

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
 Data File : VW005668.D
 Acq On : 26 Sep 2018 22:00
 Operator : VA/AP
 Sample : J5081-17
 Misc : 5.60G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1-S

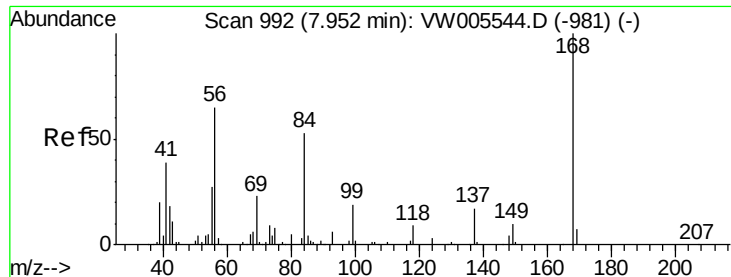
Quant Time: Sep 27 06:56:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	229753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	375472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	328785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	136470	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	170548	63.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.02%	
35) Dibromofluoromethane	7.89	113	134972	57.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.32%	
50) Toluene-d8	10.33	98	477445	49.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.63	95	147410	41.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.88%	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.01	85	38	Below Cal	#	41
11) Tert butyl alcohol	5.20	59	201	Below Cal	#	72
13) Acrolein	3.68	56	23	Below Cal	#	1
16) Acetone	4.14	43	1932	Below Cal		93
20) Methylene Chloride	4.91	84	8598	Below Cal		92
25) 2-Butanone	7.15	43	744	1.132	ug/l #	50
29) Tetrahydrofuran	7.54	42	483	1.176	ug/l #	58
31) Cyclohexane	7.95	56	4904	1.169	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17888	4.733	ug/l #	50
38) Carbon Tetrachloride	7.95	117	22582	5.575	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	2223	1.411	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	76626	65.869	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76626	148.356	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005668.D

Acq: 26 Sep 2018 22:00

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MSVOA_W

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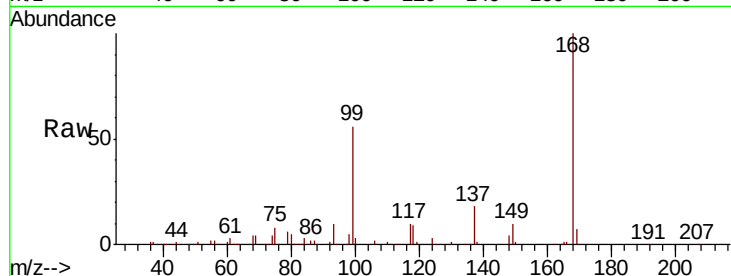
TP-1-S

Tgt Ion:168 Resp: 229753

Ion Ratio Lower Upper

168 100

99 56.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

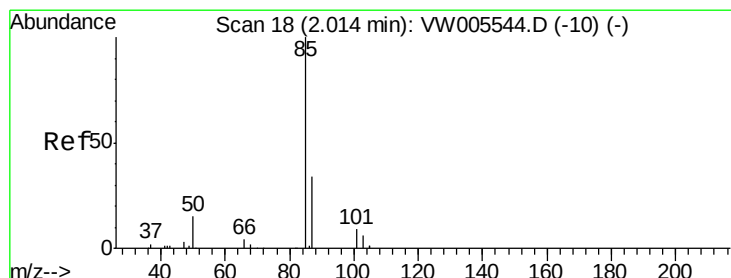
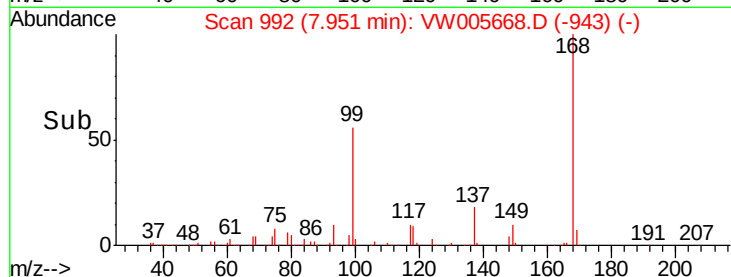
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005668.D

