

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
 Data File : VW005302.D
 Acq On : 12 Sep 2018 04:39
 Operator : SY/AP
 Sample : J4777-09
 Misc : 5.65G/5ML/MSVOA_W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

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

Quant Time: Sep 12 06:47:15 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	7.96	168	339137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	579503	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	364620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	76969	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	170524	67.41	ug/l	0.00
Spiked Amount			Recovery	=	134.82%	
35) Dibromofluoromethane	7.89	113	66696	21.97	ug/l	0.00
Spiked Amount			Recovery	=	43.94%	
50) Toluene-d8	10.33	98	464103	30.26	ug/l	0.00
Spiked Amount			Recovery	=	60.52%	
62) 4-Bromofluorobenzene	12.62	95	91561	16.32	ug/l	0.00
Spiked Amount			Recovery	=	32.64%	

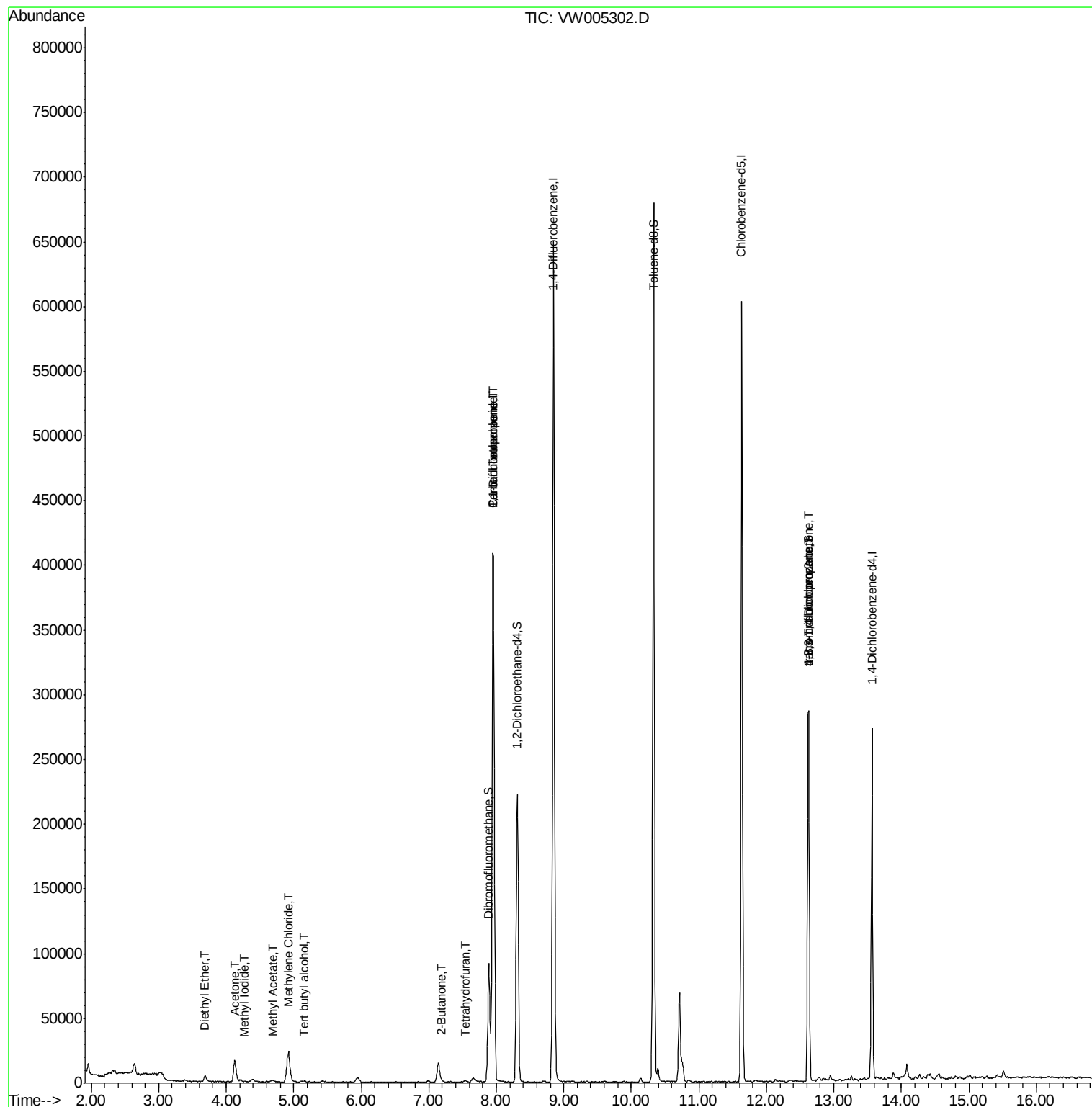
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.76	94	261	Below Cal	#	79
8) Diethyl Ether	3.68	74	2526	1.745	ug/l	84
10) Methyl Iodide	4.26	142	183	3.374	ug/l #	74
11) Tert butyl alcohol	5.16	59	606	2.921	ug/l #	73
16) Acetone	4.13	43	30373	64.690	ug/l	99
18) Methyl Acetate	4.69	43	2530	1.805	ug/l #	48
20) Methylene Chloride	4.92	84	19533	2.467	ug/l	98
25) 2-Butanone	7.20	43	1123	1.516	ug/l #	80
29) Tetrahydrofuran	7.54	42	970	1.944	ug/l	91
36) 1,1-Dichloropropene	7.95	75	22069	4.157	ug/l #	48
38) Carbon Tetrachloride	7.96	117	30174	6.067	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	41458	70.030	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	41458	164.235	ug/l #	16

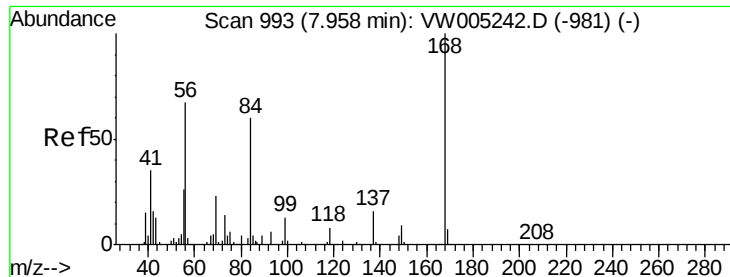
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005302.D

Acq: 12 Sep 2018 04:39

Instrument :

MSVOA_W

ClientSampleId :

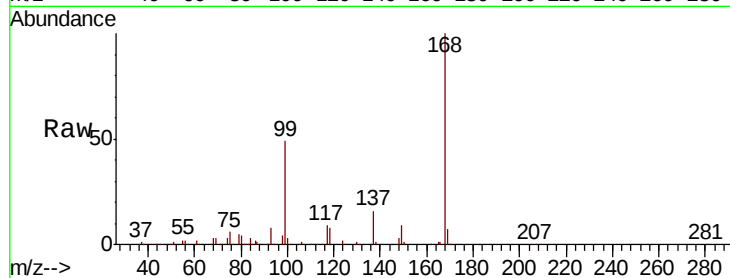
PL-05-090718-E

Tgt Ion:168 Resp: 339137

Ion Ratio Lower Upper

168 100

99 48.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

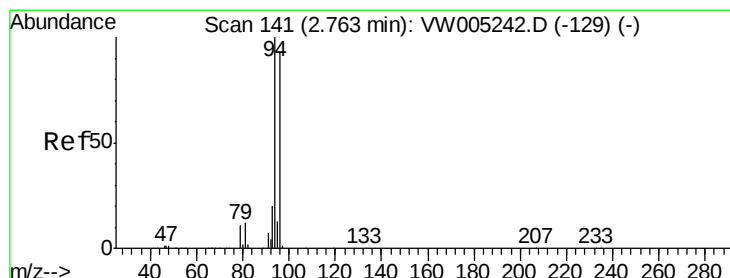
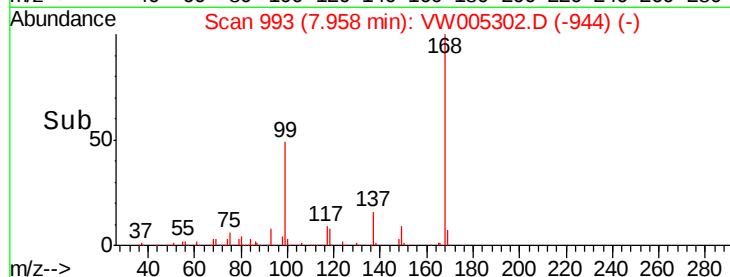
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW005302.D

