

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122018\
 Data File : VW007660.D
 Acq On : 18 Dec 2018 16:01
 Operator : SY/AP
 Sample : J6379-06
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 03:19:22 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	39488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	69083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	43031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	10646	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	36015	82.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	164.42%	
35) Dibromofluoromethane	7.88	113	27319	65.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.66%	
50) Toluene-d8	10.32	98	64586	41.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.38%	
62) 4-Bromofluorobenzene	12.62	95	16925	29.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.72%	

Target Compounds

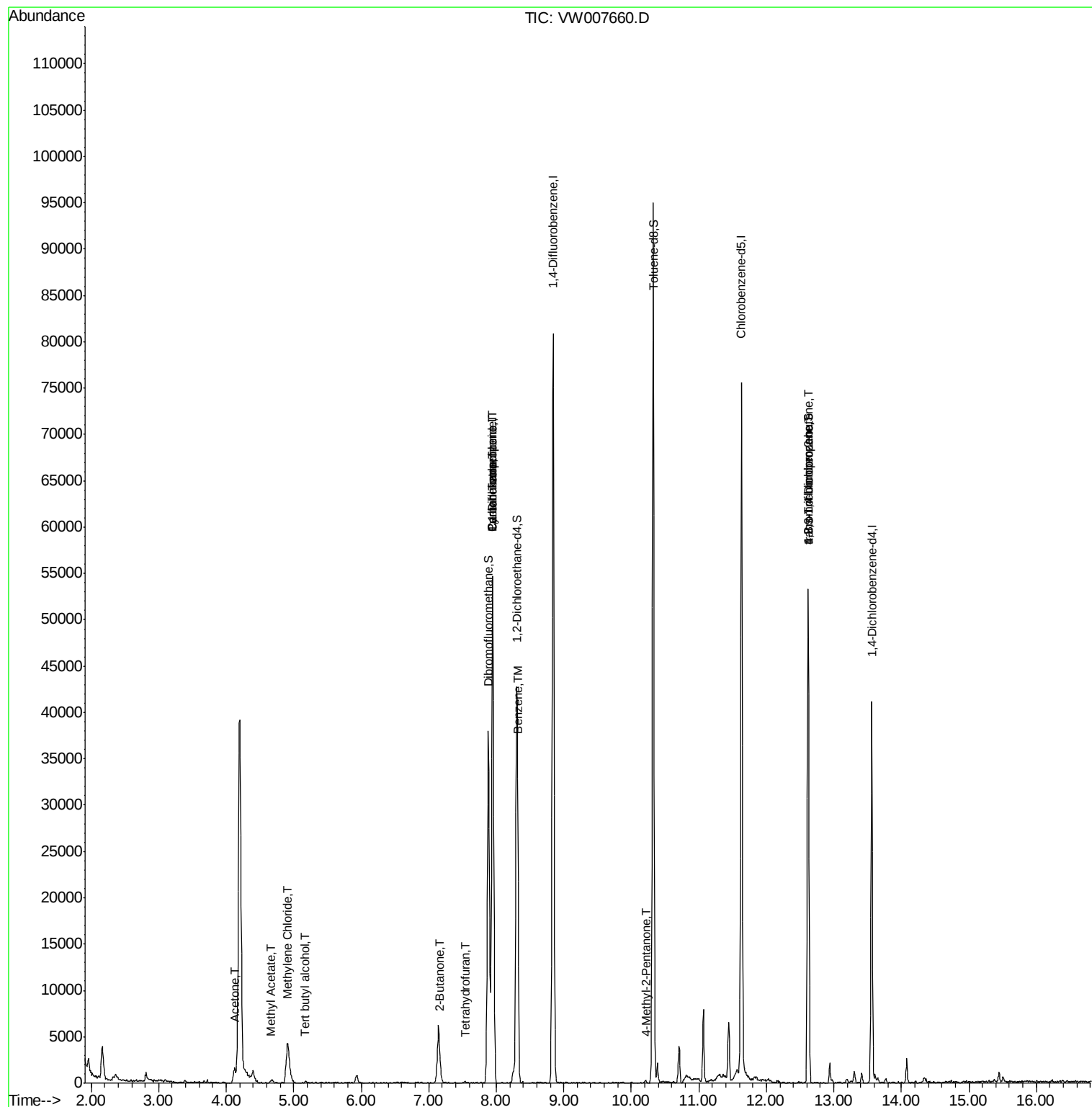
						Qvalue
11) Tert butyl alcohol	5.17	59	269	8.941	ug/l #	74
16) Acetone	4.12	43	2929	38.277	ug/l	89
18) Methyl Acetate	4.67	43	331	1.594	ug/l	93
20) Methylene Chloride	4.90	84	3874	5.794	ug/l	97
25) 2-Butanone	7.17	43	570	5.706	ug/l #	45
29) Tetrahydrofuran	7.54	42	78	1.233	ug/l #	30
31) Cyclohexane	7.95	56	853	1.253	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	3221	5.111	ug/l #	50
38) Carbon Tetrachloride	7.95	117	4206	6.134	ug/l #	18
40) Benzene	8.32	78	1956	1.118	ug/l #	86
51) 4-Methyl-2-Pentanone	10.22	43	335	1.531	ug/l #	72
76) 1,2,3-Trichloropropane	12.62	75	8632	98.338	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	8632	217.228	ug/l #	7

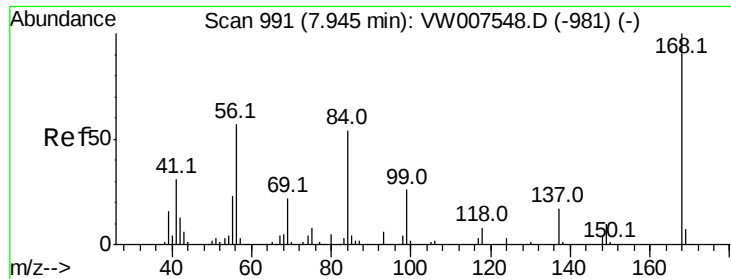
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW007660.D

Acq: 18 Dec 2018 16:01

Instrument :

MSVOA_W

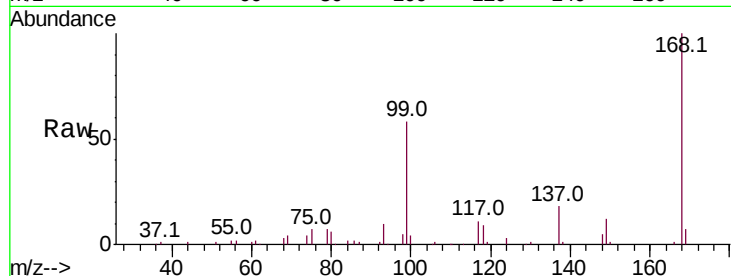
ClientSampled :

Tot Ion:168 Resp: 39488

Ion Ratio Lower Upper

168 100

99 58.3 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

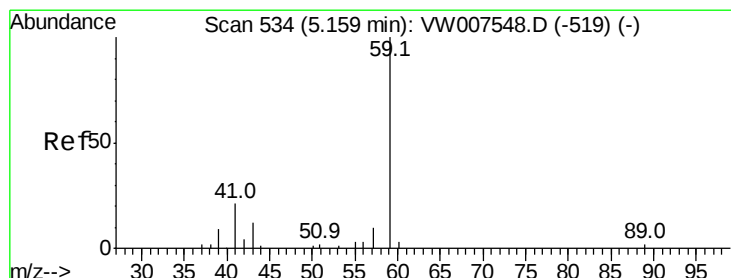
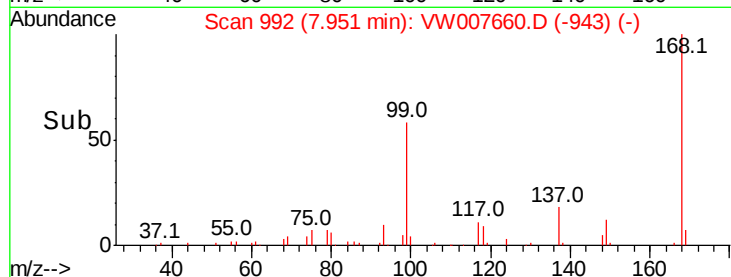
15000

