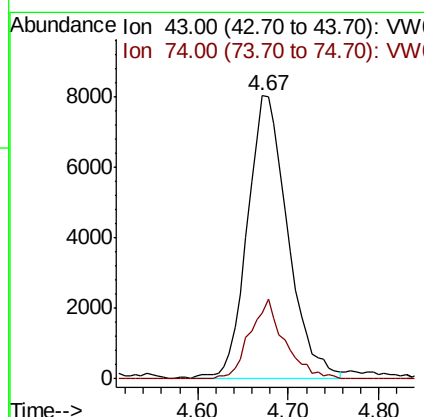
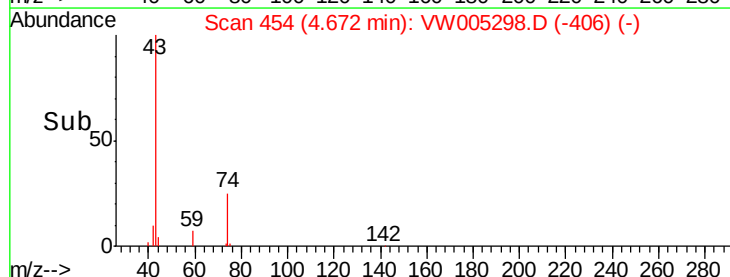
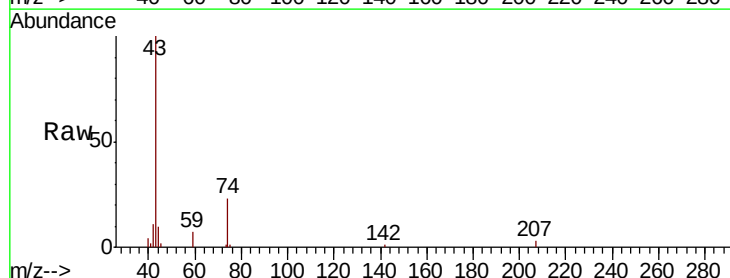
Acq: 12 Sep 2018 02:57

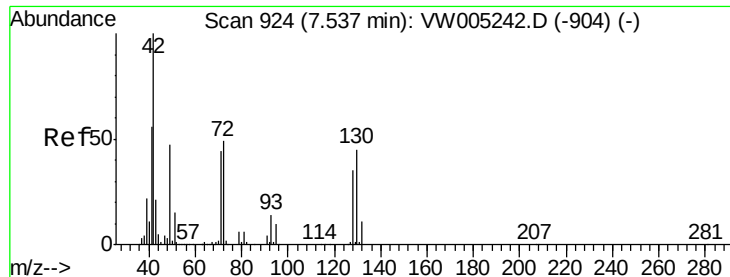
Tgt Ion: 43 Resp: 24809

Ion Ratio Lower Upper

43 100

74 24.2 21.4 32.2

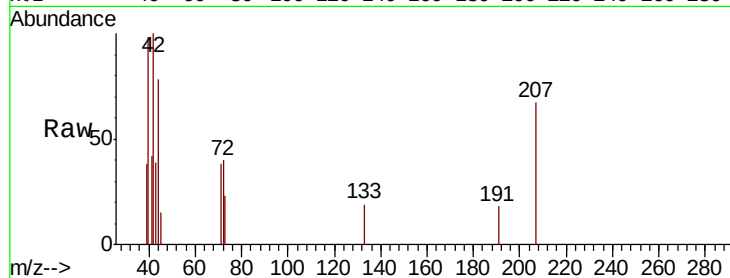




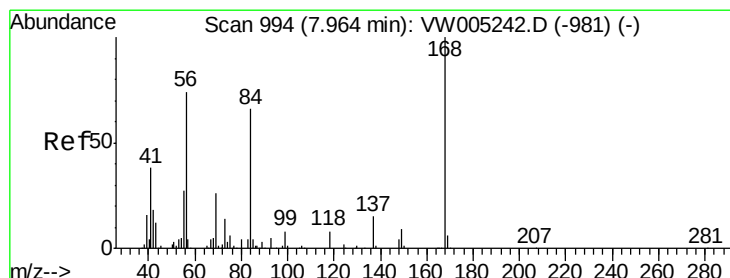
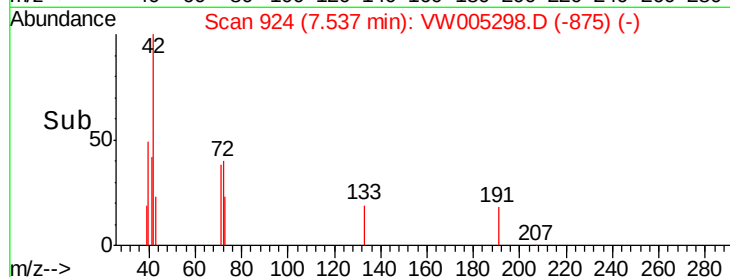
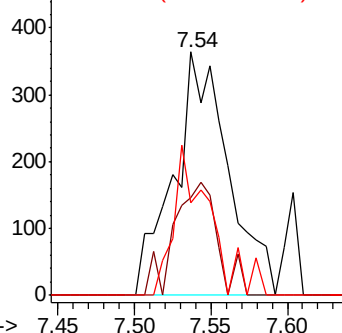
#29
Tetrahydrofuran
Concen: 1.497 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW005298.D
Acq: 12 Sep 2018 02:57