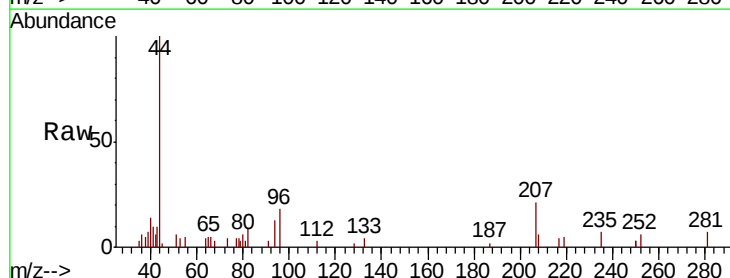
Acq: 12 Sep 2018 04:39

Tgt Ion: 94 Resp: 261

Ion Ratio Lower Upper

94 100

96 112.9 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

400

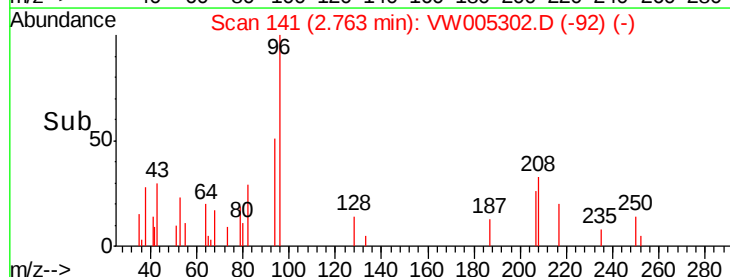
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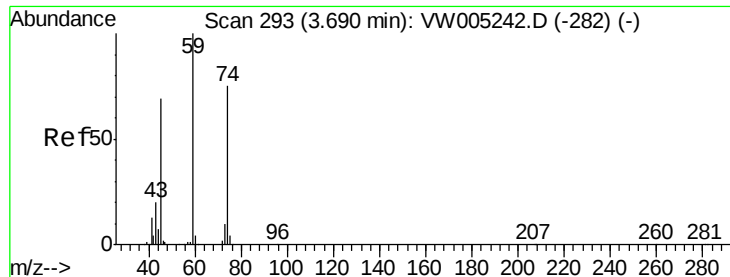
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.745 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.01 min

Lab File: VW005302.D

Acq: 12 Sep 2018 04:39

Instrument :

MSVOA_W

ClientSampleId :

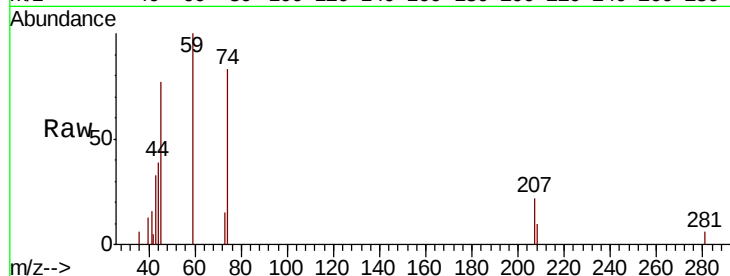
PL-05-090718-E

Tgt Ion: 74 Resp: 2526

Ion Ratio Lower Upper

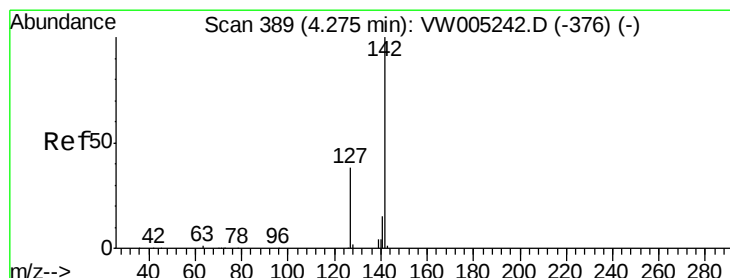
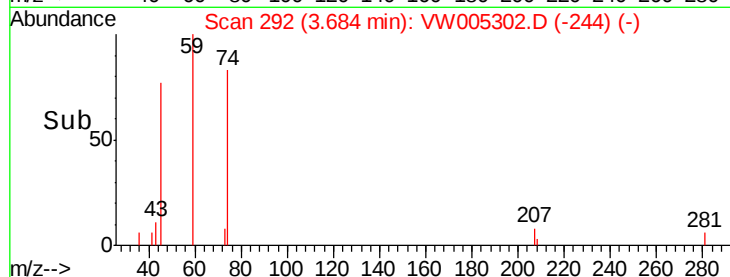
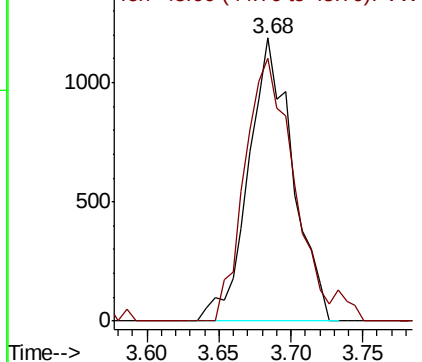
74 100

45 105.7 45.1 135.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#10

Methyl Iodide

Concen: 3.374 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW005302.D

Acq: 12 Sep 2018 04:39

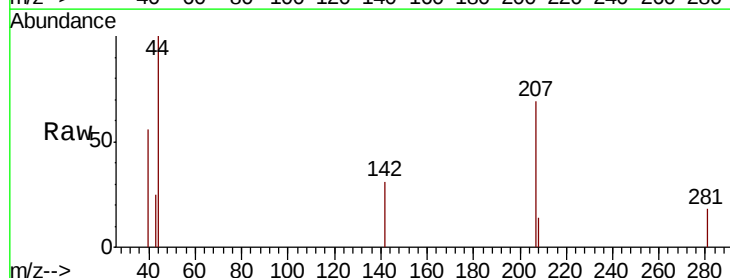
Tgt Ion: 142 Resp: 183

Ion Ratio Lower Upper

142 100

127 24.6 30.3 45.5#

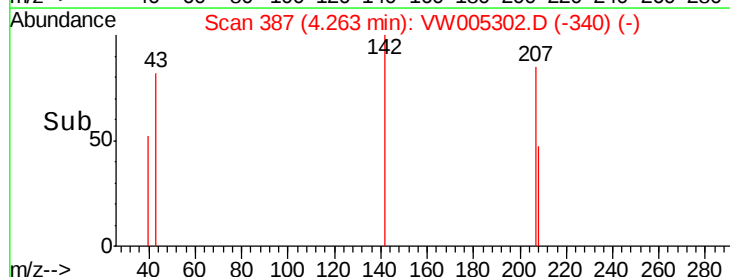
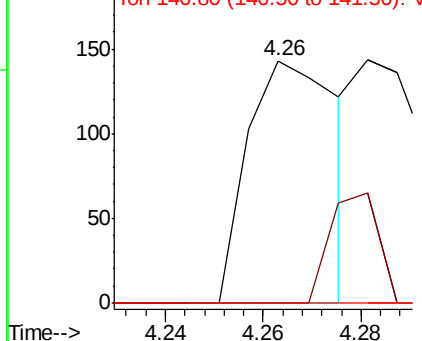
141 0.0 11.4 17.0#

