

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
 Data File : VW005288.D
 Acq On : 11 Sep 2018 20:34
 Operator : SY/AP
 Sample : J4769-01
 Misc : 6.33G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Sep 12 01:04:01 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	491428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	810439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	742323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	339447	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	207838	56.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.40%	
35) Dibromofluoromethane	7.89	113	161060	37.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.88%	
50) Toluene-d8	10.33	98	802752	37.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.84%	
62) 4-Bromofluorobenzene	12.63	95	265429	33.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.66%	

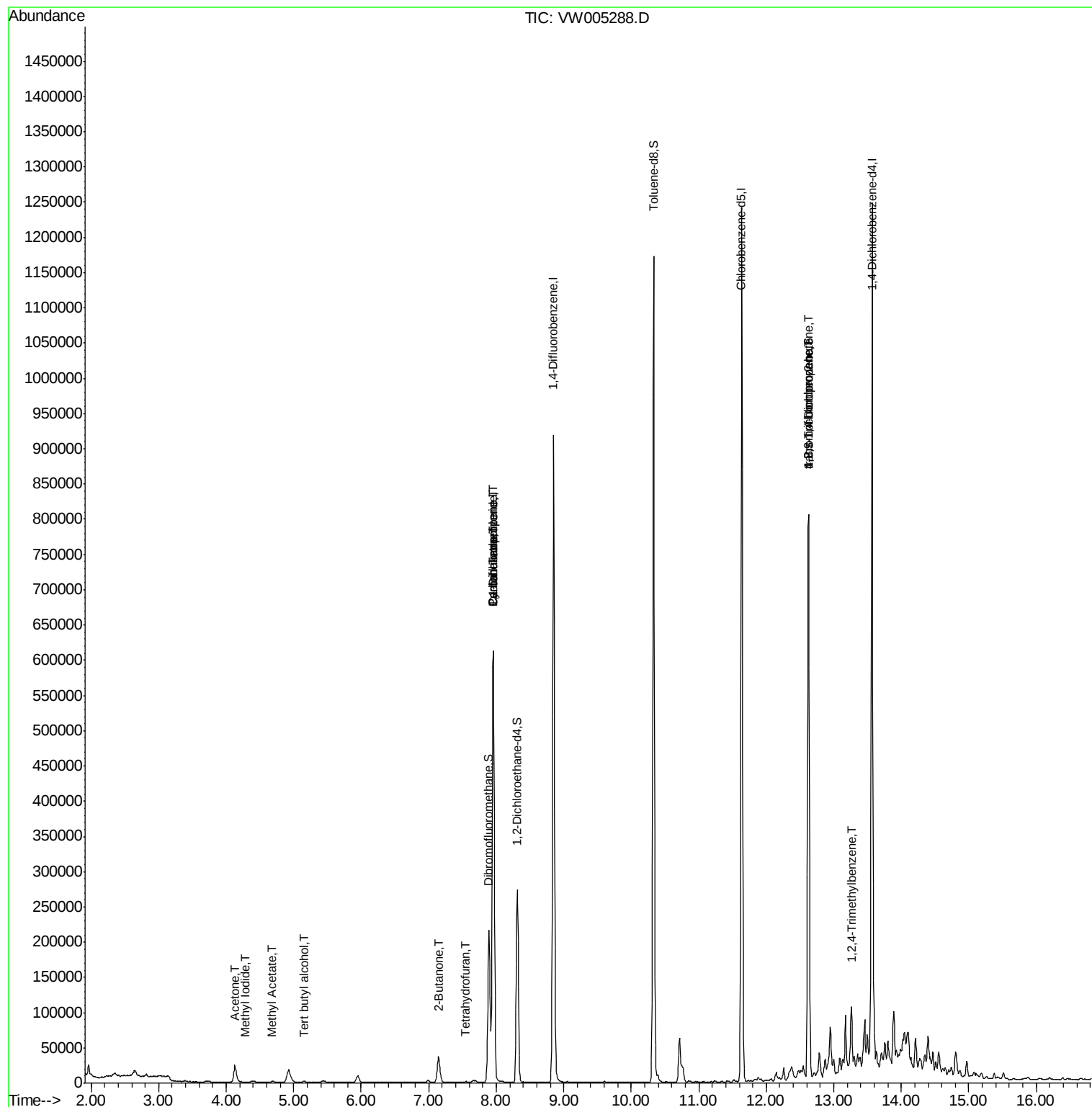
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	765	Below Cal		98
10) Methyl Iodide	4.28	142	295	3.379	ug/l #	45
11) Tert butyl alcohol	5.16	59	2045	6.803	ug/l #	76
16) Acetone	4.13	43	42468	62.421	ug/l	93
18) Methyl Acetate	4.68	43	2813	1.385	ug/l	100
20) Methylene Chloride	4.92	84	14843	Below Cal		95
25) 2-Butanone	7.14	43	2100	1.957	ug/l #	43
29) Tetrahydrofuran	7.54	42	1273	1.760	ug/l	92
31) Cyclohexane	7.95	56	8125	1.036	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	33317	4.487	ug/l #	48
38) Carbon Tetrachloride	7.96	117	43669	6.279	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	124486	47.680	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	124486	111.820	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.26	105	49607	2.417	ug/l	97

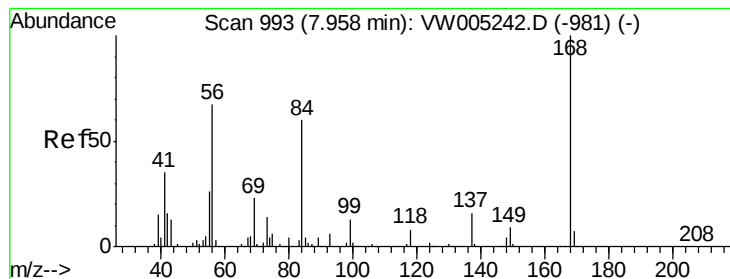
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005288.D

Acq: 11 Sep 2018 20:34

Instrument :

MSVOA_W

ClientSampleId :

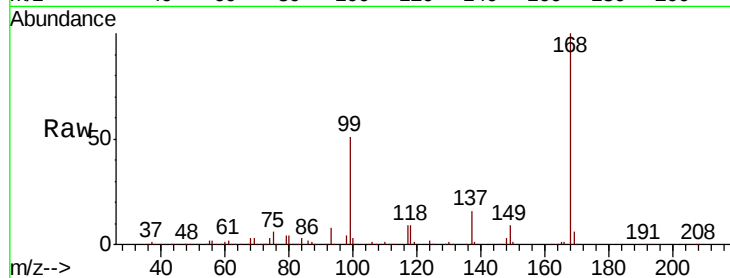
HR-05-090718-A

Tgt Ion:168 Resp: 491428

Ion Ratio Lower Upper

168 100

99 51.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

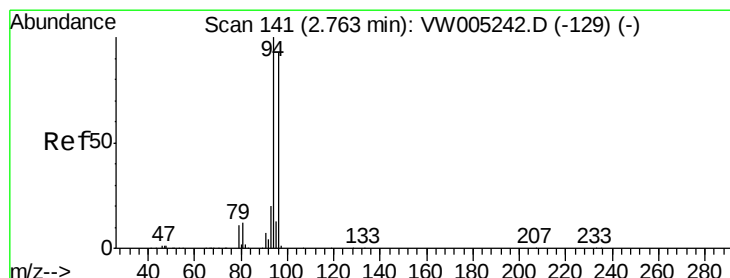
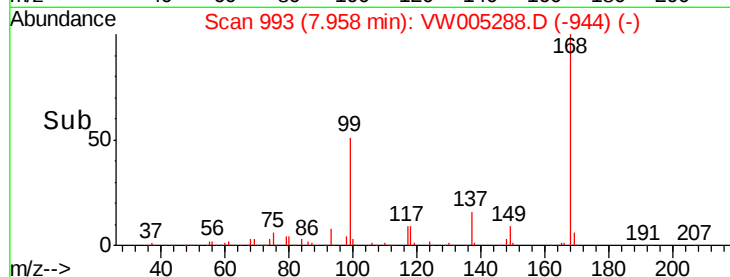
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW005288.D