10000

5000

0

Time-->



#11

Tert butyl alcohol

Concen: 8.941 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW007660.D

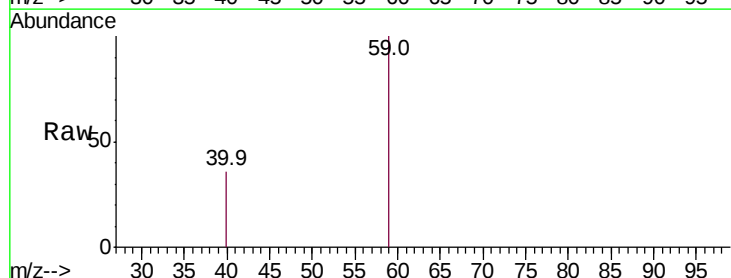
Acq: 18 Dec 2018 16:01

Tgt Ion: 59 Resp: 269

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

200

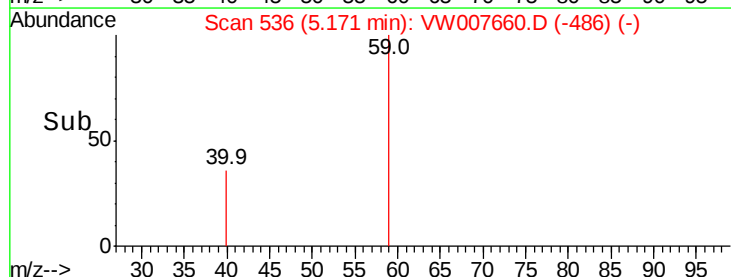
150

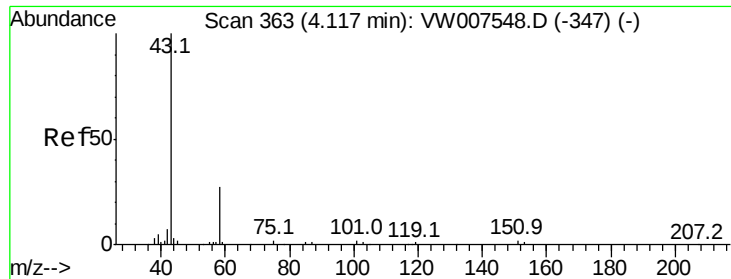
100

50

0

Time-->

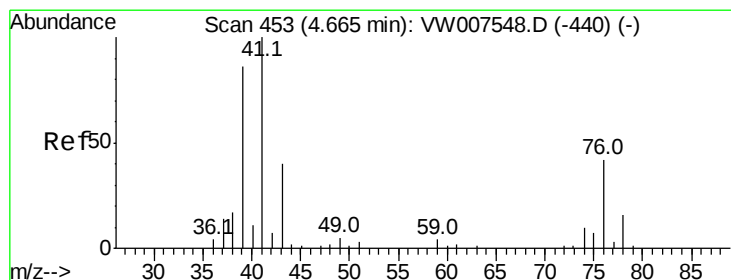
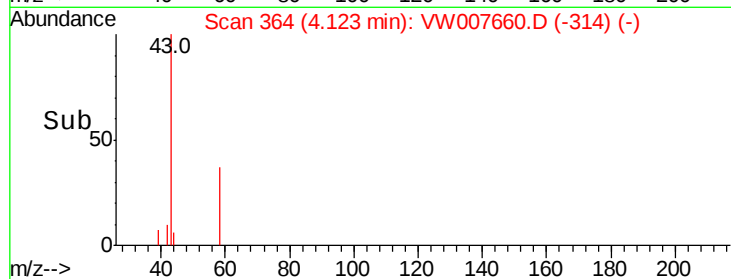
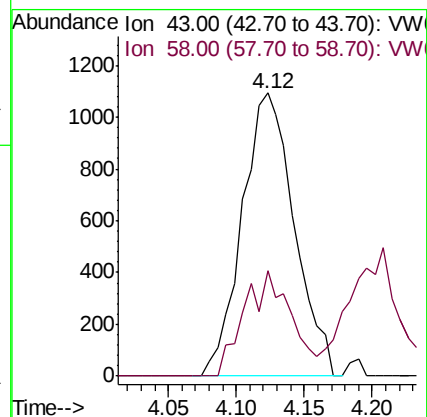
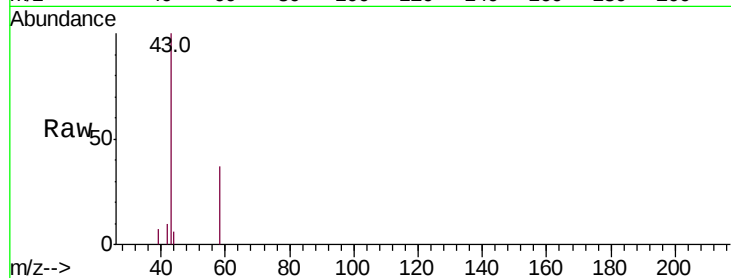




#16
Acetone
Concen: 38.277 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW007660.D
Acq: 18 Dec 2018 16:01

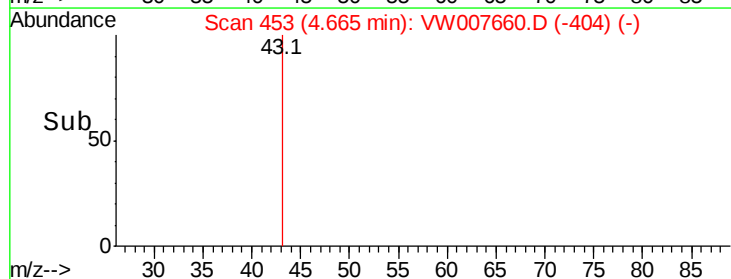
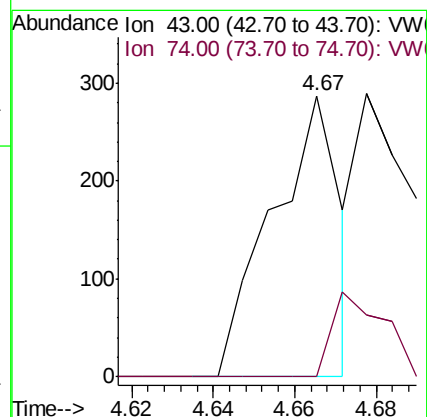
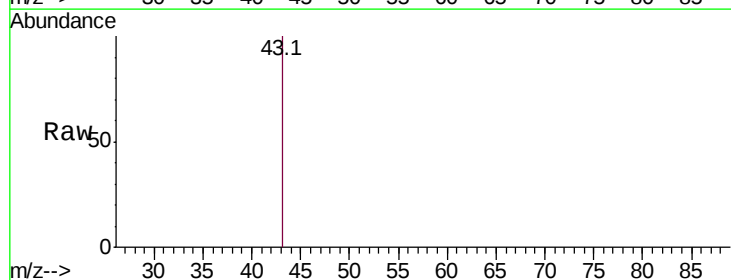
Instrument :
MSVOA_W
ClientSampled :

