

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122018\
 Data File : VW007680.D
 Acq On : 19 Dec 2018 02:49
 Operator : SY/AP
 Sample : J6386-02
 Misc : 4.91G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 06:01:45 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	22164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	42464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	31076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	7933	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	24257	98.65	ug/l	0.00
Spiked Amount			Recovery	=	197.30%	
35) Dibromofluoromethane	7.88	113	17238	67.06	ug/l	0.00
Spiked Amount			Recovery	=	134.12%	
50) Toluene-d8	10.32	98	40615	42.14	ug/l	0.00
Spiked Amount			Recovery	=	84.28%	
62) 4-Bromofluorobenzene	12.62	95	10928	30.84	ug/l	0.00
Spiked Amount			Recovery	=	61.68%	

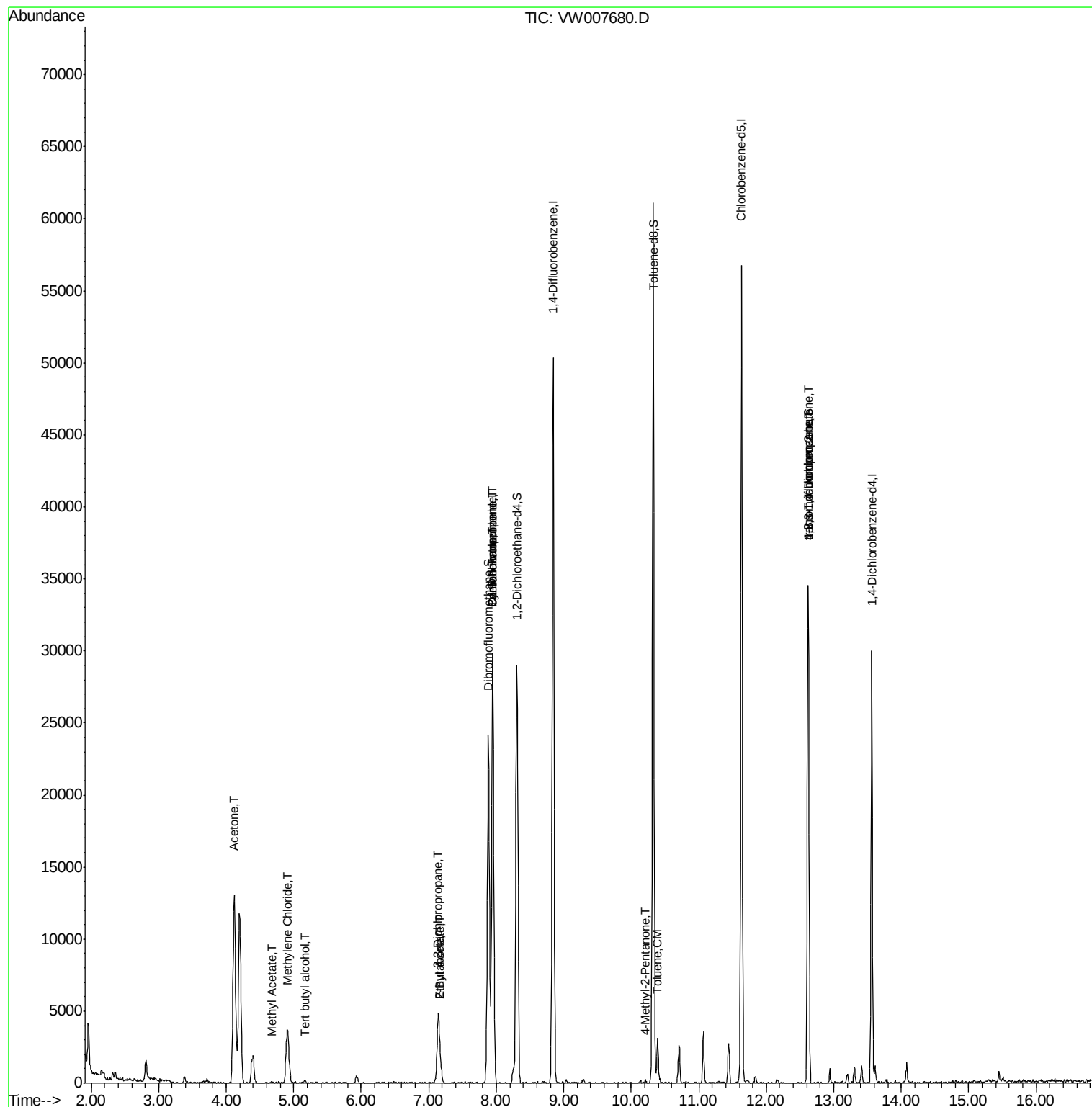
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	259	15.337	ug/l #	74
16) Acetone	4.12	43	22456	522.840	ug/l	97
18) Methyl Acetate	4.67	43	256	2.196	ug/l #	49
20) Methylene Chloride	4.91	84	3123	10.176	ug/l #	85
25) 2-Butanone	7.17	43	1381	24.629	ug/l #	88
26) 2,2-Dichloropropane	7.13	77	345	1.252	ug/l #	52
31) Cyclohexane	7.95	56	478	1.251	ug/l #	52
36) 1,1-Dichloropropene	7.95	75	1563	4.035	ug/l #	41
37) Ethyl Acetate	7.17	43	1381	9.585	ug/l #	68
38) Carbon Tetrachloride	7.95	117	2286	5.424	ug/l #	13
51) 4-Methyl-2-Pentanone	10.21	43	196	1.458	ug/l #	67
52) Toluene	10.39	92	1371	1.971	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	6003	91.775	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	6003	202.732	ug/l #	7

