

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122018\
 Data File : VW007696.D
 Acq On : 19 Dec 2018 09:43
 Operator : SY/AP
 Sample : J6386-19
 Misc : 5.63G/5ML/MSVOA W/SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 10:14:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	54578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	93181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	58246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	14982	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	33790	55.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.62%	
35) Dibromofluoromethane	7.88	113	27601	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	10.32	98	73707	34.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.70%	
62) 4-Bromofluorobenzene	12.62	95	17605	22.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.28%	

Target Compounds

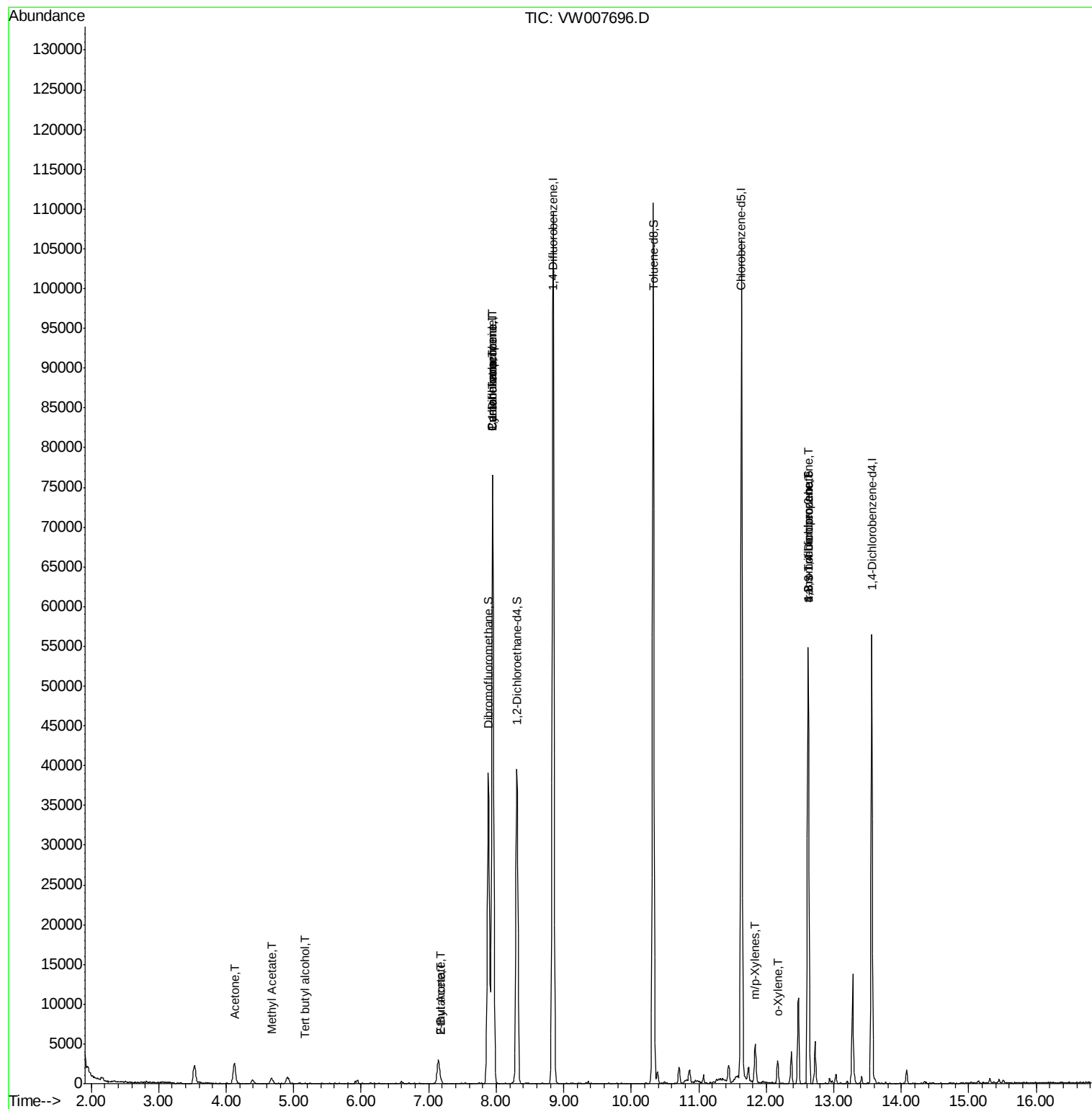
					Qvalue
11) Tert butyl alcohol	5.17	59	46	1.106 ug/l #	74
16) Acetone	4.12	43	4664	44.099 ug/l	94
18) Methyl Acetate	4.67	43	1193	4.156 ug/l #	87
20) Methylene Chloride	4.91	84	811	Below Cal #	71
25) 2-Butanone	7.18	43	389	2.817 ug/l #	45
31) Cyclohexane	7.95	56	1181	1.256 ug/l #	29
36) 1,1-Dichloropropene	7.95	75	4014	4.722 ug/l #	50
37) Ethyl Acetate	7.18	43	389	1.230 ug/l #	66
38) Carbon Tetrachloride	7.95	117	5960	6.444 ug/l #	16
68) m/p-Xylenes	11.84	106	1461	1.801 ug/l	100
69) o-Xylene	12.17	106	835	1.102 ug/l	87
76) 1,2,3-Trichloropropane	12.62	75	9553	77.333 ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	9553	170.829 ug/l #	7

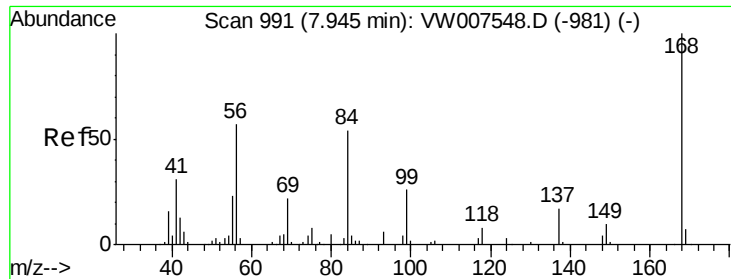
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122018\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007696.D

Acq: 19 Dec 2018 09:43

Instrument :

MSVOA_W

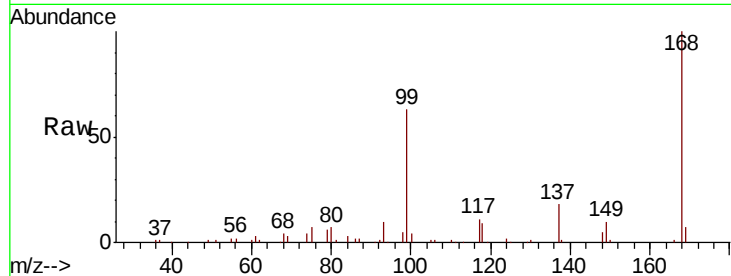
ClientSampleId :

Tot Ion:168 Resp: 54578

Ion Ratio Lower Upper

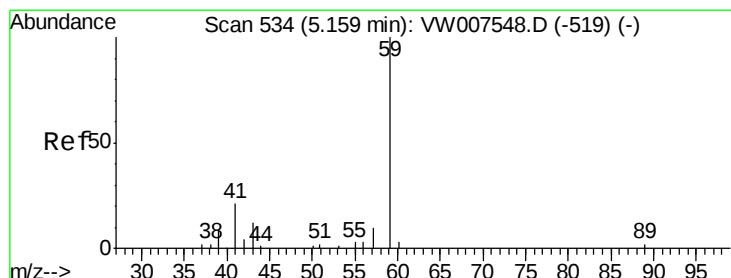
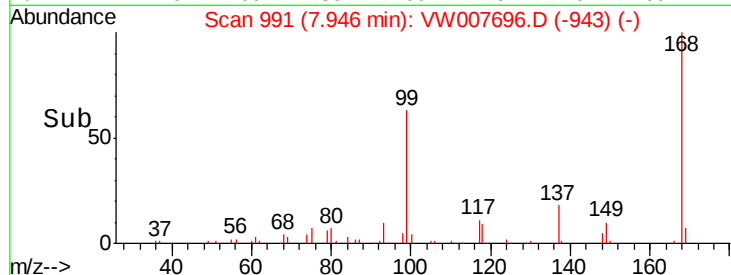
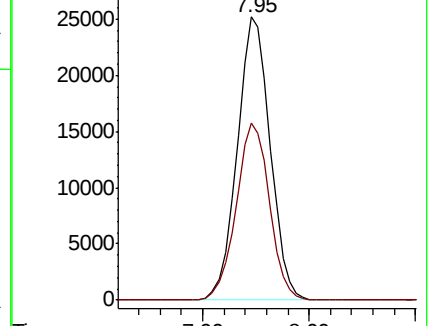
168 100