Instrument :
MSVOA_W
ClientSampleId :
PL-05-090718-A

Tgt Ion: 42 Resp: 904
Ion Ratio Lower Upper
42 100
72 36.5 37.5 56.3#
71 35.8 34.8 52.2

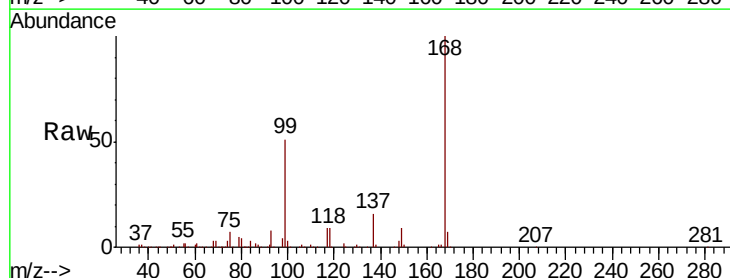


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

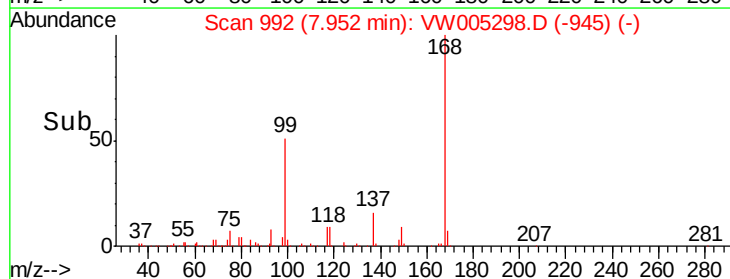
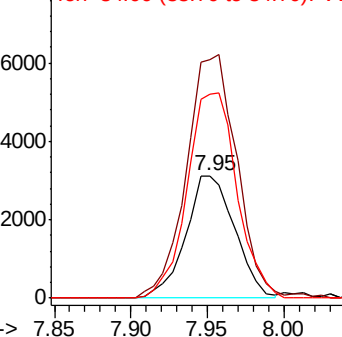


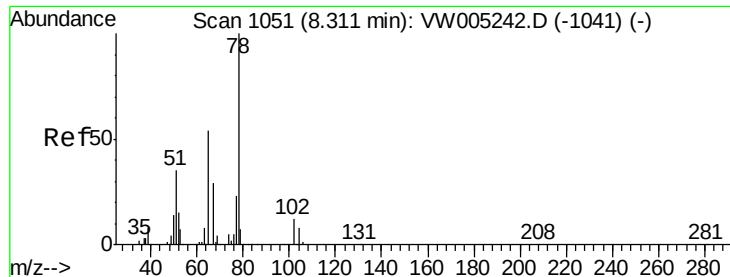
#31
Cyclohexane
Concen: 1.065 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005298.D
Acq: 12 Sep 2018 02:57

Tgt Ion: 56 Resp: 6972
Ion Ratio Lower Upper
56 100
69 194.6 27.8 41.8#
84 166.9 72.1 108.1#



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

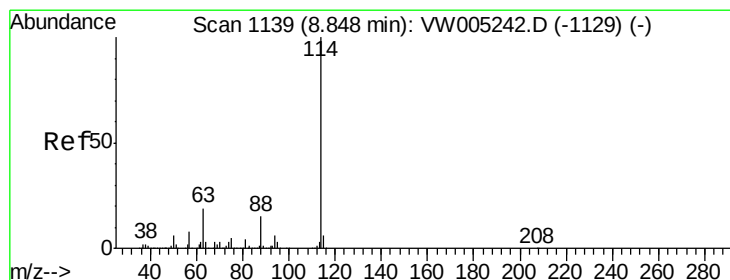
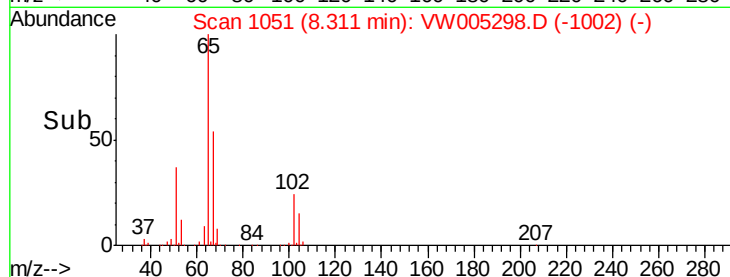
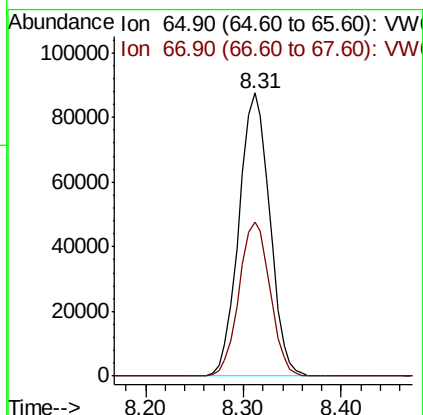
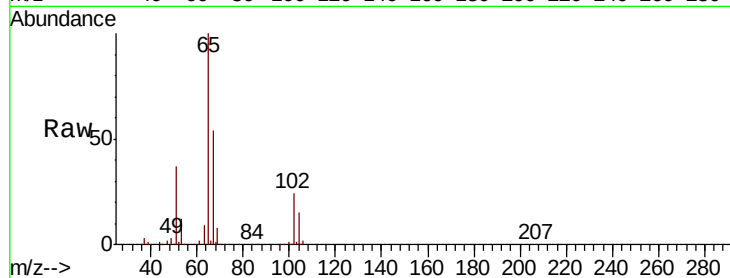