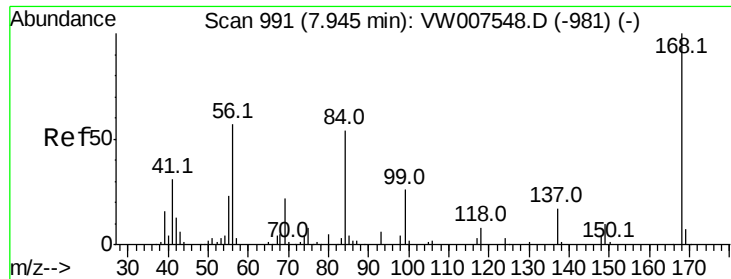
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007680.D

Acq: 19 Dec 2018 02:49

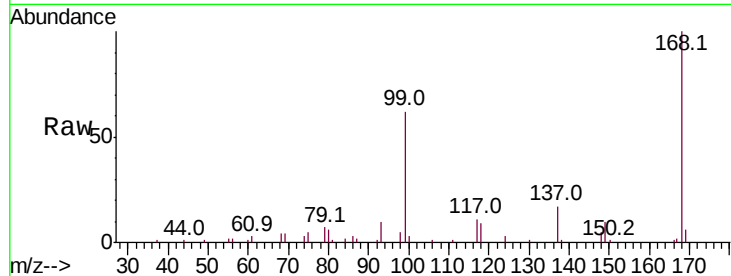
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 22164