99 62.6 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.106 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW007696.D

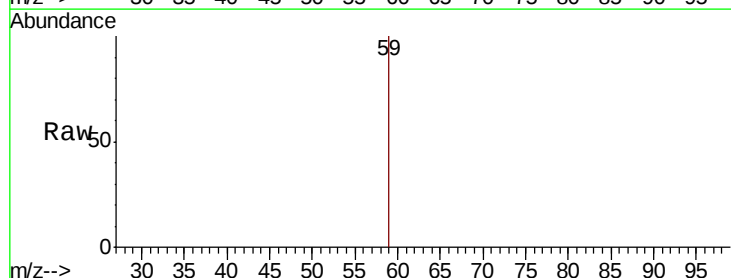
Acq: 19 Dec 2018 09:43

Tgt Ion: 59 Resp: 46

Ion Ratio Lower Upper

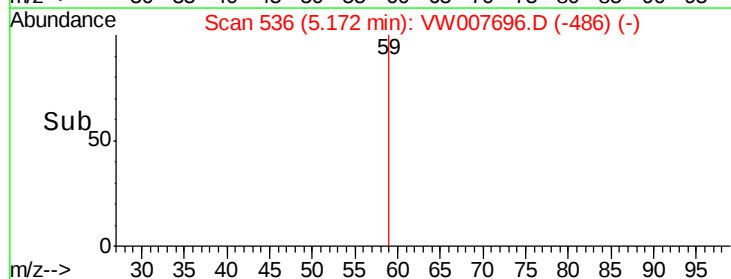
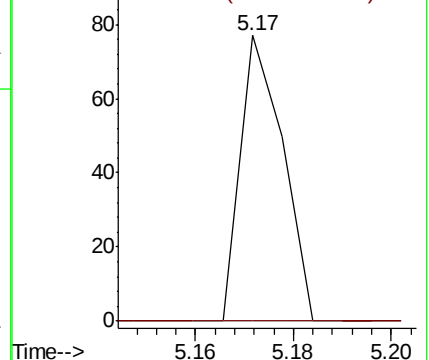
59 100

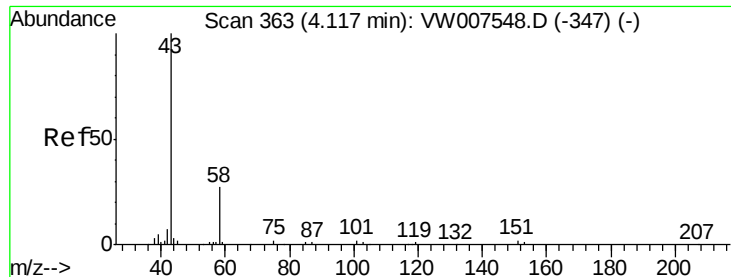
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 44.099 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007696.D

Acq: 19 Dec 2018 09:43

Instrument :

MSVOA_W

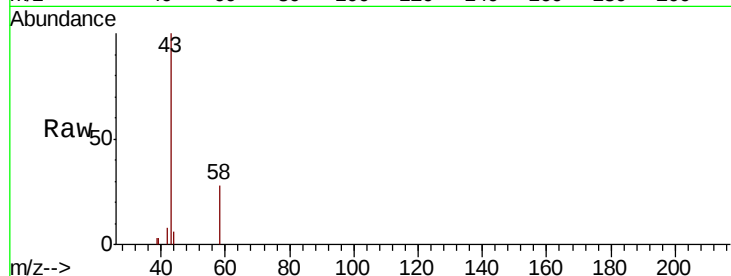
ClientSampleId :

Tot Ion: 43 Resp: 4664

Ion Ratio Lower Upper

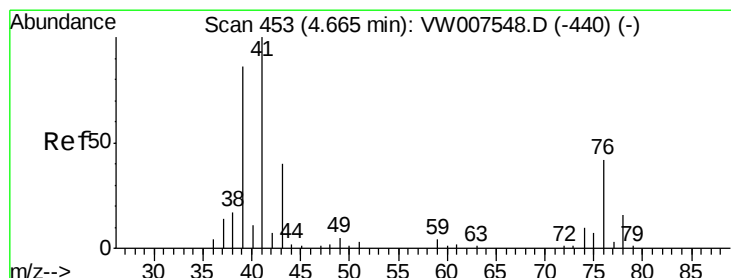
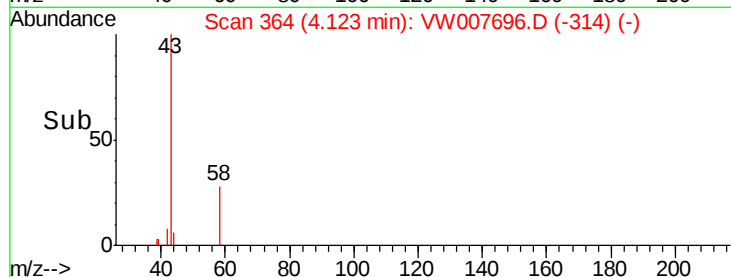
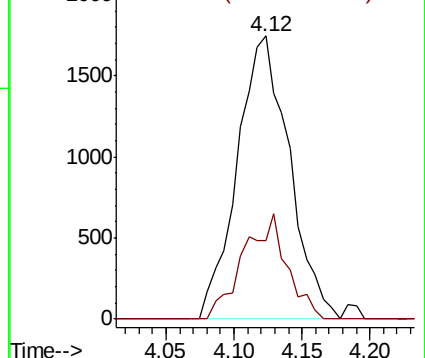
43 100

58 27.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 4.156 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007696.D

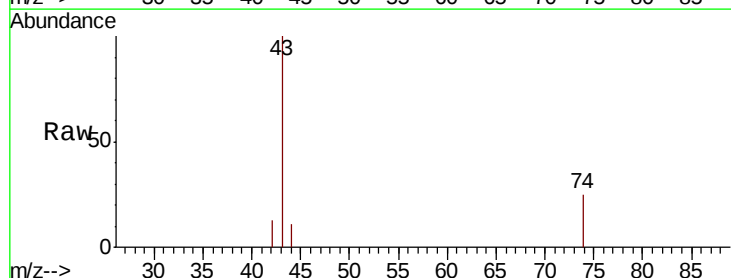
Acq: 19 Dec 2018 09:43

Tgt Ion: 43 Resp: 1193

Ion Ratio Lower Upper

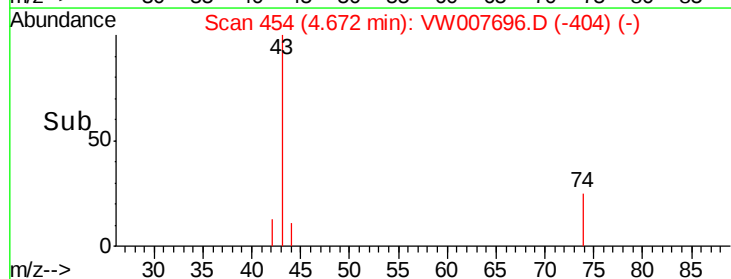
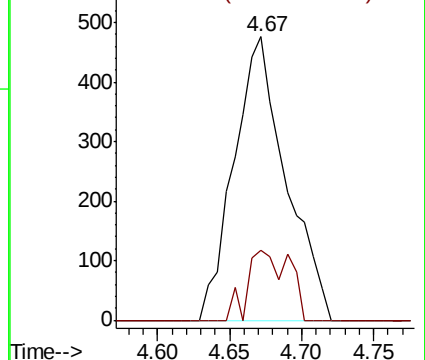
43 100