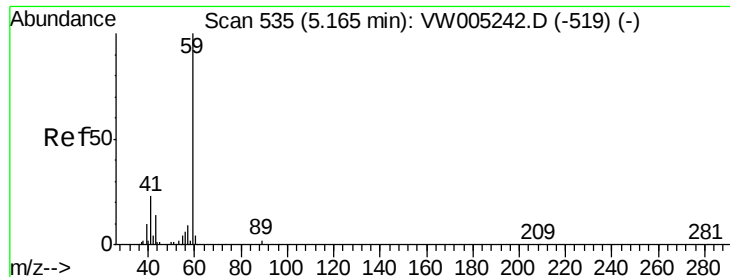


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

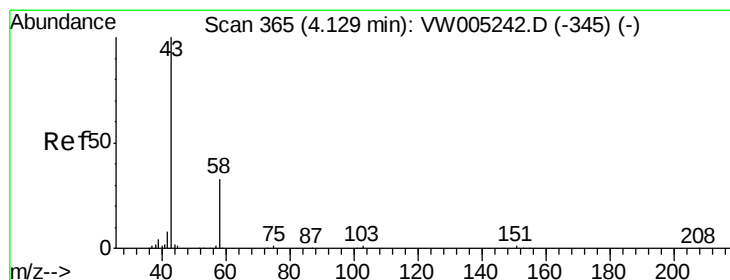
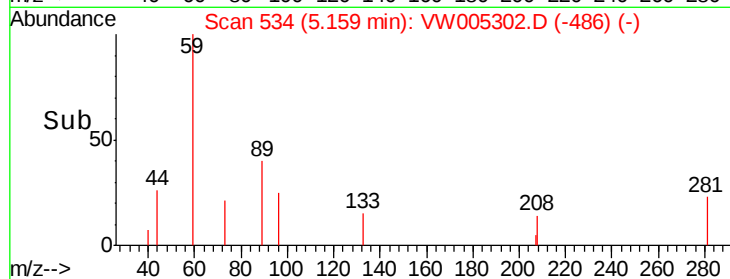
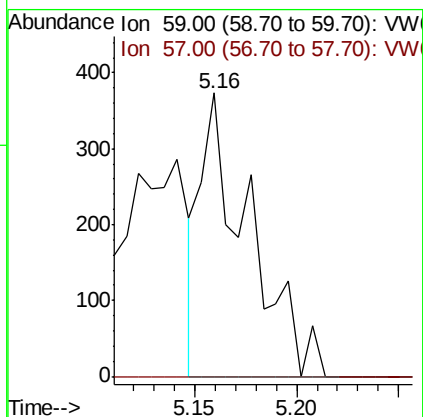
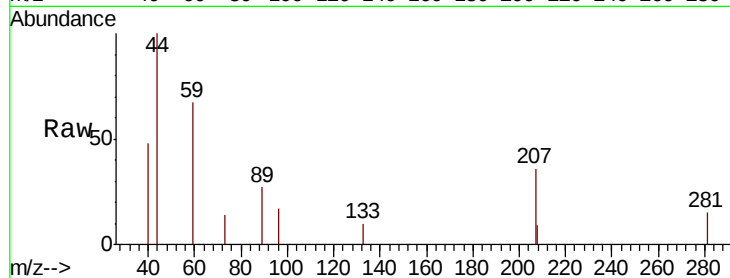




#11
Tert butyl alcohol
Concen: 2.921 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW005302.D
Acq: 12 Sep 2018 04:39

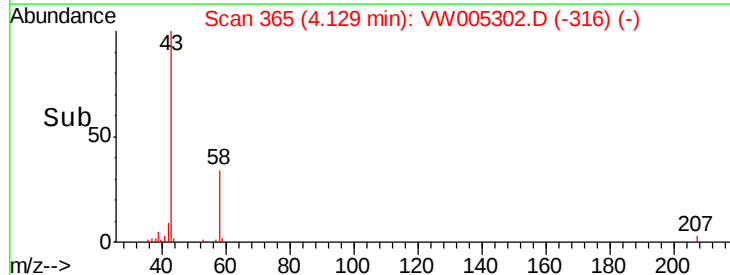
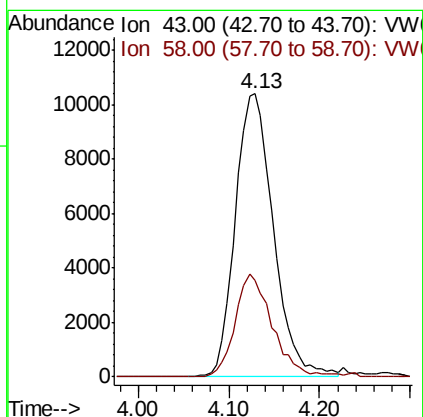
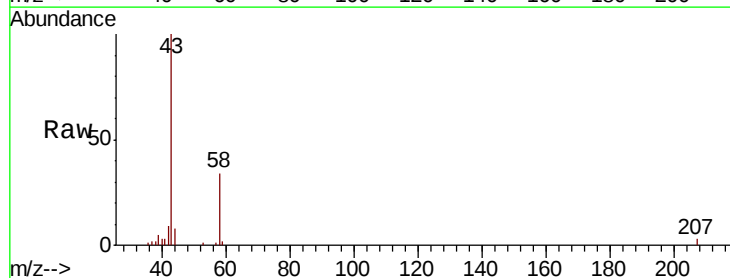
Instrument :
MSVOA_W
ClientSampleId :
PL-05-090718-E

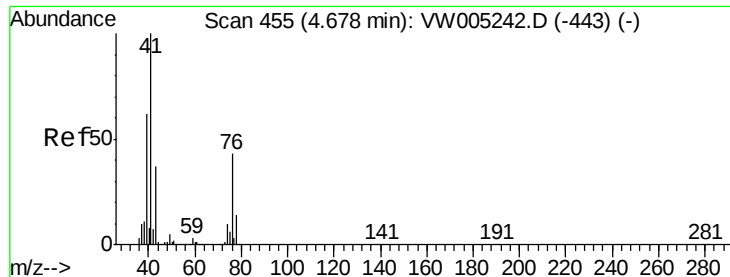
Tgt Ion: 59 Resp: 606
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 64.690 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.00 min
Lab File: VW005302.D
Acq: 12 Sep 2018 04:39