Ion Ratio Lower Upper

168 100

99 61.5 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

10000

8000

6000

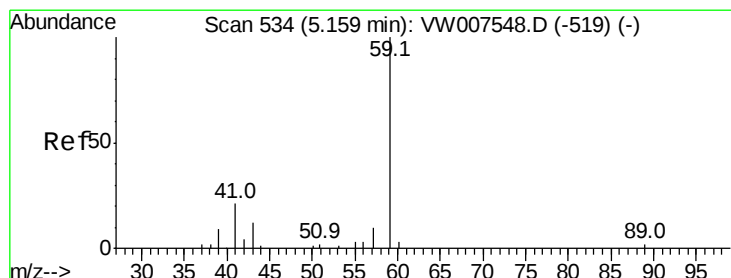
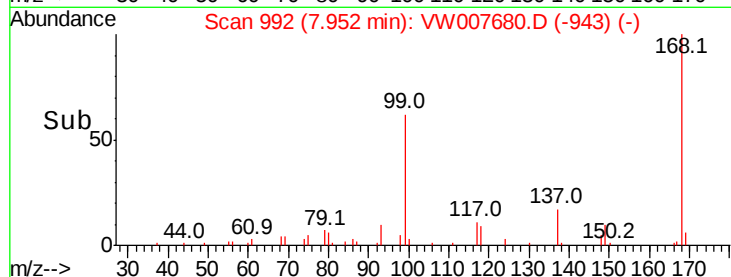
4000

