

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
 Data File : VW005675.D
 Acq On : 27 Sep 2018 01:01
 Operator : VA/AP
 Sample : J5097-03
 Misc : 4.92G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2

Quant Time: Sep 27 06:58:10 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	263382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	440837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	438403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	212485	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	180990	58.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.66%	
35) Dibromofluoromethane	7.89	113	147120	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
50) Toluene-d8	10.33	98	605232	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
62) 4-Bromofluorobenzene	12.62	95	216197	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

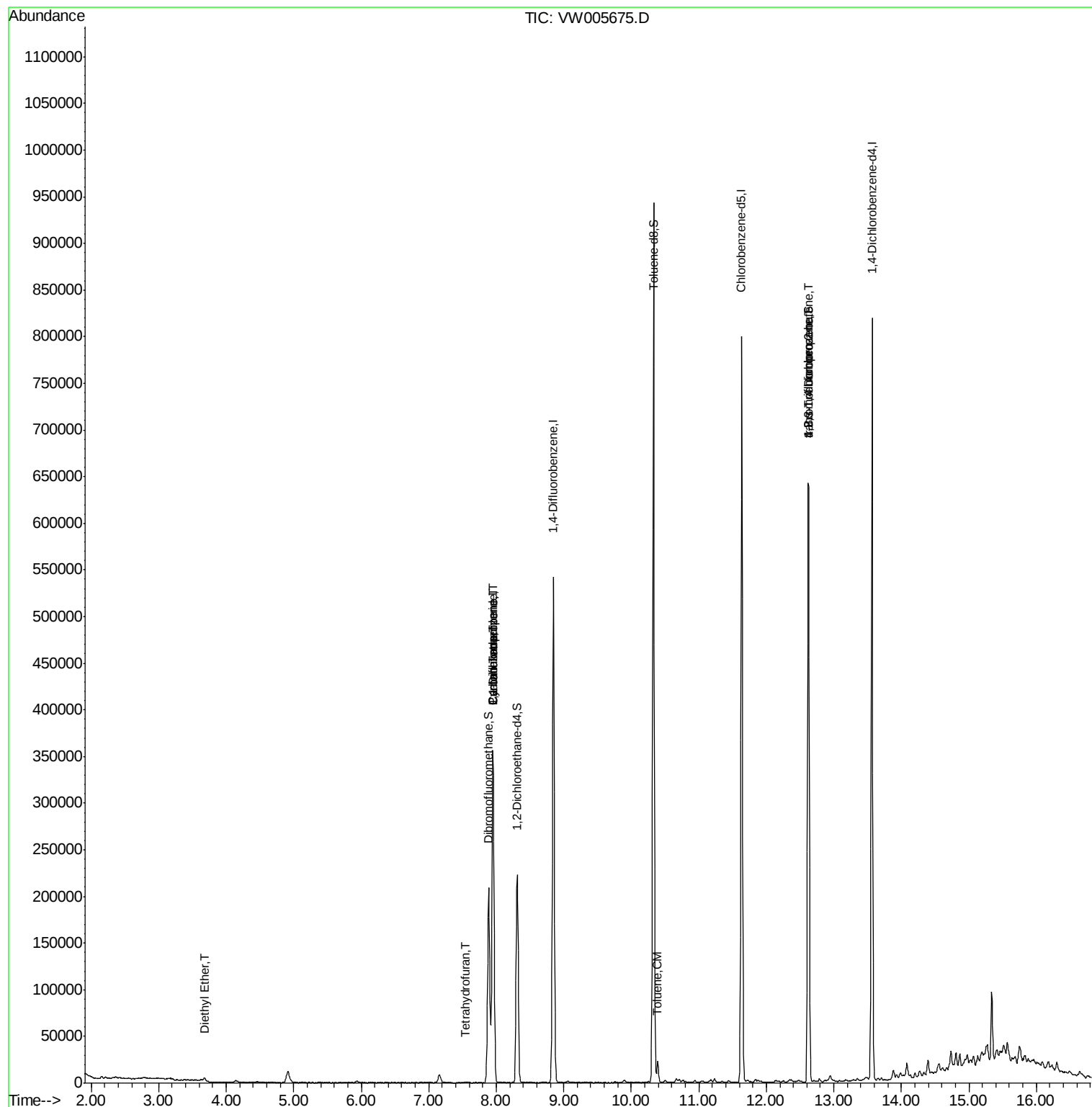
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	25	Below Cal	#	41
8) Diethyl Ether	3.68	74	2066	1.598	ug/l	84
11) Tert butyl alcohol	5.24	59	194	Below Cal	#	72
13) Acrolein	3.72	56	53	Below Cal	#	74
16) Acetone	4.14	43	3800	Below Cal	#	88
20) Methylene Chloride	4.91	84	9434	Below Cal		96
29) Tetrahydrofuran	7.54	42	538	1.143	ug/l #	48
31) Cyclohexane	7.95	56	6015	1.250	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21221	4.782	ug/l #	49
38) Carbon Tetrachloride	7.95	117	25979	5.463	ug/l #	16
52) Toluene	10.39	92	8870	1.131	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	110368	60.933	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	110368	137.240	ug/l #	7

(#) = 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. -0.00 min

Lab File: VW005675.D

Acq: 27 Sep 2018 01:01

Instrument :

MSVOA_W

ClientSampled :

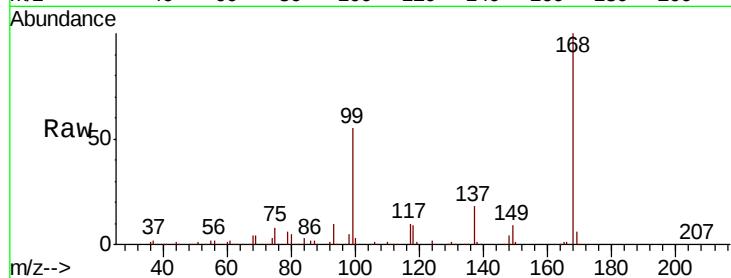
TP-2

Tgt Ion:168 Resp: 263382

Ion Ratio Lower Upper

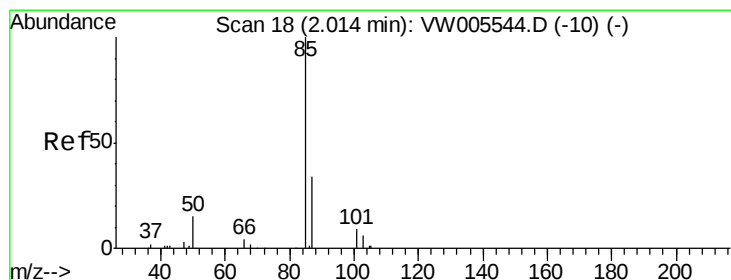
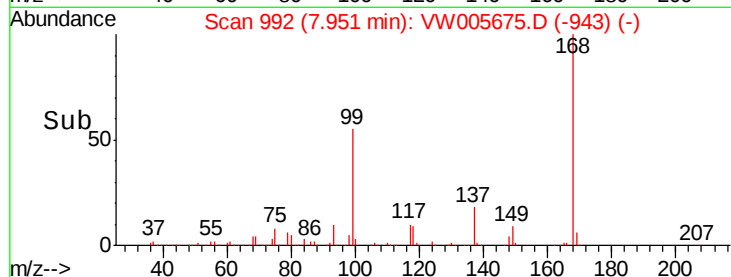
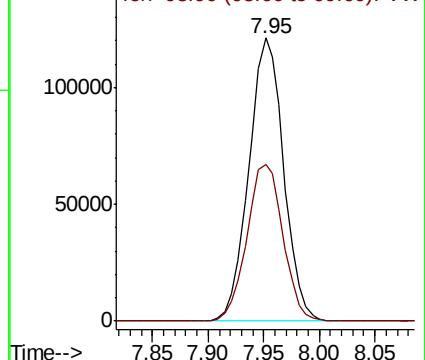
168 100