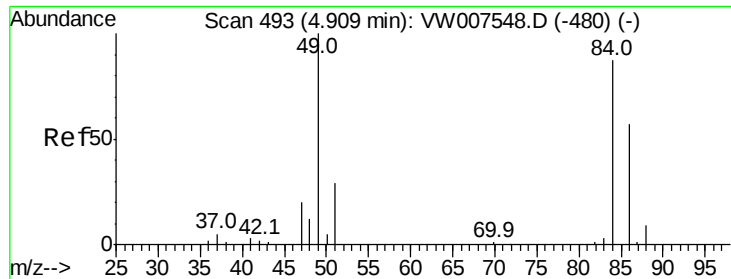
Tot Ion: 43 Resp: 2929
Ion Ratio Lower Upper
43 100
58 37.1 24.9 37.3



#18
Methyl Acetate
Concen: 1.594 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007660.D
Acq: 18 Dec 2018 16:01

Tgt Ion: 43 Resp: 331
Ion Ratio Lower Upper
43 100
74 22.7 21.1 31.7

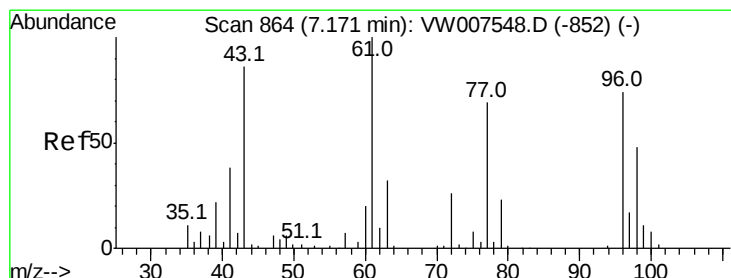
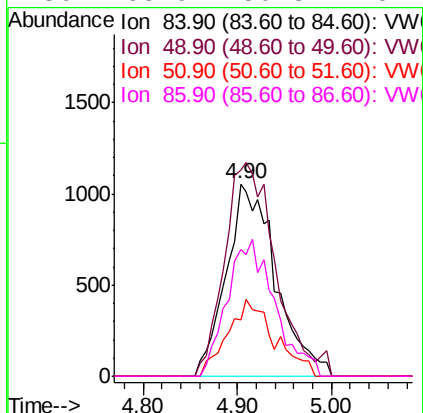
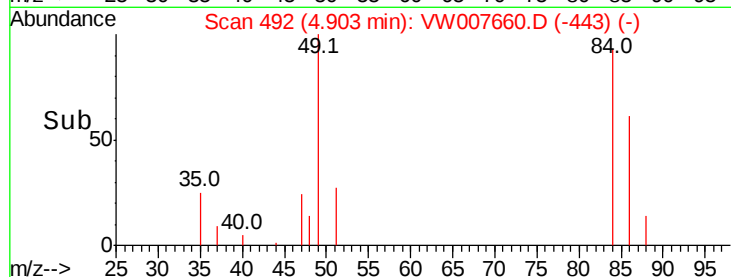
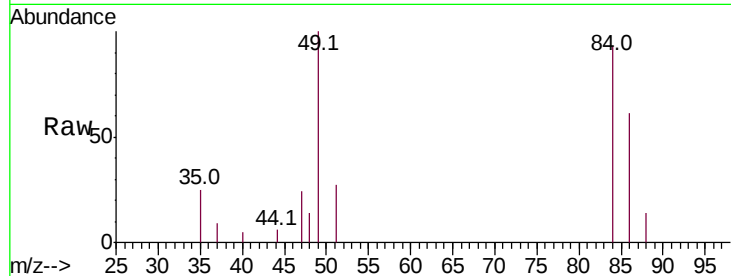




#20
Methvlene Chloride
Concen: 5.794 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW007660.D
Acq: 18 Dec 2018 16:01

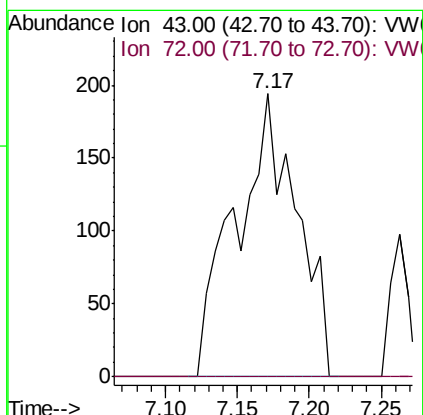
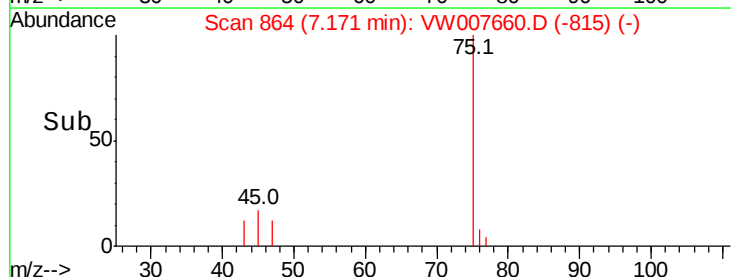
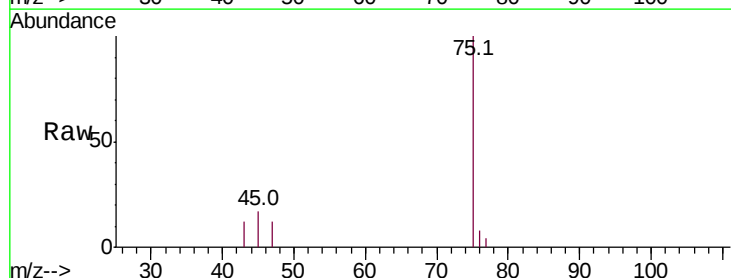
Instrument :
MSVOA_W
ClientSampled :

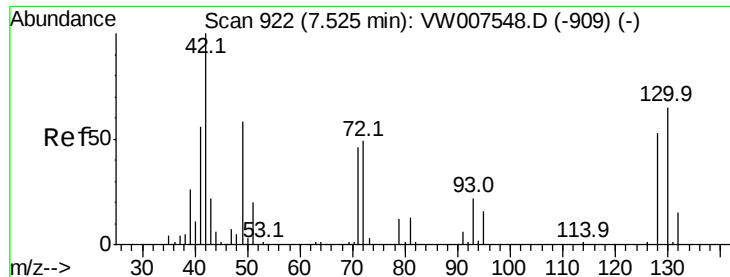
Tot Ion: 84 Resp: 3874
Ion Ratio Lower Upper
84 100
49 107.3 87.1 130.7
51 29.3 28.2 42.2
86 65.9 50.8 76.2



#25
2-Butanone
Concen: 5.706 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007660.D
Acq: 18 Dec 2018 16:01

Tgt Ion: 43 Resp: 570
Ion Ratio Lower Upper
43 100
72 0.0 23.4 35.2#





#29

Tetrahydrofuran

Concen: 1.233 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW007660.D

Acq: 18 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampled :