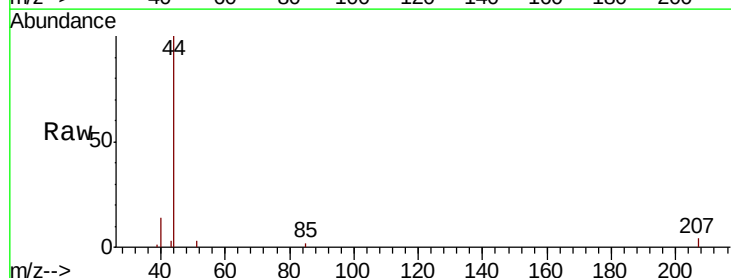
Acq: 26 Sep 2018 22:00

Tgt Ion: 85 Resp: 38

Ion Ratio Lower Upper

85 100

87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

120

100

80

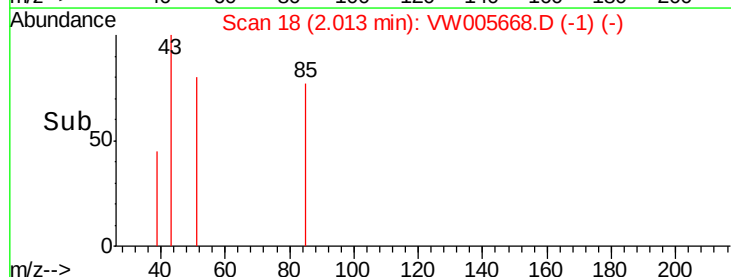
60

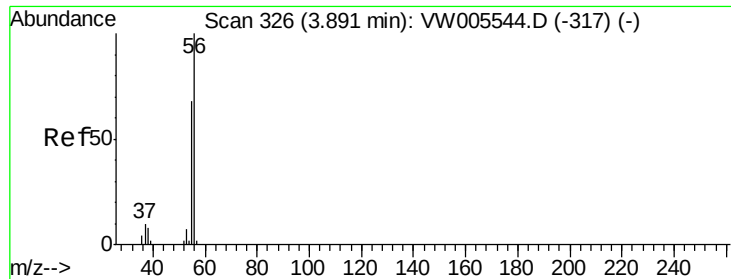
40

20

0

Time--> 1.99 2.00 2.01 2.02 2.03

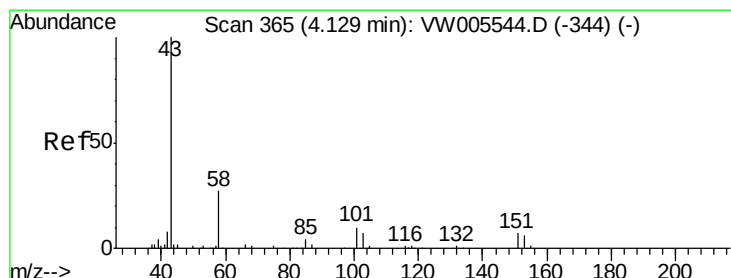
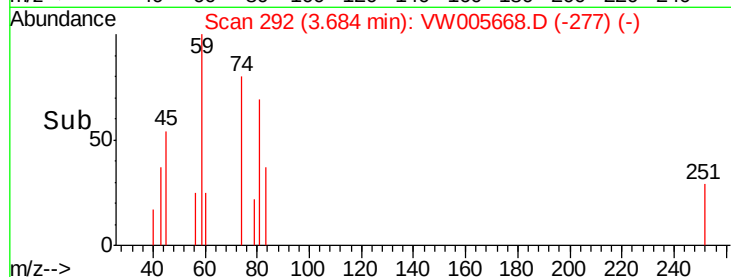
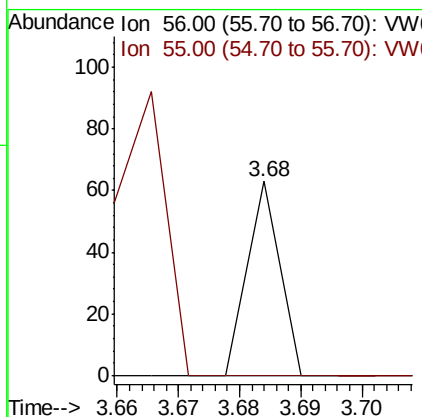
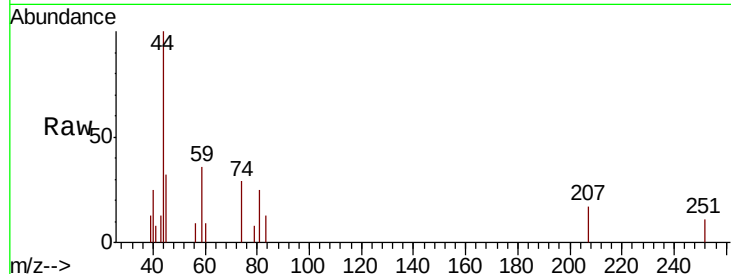




#13
Acrolein
Concen: Below Cal
RT: 3.68 min Scan# 292
Delta R.T. -0.21 min
Lab File: VW005668.D
Acq: 26 Sep 2018 22:00

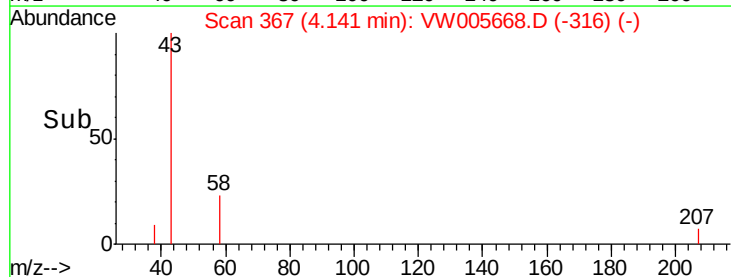
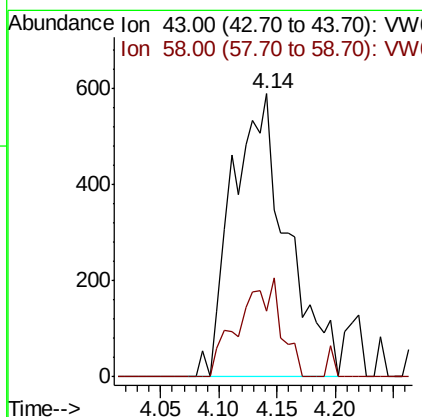
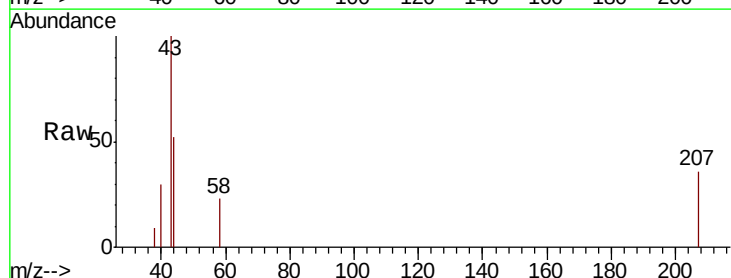
Instrument :
MSVOA_W
ClientSampleId :
TP-1-S

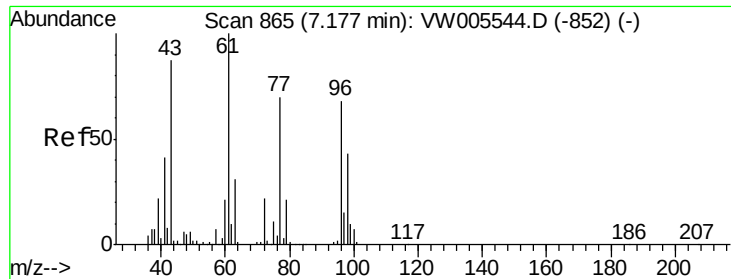
Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 234.8 57.8 86.8#



#16
Acetone
Concen: Below Cal
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW005668.D
Acq: 26 Sep 2018 22:00