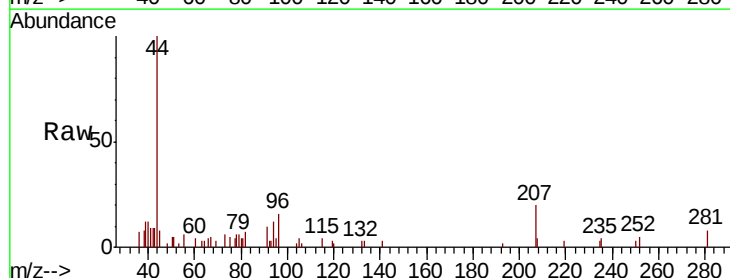
Acq: 11 Sep 2018 20:34

Tgt Ion: 94 Resp: 765

Ion Ratio Lower Upper

94 100

96 90.7 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

400

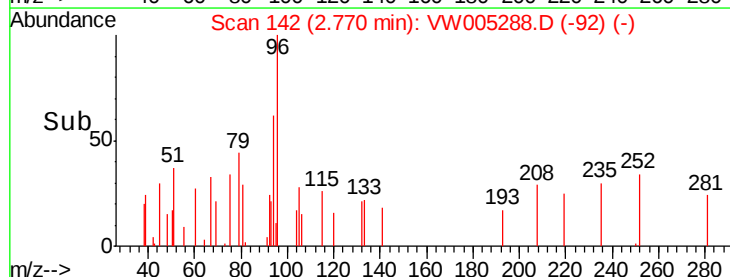
300

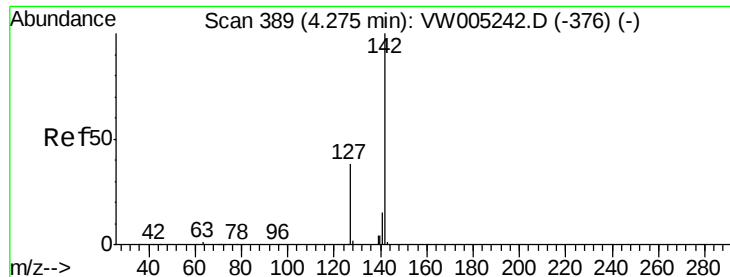
200

100

0

Time--> 2.70 2.75 2.80

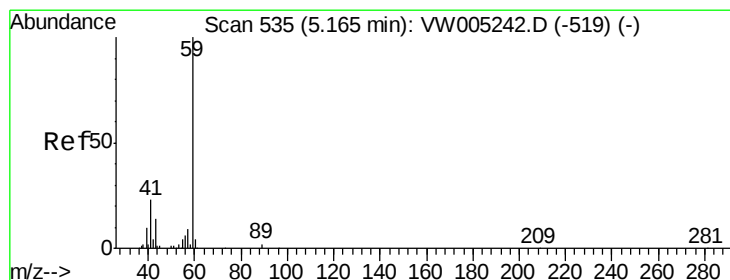
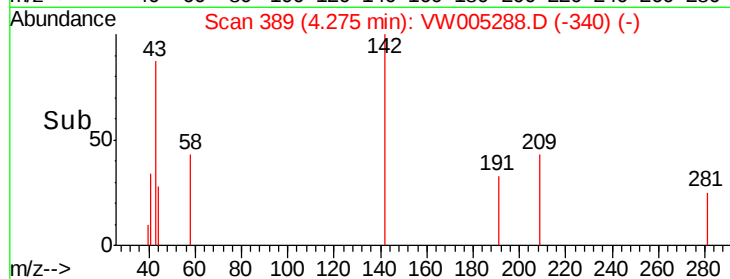
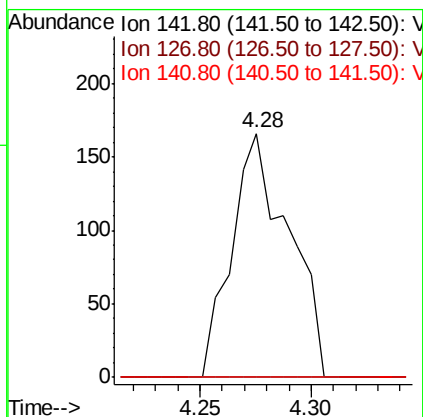
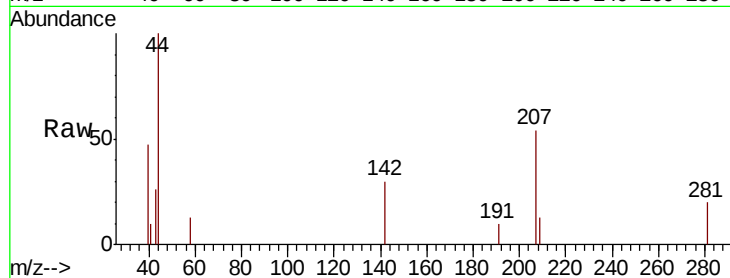




#10
Methyl Iodide
Concen: 3.379 ug/l
RT: 4.28 min Scan# 389
Delta R.T. 0.00 min
Lab File: VW005288.D
Acq: 11 Sep 2018 20:34

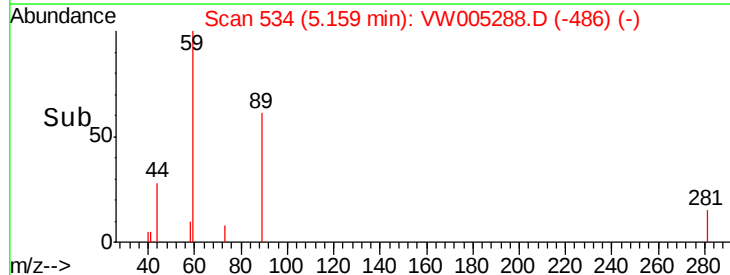
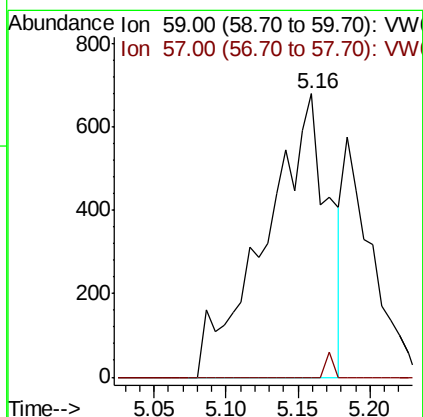
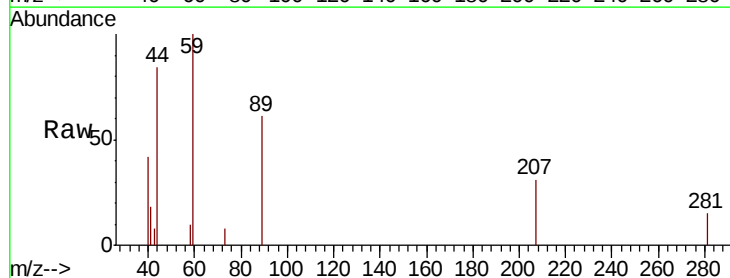
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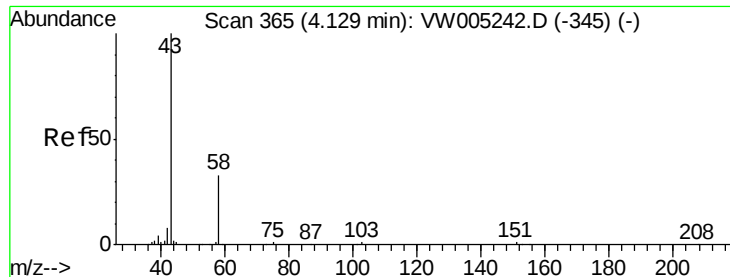
Tgt Ion: 142 Resp: 295
Ion Ratio Lower Upper
142 100
127 0.0 30.3 45.5#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 6.803 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW005288.D
Acq: 11 Sep 2018 20:34