Tgt Ion: 43 Resp: 30373
Ion Ratio Lower Upper
43 100
58 34.2 26.7 40.1

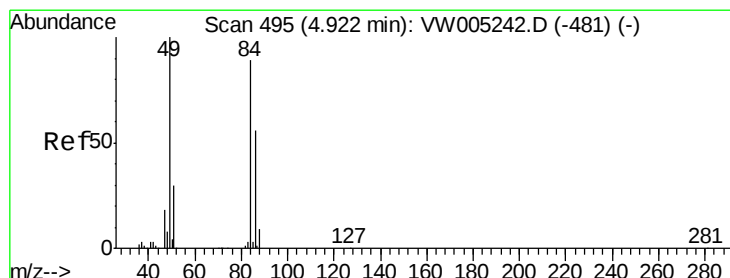
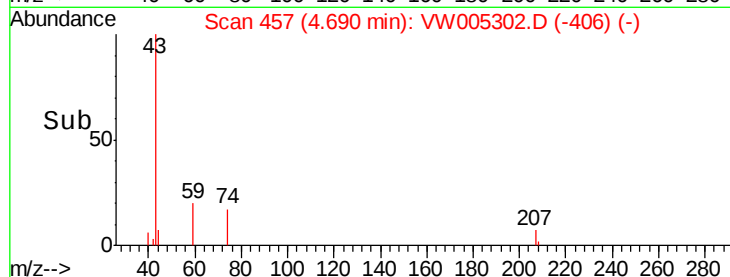
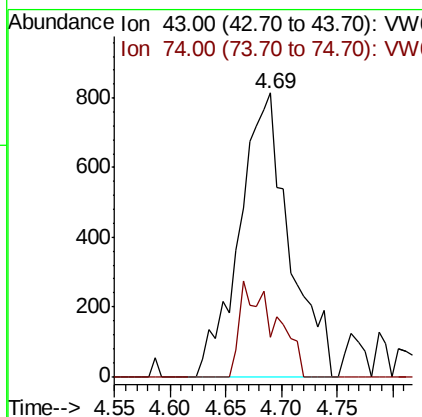
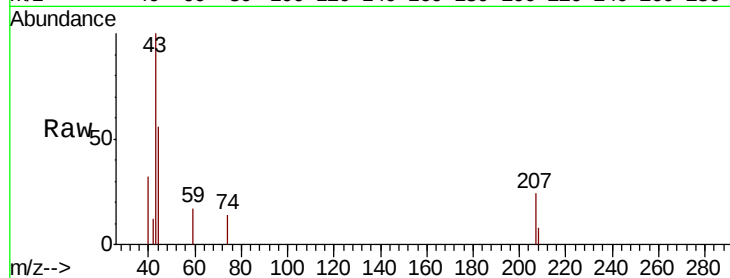




#18
Methyl Acetate
Concen: 1.805 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW005302.D
Acq: 12 Sep 2018 04:39

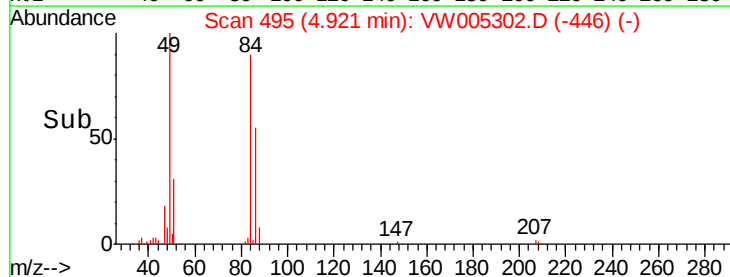
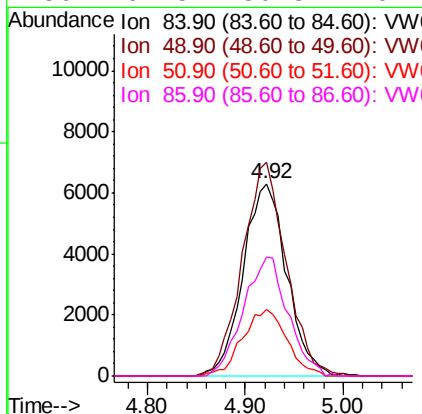
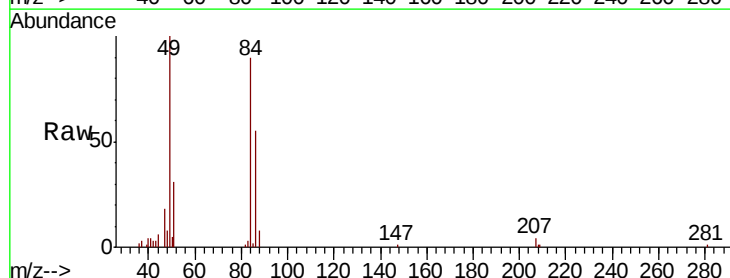
Instrument :
MSVOA_W
ClientSampleId :
PL-05-090718-E

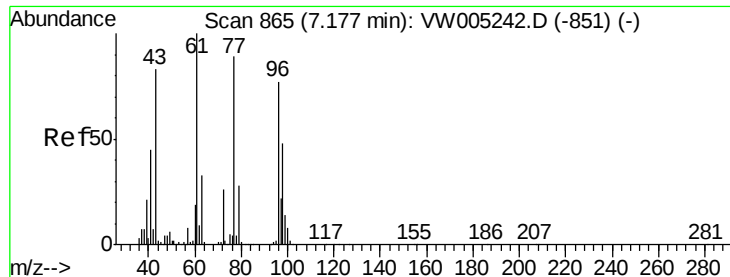
Tgt Ion: 43 Resp: 2530
Ion Ratio Lower Upper
43 100
74 0.0 21.4 32.2#



#20
Methylene Chloride
Concen: 2.467 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW005302.D
Acq: 12 Sep 2018 04:39

Tgt Ion: 84 Resp: 19533
Ion Ratio Lower Upper
84 100
49 111.0 90.3 135.5
51 34.5 26.9 40.3
86 61.5 50.8 76.2





#25

2-Butanone

Concen: 1.516 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.02 min

Lab File: VW005302.D

Acq: 12 Sep 2018 04:39

Instrument :

MSVOA_W

ClientSampleId :

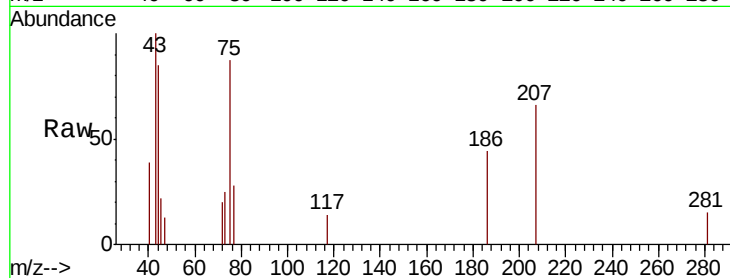
PL-05-090718-E

Tgt Ion: 43 Resp: 1123

Ion Ratio Lower Upper

43 100

72 20.3 25.0 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.20

400

300

200

100

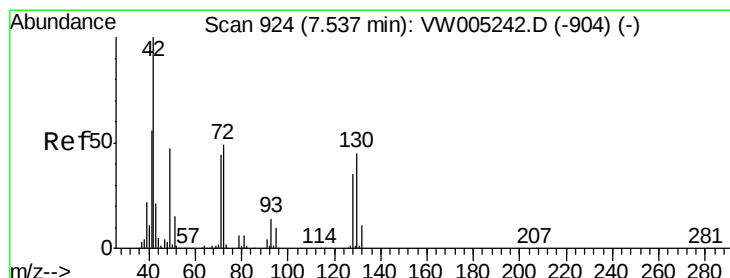
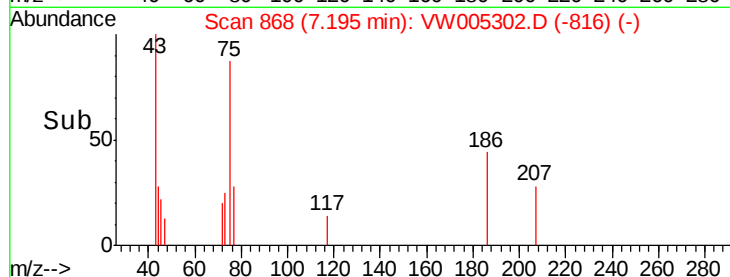
0