Tgt Ion: 43 Resp: 1932
Ion Ratio Lower Upper
43 100
58 23.4 21.8 32.8

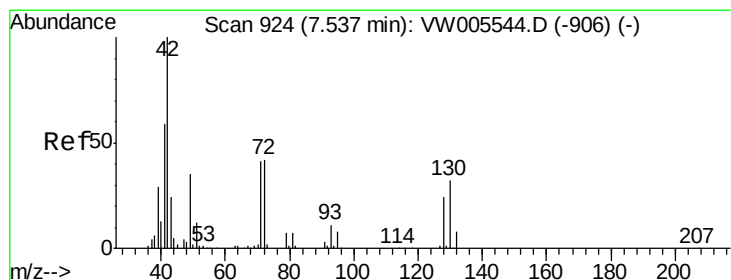
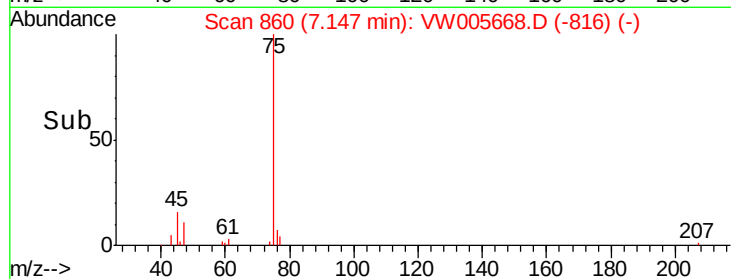
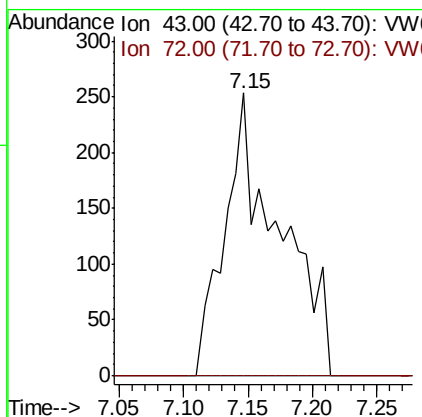
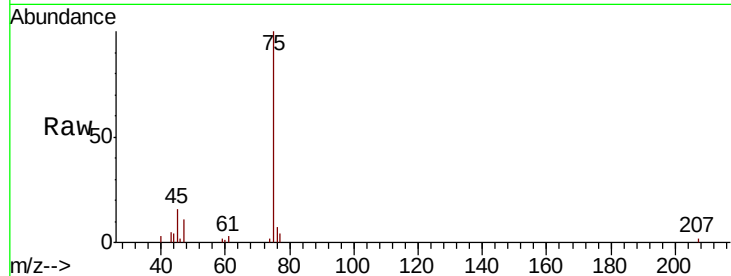




#25
2-Butanone
Concen: 1.132 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.03 min
Lab File: VW005668.D
Acq: 26 Sep 2018 22:00

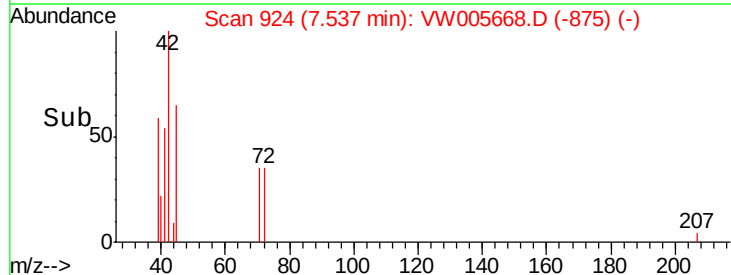
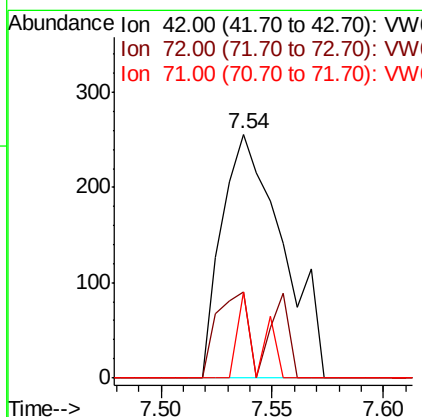
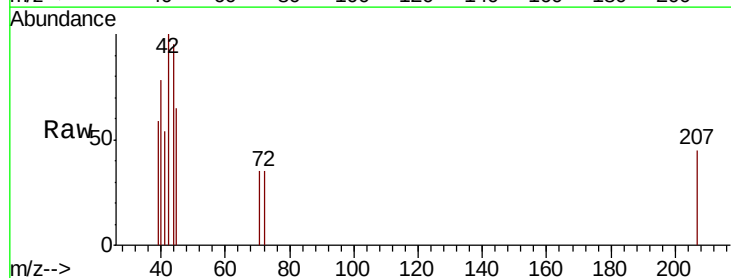
Instrument :
MSVOA_W
ClientSampled :
TP-1-S

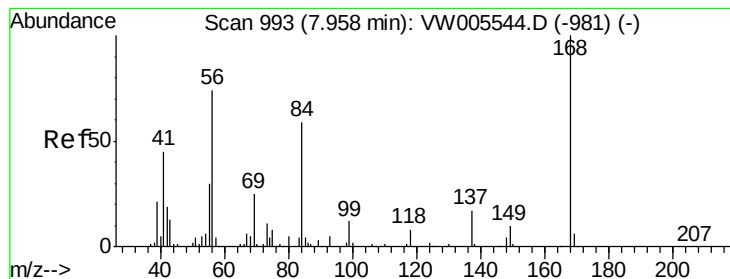
Tgt Ion: 43 Resp: 744
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#29
Tetrahydrofuran
Concen: 1.176 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005668.D
Acq: 26 Sep 2018 22:00

Tgt Ion: 42 Resp: 483
Ion Ratio Lower Upper
42 100
72 18.0 33.6 50.4#
71 11.8 31.8 47.6#





#31

Cyclohexane

Concen: 1.169 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005668.D

Acq: 26 Sep 2018 22:00

Instrument :

MSVOA_W

ClientSampleId :

TP-1-S

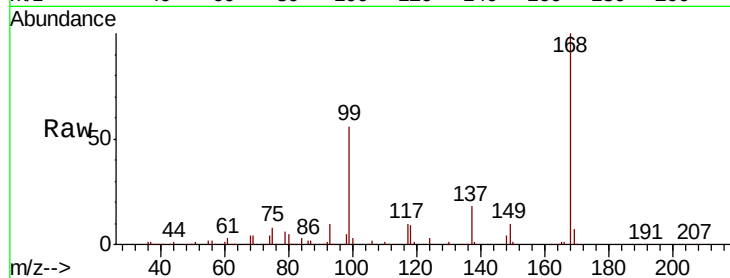
Tgt Ion: 56 Resp: 4904

Ion Ratio Lower Upper

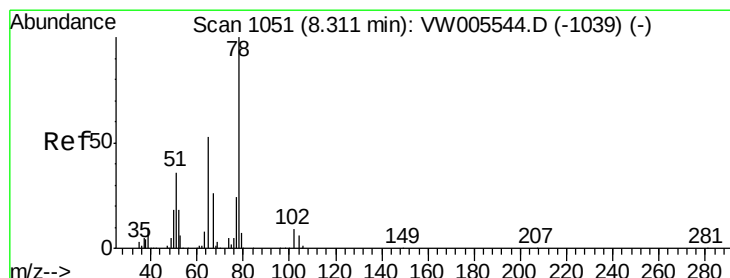
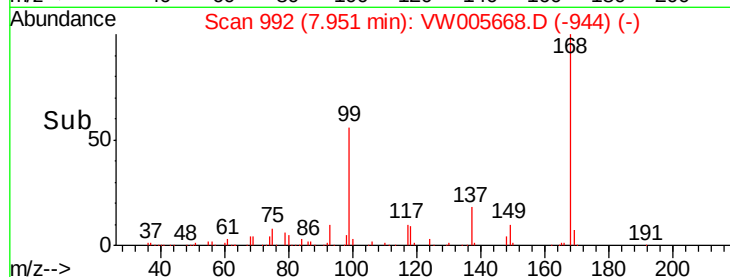
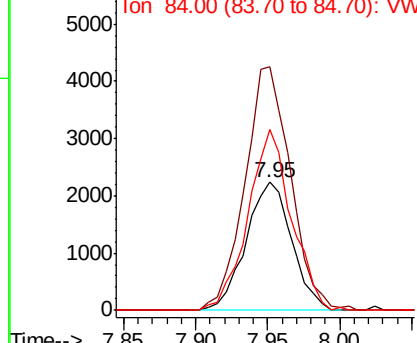
56 100