Tgt Ion: 59 Resp: 2045
Ion Ratio Lower Upper
59 100
57 1.1 8.1 12.1#

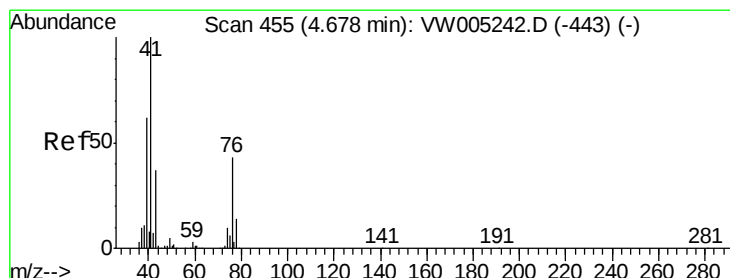
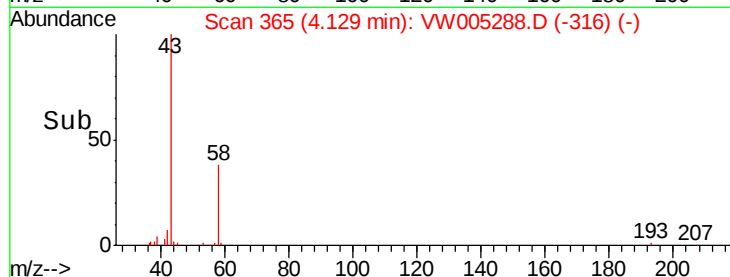
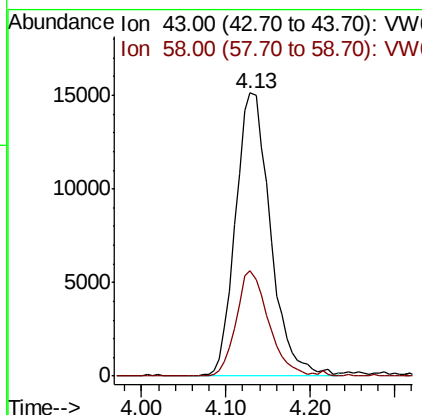
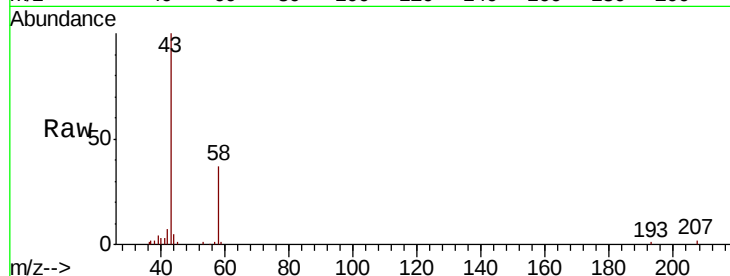




#16
Acetone
Concen: 62.421 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.00 min
Lab File: VW005288.D
Acq: 11 Sep 2018 20:34

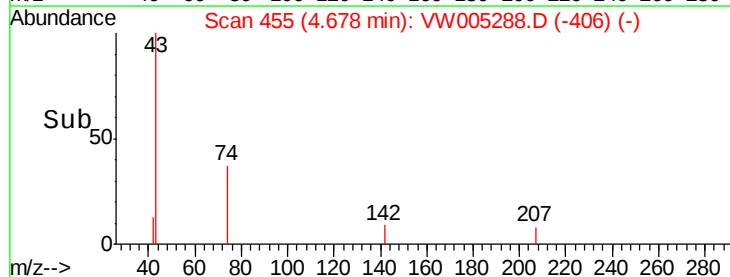
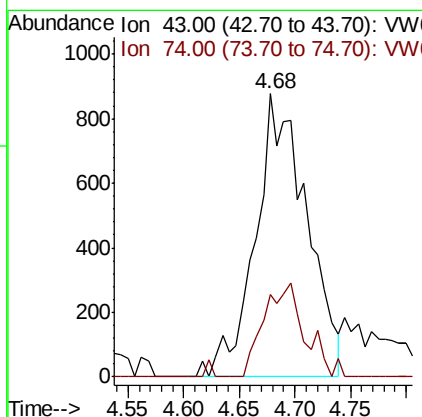
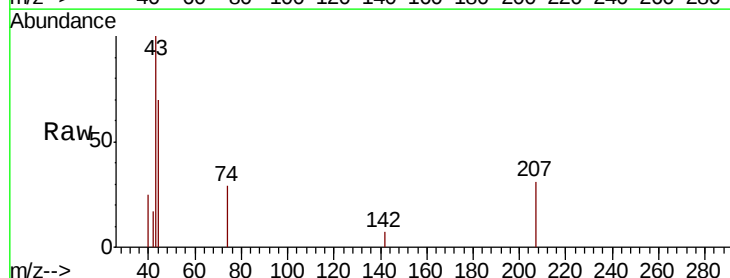
Instrument :
MSVOA_W
ClientSampleId :
HR-05-090718-A

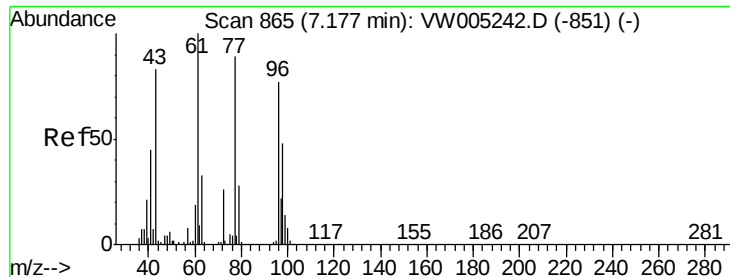
Tgt Ion: 43 Resp: 42468
Ion Ratio Lower Upper
43 100
58 37.3 26.7 40.1



#18
Methyl Acetate
Concen: 1.385 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW005288.D
Acq: 11 Sep 2018 20:34

Tgt Ion: 43 Resp: 2813
Ion Ratio Lower Upper
43 100
74 26.7 21.4 32.2





#25

2-Butanone

Concen: 1.957 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW005288.D

Acq: 11 Sep 2018 20:34

Instrument :

MSVOA_W

ClientSampleId :