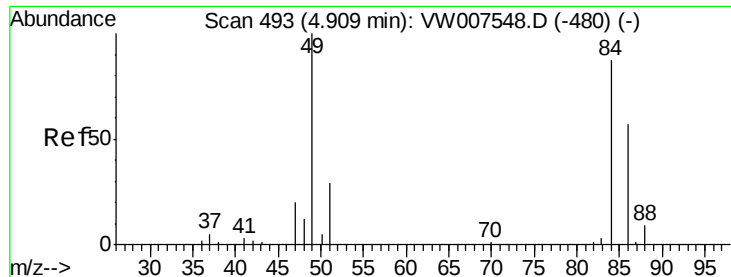
74 19.7 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007696.D

Acq: 19 Dec 2018 09:43

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 811

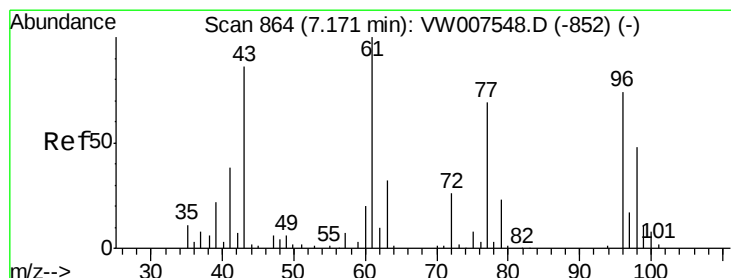
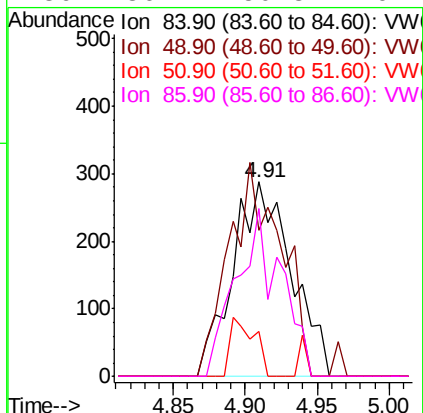
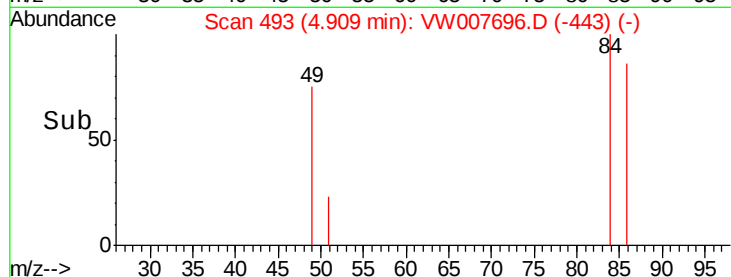
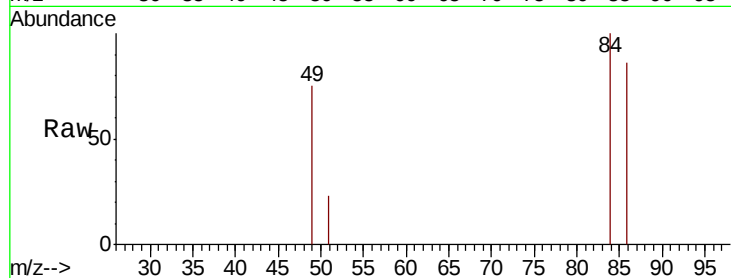
Ion Ratio Lower Upper

84 100

49 75.0 87.1 130.7#

51 23.3 28.2 42.2#

86 86.1 50.8 76.2#



#25

2-Butanone

Concen: 2.817 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW007696.D

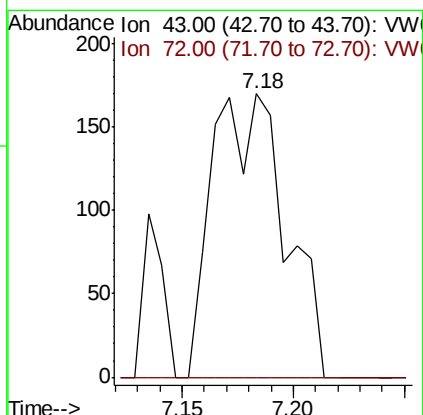
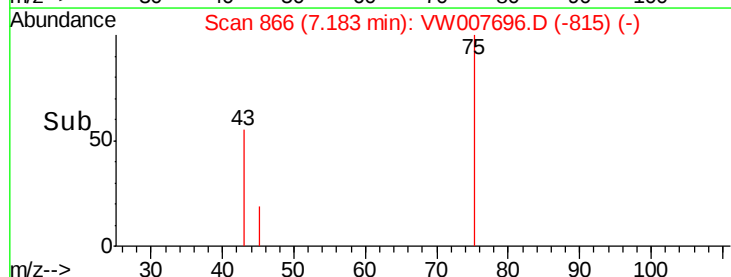
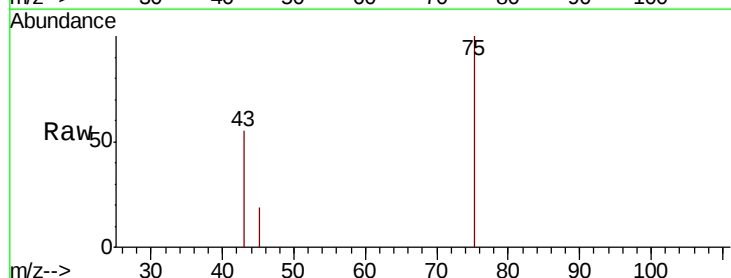
Acq: 19 Dec 2018 09:43