69 189.8 27.0 40.4#

84 141.1 64.2 96.4#



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: 63.011 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005668.D

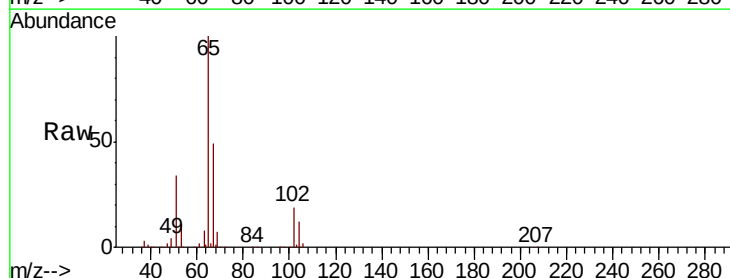
Acq: 26 Sep 2018 22:00

Tgt Ion: 65 Resp: 170548

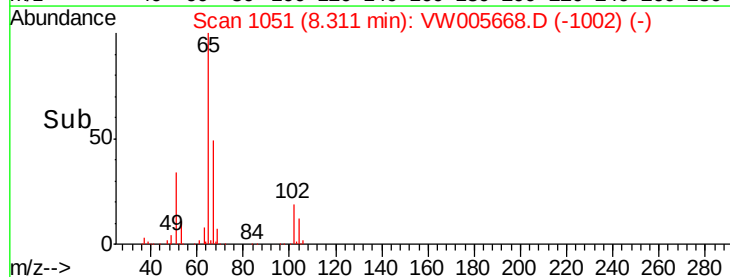
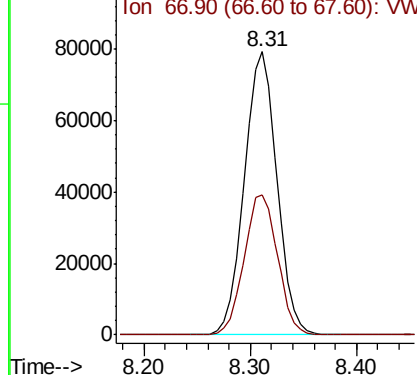
Ion Ratio Lower Upper

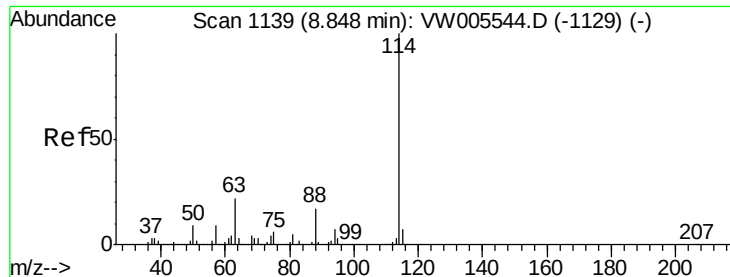
65 100

67 50.9 0.0 100.6



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

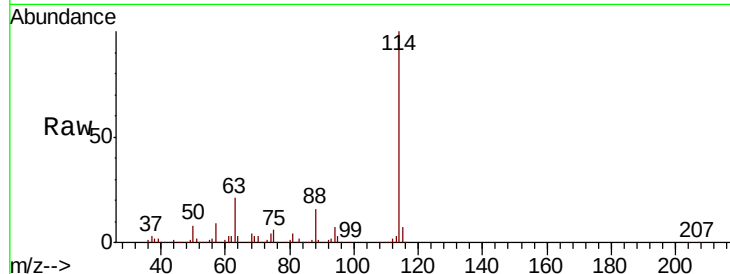




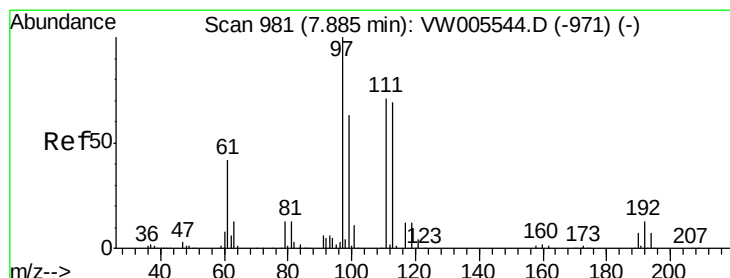
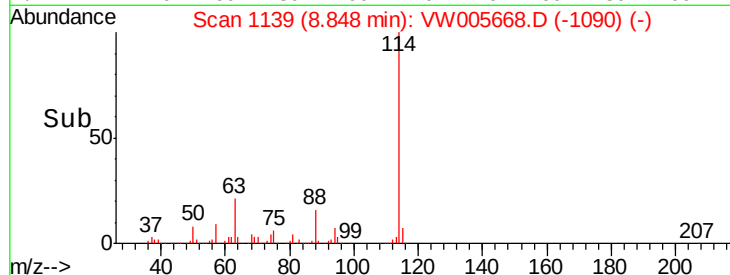
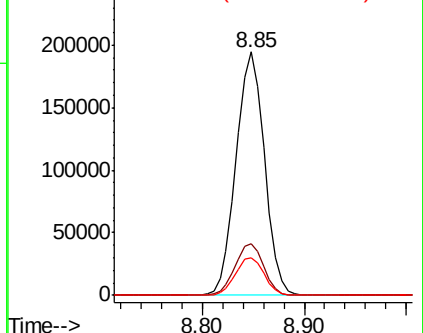
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005668.D
 Acq: 26 Sep 2018 22:00

Instrument :
 MSVOA_W
 ClientSampled :
 TP-1-S

Tgt Ion:114 Resp: 375472
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.0
 88 15.6 0.0 33.0