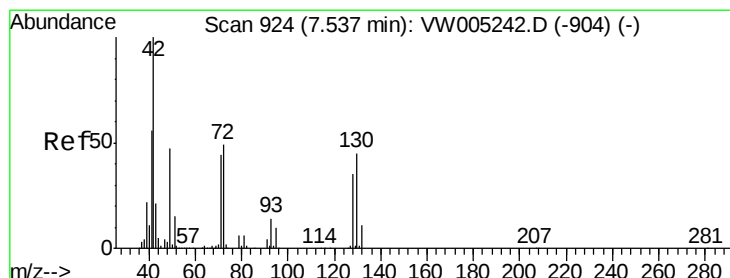
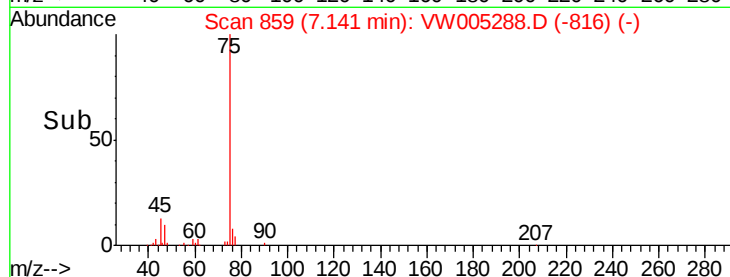
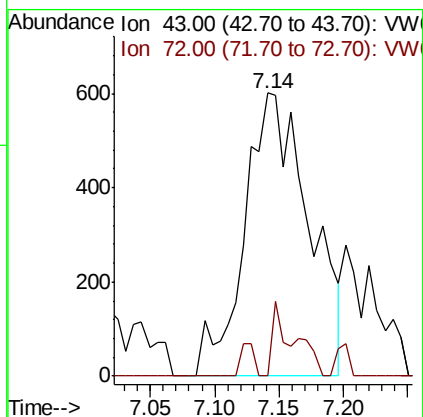
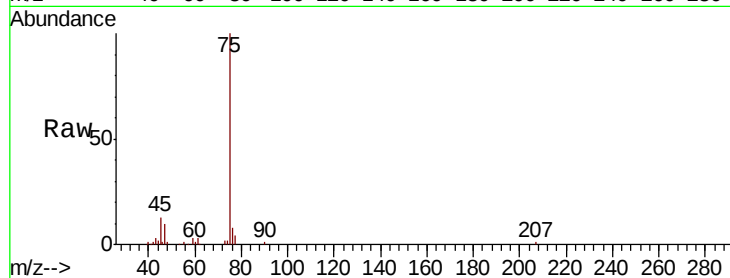
HR-05-090718-A

Tgt Ion: 43 Resp: 2100

Ion Ratio Lower Upper

43 100

72 0.0 25.0 37.6#



#29

Tetrahydrofuran

Concen: 1.760 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005288.D

Acq: 11 Sep 2018 20:34

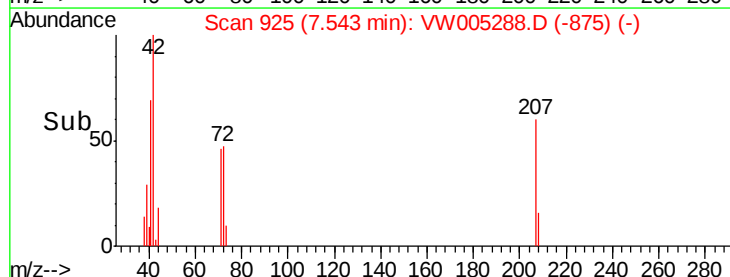
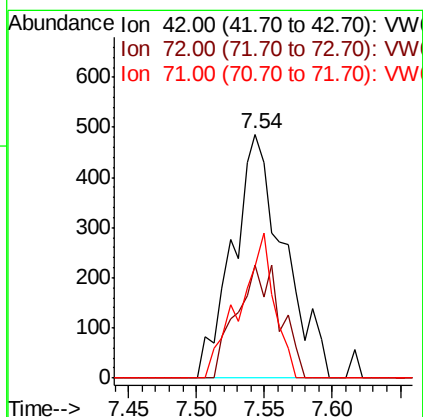
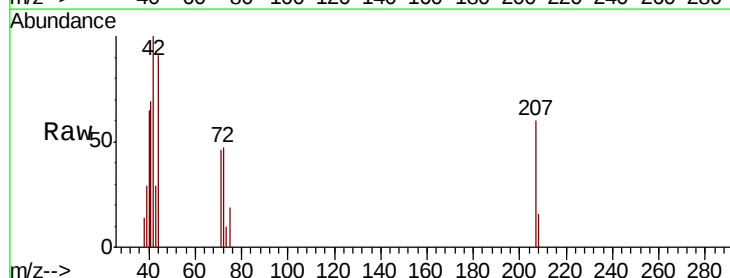
Tgt Ion: 42 Resp: 1273

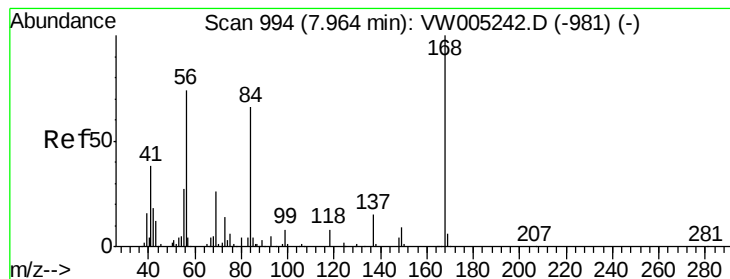
Ion Ratio Lower Upper

42 100

72 39.9 37.5 56.3

71 40.7 34.8 52.2





#31

Cyclohexane

Concen: 1.036 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005288.D

Acq: 11 Sep 2018 20:34

Instrument :

MSVOA_W

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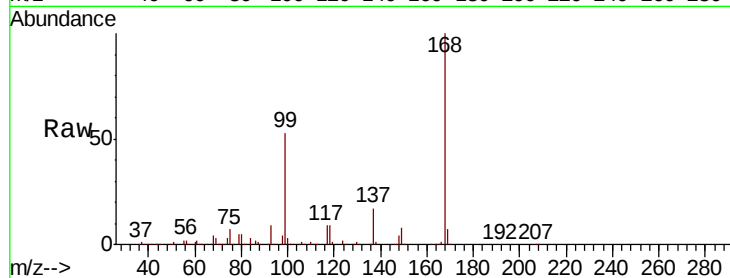
Tgt Ion: 56 Resp: 8125

Ion Ratio Lower Upper

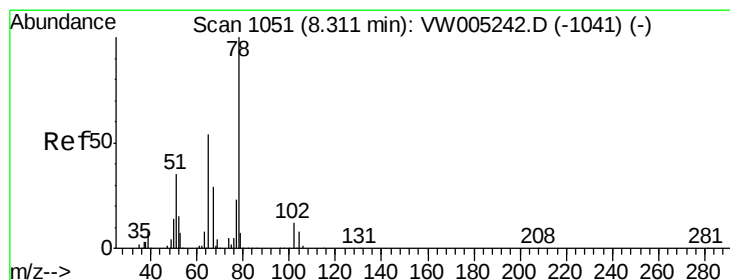
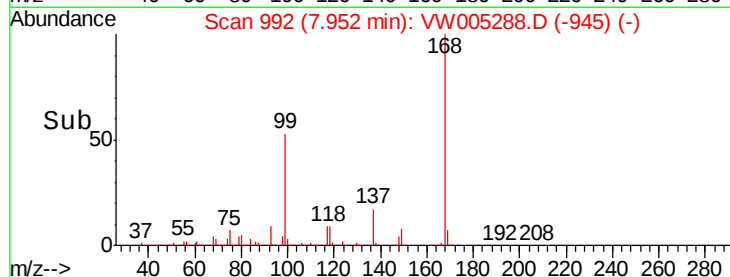
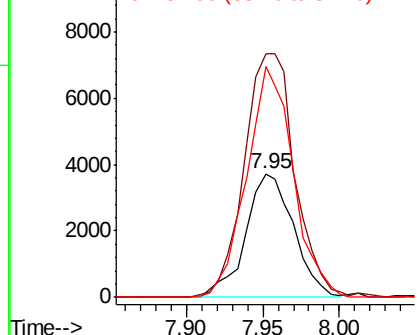
56 100

69 197.4 27.8 41.8#

84 186.7 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: 56.703 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005288.D