99 55.5 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW005675.D

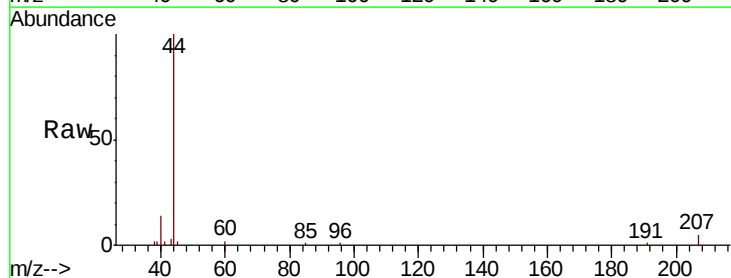
Acq: 27 Sep 2018 01:01

Tgt Ion: 85 Resp: 25

Ion Ratio Lower Upper

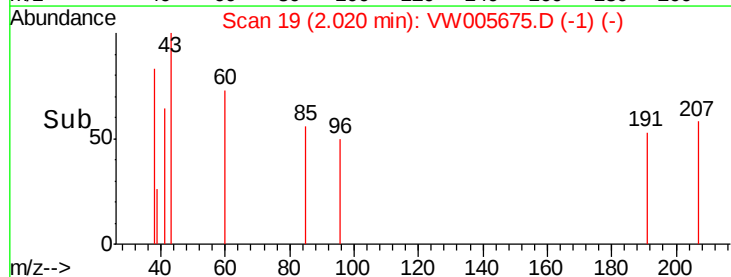
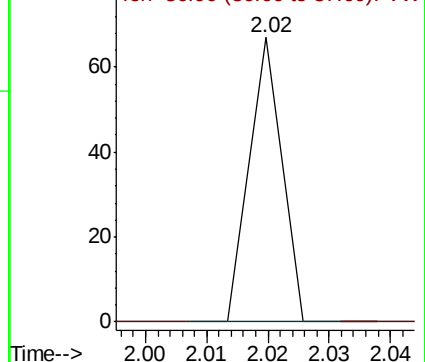
85 100

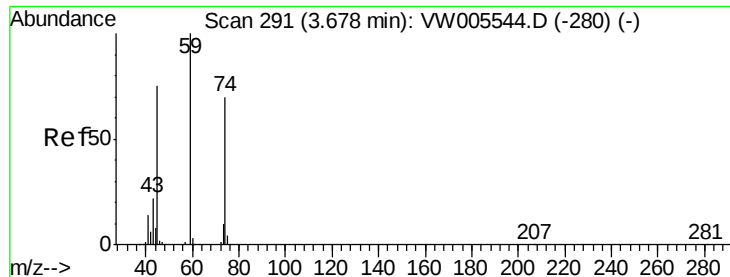
87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#8

Diethyl Ether

Concen: 1.598 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW005675.D

Acq: 27 Sep 2018 01:01

Instrument :

MSVOA_W

ClientSampleId :

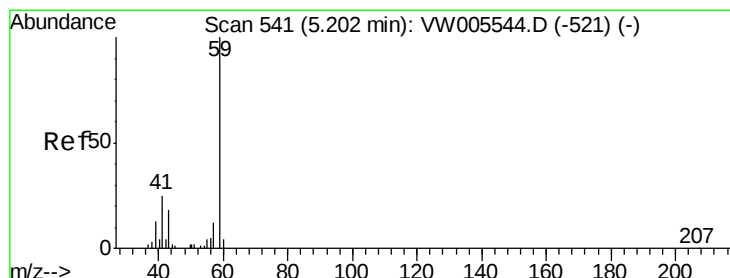
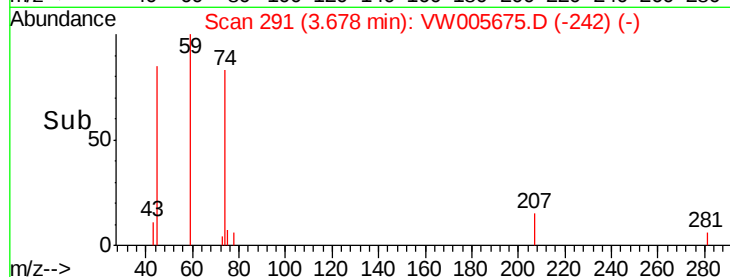
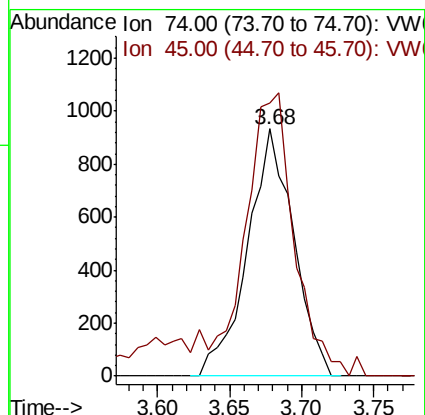
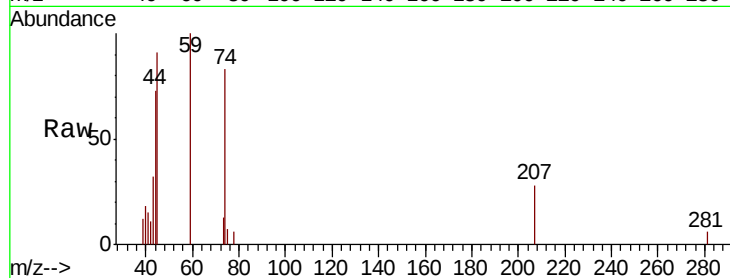
TP-2

Tgt Ion: 74 Resp: 2066

Ion Ratio Lower Upper

74 100

45 119.5 51.7 155.2



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 547

Delta R.T. 0.04 min

Lab File: VW005675.D

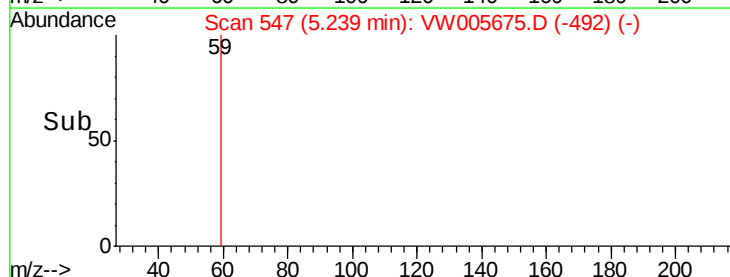
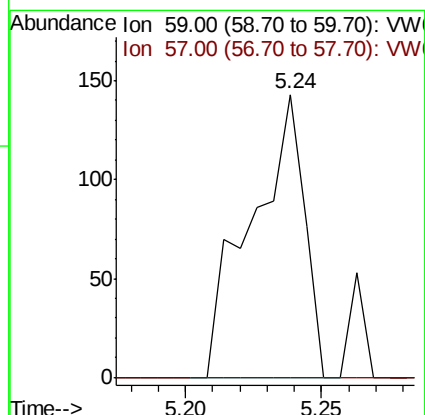
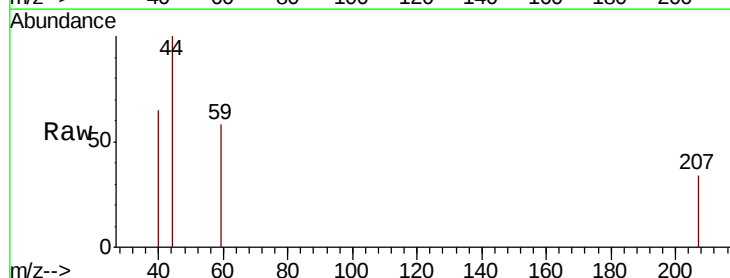
Acq: 27 Sep 2018 01:01