#33
 1,2-Dichloroethane-d4
 Concen: 62.768 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005298.D
 Acq: 12 Sep 2018 02:57

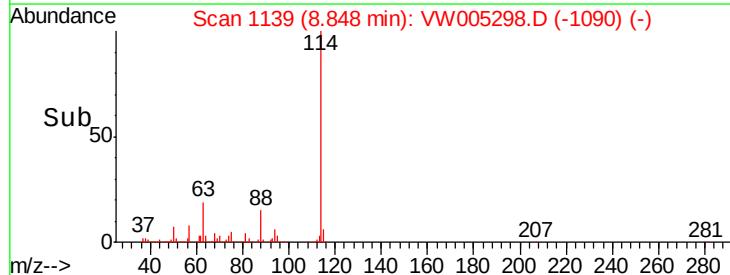
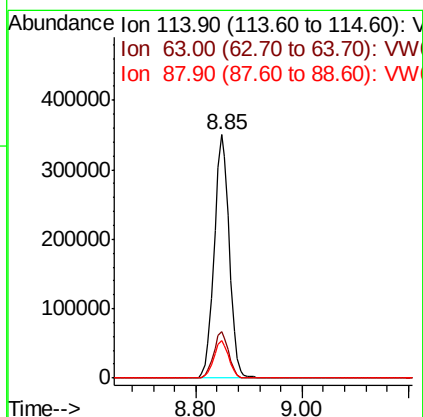
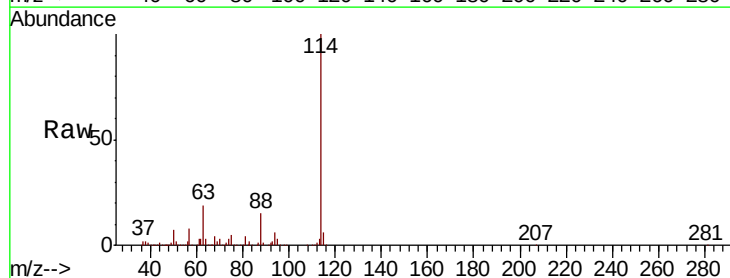
Instrument :
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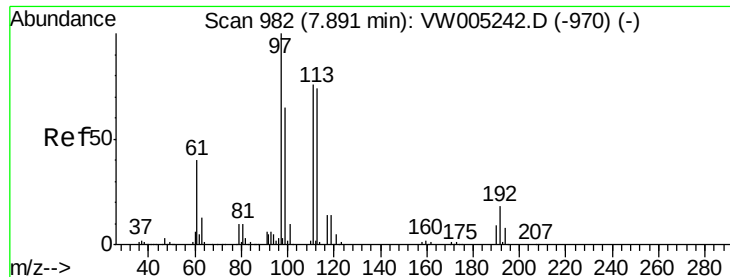
Tgt Ion: 65 Resp: 192081
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 112.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005298.D
 Acq: 12 Sep 2018 02:57

Tgt Ion: 114 Resp: 686151
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 37.0
 88 15.5 0.0 30.4