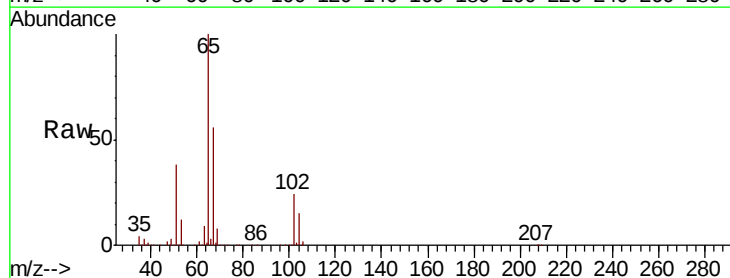
Acq: 11 Sep 2018 20:34

Tgt Ion: 65 Resp: 207838

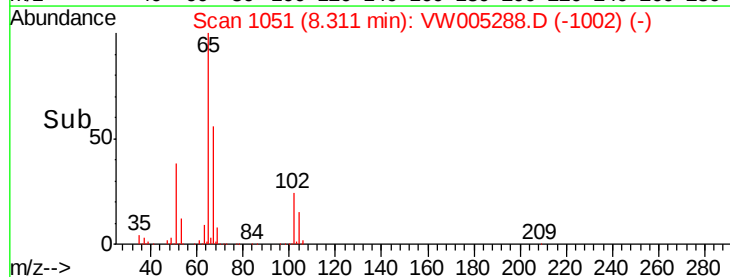
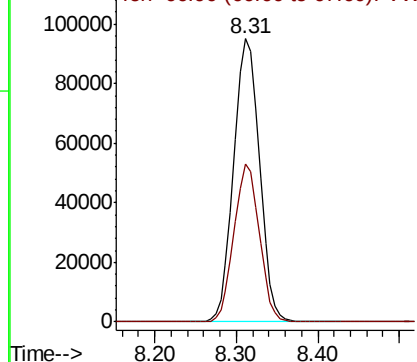
Ion Ratio Lower Upper

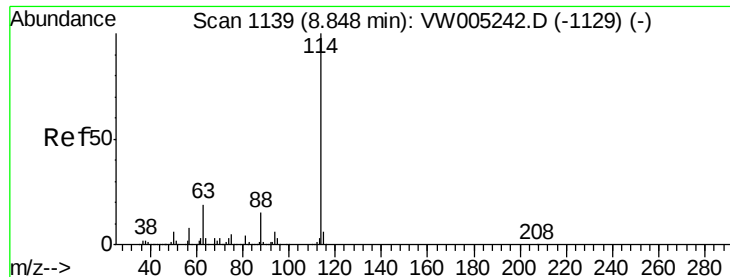
65 100

67 54.6 0.0 112.2



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

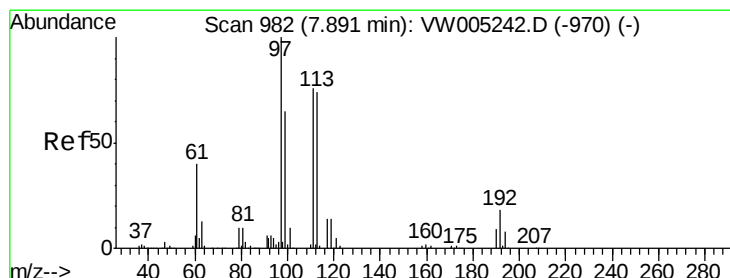
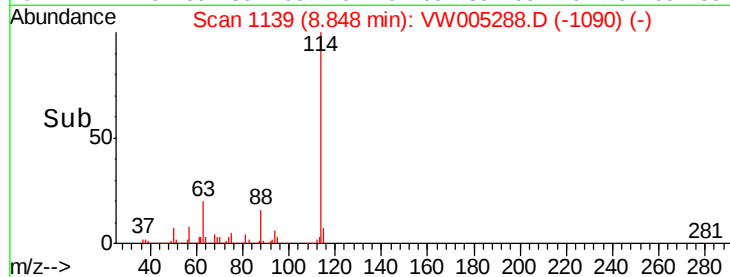
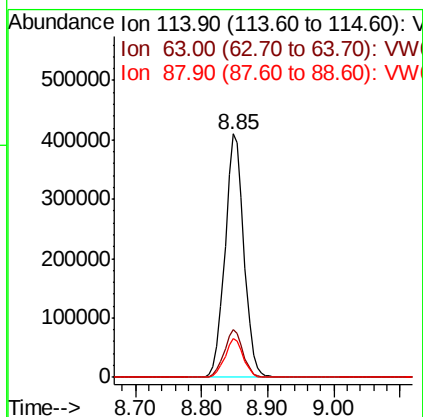
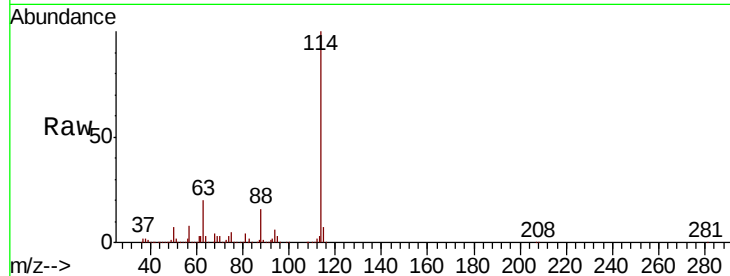




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005288.D
 Acq: 11 Sep 2018 20:34

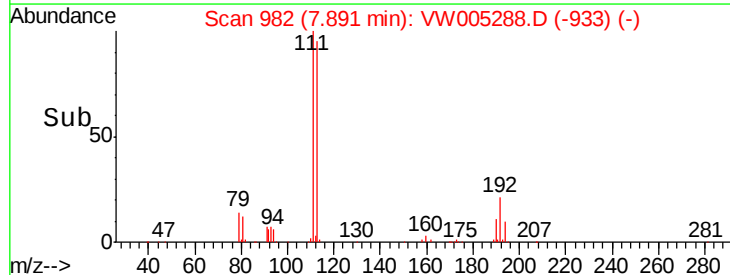
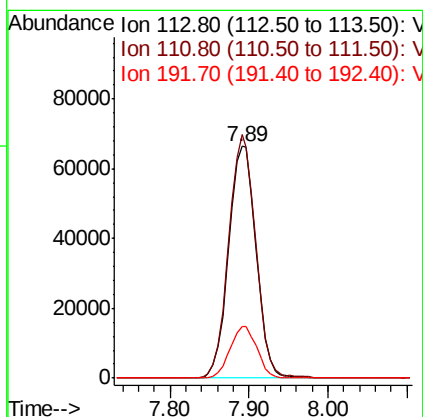
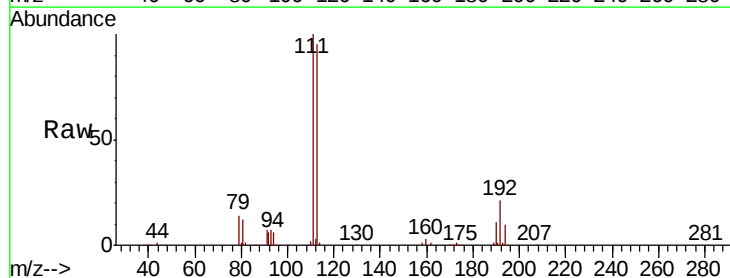
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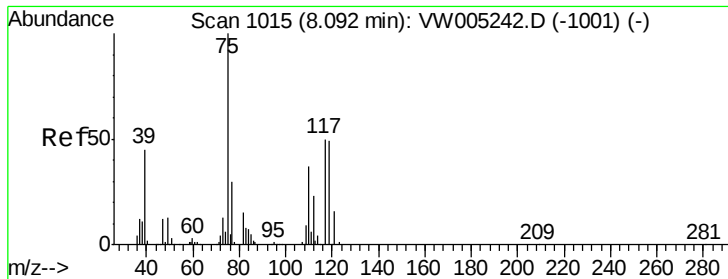
Tgt Ion:114 Resp: 810439
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.0
 88 15.9 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 37.938 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005288.D
 Acq: 11 Sep 2018 20:34