7.15

7.20

7.25

Time-->



#29

Tetrahydrofuran

Concen: 1.944 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.00 min

Lab File: VW005302.D

Acq: 12 Sep 2018 04:39

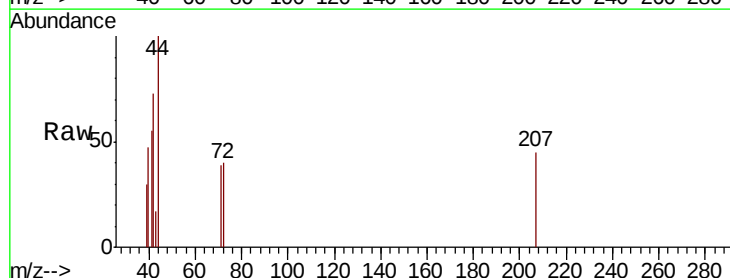
Tgt Ion: 42 Resp: 970

Ion Ratio Lower Upper

42 100

72 39.7 37.5 56.3

71 47.9 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

7.54

400

300

200

100

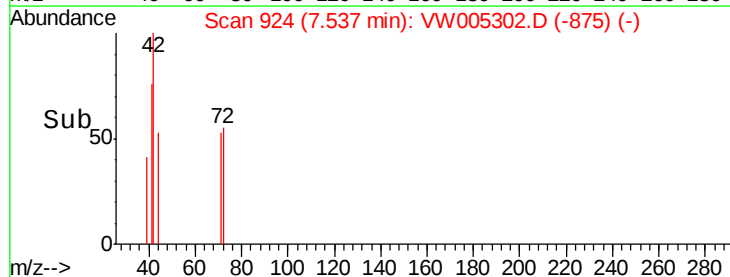
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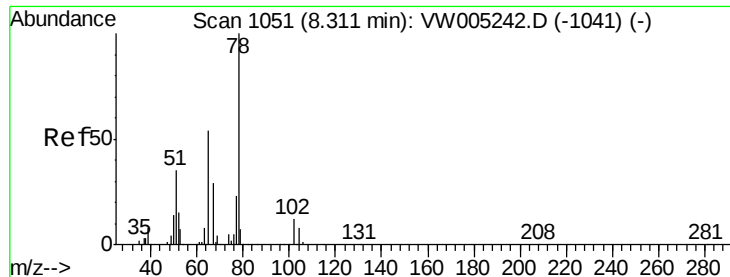
7.50

7.55

7.60

Time-->

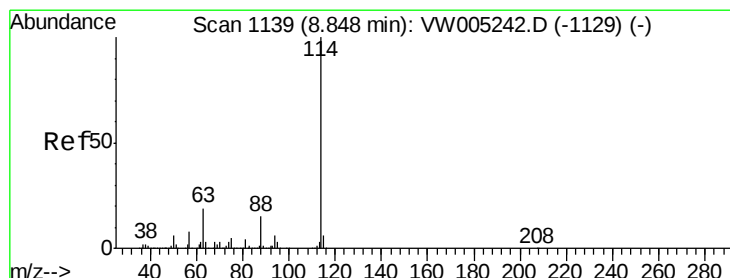
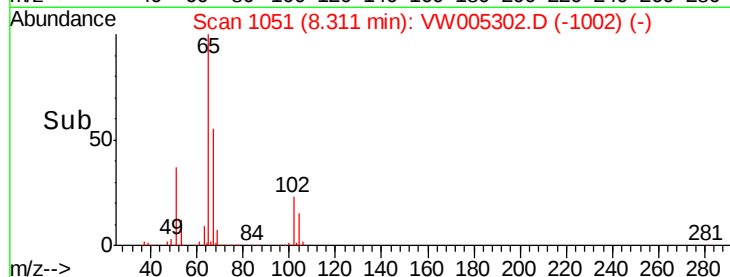
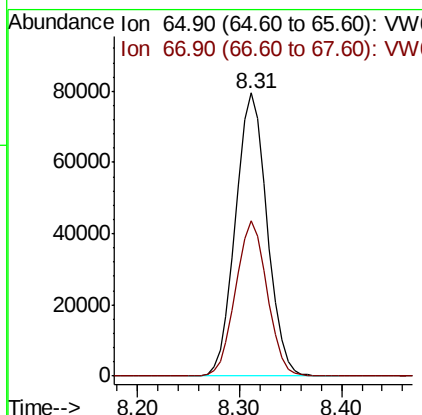
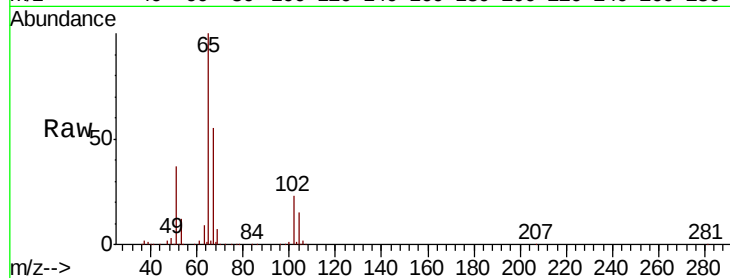




#33
 1,2-Dichloroethane-d4
 Concen: 67.414 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005302.D
 Acq: 12 Sep 2018 04:39

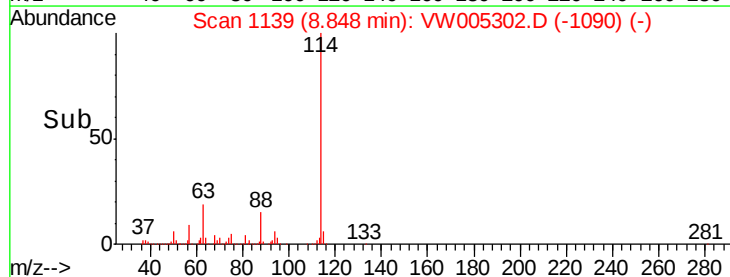
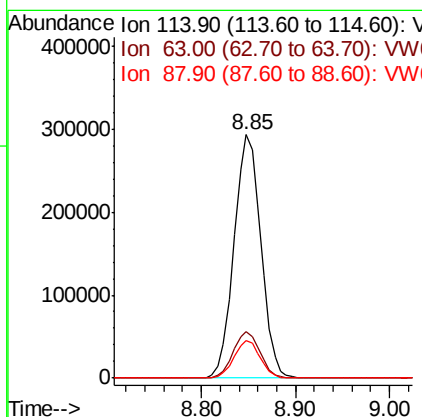
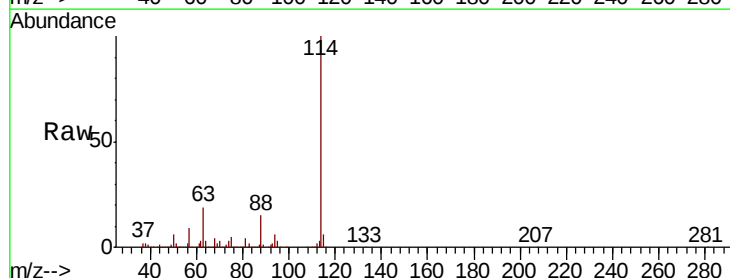
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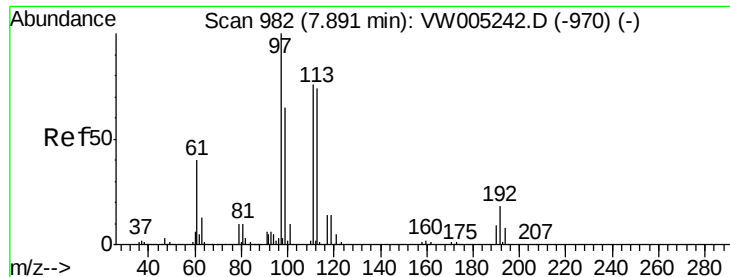
Tgt Ion: 65 Resp: 170524
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 112.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005302.D
 Acq: 12 Sep 2018 04:39

Tgt Ion: 114 Resp: 579503
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.0
 88 15.5 0.0 30.4