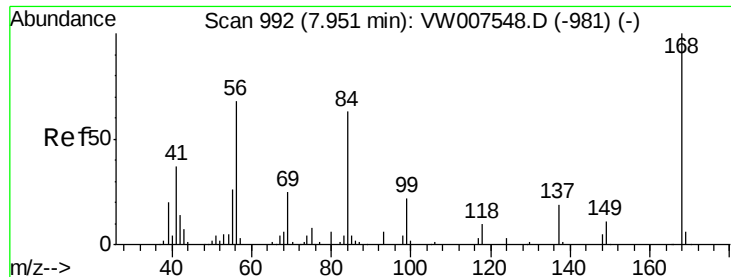
Tgt Ion: 43 Resp: 389

Ion Ratio Lower Upper

43 100

72 0.0 23.4 35.2#

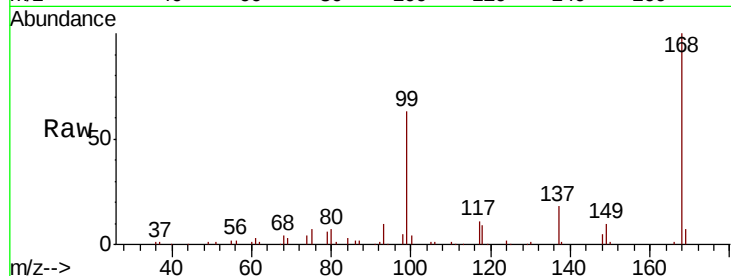




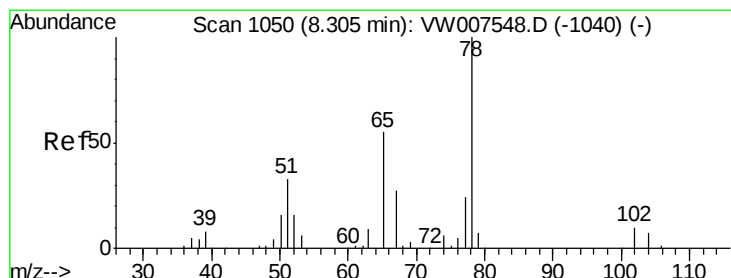
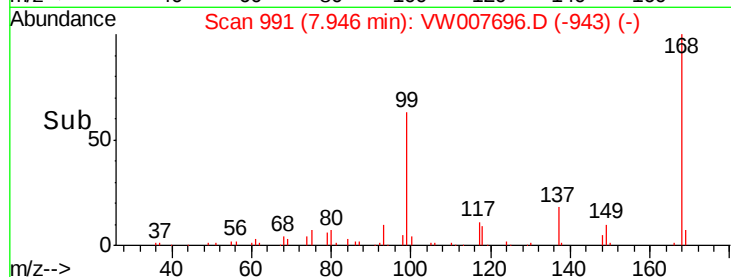
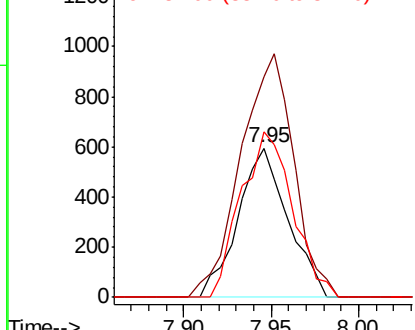
#31
Cyclohexane
Concen: 1.256 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007696.D
Acq: 19 Dec 2018 09:43

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 1181
Ion Ratio Lower Upper
56 100
69 148.1 28.9 43.3#
84 111.3 71.8 107.6#

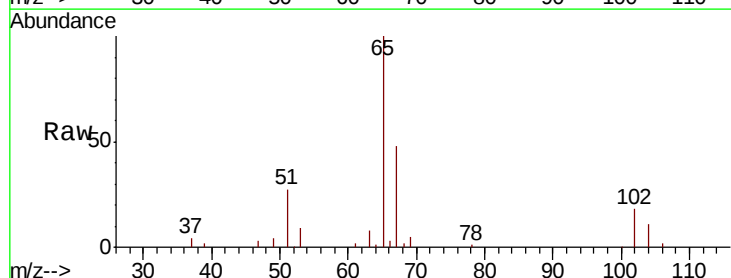


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

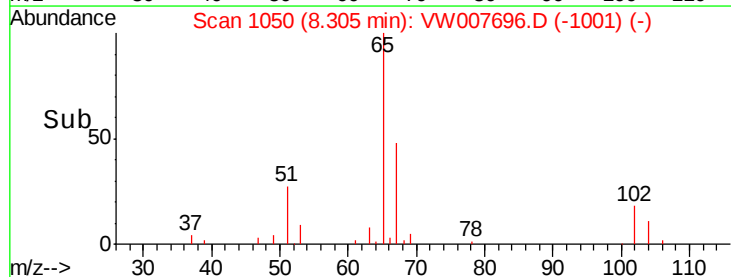
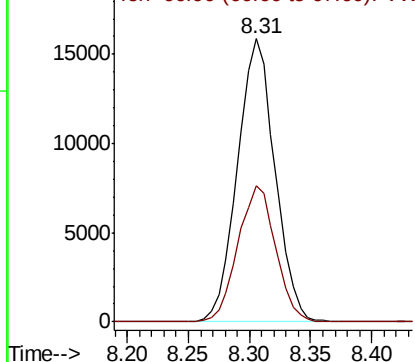


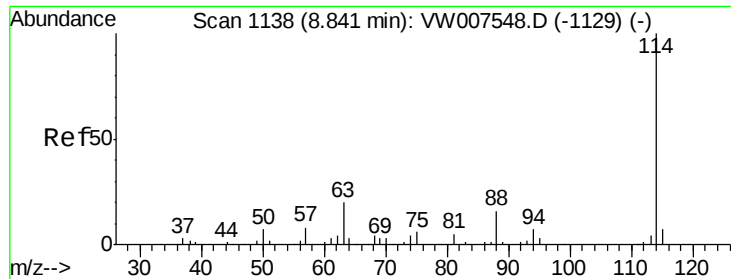
#33
1,2-Dichloroethane-d4
Concen: 55.805 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW007696.D
Acq: 19 Dec 2018 09:43

Tgt Ion: 65 Resp: 33790
Ion Ratio Lower Upper
65 100
67 48.3 0.0 101.6



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

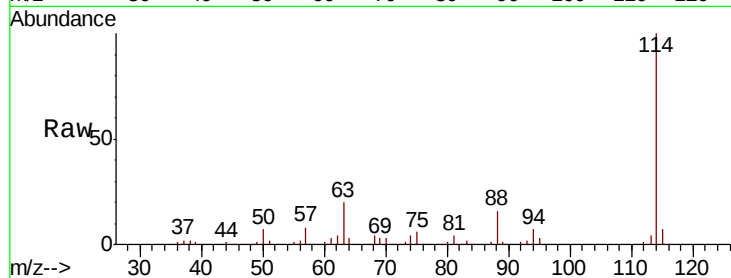




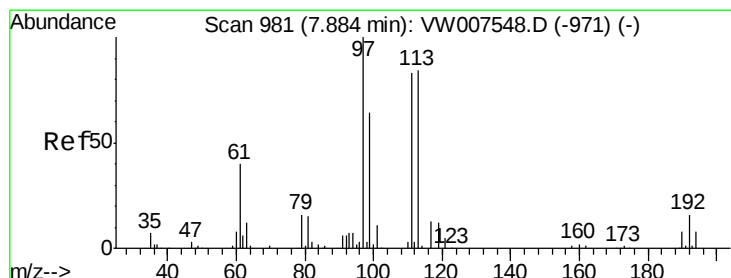
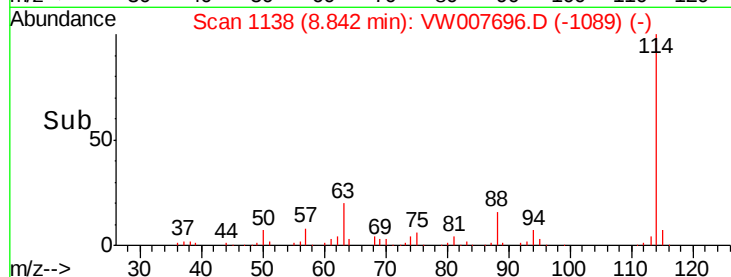
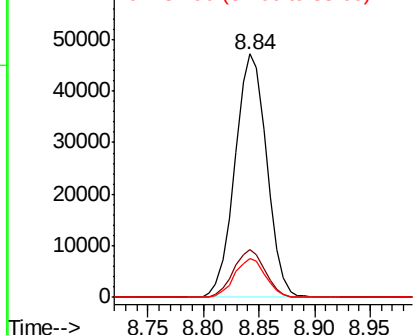
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007696.D
 Acq: 19 Dec 2018 09:43

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 93181
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.6
 88 16.1 0.0 31.4