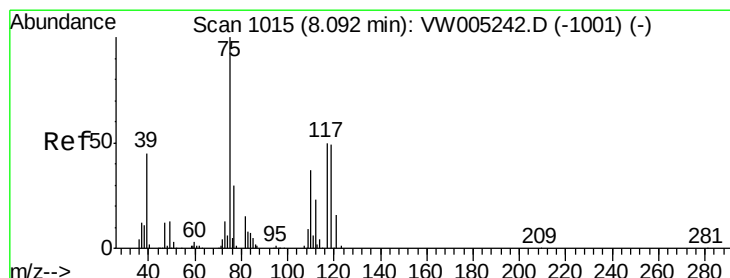
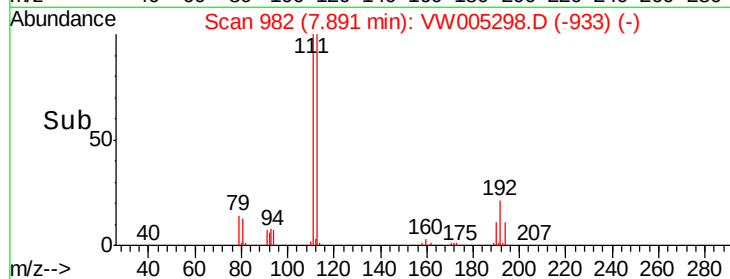
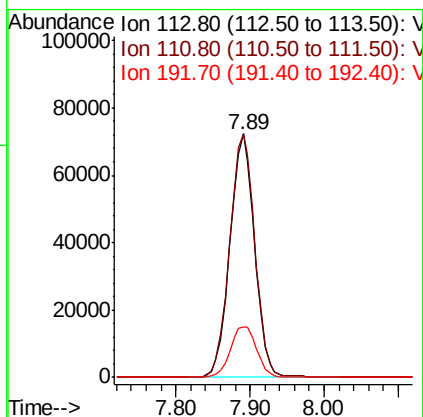
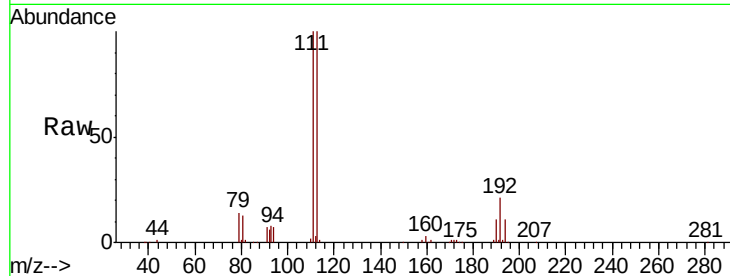




#35
 Dibromofluoromethane
 Concen: 46.416 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005298.D
 Acq: 12 Sep 2018 02:57

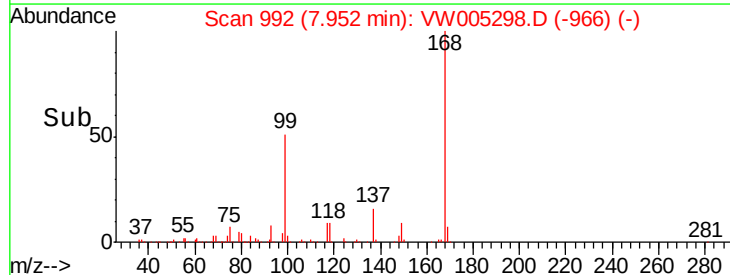
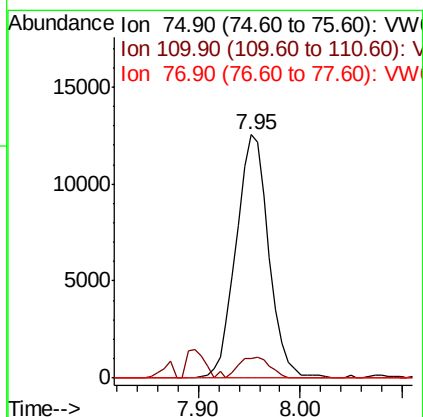
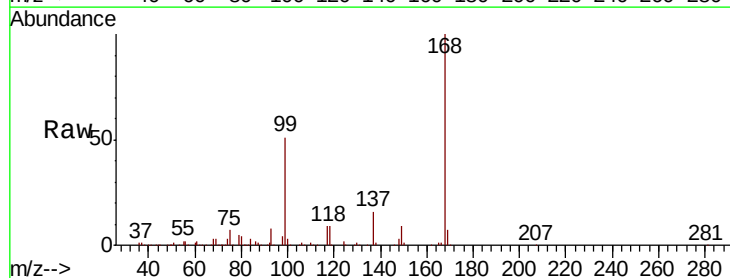
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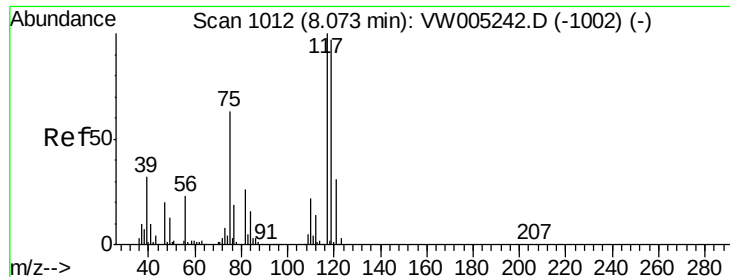
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.6	121.0
192	22.3	18.3	27.5



#36
 1,1-Dichloropropene
 Concen: 4.430 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.14 min
 Lab File: VW005298.D
 Acq: 12 Sep 2018 02:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.8	56.4#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.042 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005298.D

Acq: 12 Sep 2018 02:57

Instrument :

MSVOA_W

ClientSampleId :