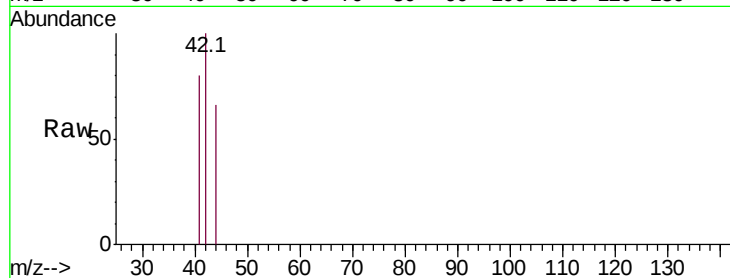
Tot Ion: 42 Resp: 78

Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.4#

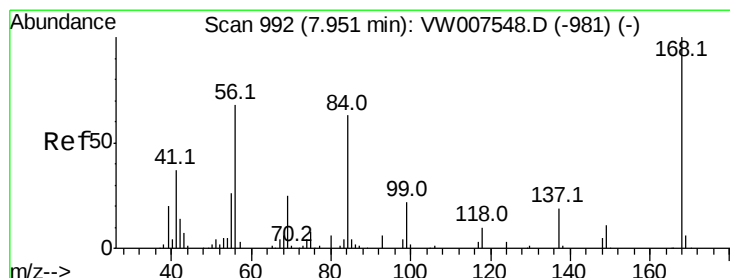
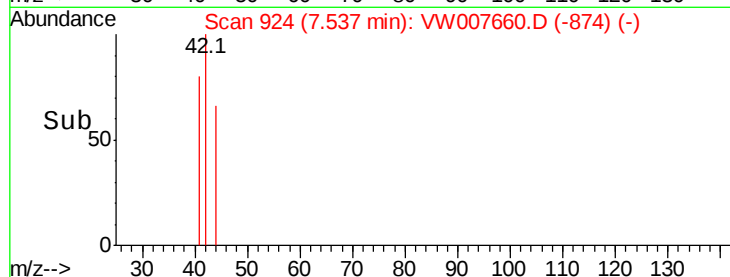
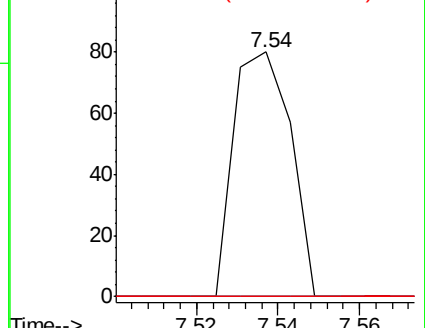
71 0.0 35.5 53.3#



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



#31

Cyclohexane

Concen: 1.253 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007660.D

Acq: 18 Dec 2018 16:01

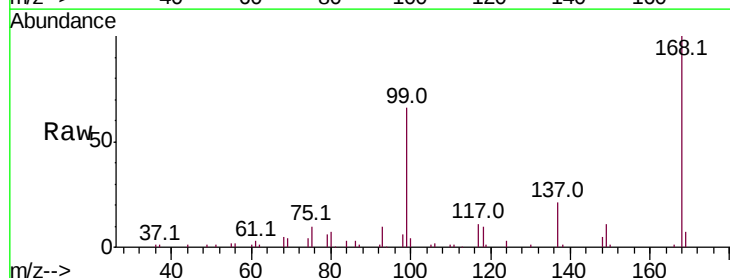
Tgt Ion: 56 Resp: 853

Ion Ratio Lower Upper

56 100

69 210.3 28.9 43.3#

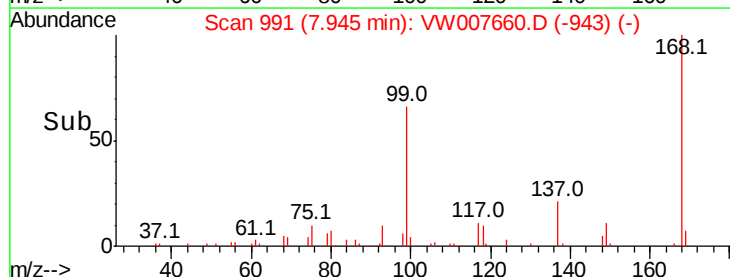
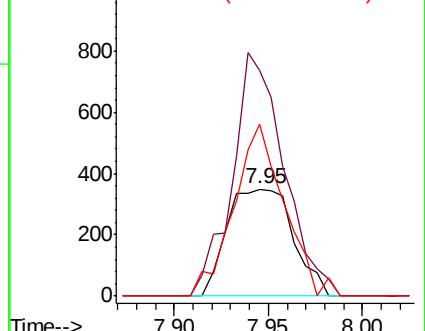
84 160.3 71.8 107.6#

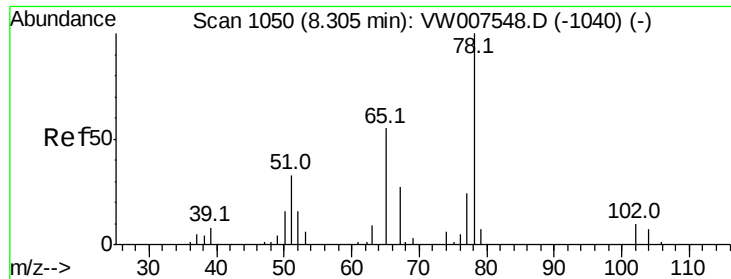


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

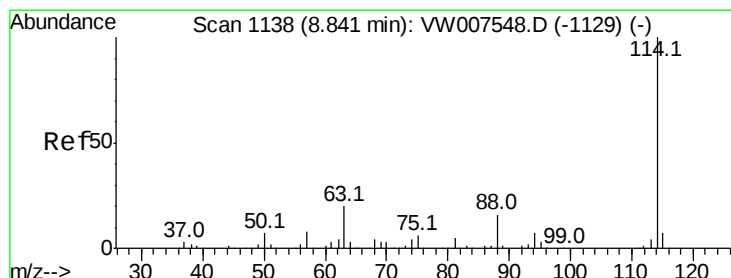
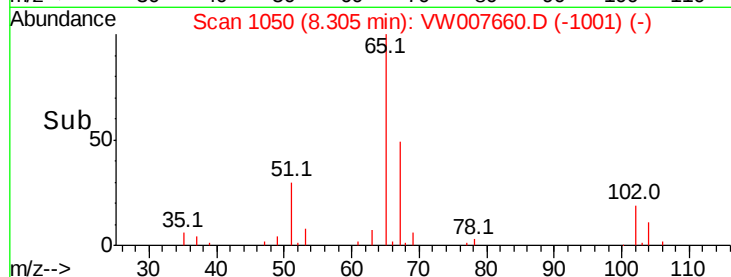
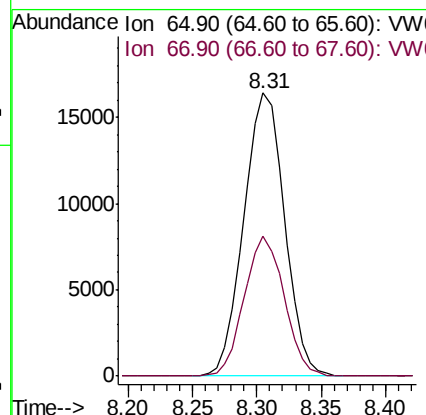
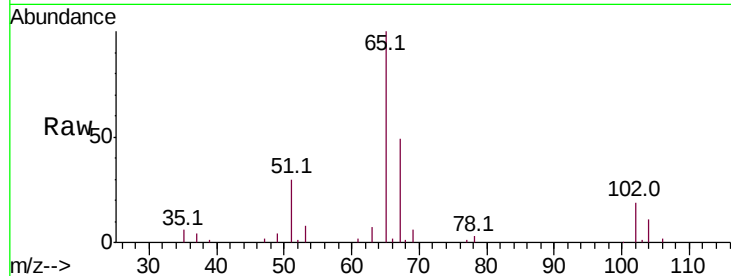




#33
 1,2-Dichloroethane-d4
 Concen: 82.210 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007660.D
 Acq: 18 Dec 2018 16:01