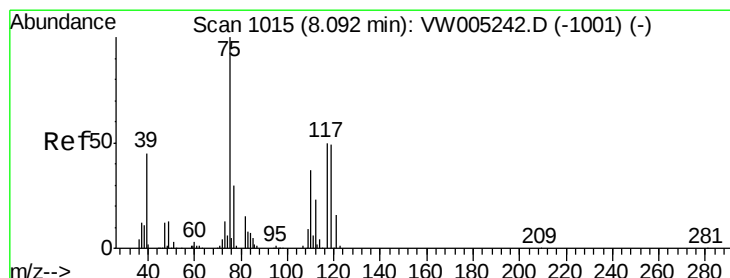
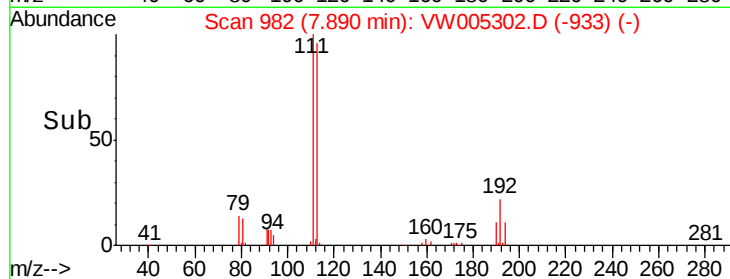
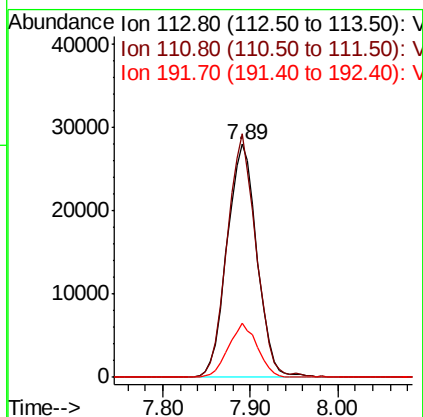
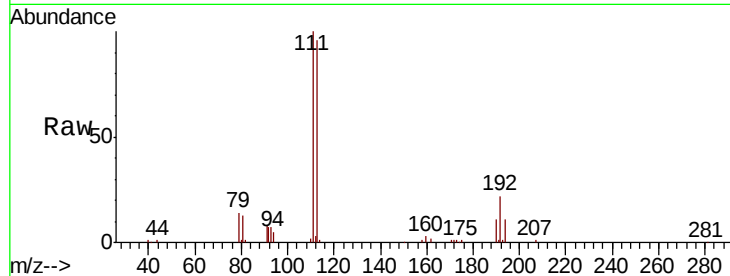




#35
 Dibromofluoromethane
 Concen: 21.971 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005302.D
 Acq: 12 Sep 2018 04:39

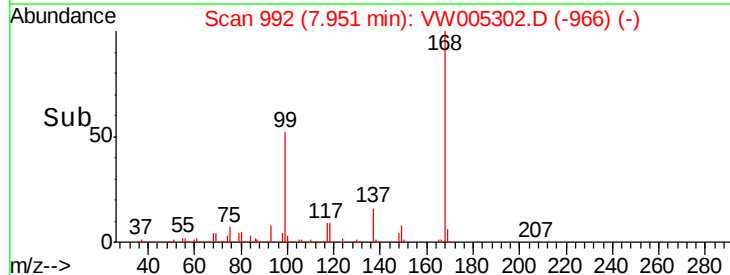
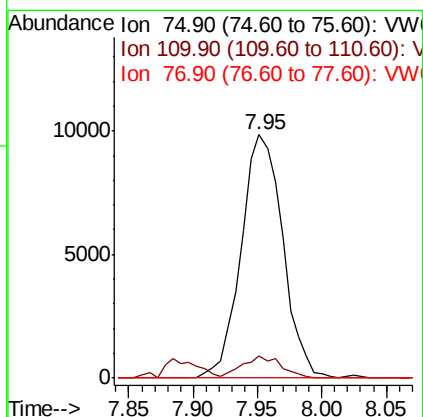
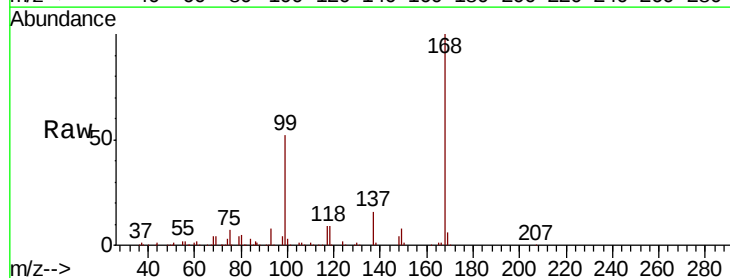
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 PL-05-090718-E

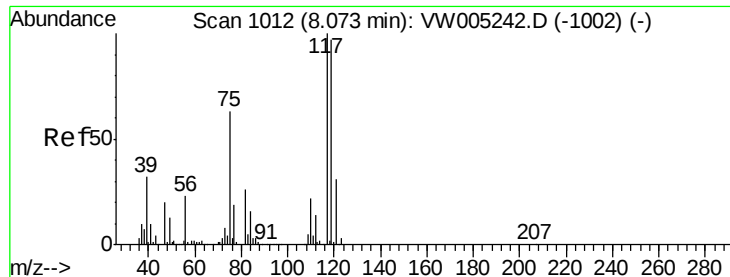
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	80.6	121.0
192	22.3	18.3	27.5



#36
 1,1-Dichloropropene
 Concen: 4.157 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.14 min
 Lab File: VW005302.D
 Acq: 12 Sep 2018 04:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.8	56.4#
77	0.0	24.9	37.3#

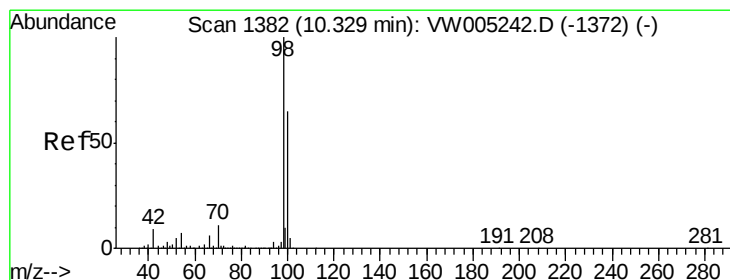
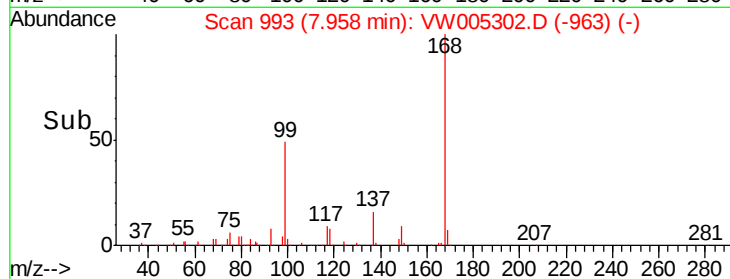
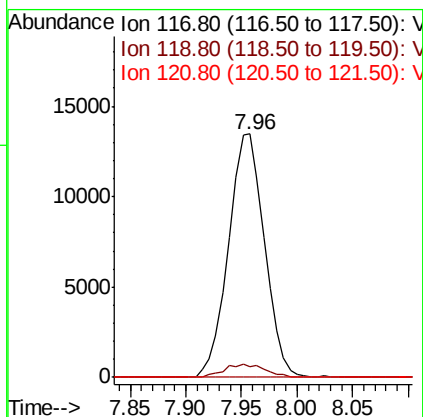
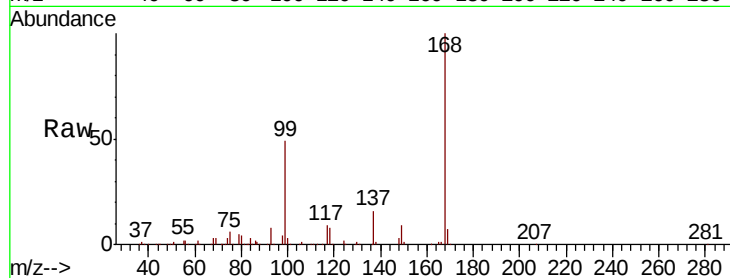