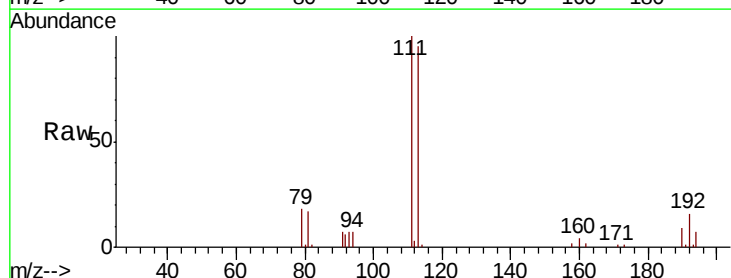


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

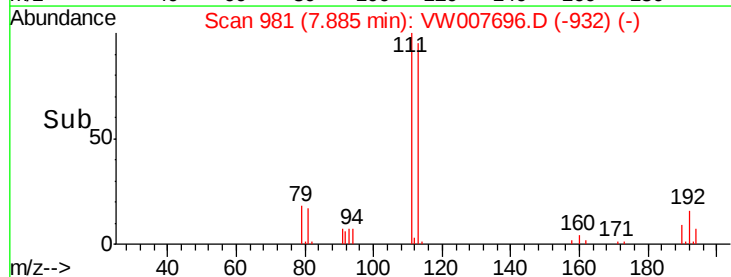
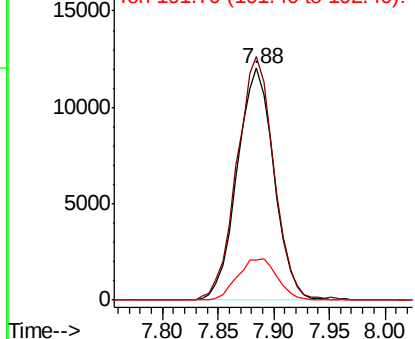


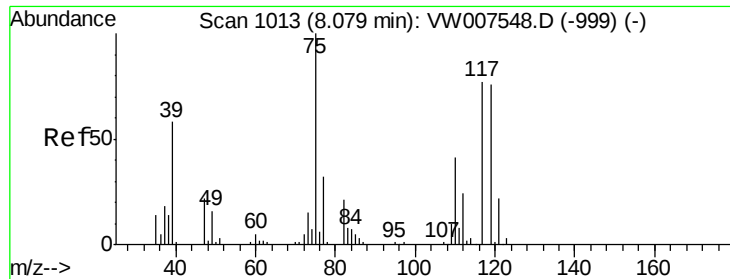
#35
 Dibromofluoromethane
 Concen: 48.933 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007696.D
 Acq: 19 Dec 2018 09:43

Tgt Ion:113 Resp: 27601
 Ion Ratio Lower Upper
 113 100
 111 105.6 81.1 121.7
 192 19.1 14.6 21.8



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

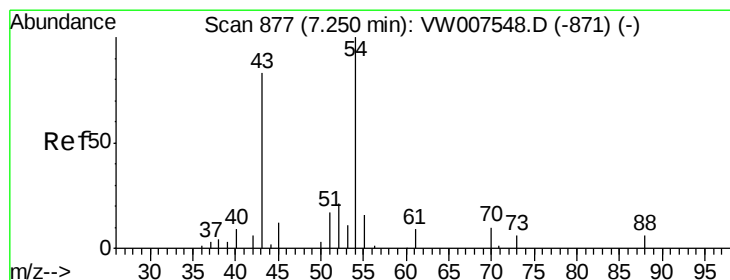
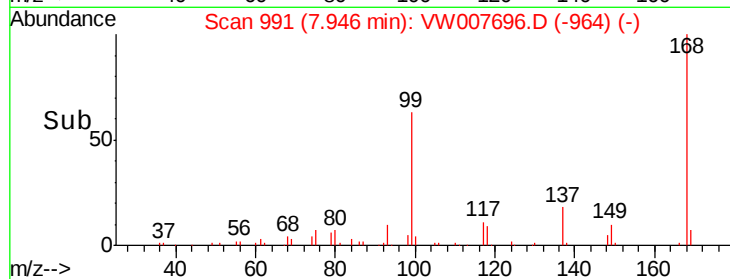
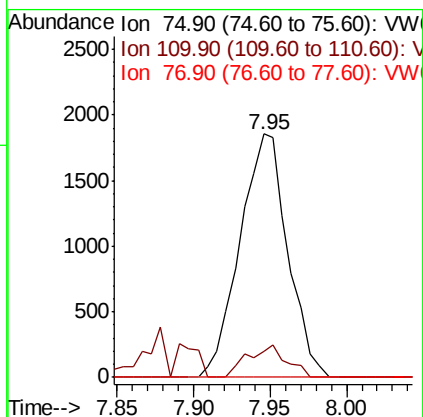
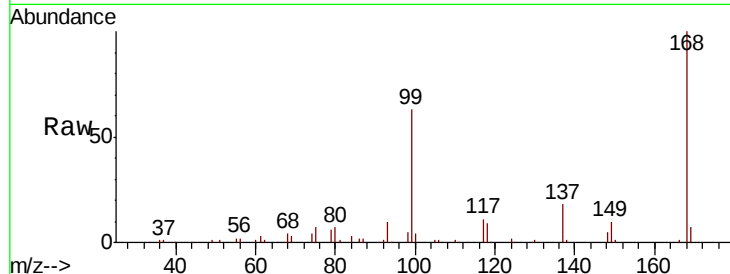




#36
 1,1-Dichloropropene
 Concen: 4.722 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007696.D
 Acq: 19 Dec 2018 09:43

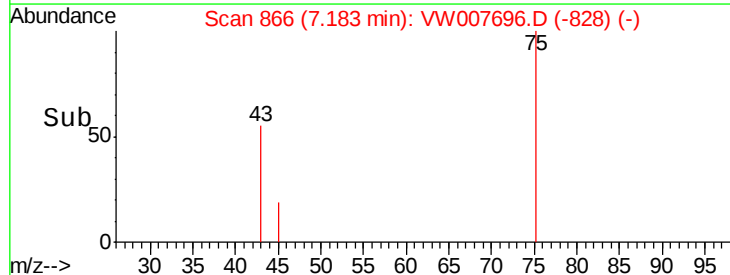
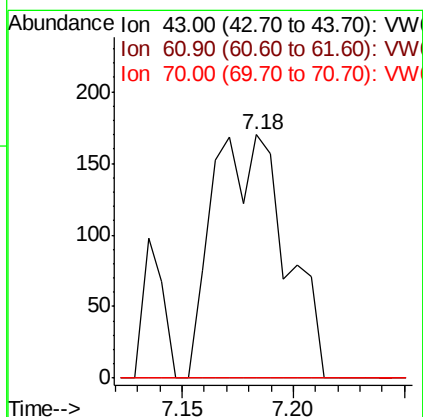
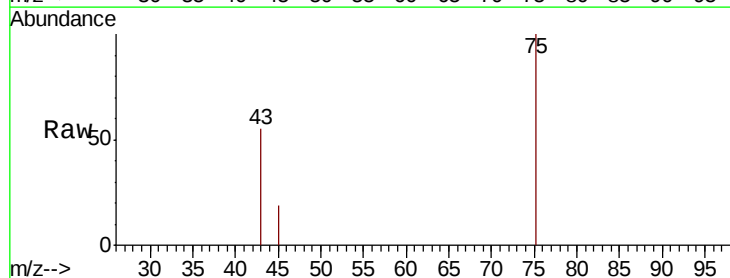
Instrument :
 MSVOA_W
 ClientSampleId :

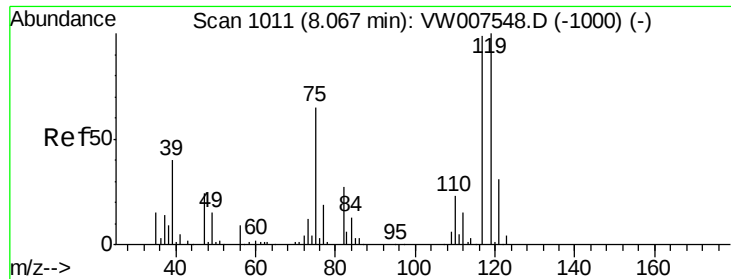
Tot Ion: 75 Resp: 4014
 Ion Ratio Lower Upper
 75 100
 110 10.8 18.5 55.5#
 77 0.0 25.6 38.4#