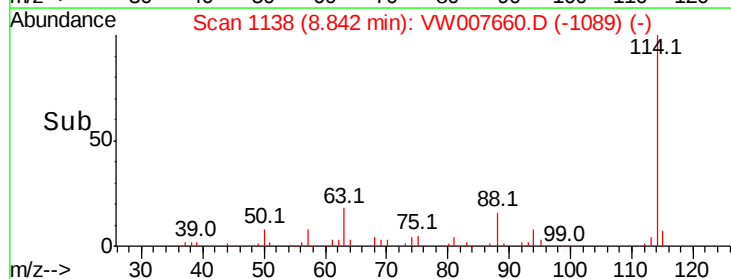
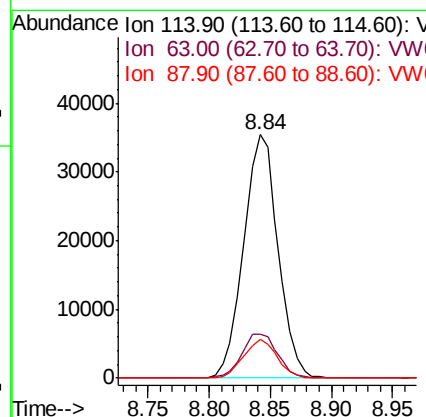
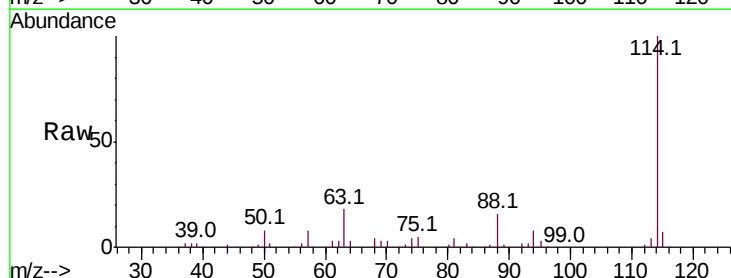
Instrument :
 MSVOA_W
 ClientSampleId :

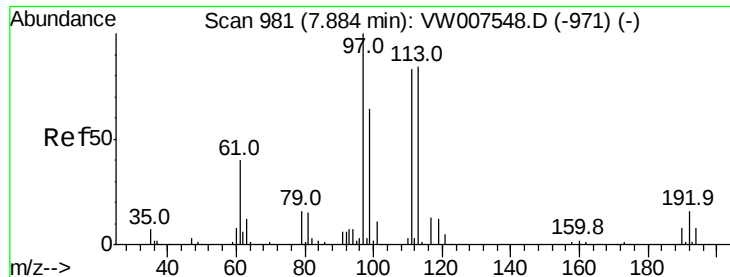
Tot Ion: 65 Resp: 36015
 Ion Ratio Lower Upper
 65 100
 67 48.3 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007660.D
 Acq: 18 Dec 2018 16:01

Tgt Ion: 114 Resp: 69083
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 39.6
 88 15.7 0.0 31.4

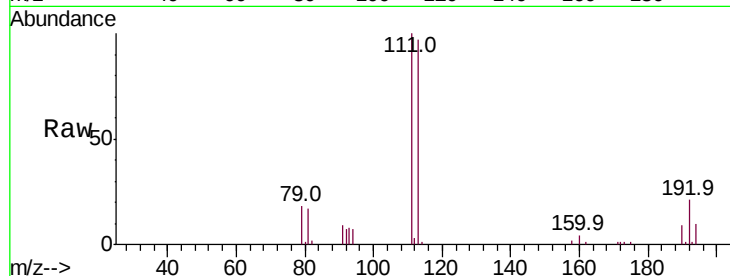




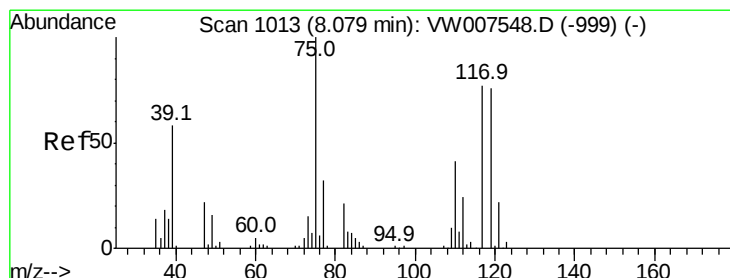
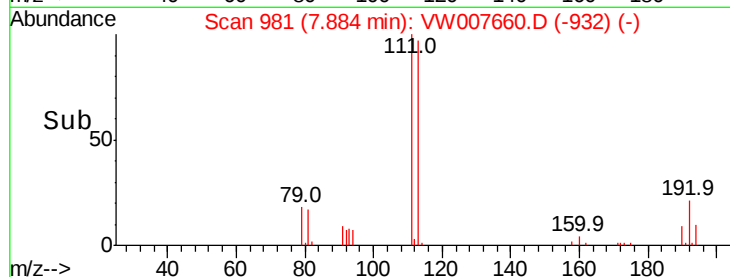
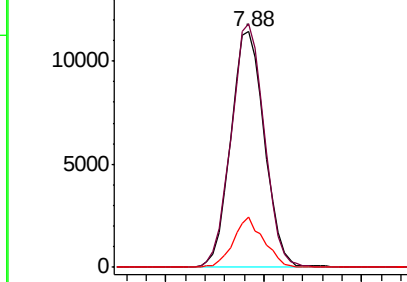
#35
 Dibromofluoromethane
 Concen: 65.327 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007660.D
 Acq: 18 Dec 2018 16:01

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 27319
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.1 121.7
 192 19.0 14.6 21.8

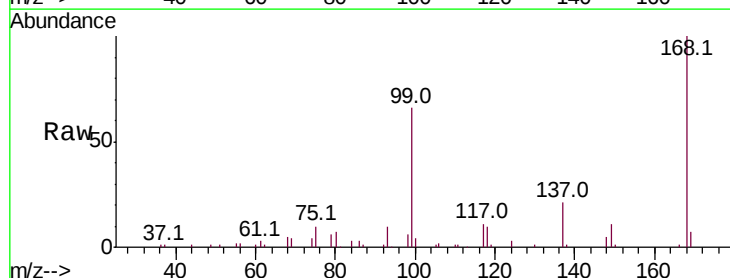


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

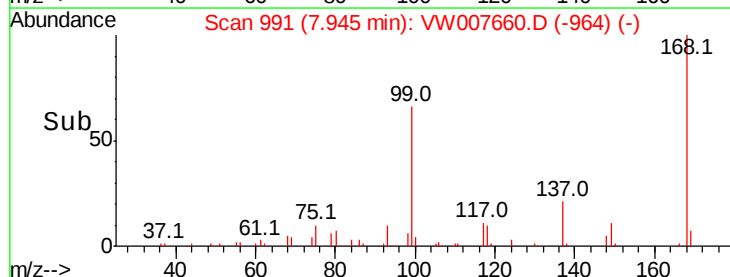
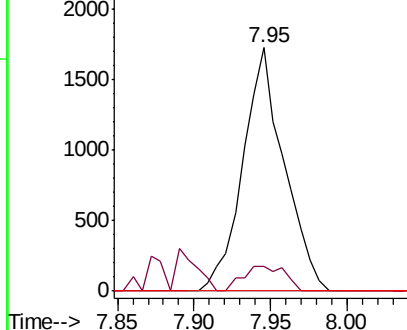


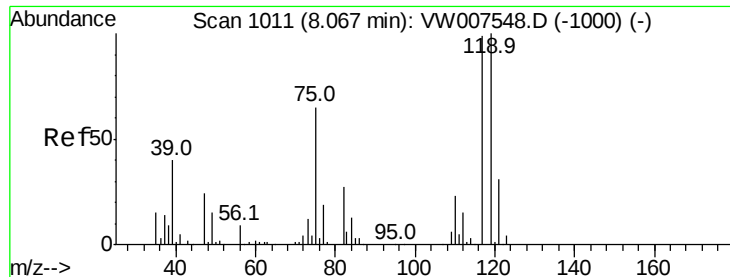
#36
 1,1-Dichloropropene
 Concen: 5.111 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007660.D
 Acq: 18 Dec 2018 16:01