#38
Carbon Tetrachloride
Concen: 6.067 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.12 min
Lab File: VW005302.D
Acq: 12 Sep 2018 04:39

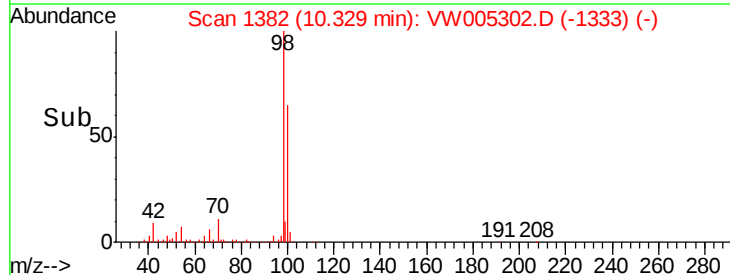
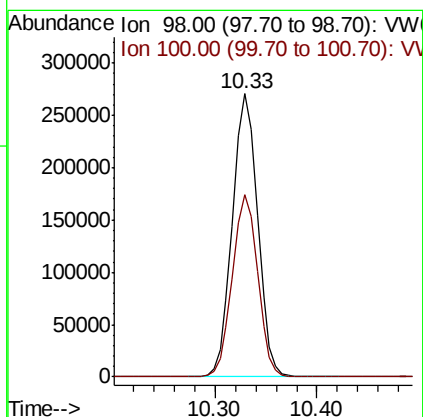
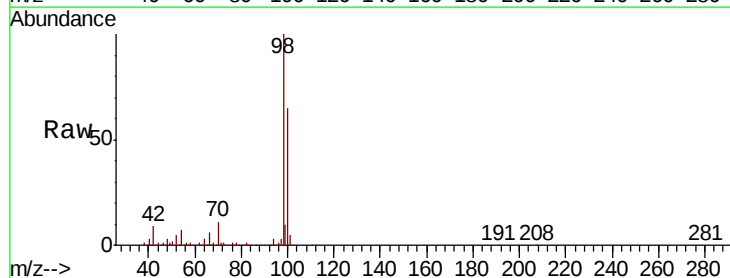
Instrument :
MSVOA_W
ClientSampleId :
PL-05-090718-E

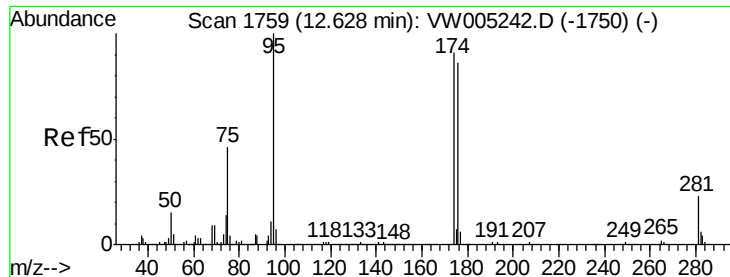
Tgt Ion: 117 Resp: 30174
Ion Ratio Lower Upper
117 100
119 4.5 77.5 116.3#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 30.255 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005302.D
Acq: 12 Sep 2018 04:39

Tgt Ion: 98 Resp: 464103
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 16.319 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.01 min

Lab File: VW005302.D

Acq: 12 Sep 2018 04:39

Instrument :

MSVOA_W

ClientSampled :

PL-05-090718-E

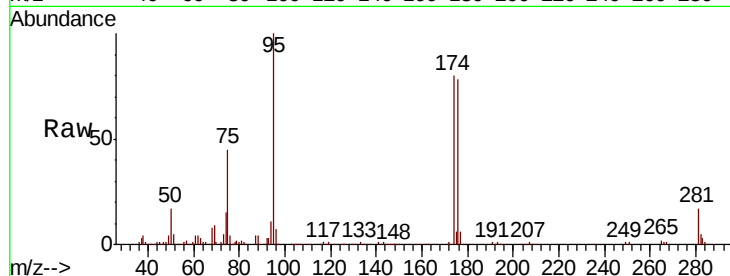
Tgt Ion: 95 Resp: 91561

Ion Ratio Lower Upper

95 100

174 87.0 0.0 174.6

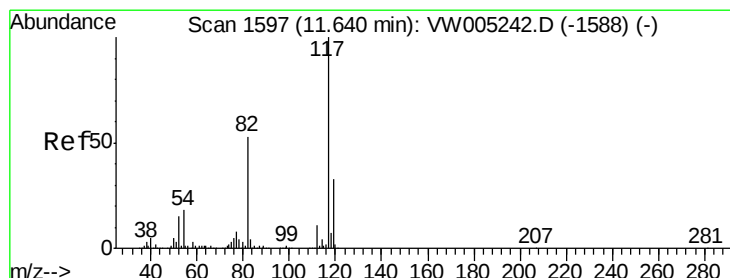
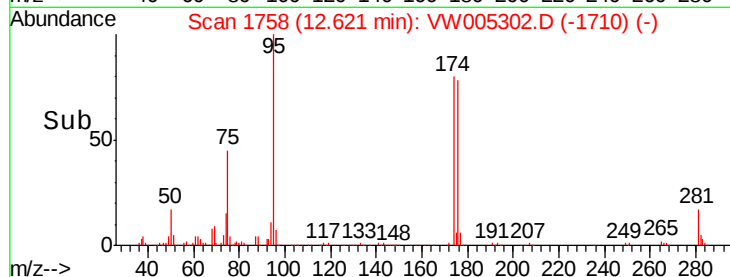
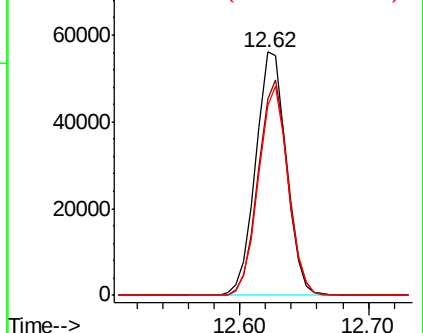
176 83.5 0.0 167.6



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# 1596

Delta R.T. -0.01 min

Lab File: VW005302.D

Acq: 12 Sep 2018 04:39

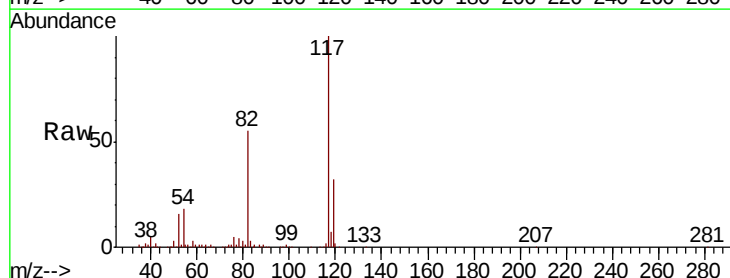
Tgt Ion: 117 Resp: 364620

Ion Ratio Lower Upper

117 100

82 54.6 42.6 63.8

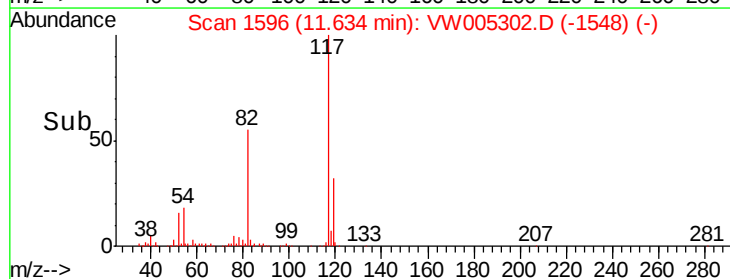
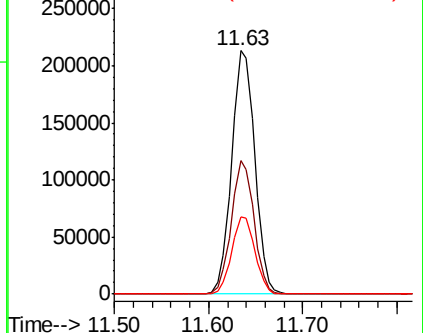
119 31.9 26.2 39.4