PL-05-090718-A

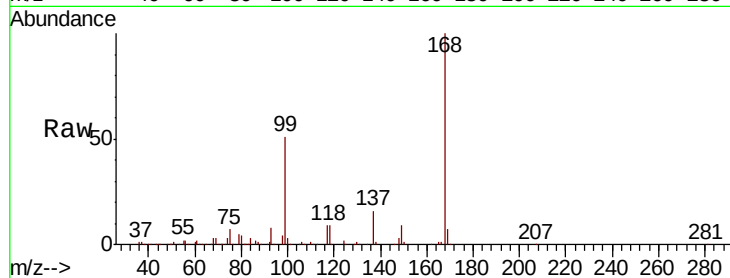
Tgt Ion:117 Resp: 35579

Ion Ratio Lower Upper

117 100

119 5.5 77.5 116.3#

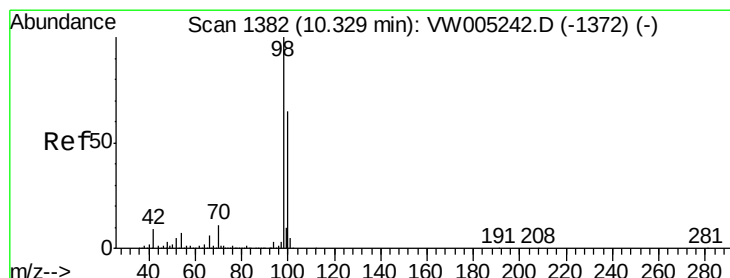
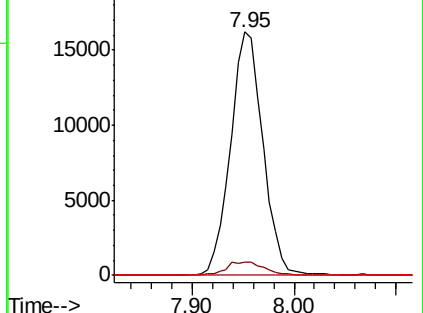
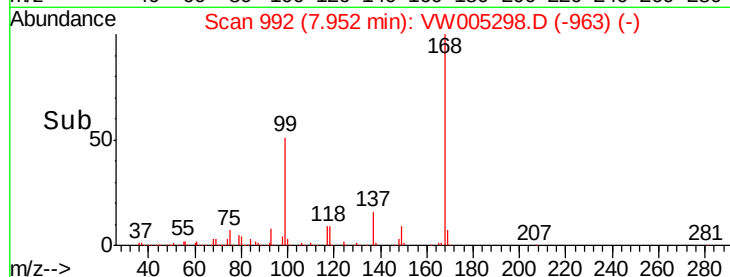
121 0.0 24.7 37.1#



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: 29.193 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005298.D

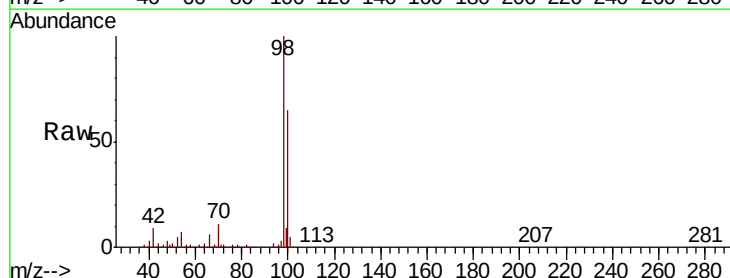
Acq: 12 Sep 2018 02:57

Tgt Ion: 98 Resp: 530216

Ion Ratio Lower Upper

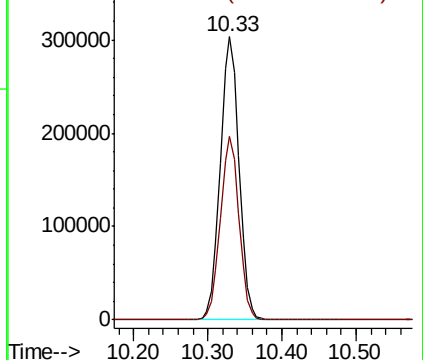
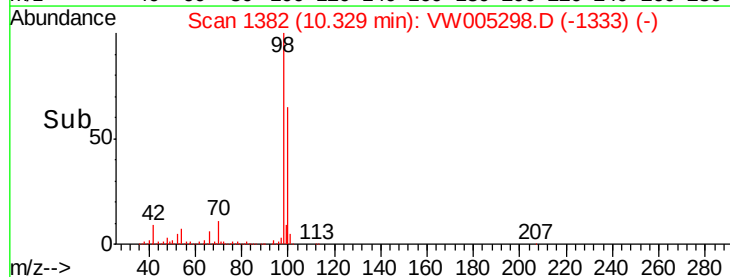
98 100