Tgt Ion: 75 Resp: 3221
 Ion Ratio Lower Upper
 75 100
 110 10.5 18.5 55.5#
 77 0.0 25.6 38.4#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

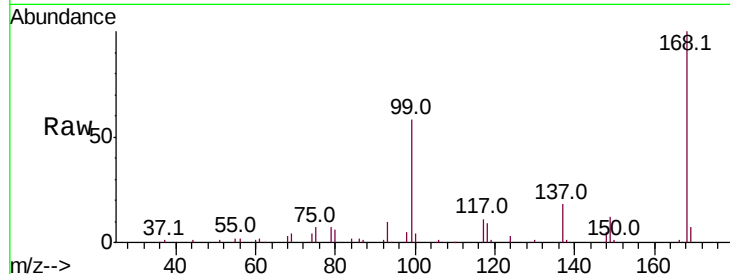




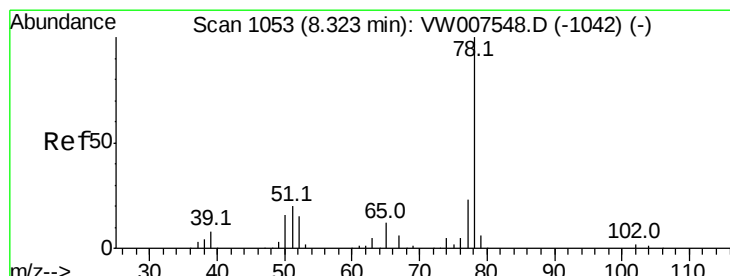
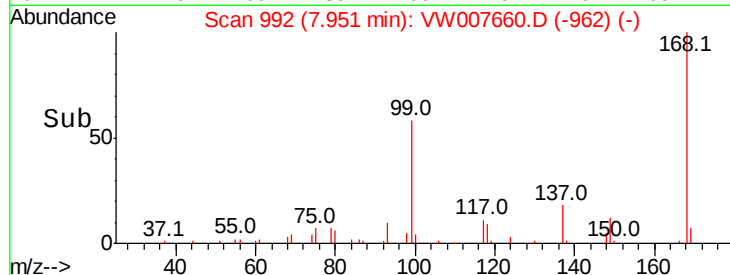
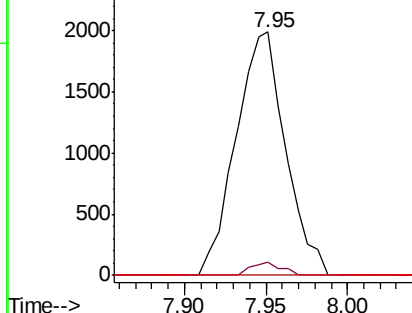
#38
Carbon Tetrachloride
Concen: 6.134 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007660.D
Acq: 18 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 4206
Ion Ratio Lower Upper
117 100
119 5.6 74.3 111.5#
121 0.0 24.3 36.5#

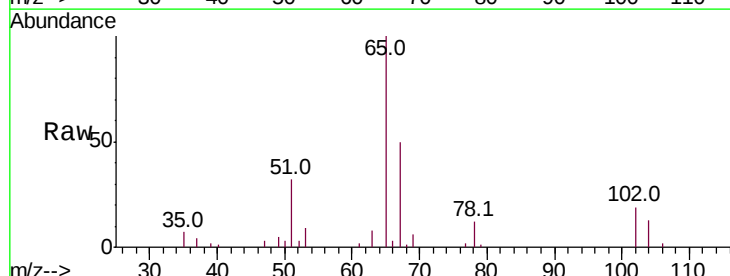


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

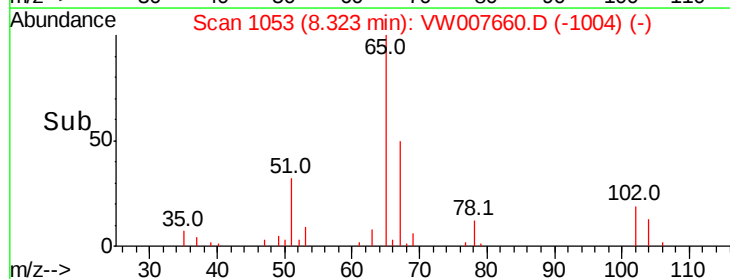
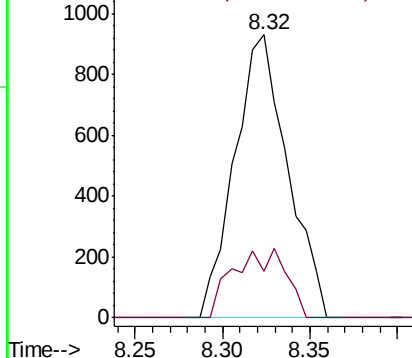


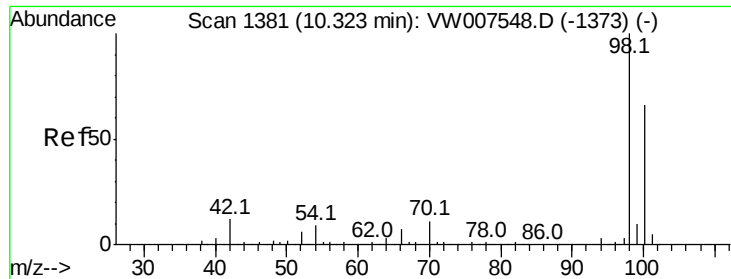
#40
Benzene
Concen: 1.118 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007660.D
Acq: 18 Dec 2018 16:01

Tgt Ion: 78 Resp: 1956
Ion Ratio Lower Upper
78 100
77 16.6 18.8 28.2#



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#50

Toluene-d8

Concen: 41.191 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007660.D

Acq: 18 Dec 2018 16:01

Instrument :

MSVOA_W

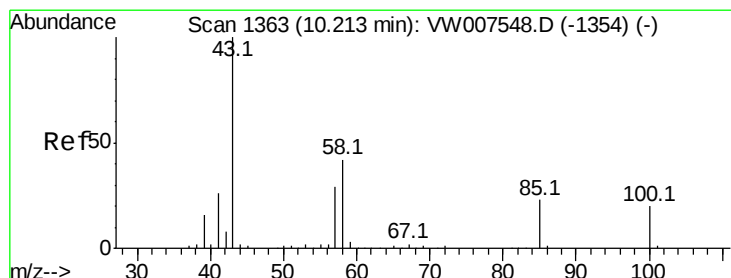
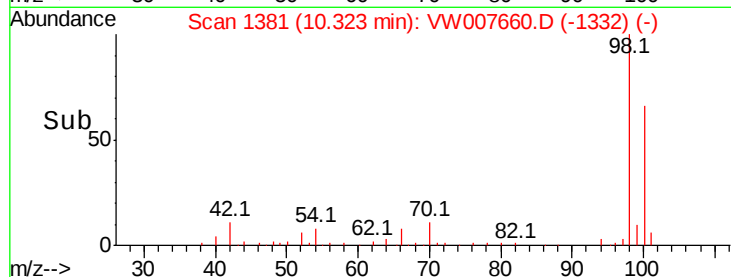
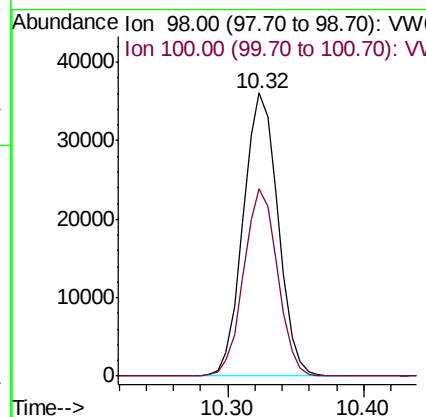
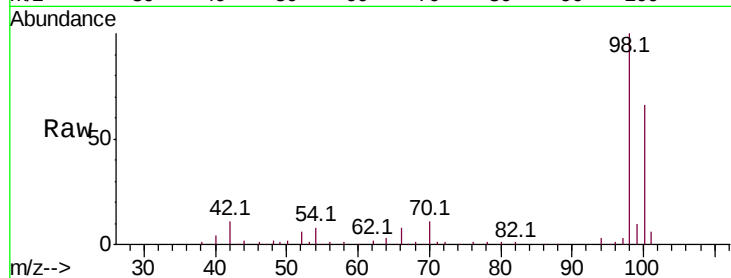
ClientSampled :