#37
 Ethyl Acetate
 Concen: 1.230 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VW007696.D
 Acq: 19 Dec 2018 09:43

Tgt Ion: 43 Resp: 389
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 0.0 10.0 15.0#

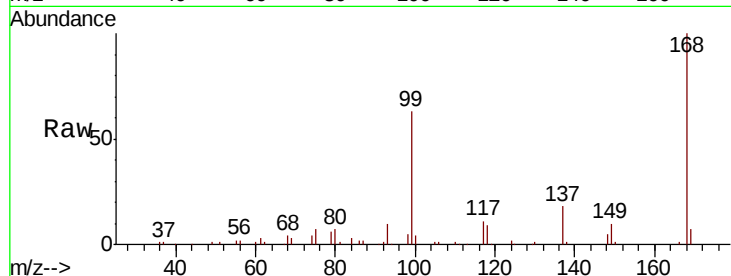




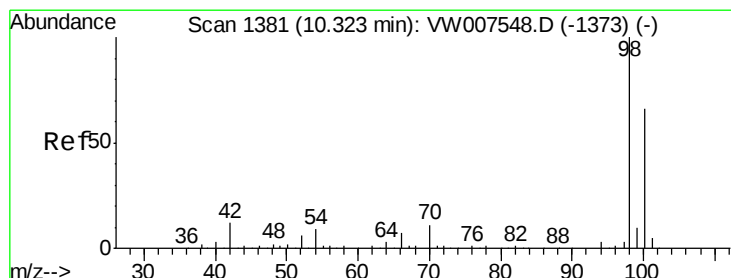
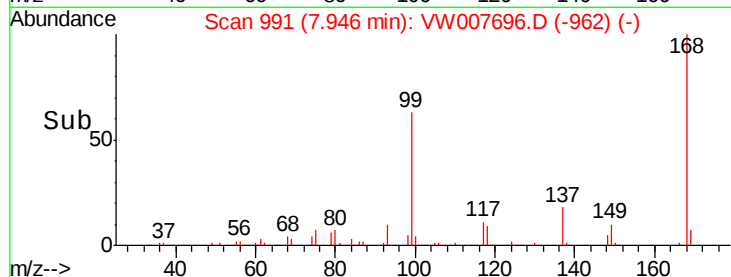
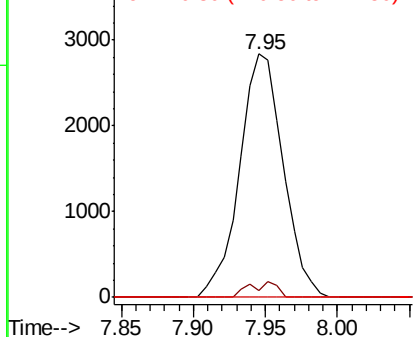
#38
Carbon Tetrachloride
Concen: 6.444 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007696.D
Acq: 19 Dec 2018 09:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 5960
Ion Ratio Lower Upper
117 100
119 2.9 74.3 111.5#
121 0.0 24.3 36.5#

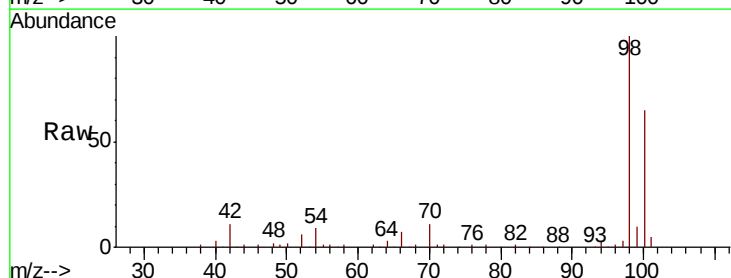


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

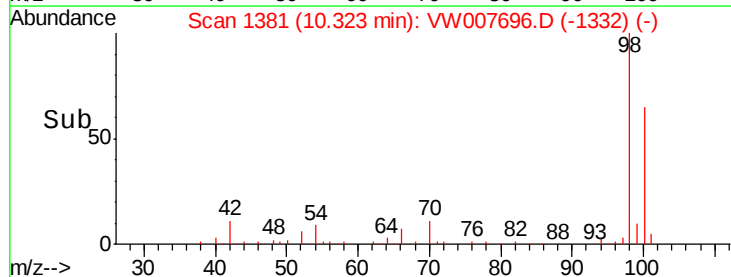
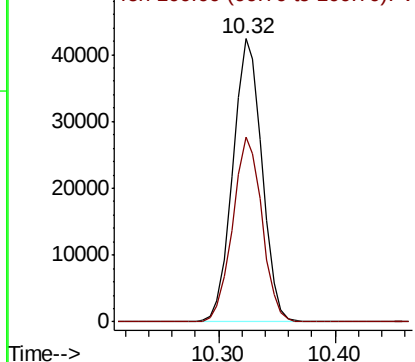


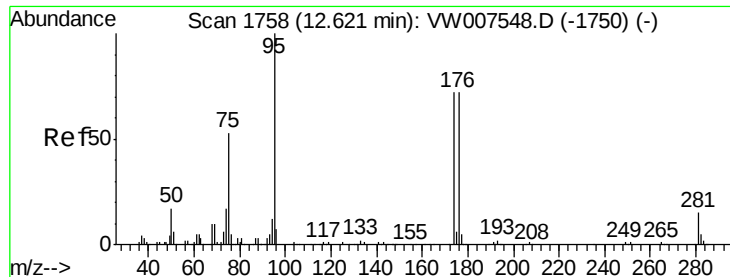
#50
Toluene-d8
Concen: 34.851 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007696.D
Acq: 19 Dec 2018 09:43

Tgt Ion: 98 Resp: 73707
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

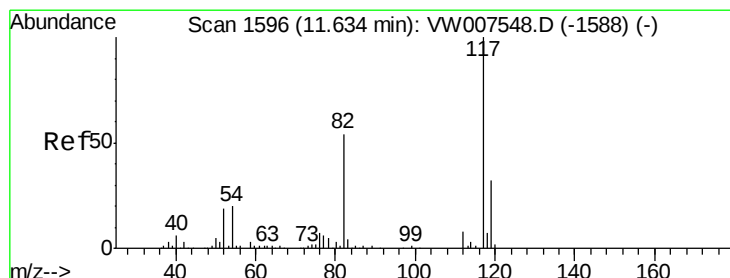
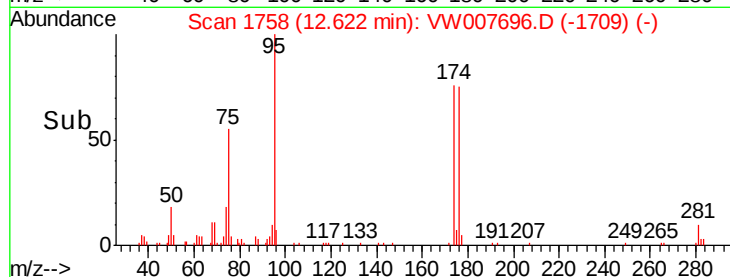
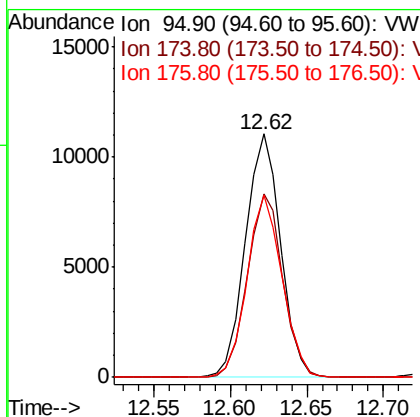
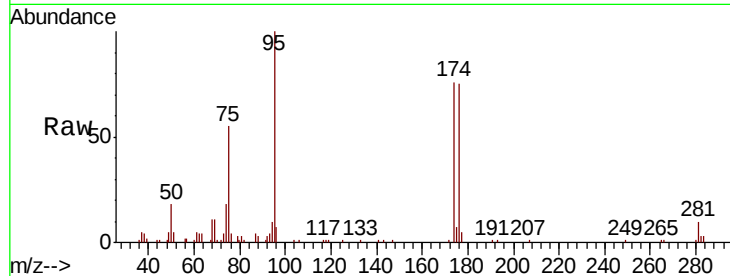