Tgt Ion:113 Resp: 161060
 Ion Ratio Lower Upper
 113 100
 111 102.7 80.6 121.0
 192 21.9 18.3 27.5

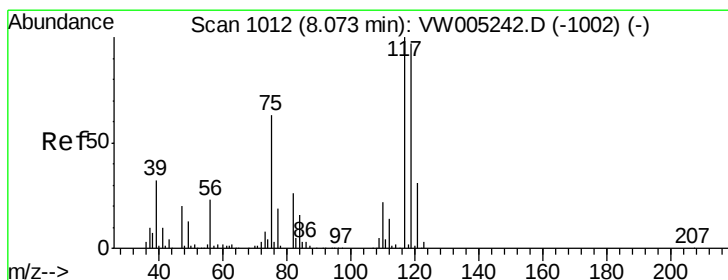
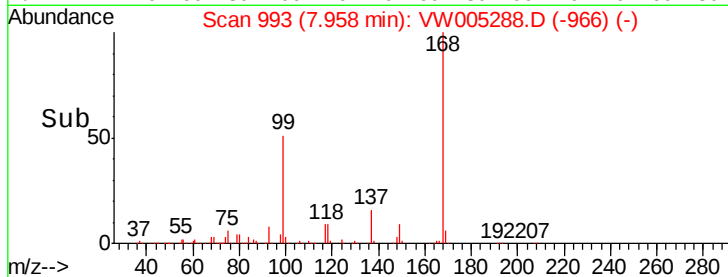
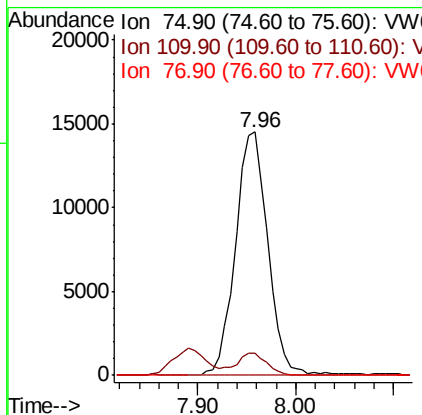
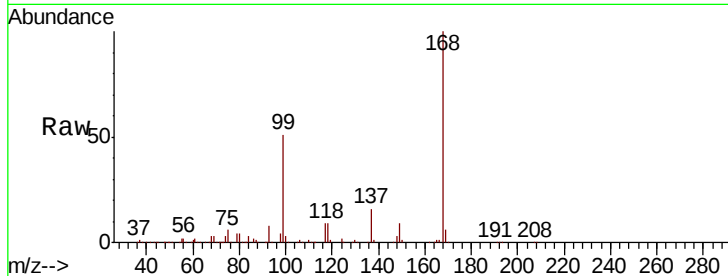




#36
 1,1-Dichloropropene
 Concen: 4.487 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005288.D
 Acq: 11 Sep 2018 20:34

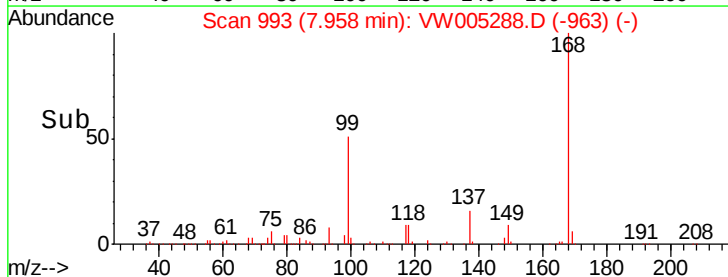
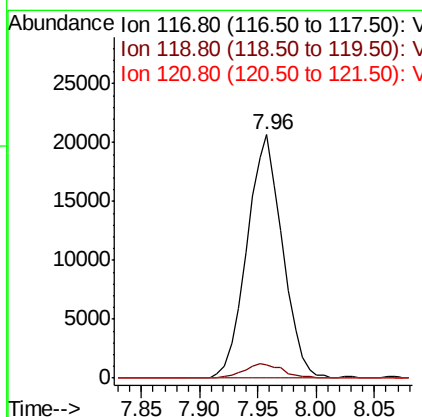
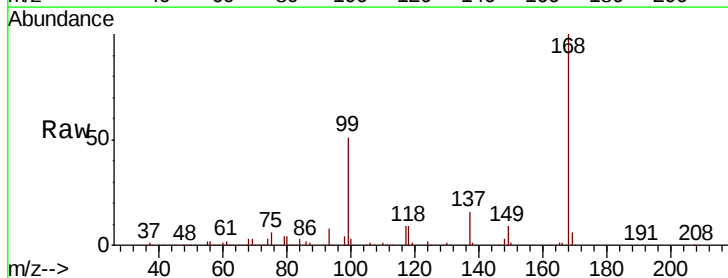
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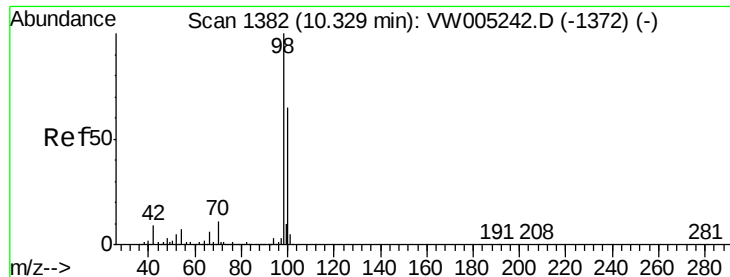
Tgt Ion: 75 Resp: 33317
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.8 56.4#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.279 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005288.D
 Acq: 11 Sep 2018 20:34

Tgt Ion: 117 Resp: 43669
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.5 116.3#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 37.420 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005288.D

Acq: 11 Sep 2018 20:34

Instrument :

MSVOA_W

ClientSampleId :

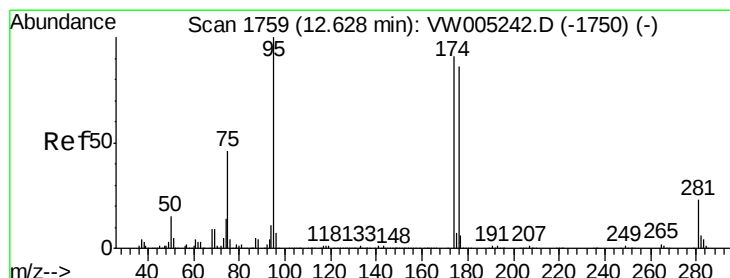
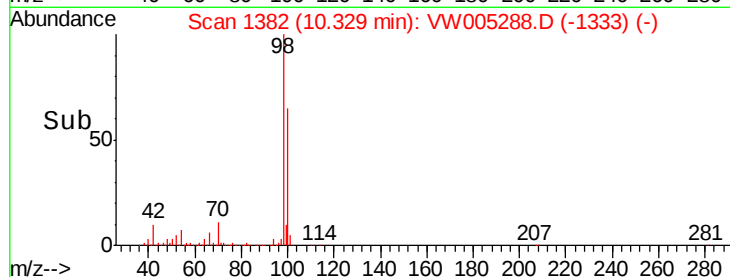
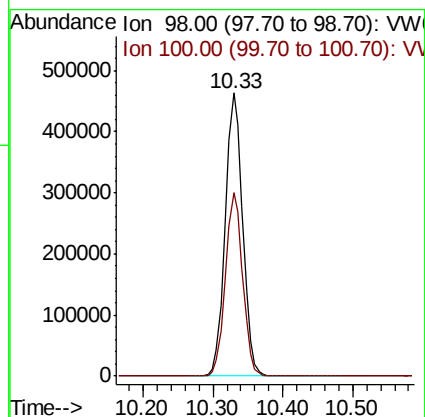
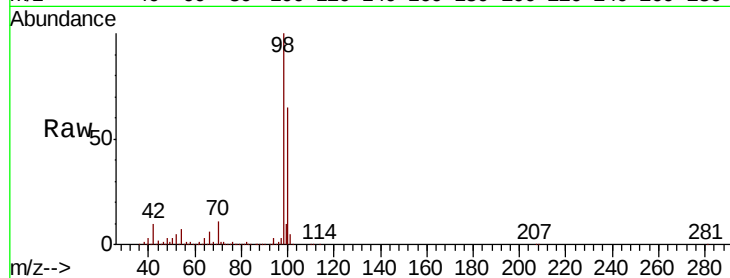
HR-05-090718-A