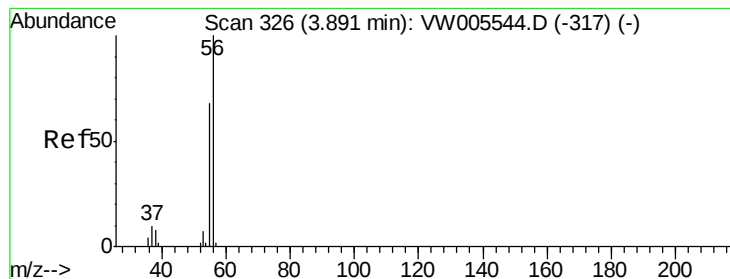
Tgt Ion: 59 Resp: 194

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#13

Acrolein

Concen: Below Cal

RT: 3.72 min Scan# 298

Delta R.T. -0.17 min

Lab File: VW005675.D

Acq: 27 Sep 2018 01:01

Instrument :

MSVOA_W

ClientSampleId :

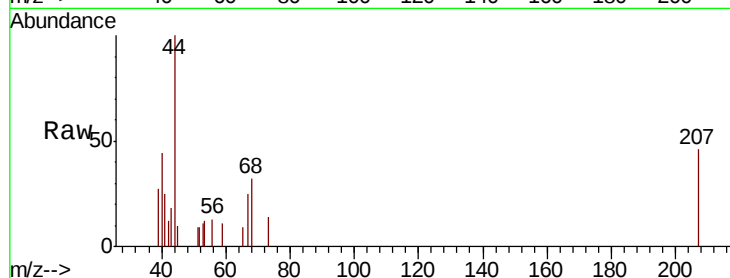
TP-2

Tgt Ion: 56 Resp: 53

Ion Ratio Lower Upper

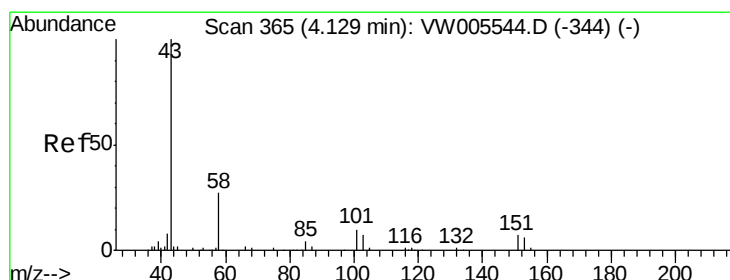
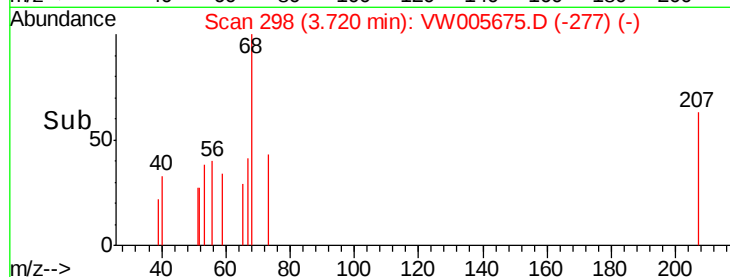
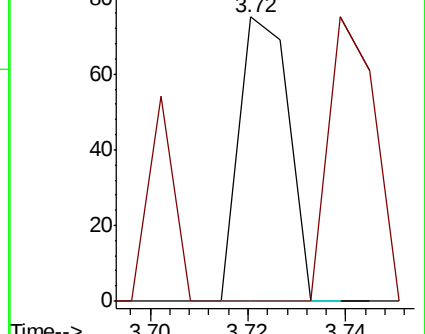
56 100

55 94.3 57.8 86.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005675.D

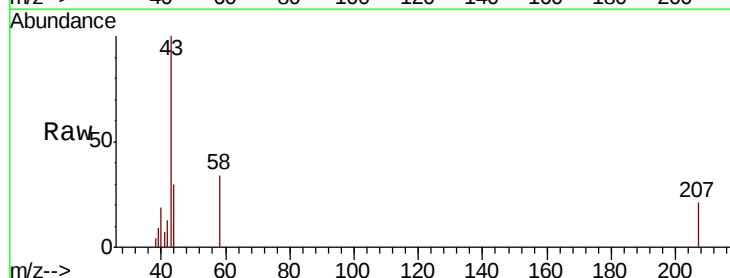
Acq: 27 Sep 2018 01:01

Tgt Ion: 43 Resp: 3800

Ion Ratio Lower Upper

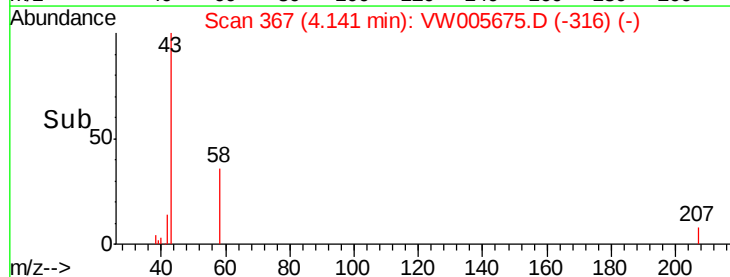
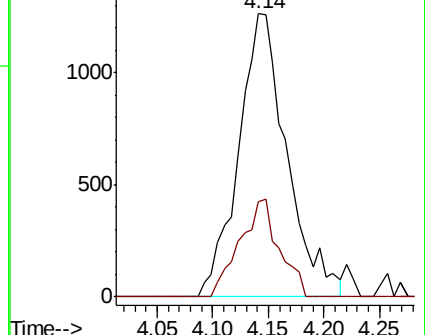
43 100

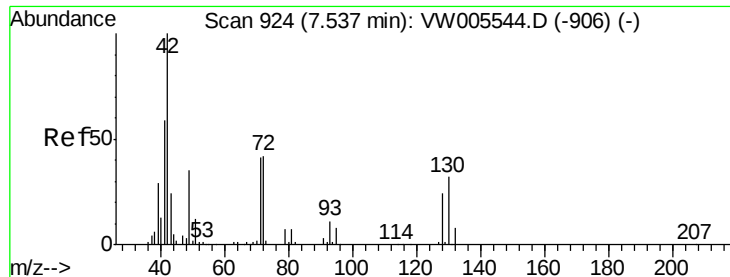
58 33.7 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#29