#62
4-Bromofluorobenzene
Concen: 22.640 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007696.D
Acq: 19 Dec 2018 09:43

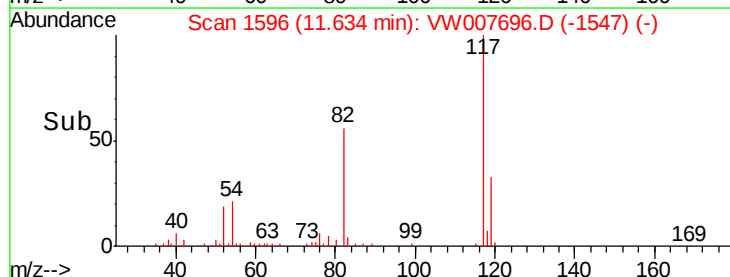
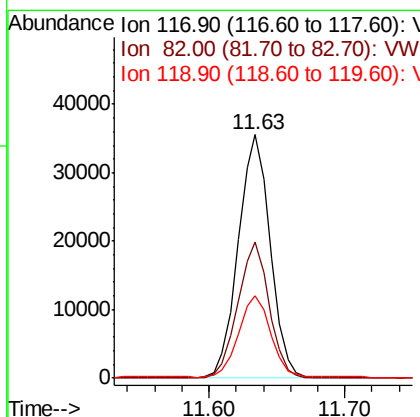
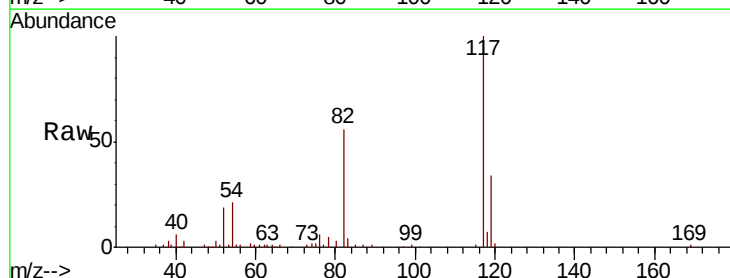
Instrument :
MSVOA_W
ClientSampleId :

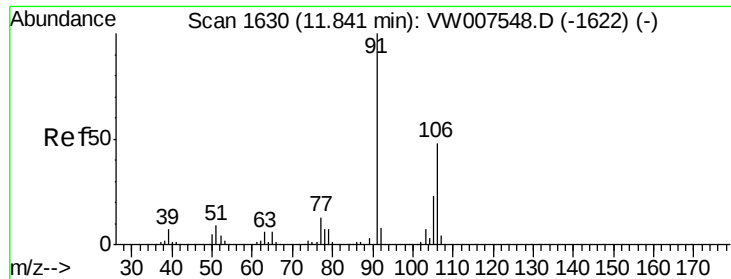
Tot Ion	95	Resp	17605
Ion Ratio	Lower	Upper	
95	100		
174	75.9	0.0	147.2
176	74.5	0.0	138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007696.D
Acq: 19 Dec 2018 09:43

Tgt Ion	117	Resp	58246
Ion Ratio	Lower	Upper	
117	100		
82	56.0	42.3	63.5
119	33.3	23.0	34.6

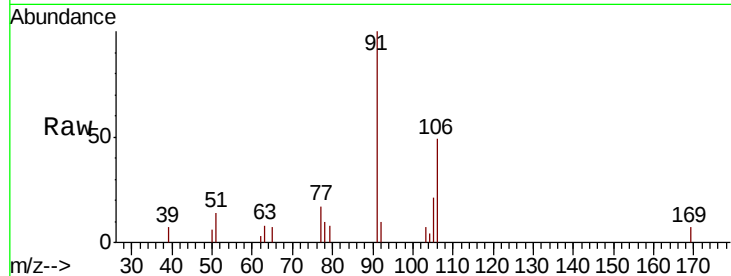




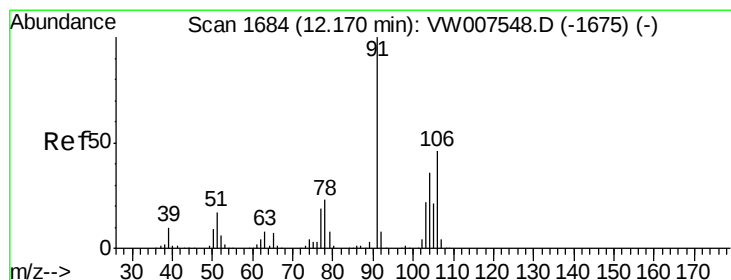
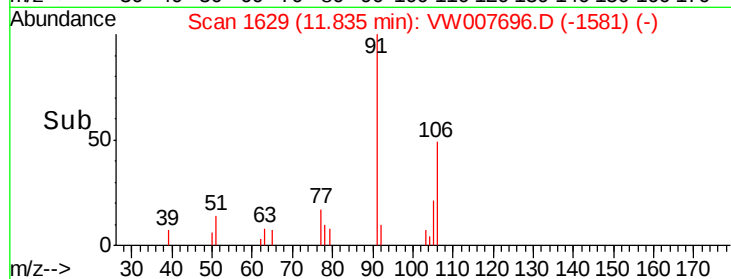
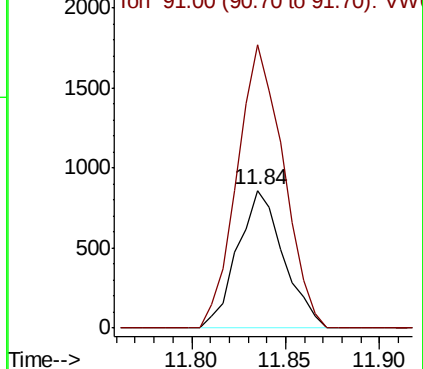
#68
m/p-Xylenes
Concen: 1.801 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007696.D
Acq: 19 Dec 2018 09:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:106 Resp: 1461
Ion Ratio Lower Upper
106 100
91 206.2 165.3 247.9

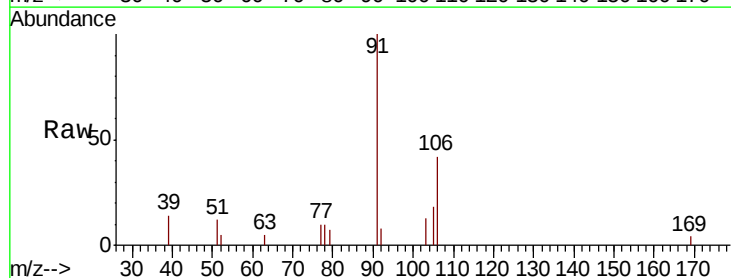


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

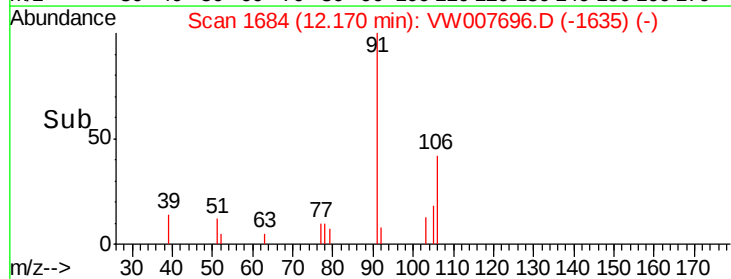
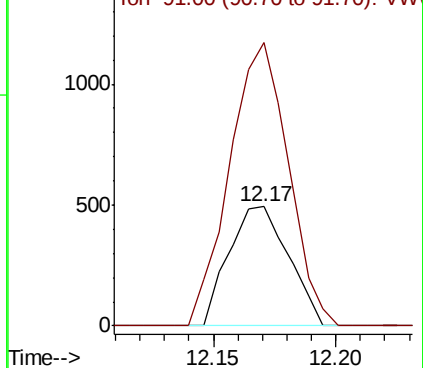