Tgt Ion: 98 Resp: 802752

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 33.827 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.00 min

Lab File: VW005288.D

Acq: 11 Sep 2018 20:34

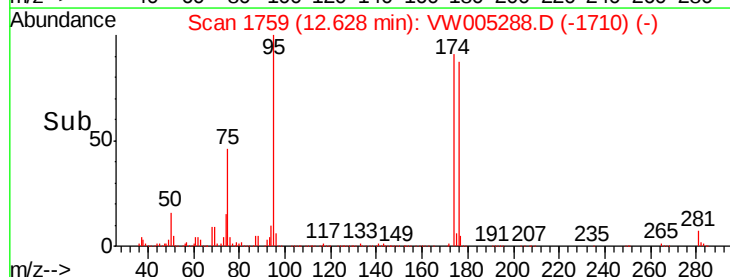
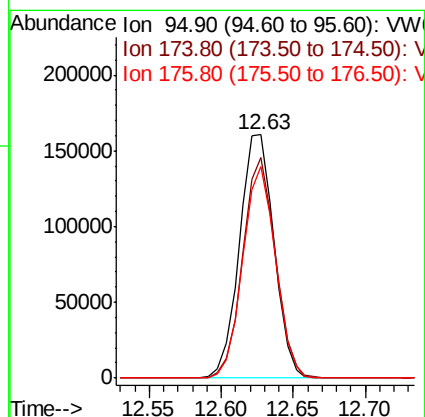
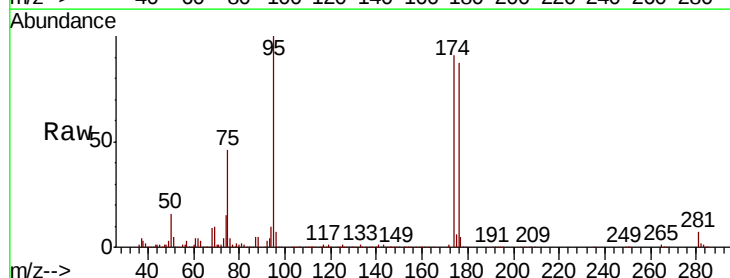
Tgt Ion: 95 Resp: 265429

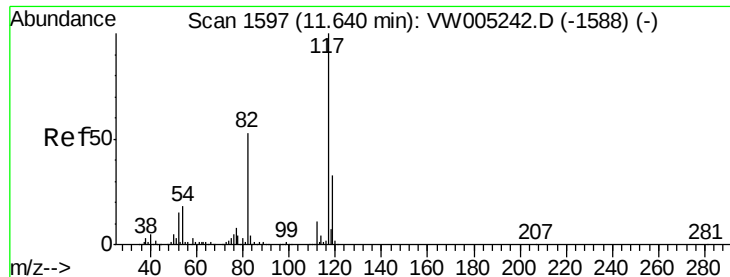
Ion Ratio Lower Upper

95 100

174 86.2 0.0 174.6

176 83.3 0.0 167.6

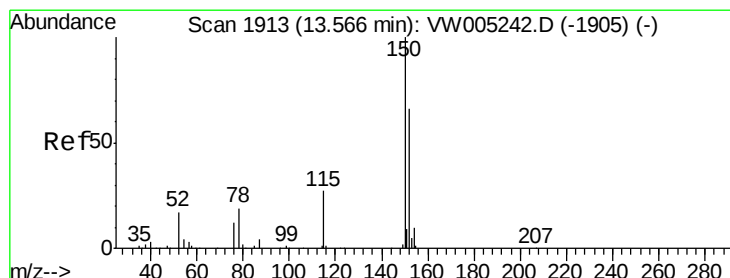
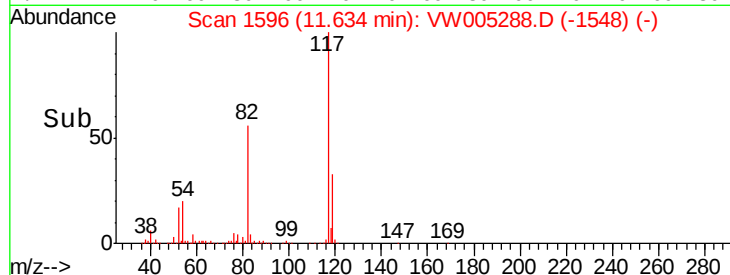
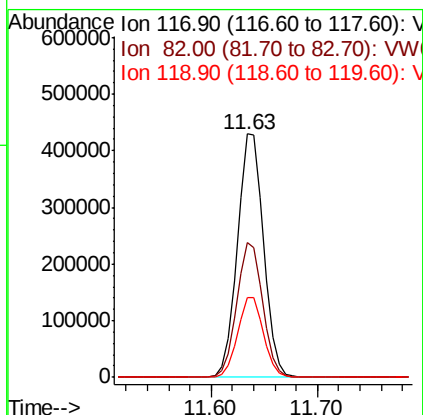
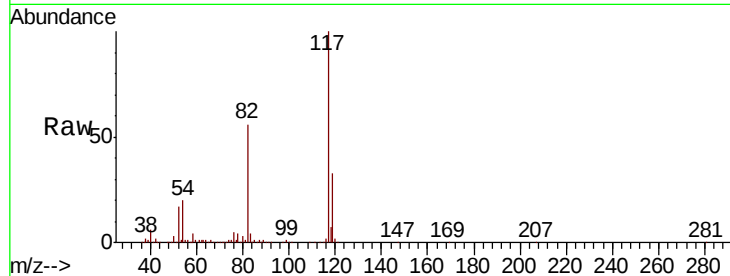




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VW005288.D
Acq: 11 Sep 2018 20:34

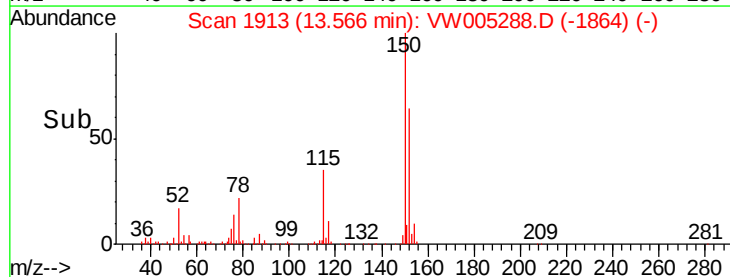
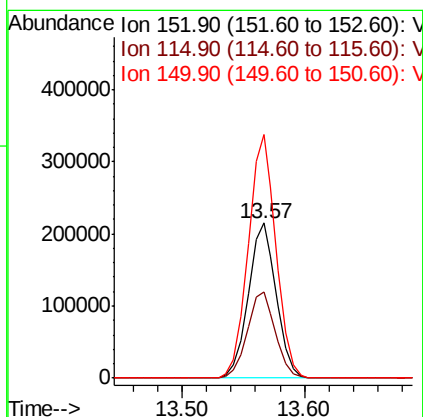
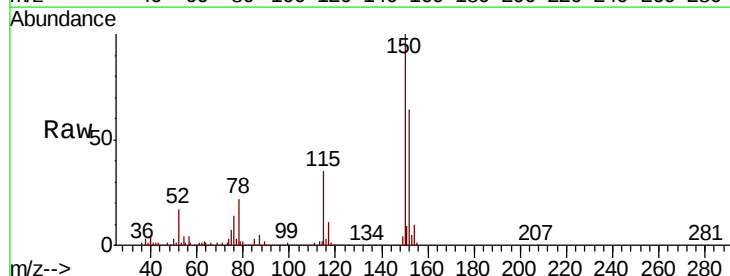
Instrument :
MSVOA_W
ClientSampleId :
HR-05-090718-A