Tetrahydrofuran

Concen: 1.143 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005675.D

Acq: 27 Sep 2018 01:01

Instrument :

MSVOA_W

ClientSampleId :

TP-2

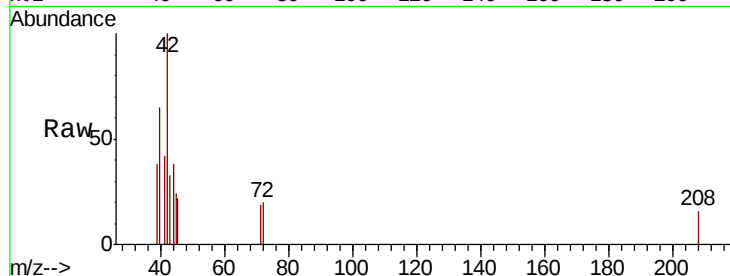
Tgt Ion: 42 Resp: 538

Ion Ratio Lower Upper

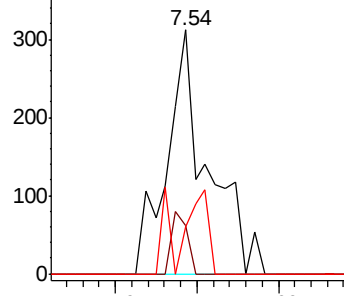
42 100

72 9.7 33.6 50.4#

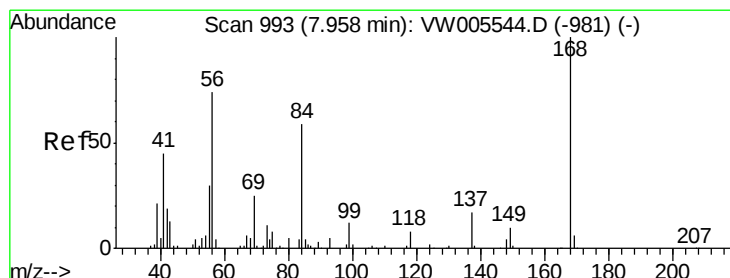
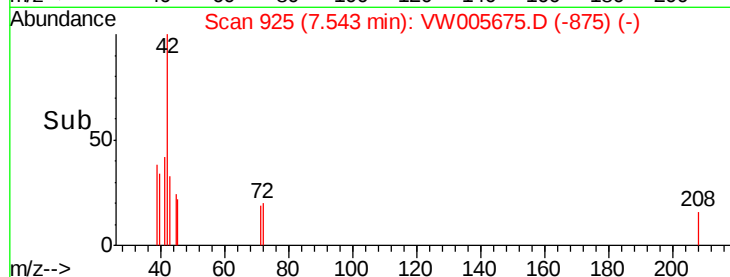
71 7.6 31.8 47.6#



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



Time-->



#31

Cyclohexane

Concen: 1.250 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005675.D

Acq: 27 Sep 2018 01:01

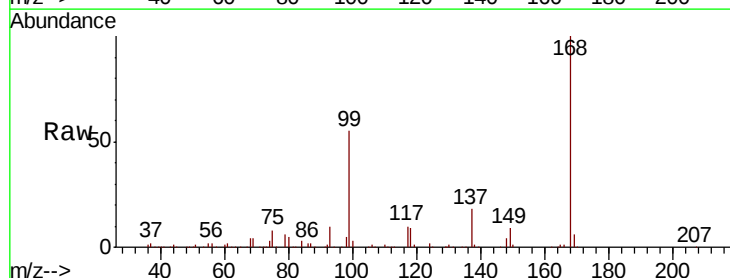
Tgt Ion: 56 Resp: 6015

Ion Ratio Lower Upper

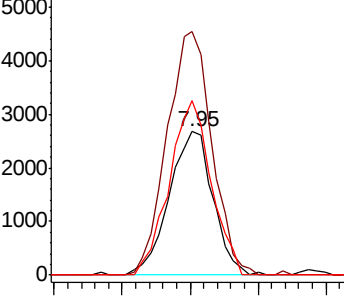
56 100

69 169.8 27.0 40.4#

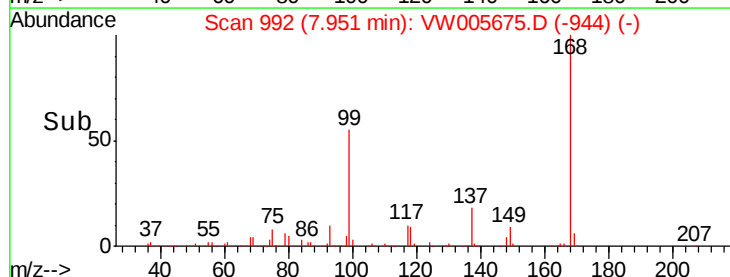
84 121.8 64.2 96.4#

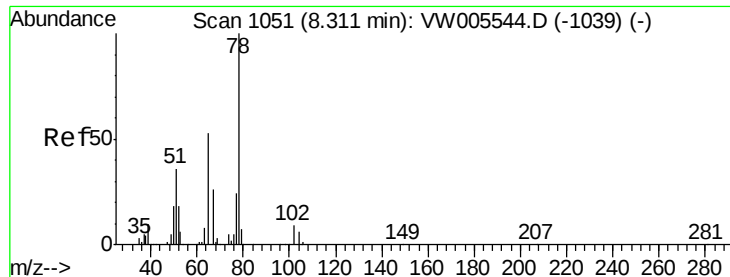


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



Time-->

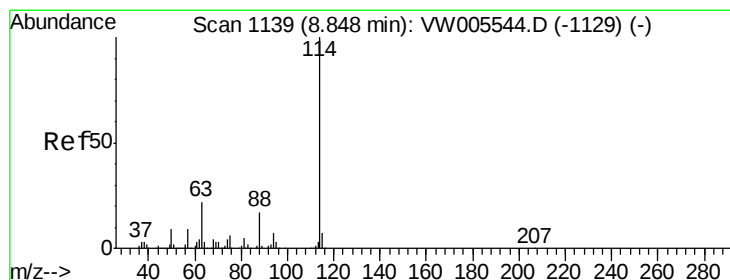
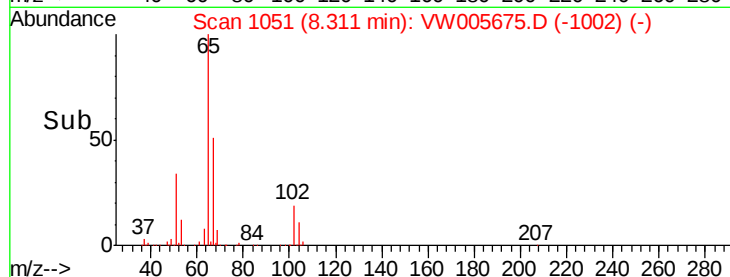
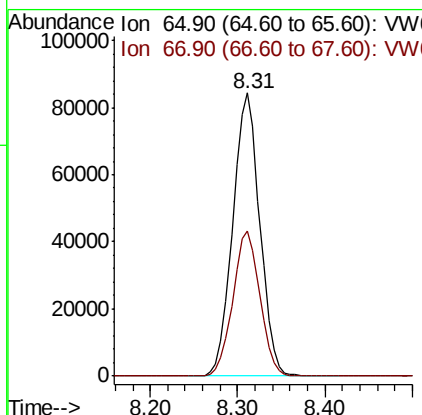
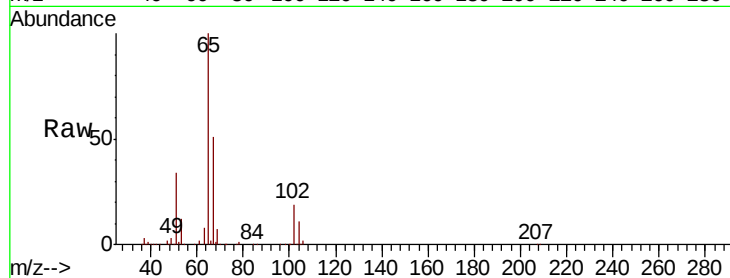