Tot Ion: 98 Resp: 64586

Ion Ratio Lower Upper

98 100

100 64.5 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 1.531 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW007660.D

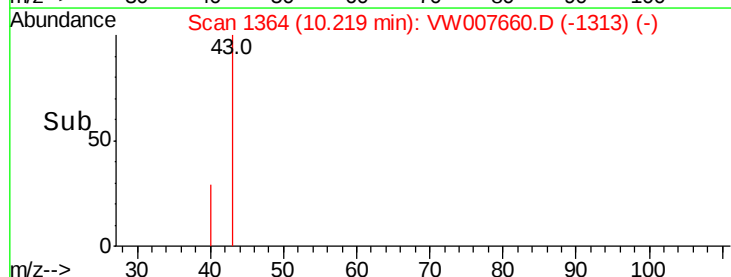
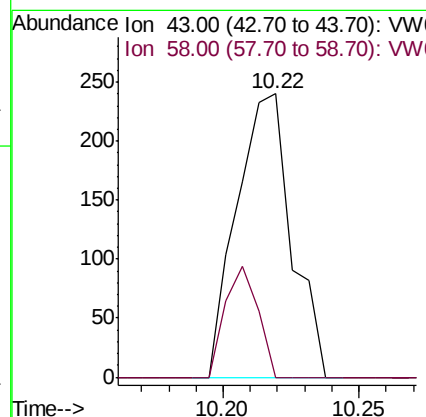
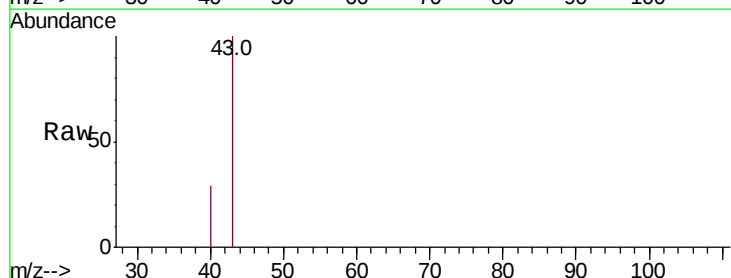
Acq: 18 Dec 2018 16:01

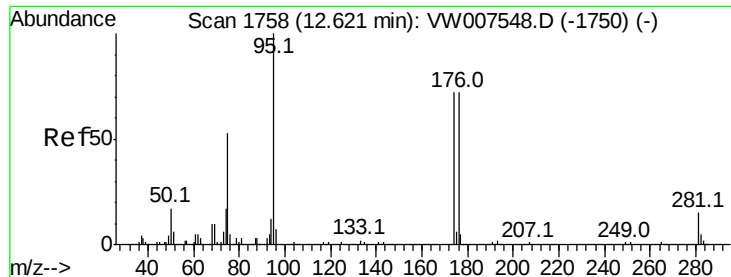
Tgt Ion: 43 Resp: 335

Ion Ratio Lower Upper

43 100

58 23.6 33.1 49.7#

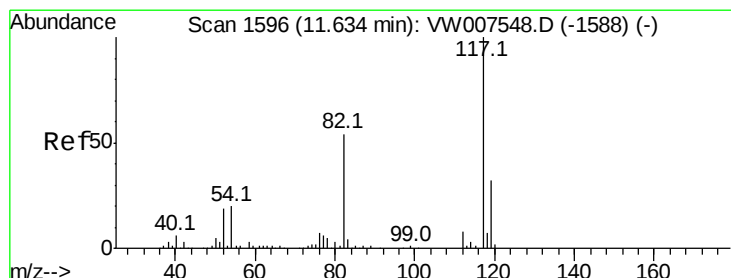
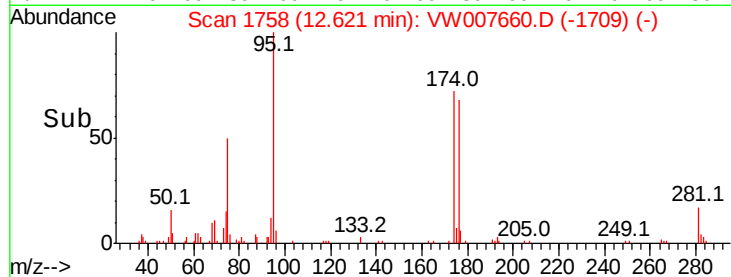
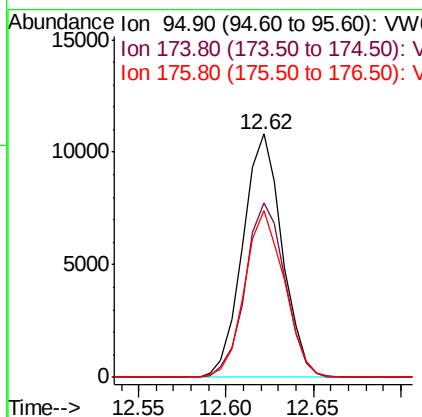
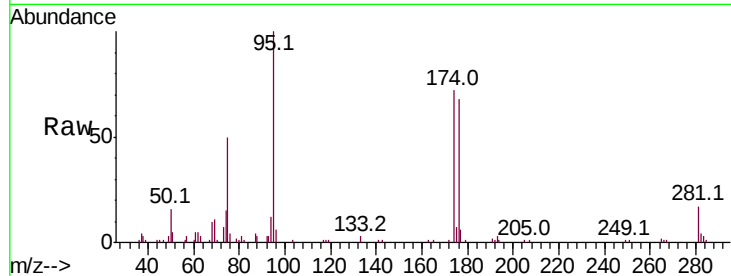




#62
4-Bromofluorobenzene
Concen: 29.358 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007660.D
Acq: 18 Dec 2018 16:01

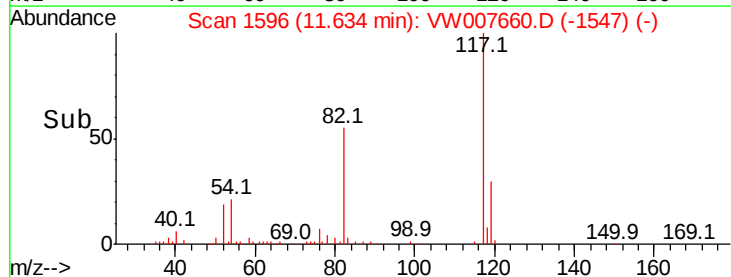
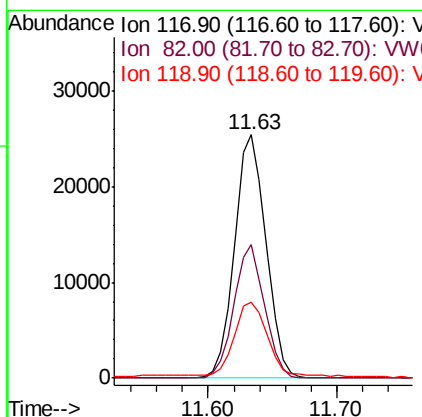
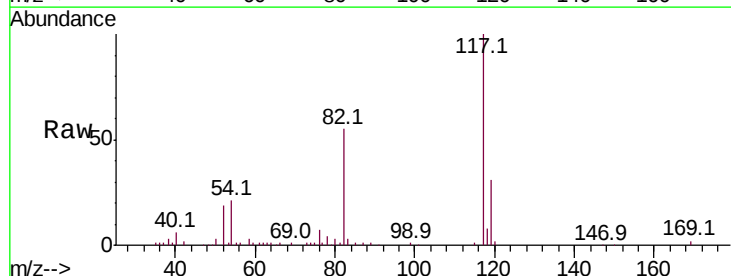
Instrument :
MSVOA_W
ClientSampled :