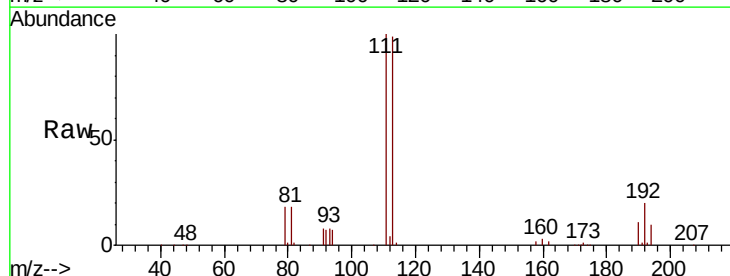


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

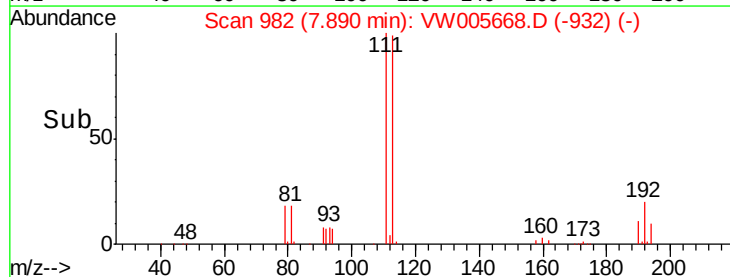
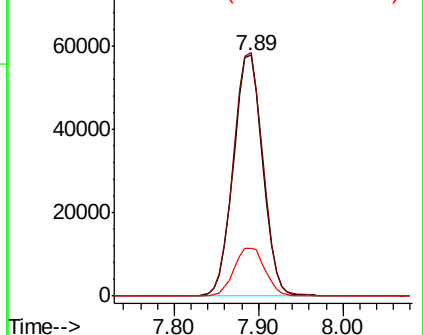


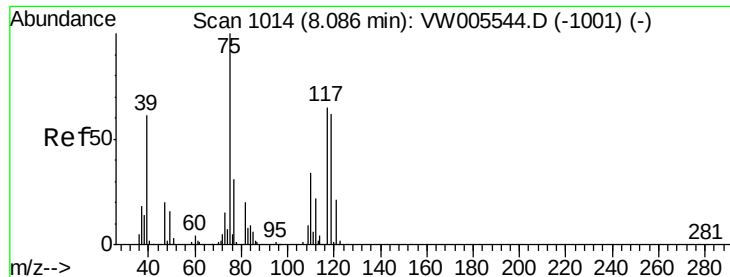
#35
 Dibromofluoromethane
 Concen: 57.163 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005668.D
 Acq: 26 Sep 2018 22:00

Tgt Ion:113 Resp: 134972
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.6 123.8
 192 21.1 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

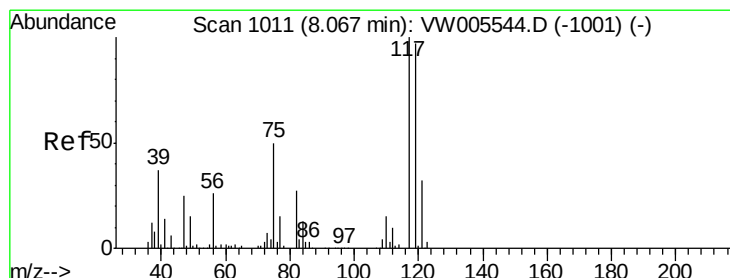
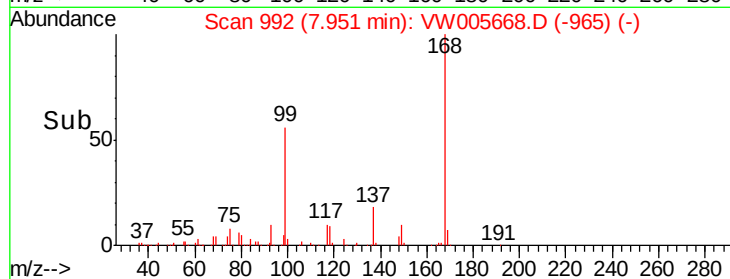
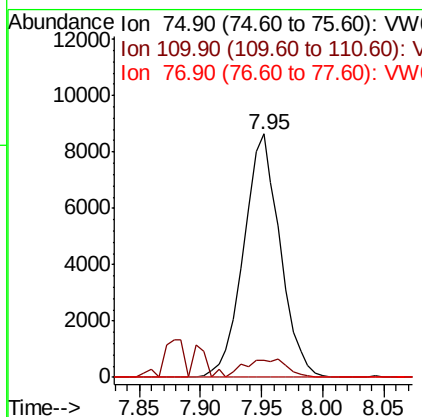
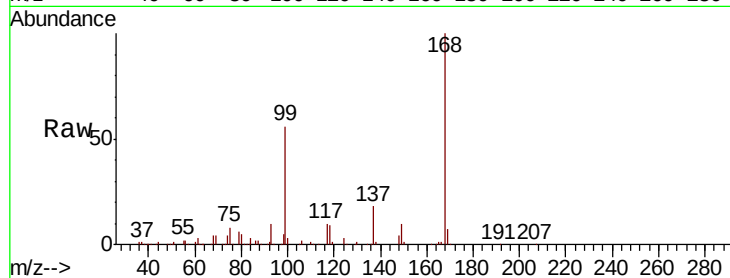




#36
 1,1-Dichloropropene
 Concen: 4.733 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005668.D
 Acq: 26 Sep 2018 22:00

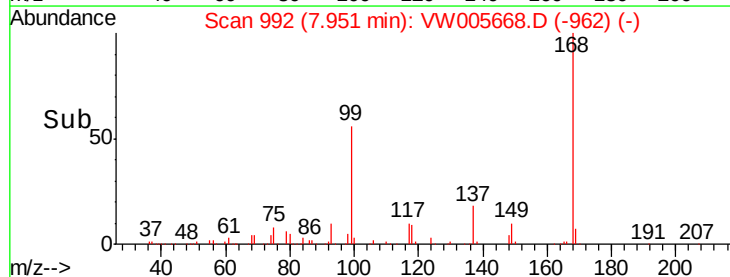
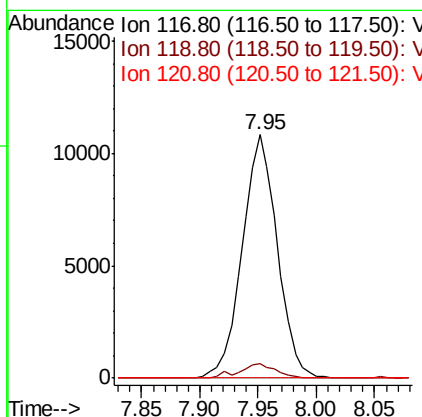
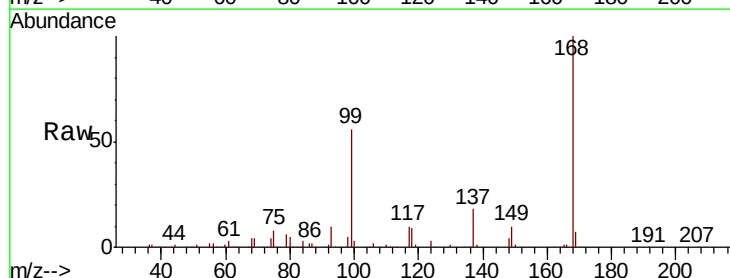
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1-S