#33
 1,2-Dichloroethane-d4
 Concen: 58.331 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005675.D
 Acq: 27 Sep 2018 01:01

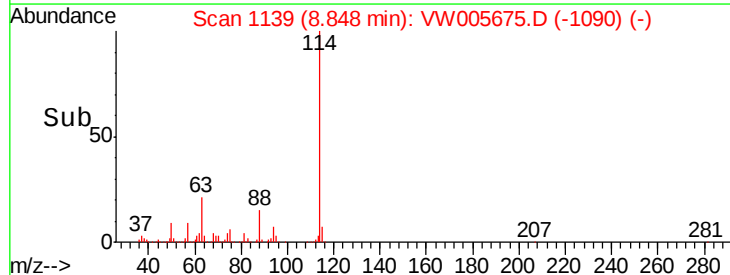
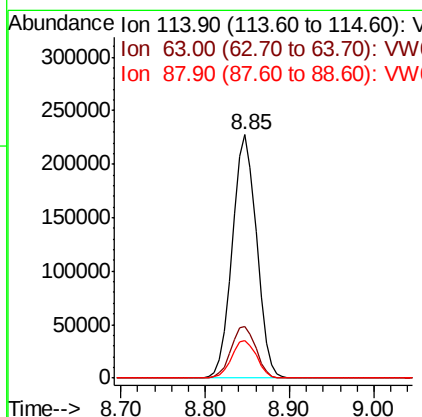
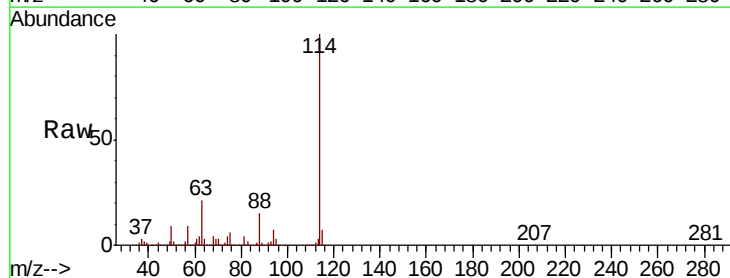
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2

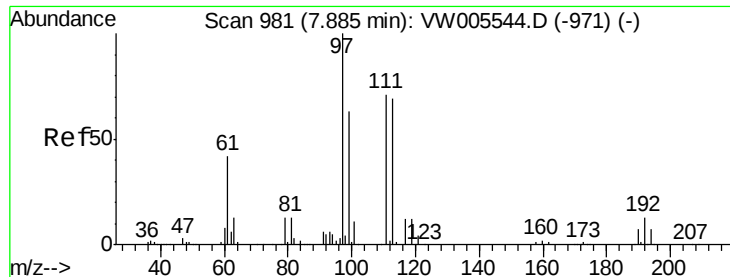
Tgt Ion: 65 Resp: 180990
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005675.D
 Acq: 27 Sep 2018 01:01

Tgt Ion: 114 Resp: 440837
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.0
 88 15.3 0.0 33.0

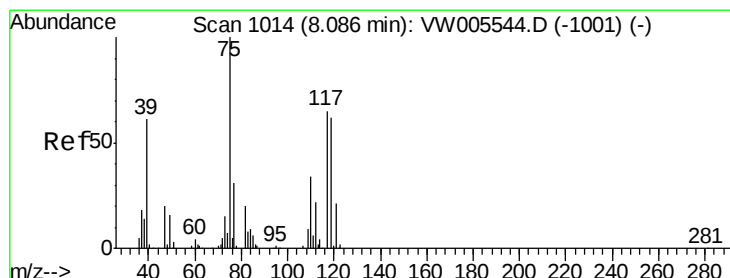
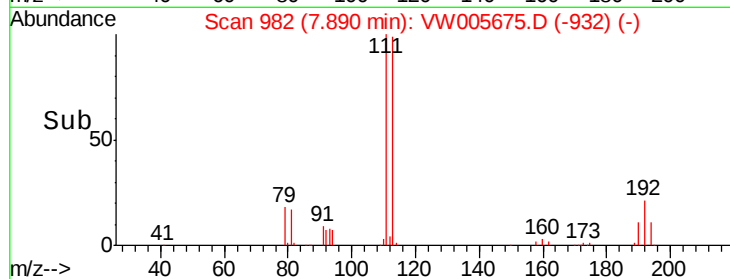
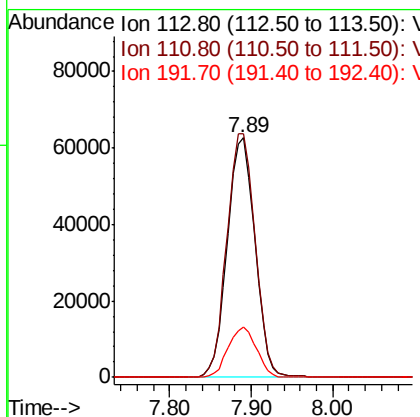
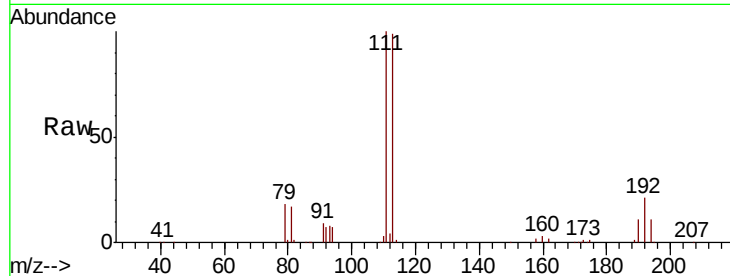




#35
 Dibromofluoromethane
 Concen: 53.069 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005675.D
 Acq: 27 Sep 2018 01:01