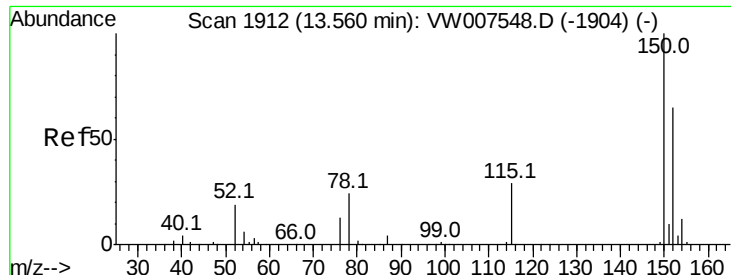
Tot Ion	95	Resp	16925
Ion Ratio	Lower	Upper	
95	100		
174	72.4	0.0	147.2
176	68.8	0.0	138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007660.D
Acq: 18 Dec 2018 16:01

Tgt Ion	117	Resp	43031
Ion Ratio	Lower	Upper	
117	100		
82	54.8	42.3	63.5
119	30.0	23.0	34.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007660.D

Acq: 18 Dec 2018 16:01

Instrument :

MSVOA_W

ClientSampleId :

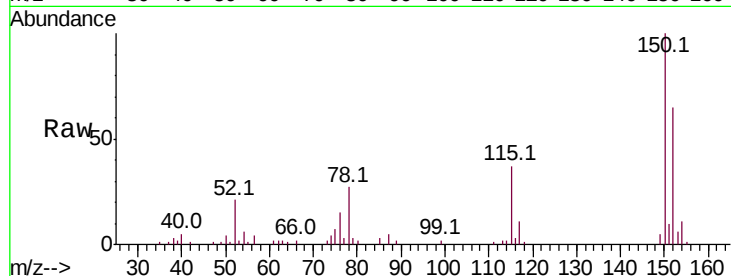
Tot Ion:152 Resp: 10646

Ion Ratio Lower Upper

152 100

115 60.8 31.4 94.2

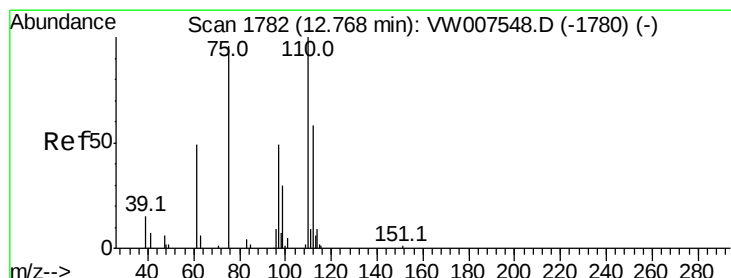
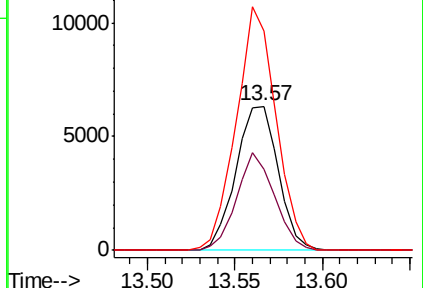
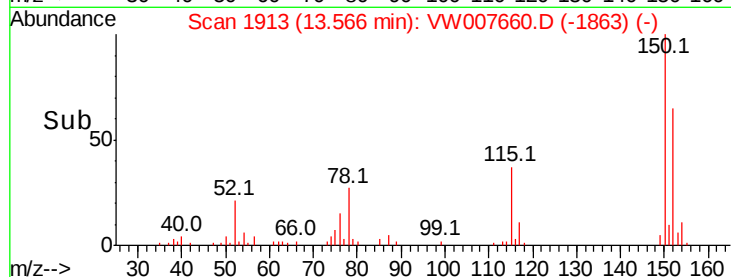
150 158.3 0.0 358.4



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: 98.338 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007660.D

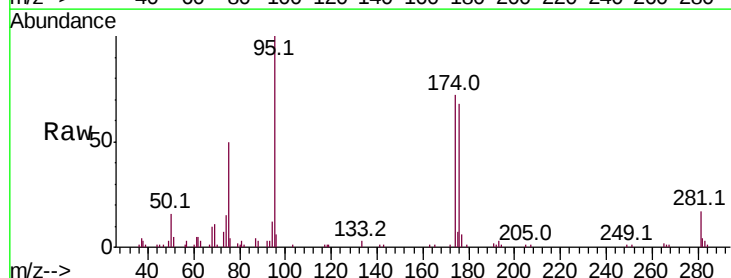
Acq: 18 Dec 2018 16:01

Tgt Ion: 75 Resp: 8632

Ion Ratio Lower Upper

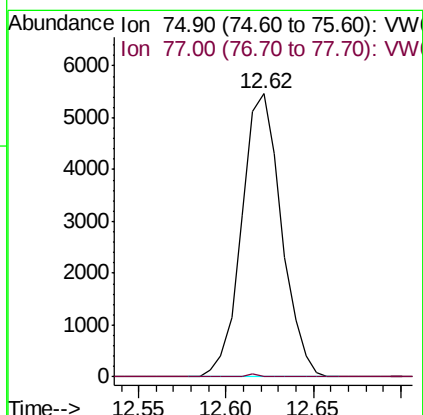
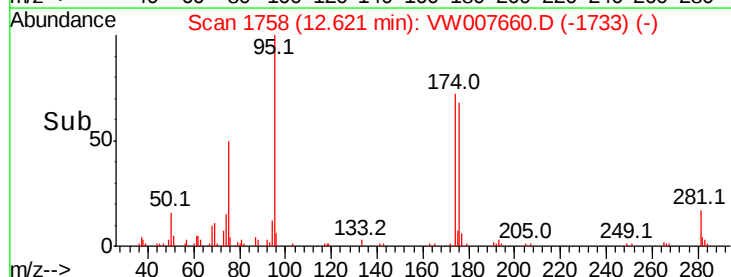
75 100

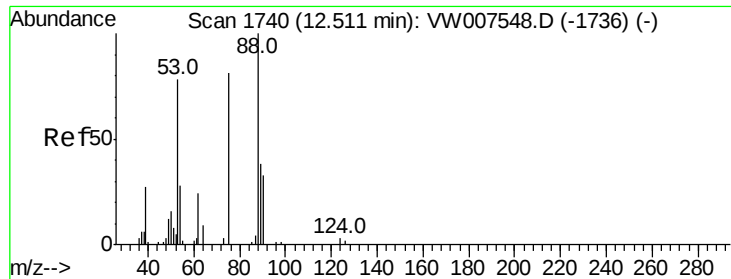
77 0.3 166.9 500.8#



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: 217.228 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW007660.D
Acq: 18 Dec 2018 16:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 8632
Ion Ratio Lower Upper
75 100
53 0.0 84.9 127.3#
89 0.0 40.3 60.5#