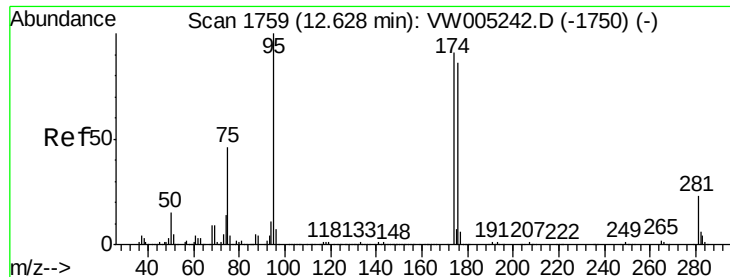
100 64.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

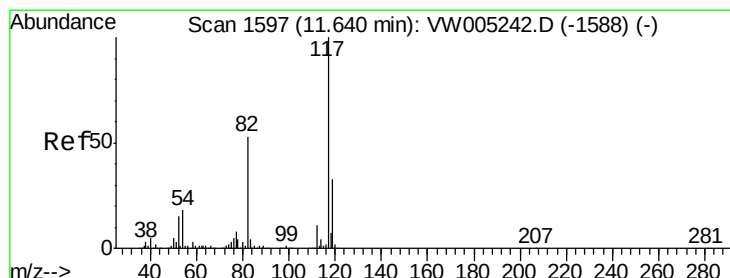
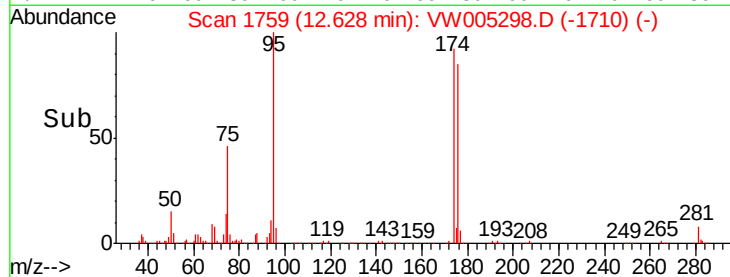
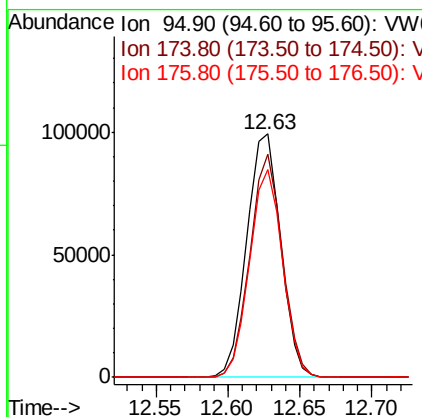
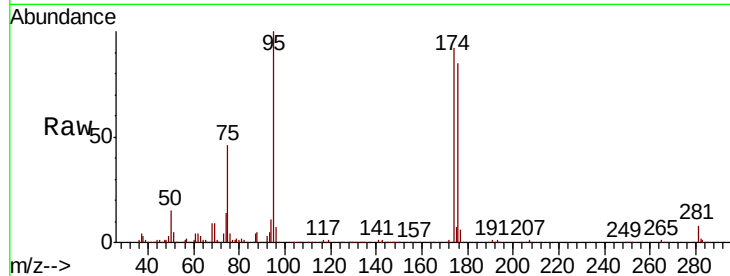




#62
4-Bromofluorobenzene
Concen: 24.230 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.00 min
Lab File: VW005298.D
Acq: 12 Sep 2018 02:57

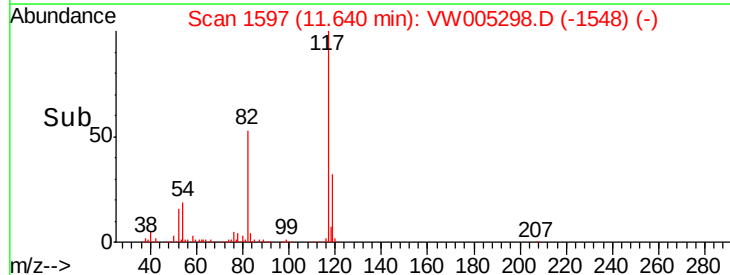
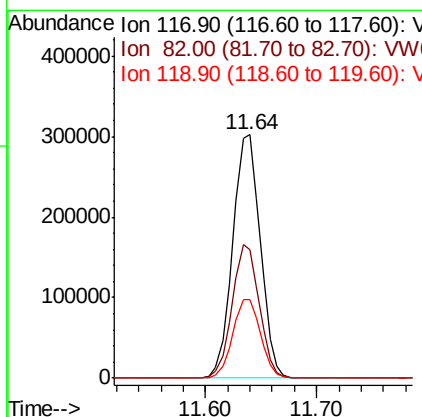
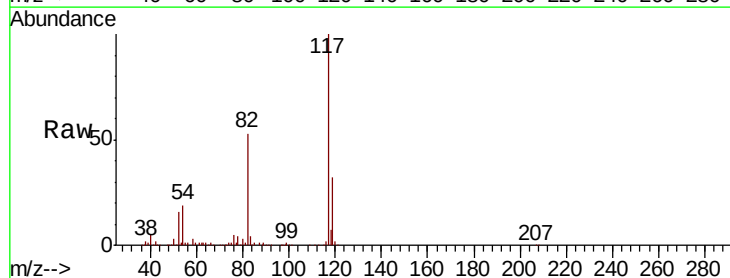
Instrument :
MSVOA_W
ClientSampled :
PL-05-090718-A