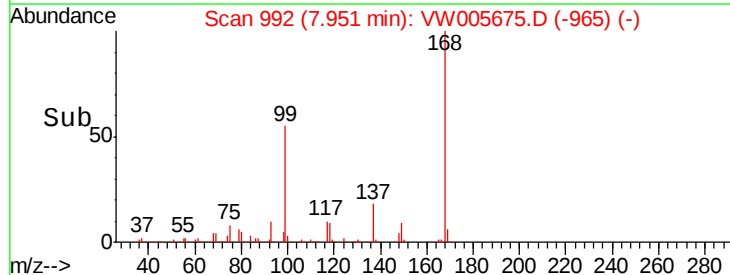
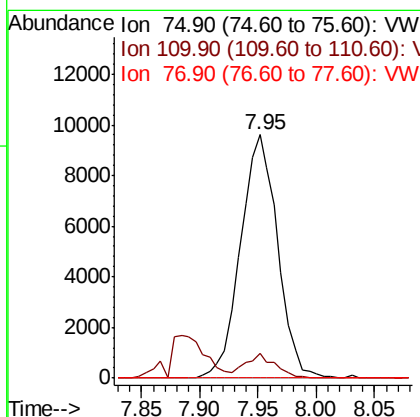
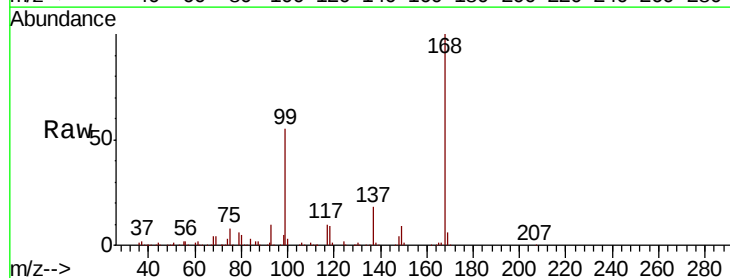
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2

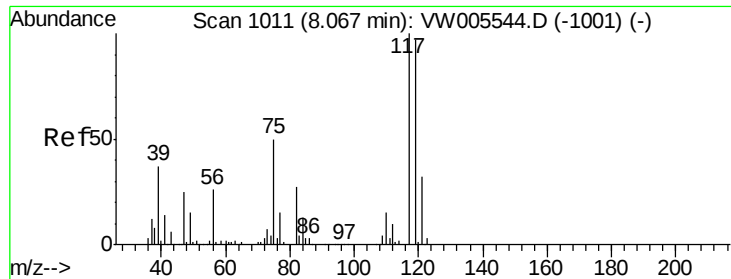
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.6	123.8
192	21.4	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.782 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005675.D
 Acq: 27 Sep 2018 01:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.0	50.9#
77	0.0	24.8	37.2#

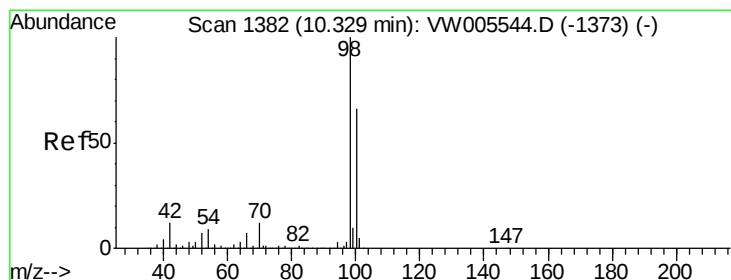
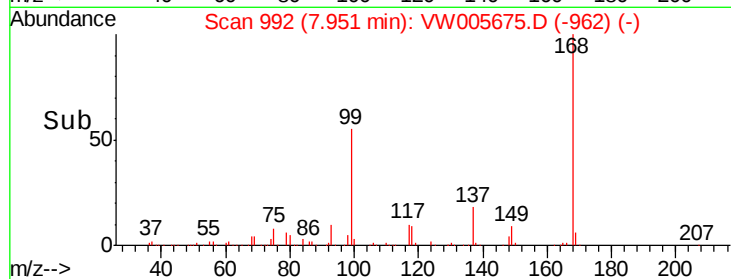
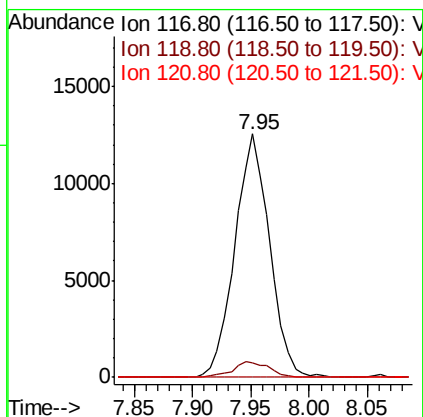
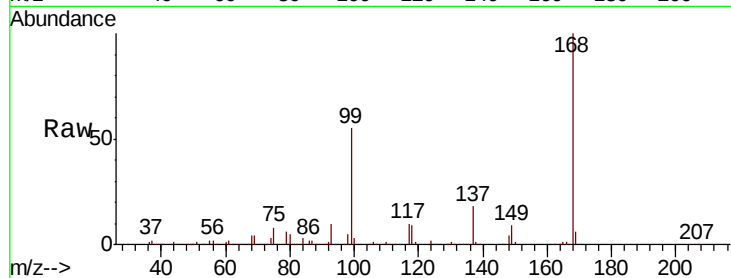




#38
Carbon Tetrachloride
Concen: 5.463 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005675.D
Acq: 27 Sep 2018 01:01

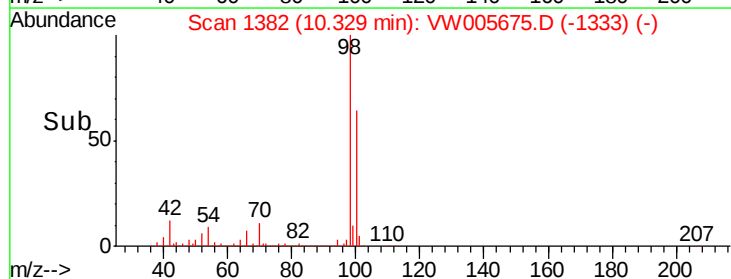
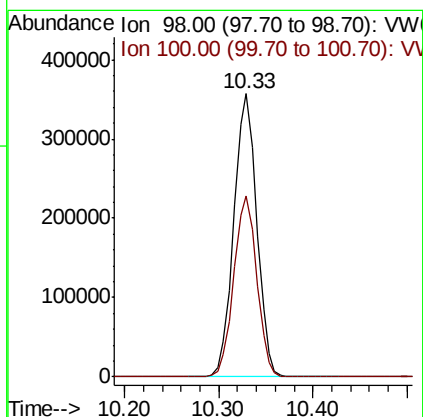
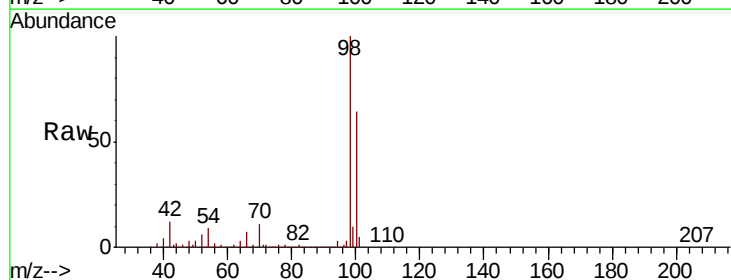
Instrument :
MSVOA_W
ClientSampleId :
TP-2

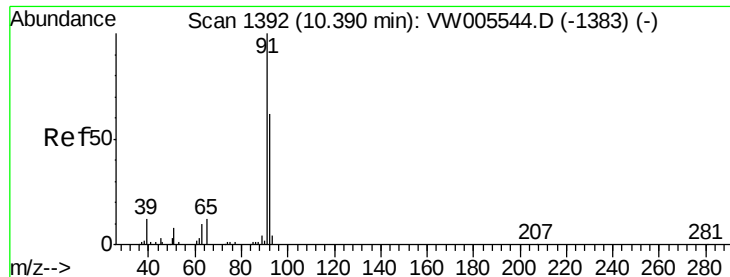
Tgt Ion:117 Resp: 25979
Ion Ratio Lower Upper
117 100
119 6.0 77.6 116.4#
121 0.0 25.7 38.5#