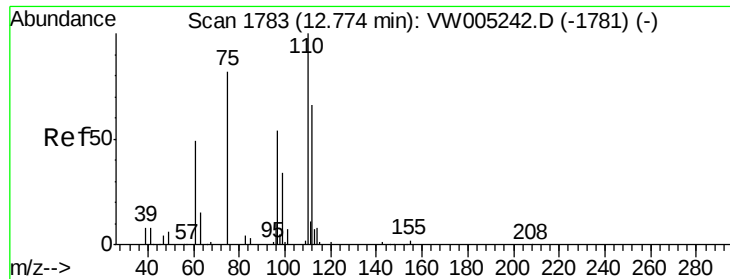
Tgt Ion:117 Resp: 742323
Ion Ratio Lower Upper
117 100
82 55.5 42.6 63.8
119 32.5 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005288.D
Acq: 11 Sep 2018 20:34

Tgt Ion:152 Resp: 339447
Ion Ratio Lower Upper
152 100
115 56.1 27.5 82.4
150 155.9 0.0 347.4

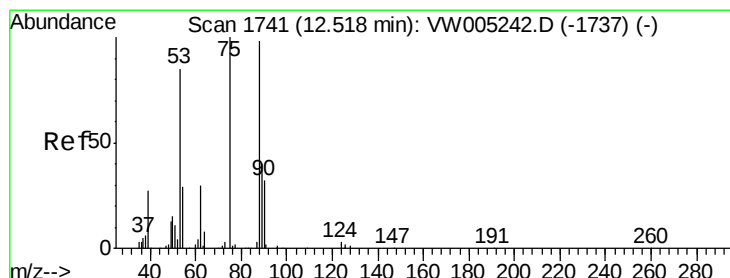
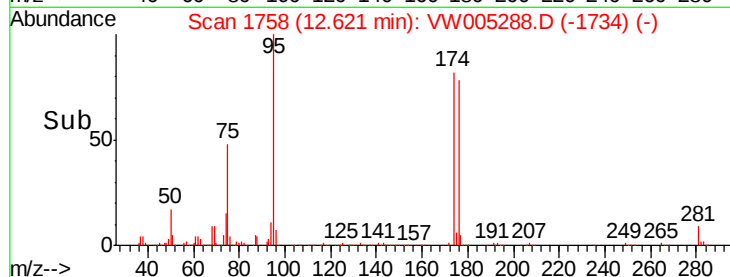
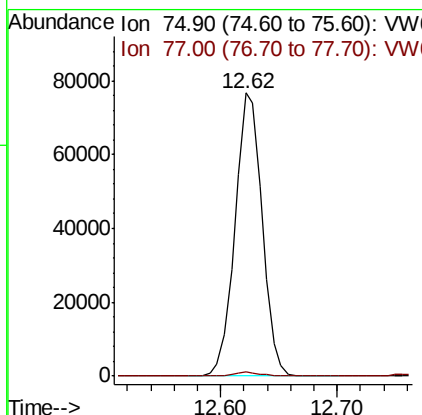
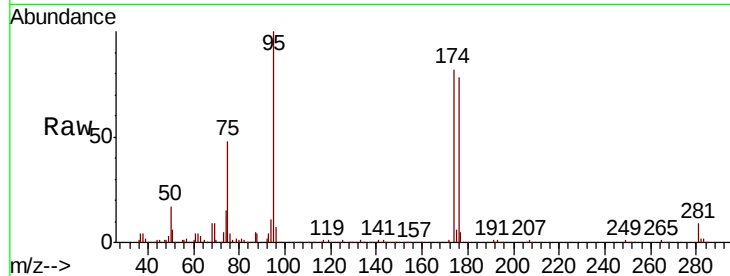




#76
 1,2,3-Trichloropropane
 Concen: 47.680 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005288.D
 Acq: 11 Sep 2018 20:34

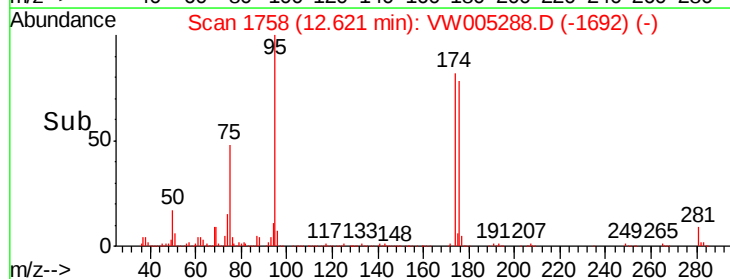
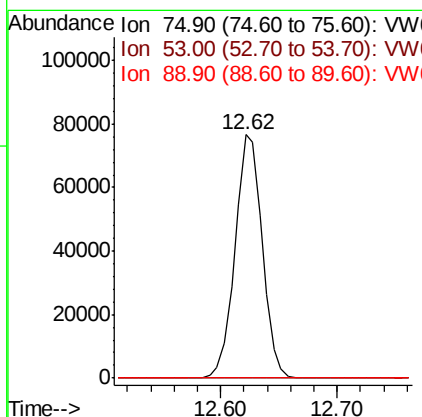
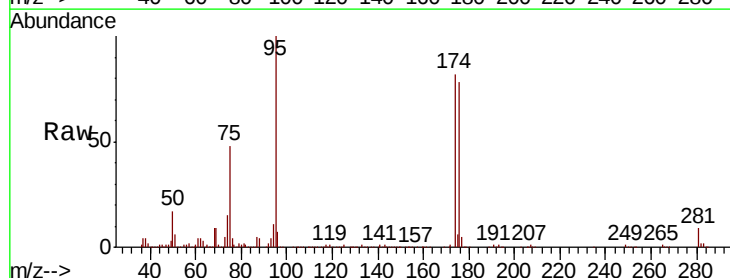
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-090718-A

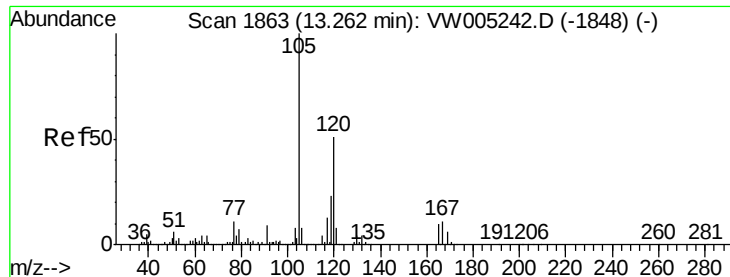
Tgt Ion: 75 Resp: 124486
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.820 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005288.D
 Acq: 11 Sep 2018 20:34

Tgt Ion: 75 Resp: 124486
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.0 100.6#
 89 0.1 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 2.417 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.01 min

Lab File: VW005288.D

Acq: 11 Sep 2018 20:34

Instrument :

MSVOA_W

ClientSampleId :

HR-05-090718-A

Tgt Ion:105 Resp: 49607

Ion Ratio Lower Upper

105 100

120 48.9 23.4 70.3