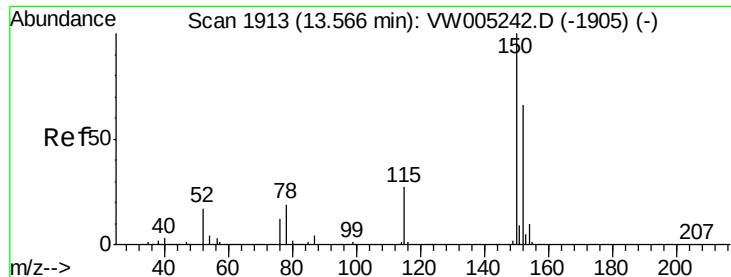
Tgt Ion: 95 Resp: 160972
Ion Ratio Lower Upper
95 100
174 88.4 0.0 174.6
176 83.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VW005298.D
Acq: 12 Sep 2018 02:57

Tgt Ion: 117 Resp: 518033
Ion Ratio Lower Upper
117 100
82 52.7 42.6 63.8
119 32.1 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005298.D

Acq: 12 Sep 2018 02:57

Instrument :

MSVOA_W

ClientSampleId :

PL-05-090718-A

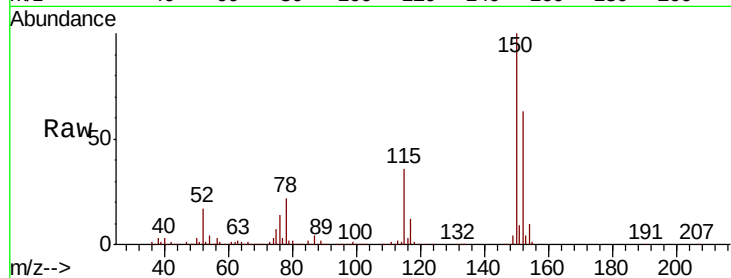
Tgt Ion:152 Resp: 183536

Ion Ratio Lower Upper

152 100

115 56.7 27.5 82.4

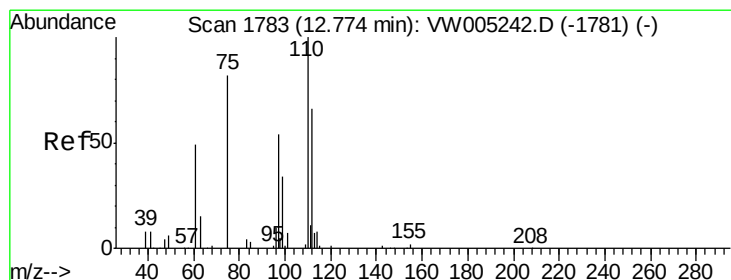
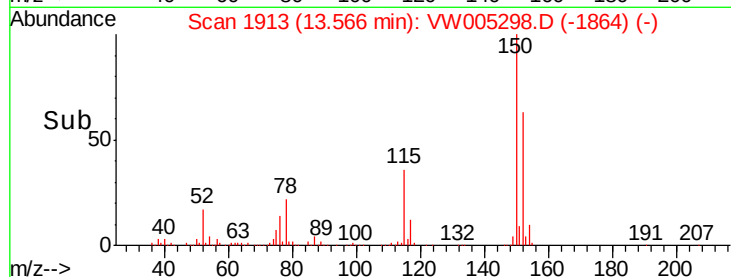
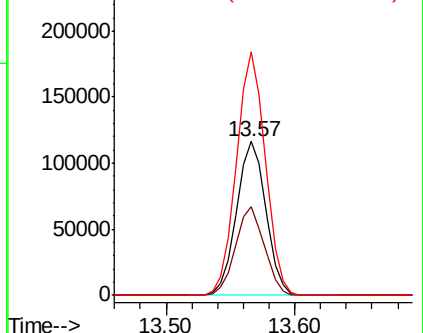
150 156.2 0.0 347.4



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: 52.868 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005298.D