#50
Toluene-d8
Concen: 53.617 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005675.D
Acq: 27 Sep 2018 01:01

Tgt Ion: 98 Resp: 605232
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4





#52

Toluene

Concen: 1.131 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005675.D

Acq: 27 Sep 2018 01:01

Instrument :

MSVOA_W

ClientSampled :

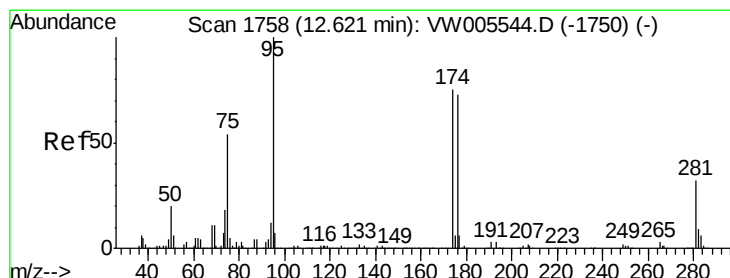
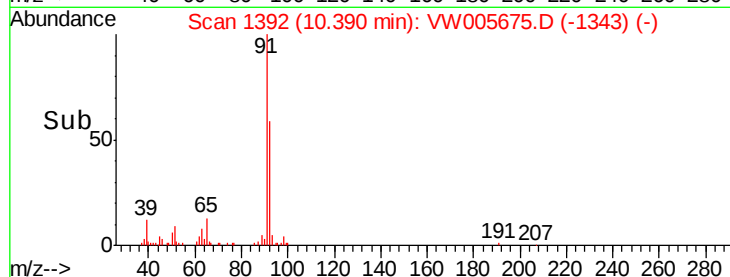
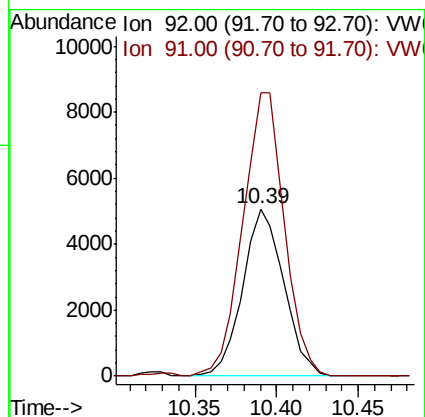
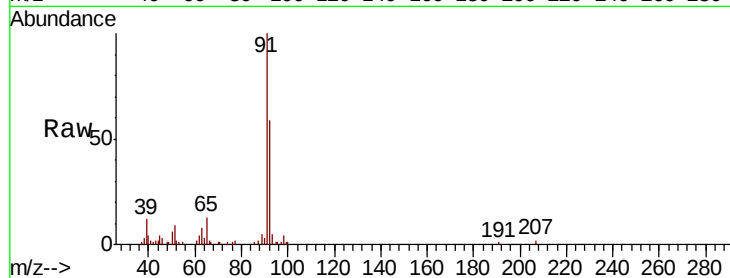
TP-2

Tgt Ion: 92 Resp: 8870

Ion Ratio Lower Upper

92 100

91 170.9 137.1 205.7



#62

4-Bromofluorobenzene

Concen: 51.761 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005675.D

Acq: 27 Sep 2018 01:01

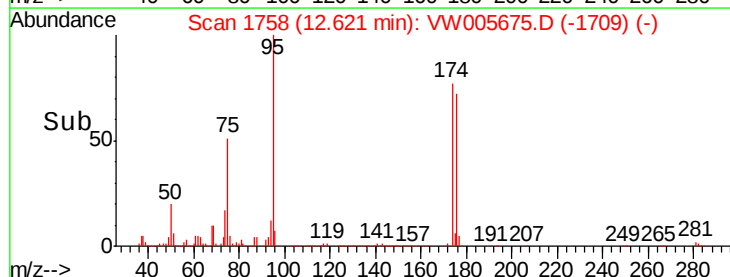
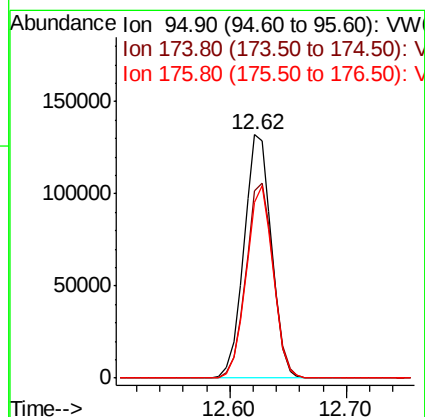
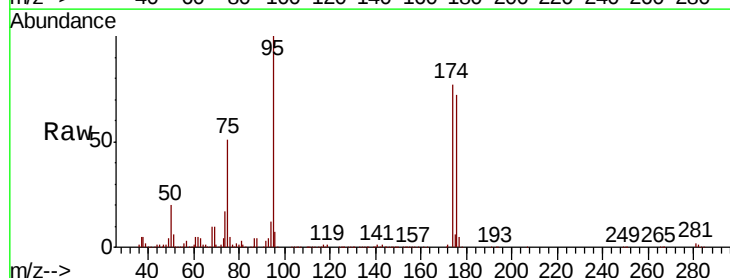
Tgt Ion: 95 Resp: 216197