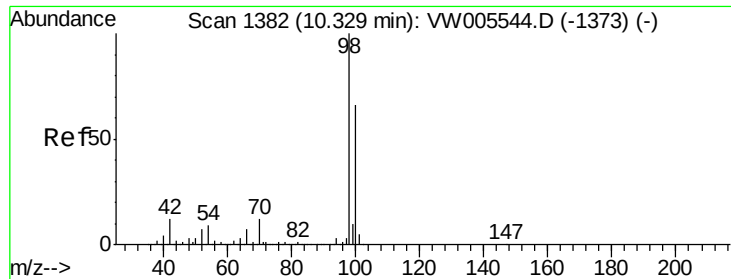
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.0	50.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.575 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005668.D
 Acq: 26 Sep 2018 22:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	77.6	116.4#
121	0.0	25.7	38.5#





#50

Toluene-d8

Concen: 49.660 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005668.D

Acq: 26 Sep 2018 22:00

Instrument :

MSVOA_W

ClientSampleId :

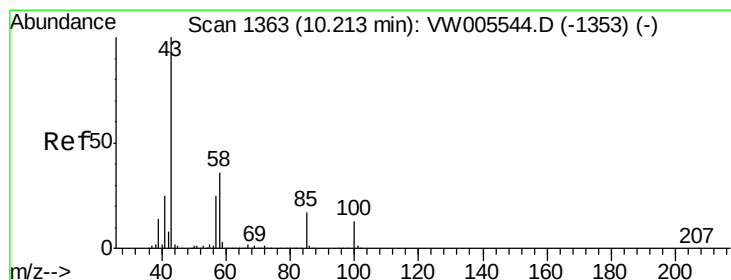
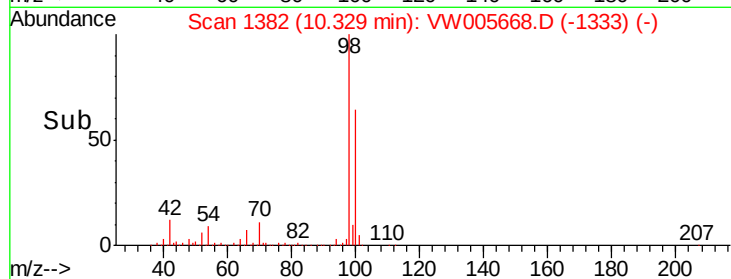
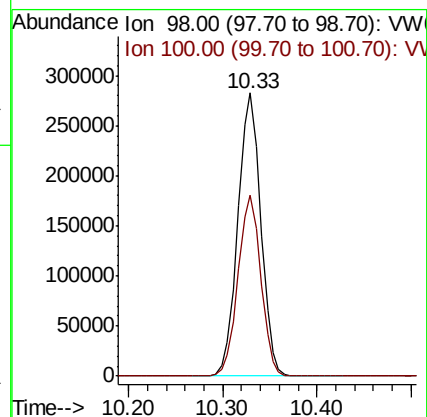
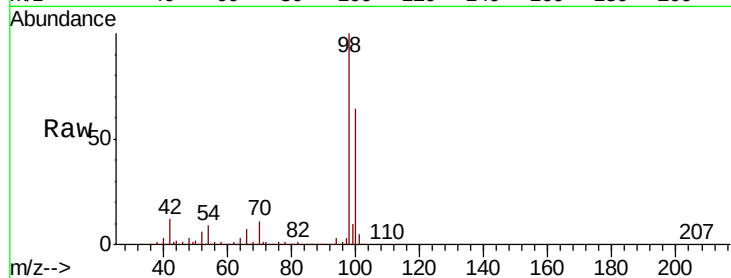
TP-1-S

Tgt Ion: 98 Resp: 477445

Ion Ratio Lower Upper

98 100

100 63.7 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.411 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW005668.D

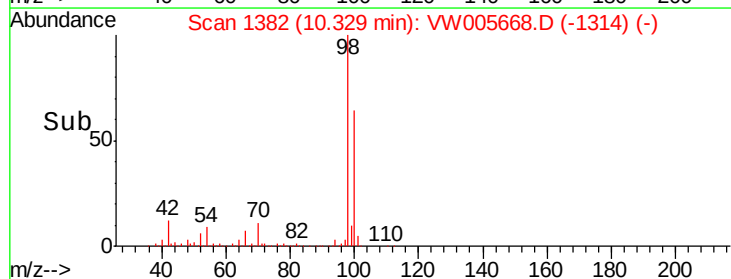
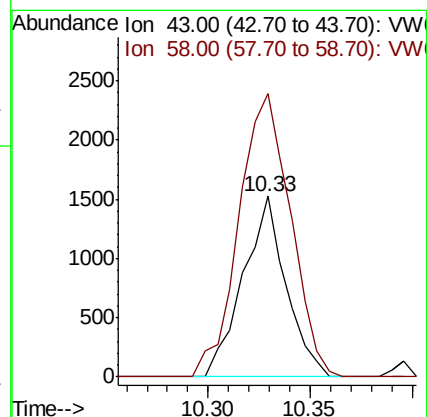
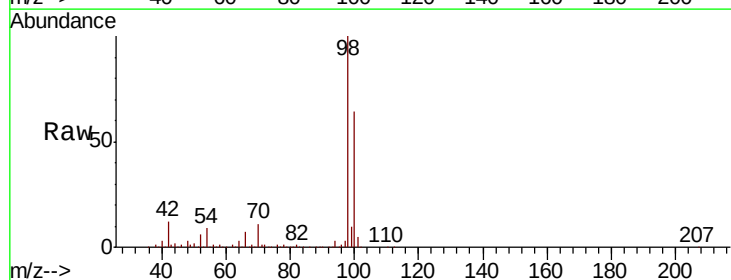
Acq: 26 Sep 2018 22:00