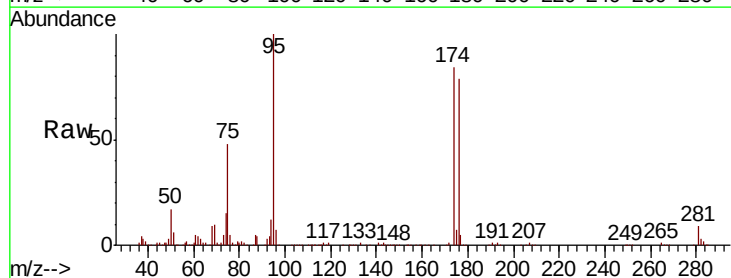
Acq: 12 Sep 2018 02:57

Tgt Ion: 75 Resp: 74632

Ion Ratio Lower Upper

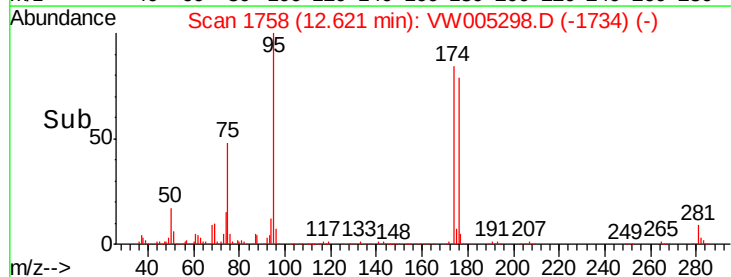
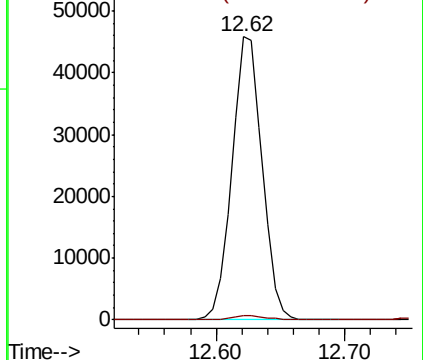
75 100

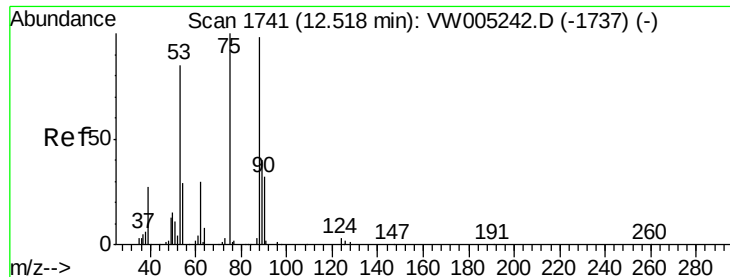
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 123.987 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005298.D

Acq: 12 Sep 2018 02:57

Instrument :

MSVOA_W

ClientSampleId :

PL-05-090718-A

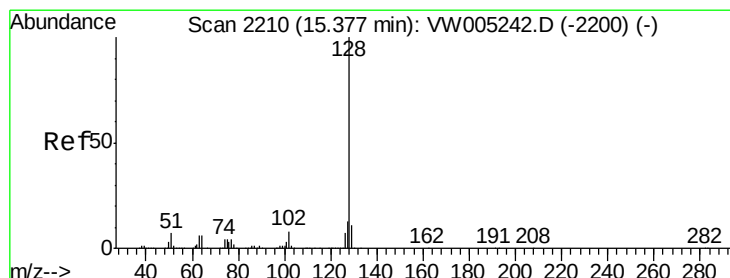
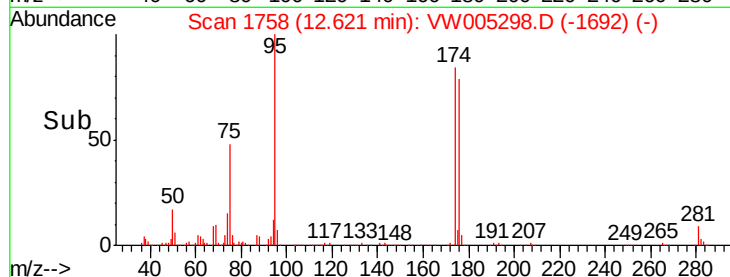
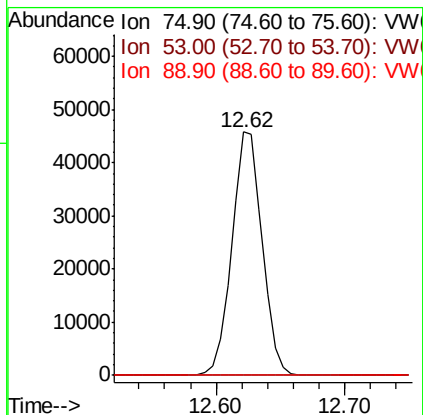
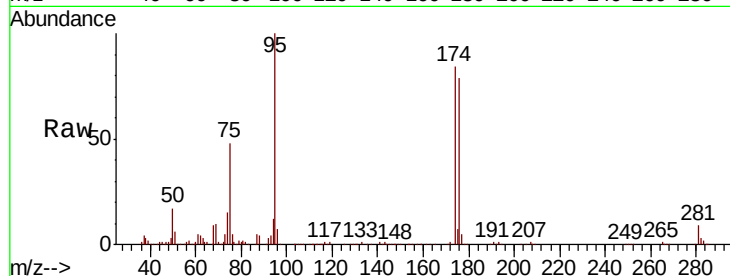
Tgt Ion: 75 Resp: 74632

Ion Ratio Lower Upper

75 100

53 0.2 67.0 100.6#

89 0.0 37.0 55.4#



#95

Naphthalene

Concen: 1.113 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005298.D

Acq: 12 Sep 2018 02:57

Tgt Ion: 128 Resp: 7199

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 12.0 8.8 13.2