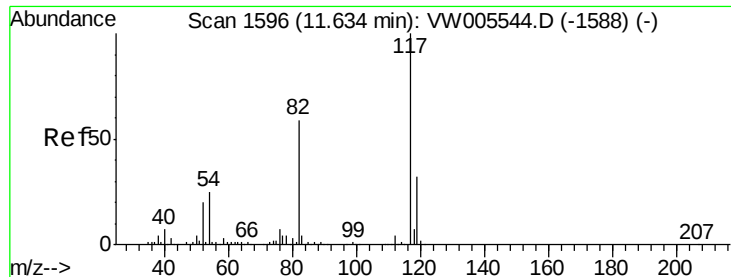
Ion Ratio Lower Upper

95 100

174 80.5 0.0 163.8

176 77.4 0.0 158.0

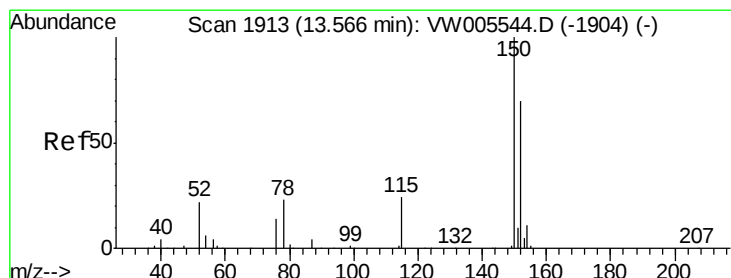
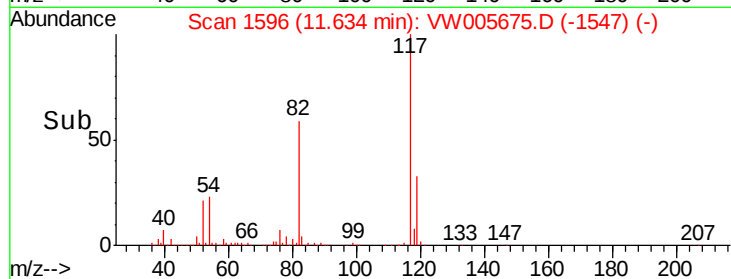
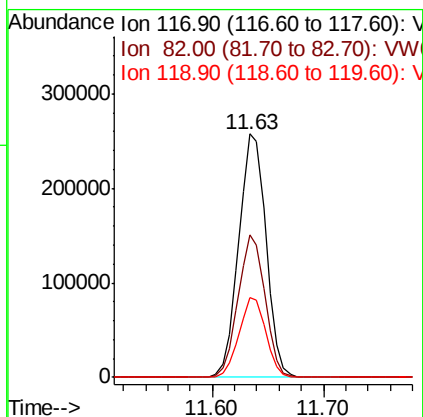
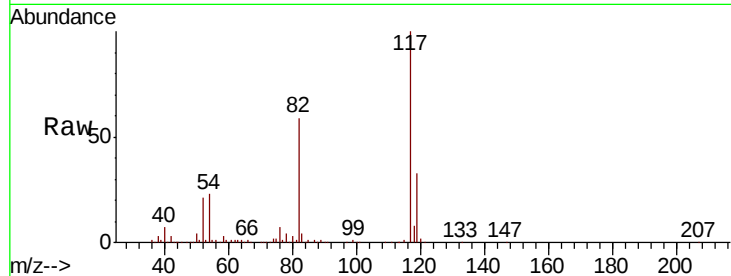




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005675.D
Acq: 27 Sep 2018 01:01

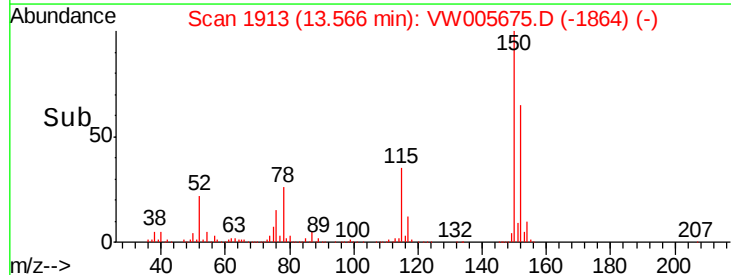
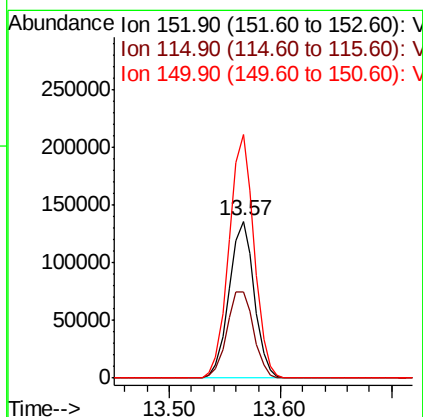
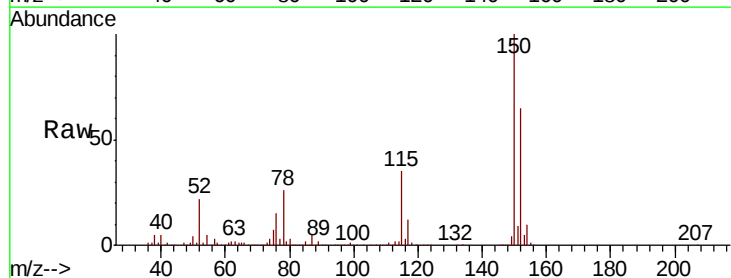
Instrument :
MSVOA_W
ClientSampleId :
TP-2

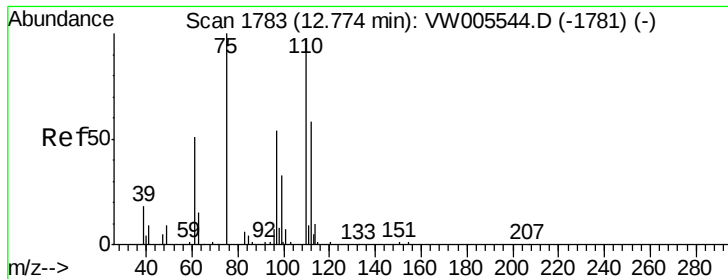
Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.9	70.3
119	32.6	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005675.D
Acq: 27 Sep 2018 01:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	30.0	90.0
150	154.2	0.0	348.6

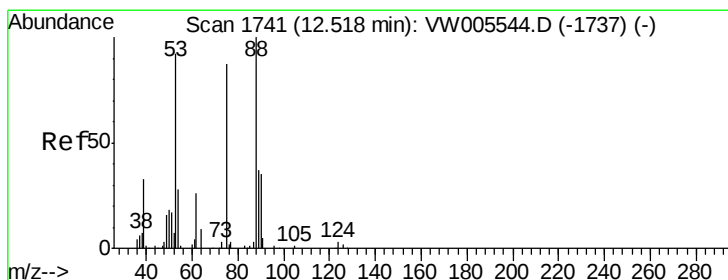
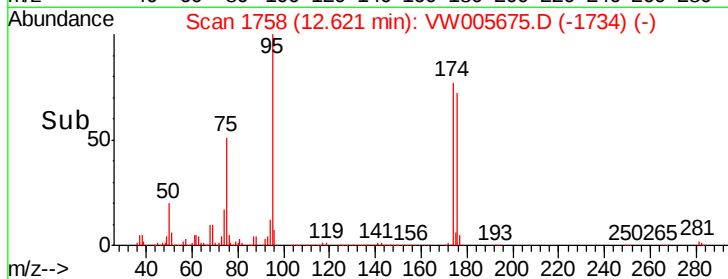
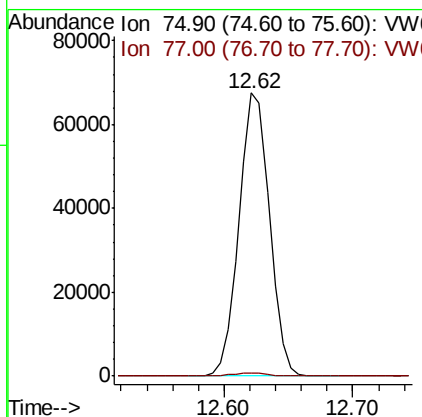
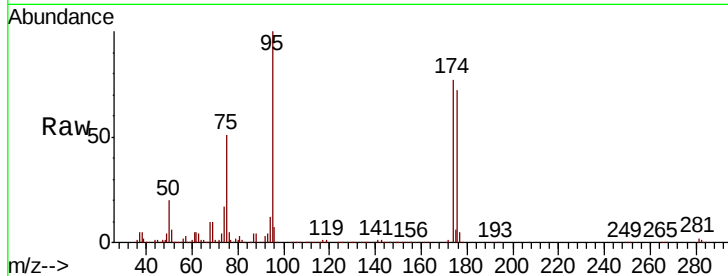




#76
 1,2,3-Trichloropropane
 Concen: 60.933 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005675.D
 Acq: 27 Sep 2018 01:01

Instrument :
 MSVOA_W
 ClientSampled :
 TP-2

Tgt Ion: 75 Resp: 110368
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.240 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005675.D
 Acq: 27 Sep 2018 01:01

Tgt Ion: 75 Resp: 110368
 Ion Ratio Lower Upper
 75 100
 53 0.2 85.8 128.6#
 89 0.0 37.3 55.9#