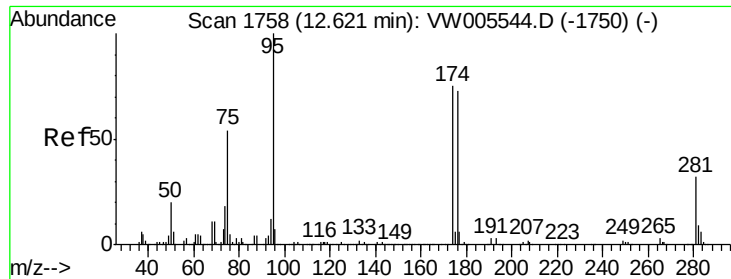
Tgt Ion: 43 Resp: 2223

Ion Ratio Lower Upper

43 100

58 188.8 30.0 45.0#

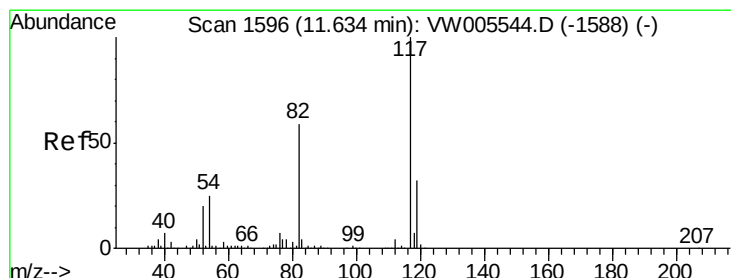
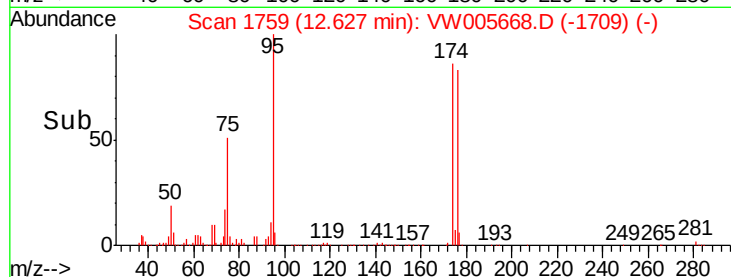
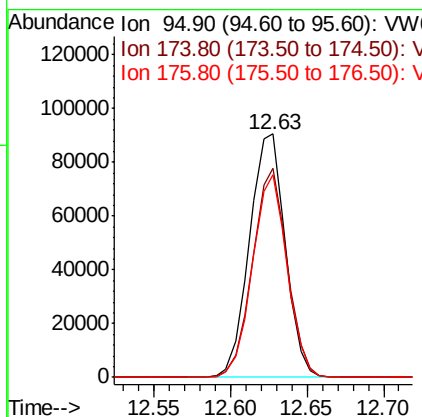
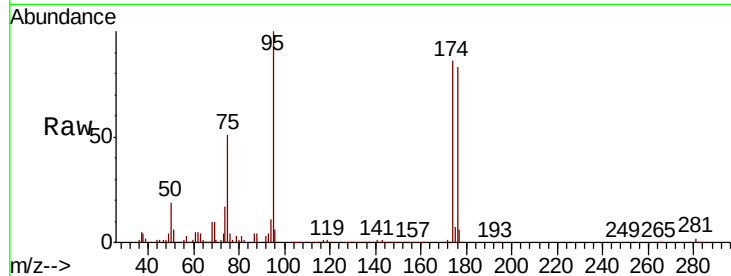




#62
4-Bromofluorobenzene
Concen: 41.436 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005668.D
Acq: 26 Sep 2018 22:00

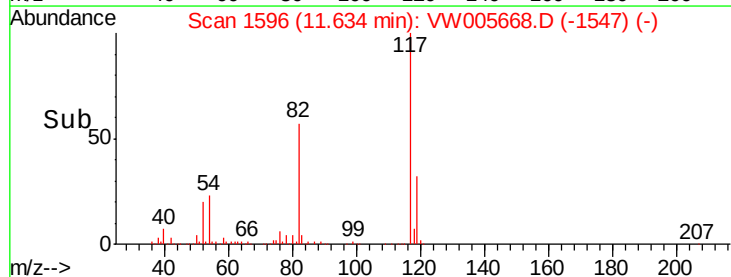
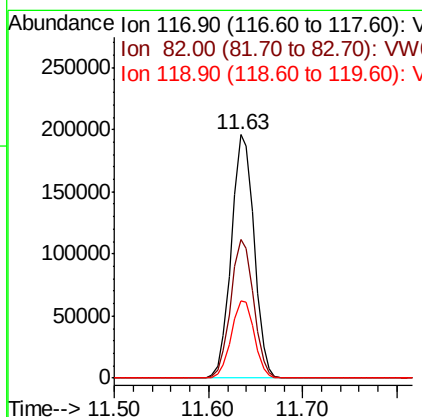
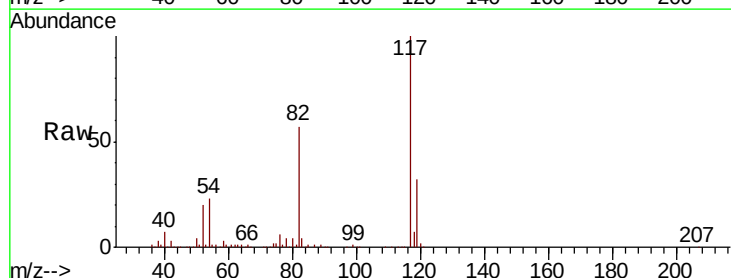
Instrument :
MSVOA_W
ClientSampleId :
TP-1-S

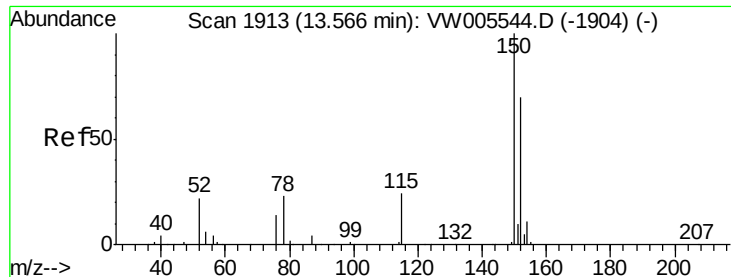
Tgt Ion: 95 Resp: 147410
Ion Ratio Lower Upper
95 100
174 83.6 0.0 163.8
176 80.7 0.0 158.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005668.D
Acq: 26 Sep 2018 22:00

Tgt Ion: 117 Resp: 328785
Ion Ratio Lower Upper
117 100
82 56.8 46.9 70.3
119 31.9 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005668.D