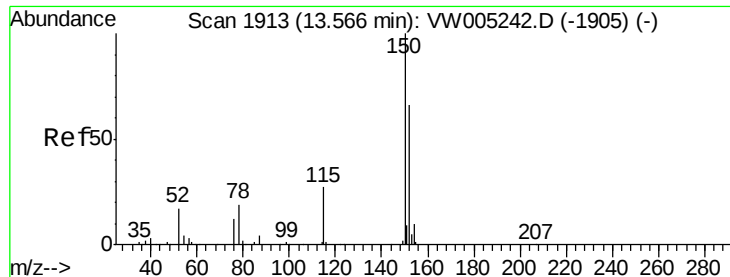


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



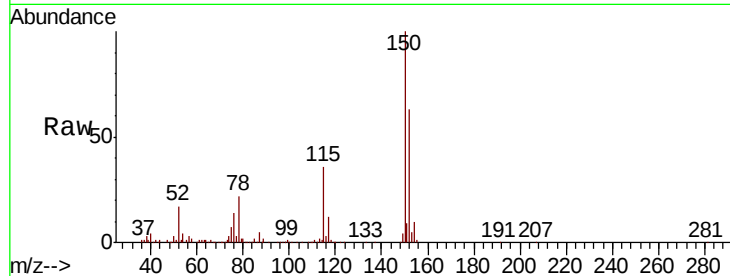


#72

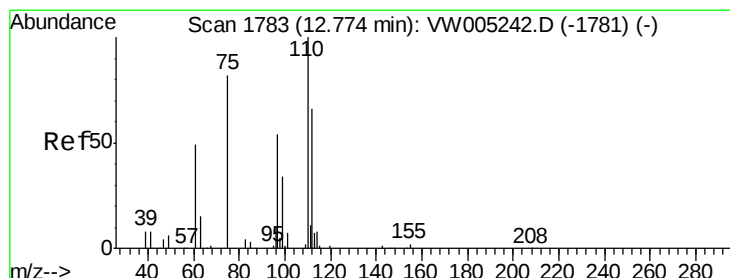
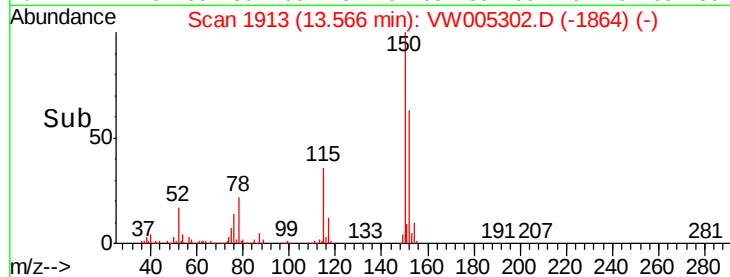
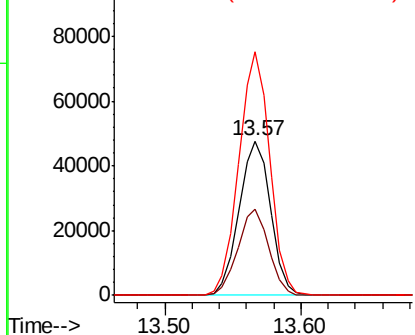
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005302.D
Acq: 12 Sep 2018 04:39

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

Tgt Ion:152 Resp: 76969
Ion Ratio Lower Upper
152 100
115 54.7 27.5 82.4
150 155.3 0.0 347.4



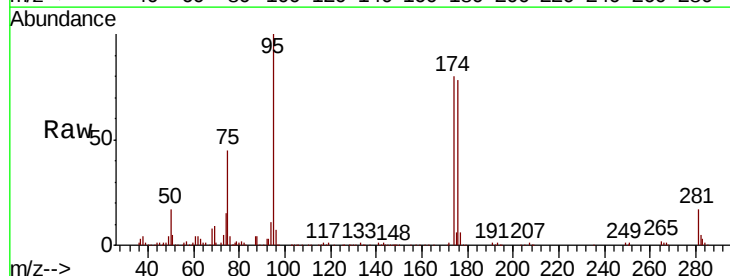
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



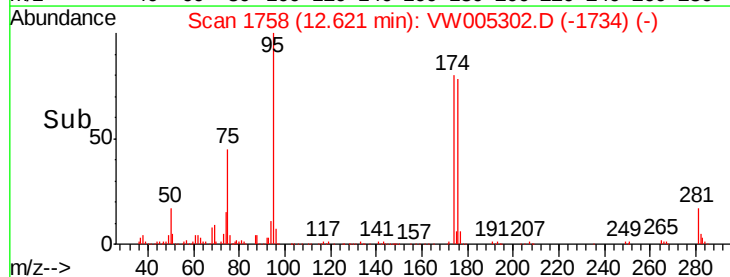
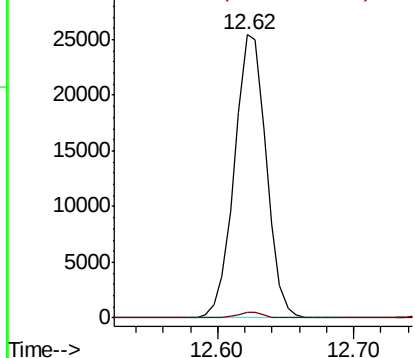
#76

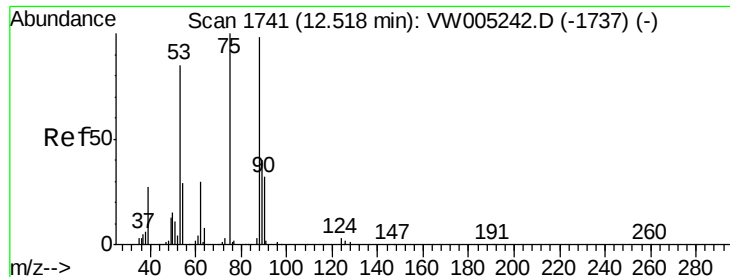
1,2,3-Trichloropropane
Concen: 70.030 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW005302.D
Acq: 12 Sep 2018 04:39

Tgt Ion: 75 Resp: 41458
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: 164.235 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005302.D

Acq: 12 Sep 2018 04:39

Instrument :

MSVOA_W

ClientSampleId :

PL-05-090718-E

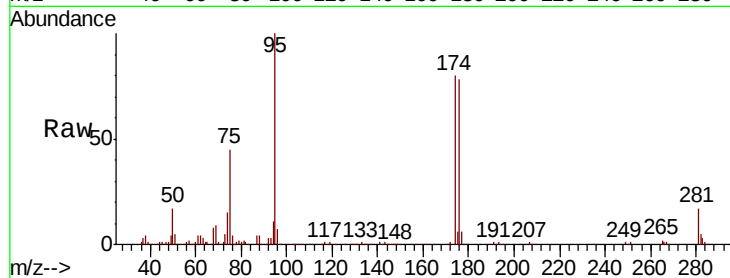
Tgt Ion: 75 Resp: 41458

Ion Ratio Lower Upper

75 100

53 0.2 67.0 100.6#

89 0.1 37.0 55.4#



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