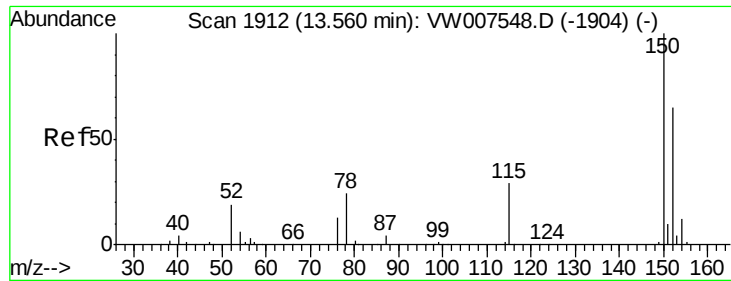
#69
o-Xylene
Concen: 1.102 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007696.D
Acq: 19 Dec 2018 09:43

Tgt Ion:106 Resp: 835
Ion Ratio Lower Upper
106 100
91 233.8 106.6 319.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007696.D

Acq: 19 Dec 2018 09:43

Instrument :

MSVOA_W

ClientSampleId :

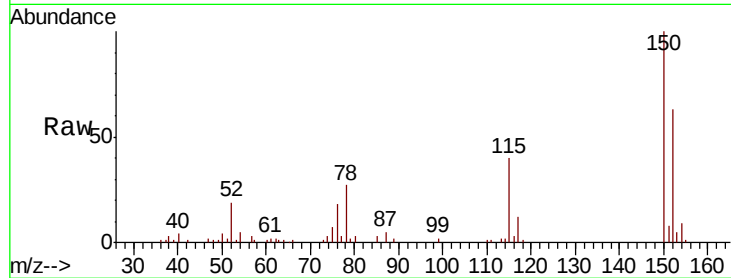
Tot Ion:152 Resp: 14982

Ion Ratio Lower Upper

152 100

115 63.6 31.4 94.2

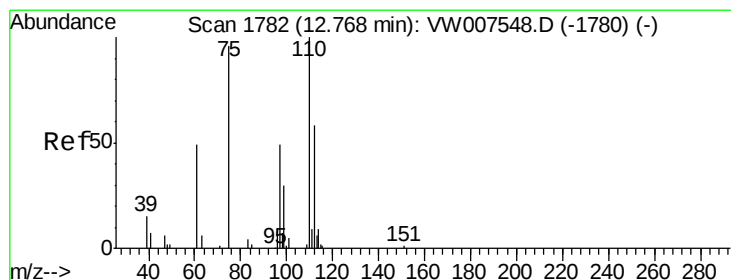
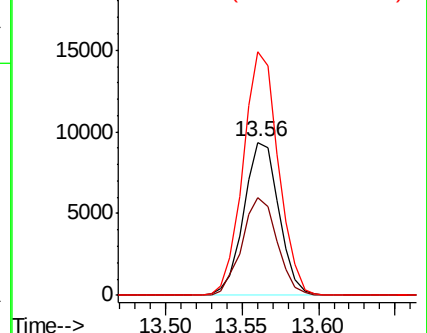
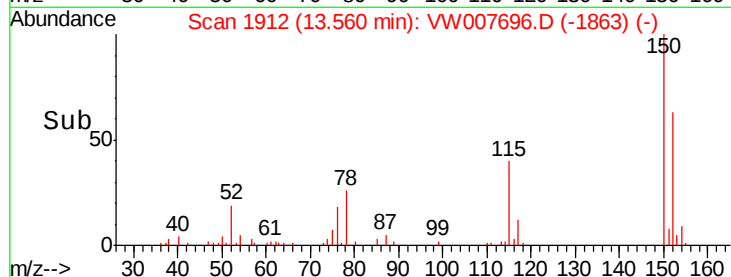
150 159.1 0.0 358.4



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: 77.333 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007696.D

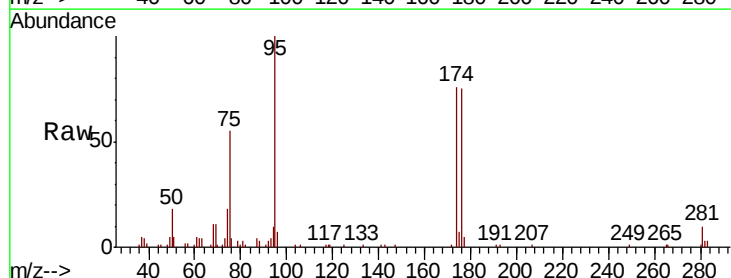
Acq: 19 Dec 2018 09:43

Tgt Ion: 75 Resp: 9553

Ion Ratio Lower Upper

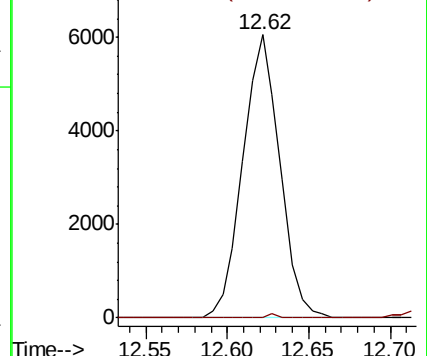
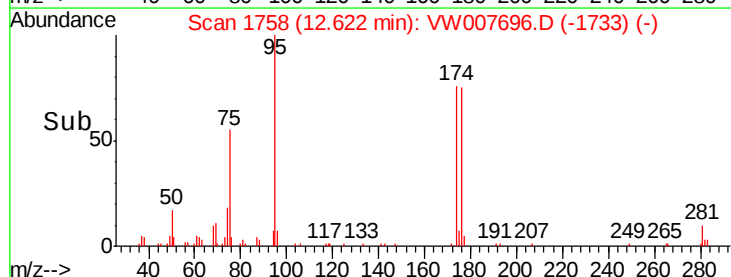
75 100

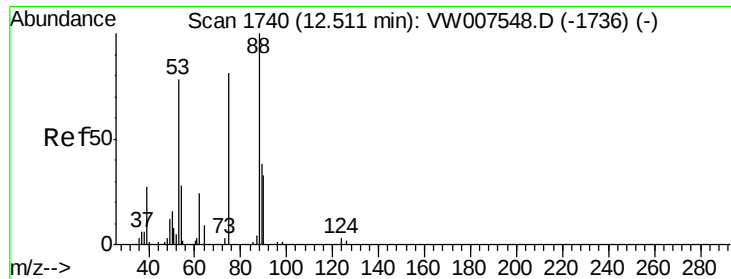
77 0.3 166.9 500.8#



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: 170.829 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007696.D

Acq: 19 Dec 2018 09:43

Instrument :

MSVOA_W

ClientSampleId :

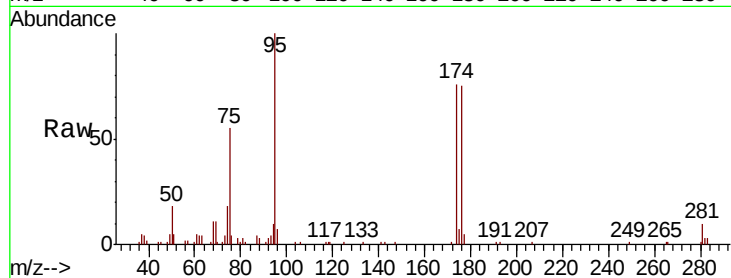
Tot Ion: 75 Resp: 9553

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#



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