Acq: 26 Sep 2018 22:00

Instrument :

MSVOA_W

ClientSampleId :

TP-1-S

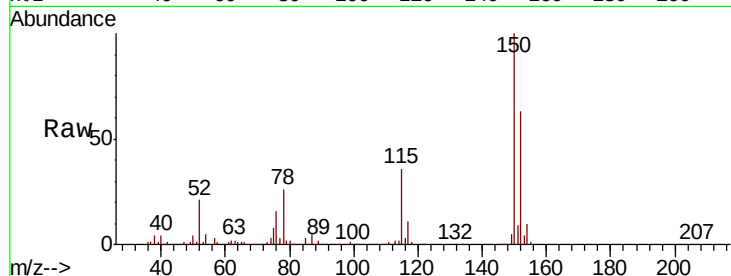
Tgt Ion:152 Resp: 136470

Ion Ratio Lower Upper

152 100

115 58.2 30.0 90.0

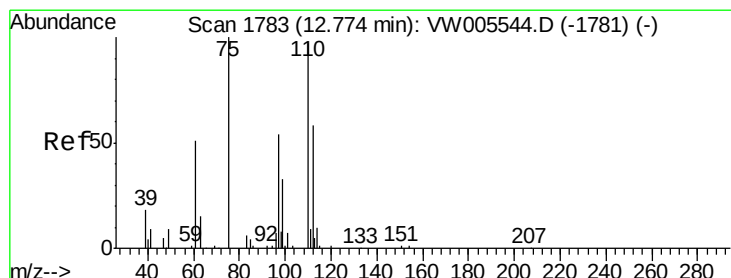
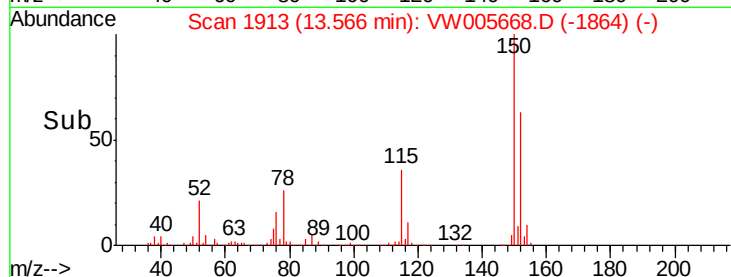
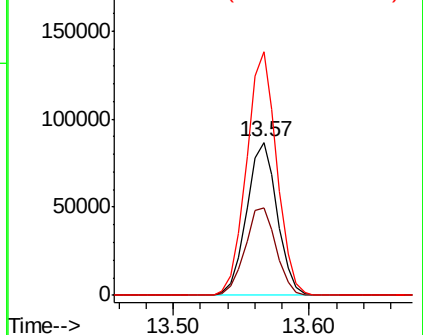
150 157.7 0.0 348.6



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: 65.869 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005668.D

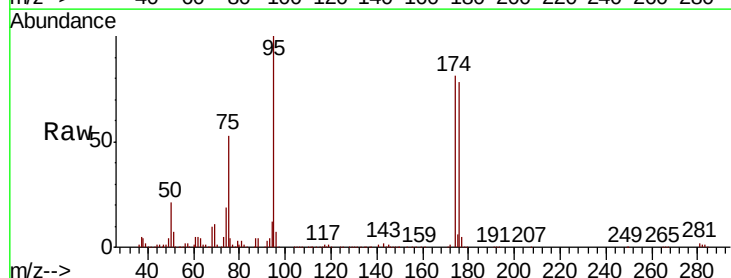
Acq: 26 Sep 2018 22:00

Tgt Ion: 75 Resp: 76626

Ion Ratio Lower Upper

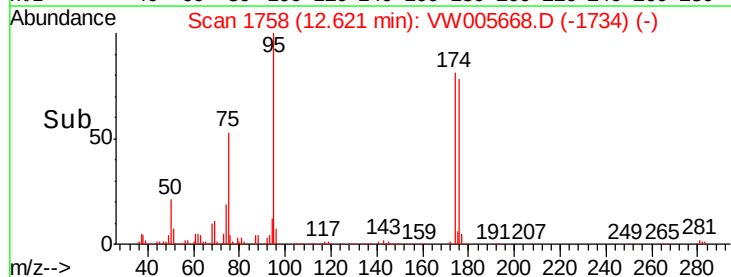
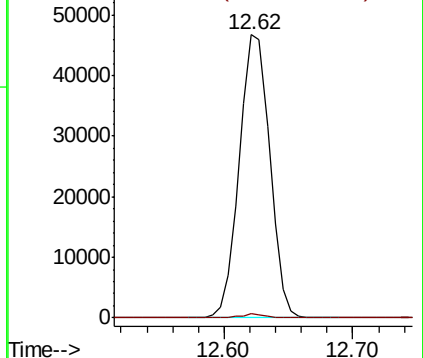
75 100

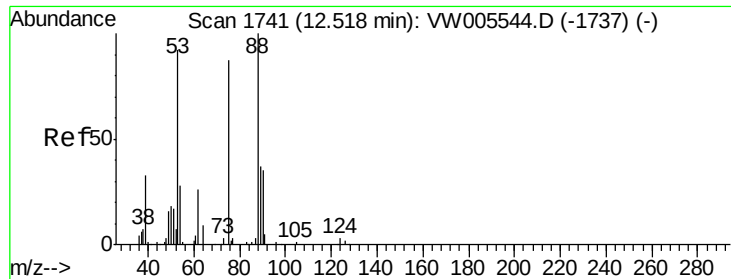
77 1.2 0.0 0.0#



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: 148.356 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005668.D

Acq: 26 Sep 2018 22:00

Instrument :

MSVOA_W

ClientSampleId :

TP-1-S

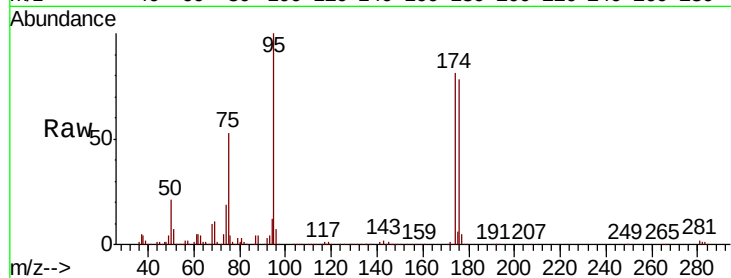
Tgt Ion: 75 Resp: 76626

Ion Ratio Lower Upper

75 100

53 0.2 85.8 128.6#

89 0.1 37.3 55.9#



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