2000

0

Time-->

7.85 7.90 7.95 8.00



#11

Tert butyl alcohol

Concen: 15.337 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW007680.D

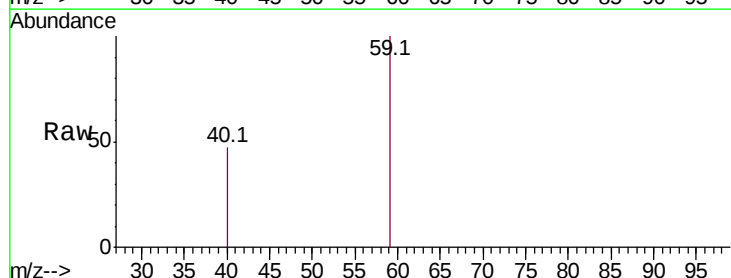
Acq: 19 Dec 2018 02:49

Tgt Ion: 59 Resp: 259

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

5.17

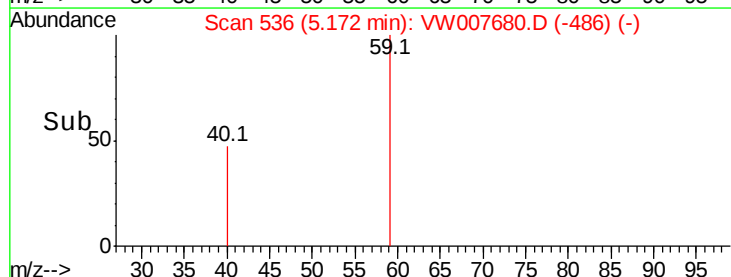
100

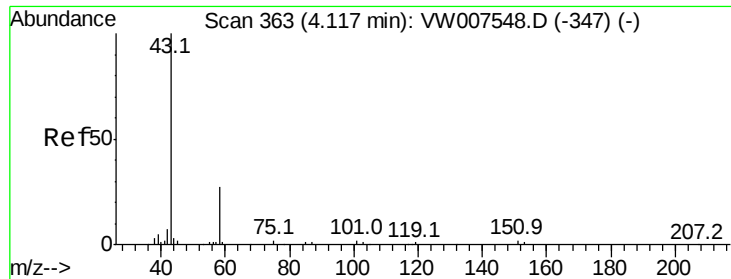
50

0

Time-->

5.15 5.20

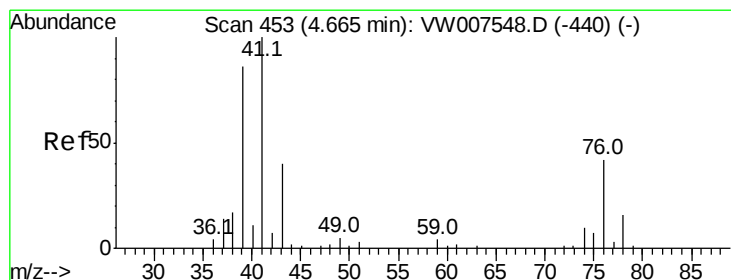
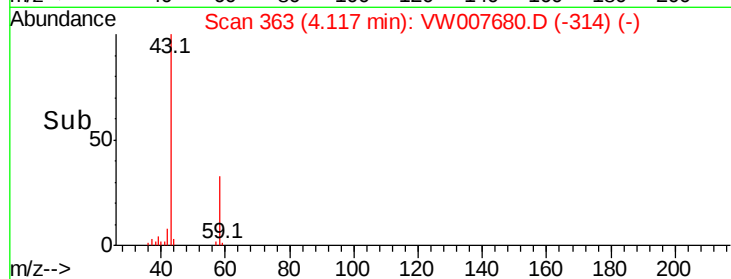
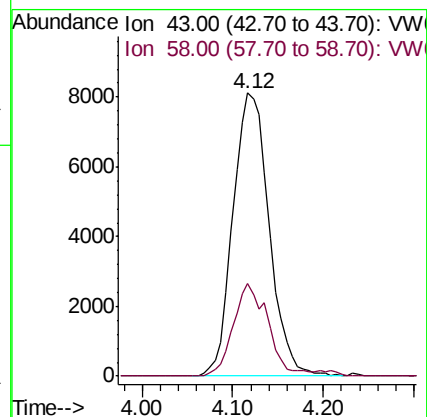
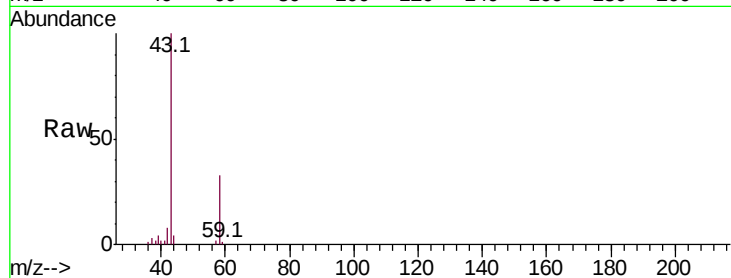




#16
Acetone
Concen: 522.840 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW007680.D
Acq: 19 Dec 2018 02:49

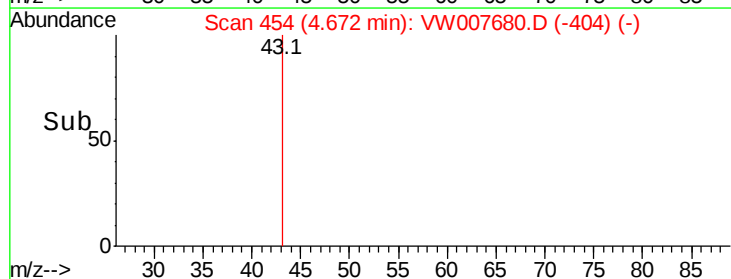
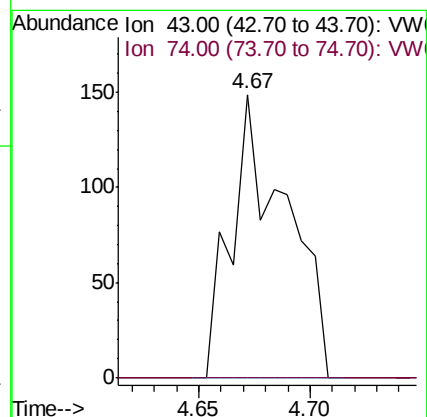
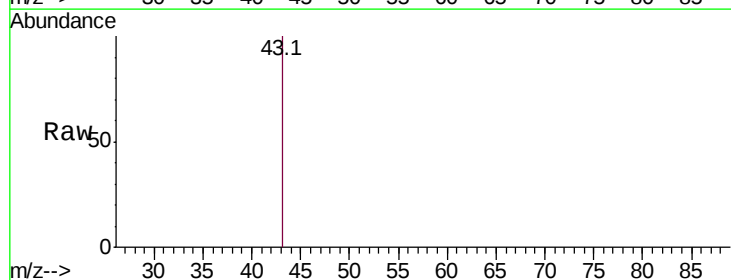
Instrument :
MSVOA_W
ClientSampled :

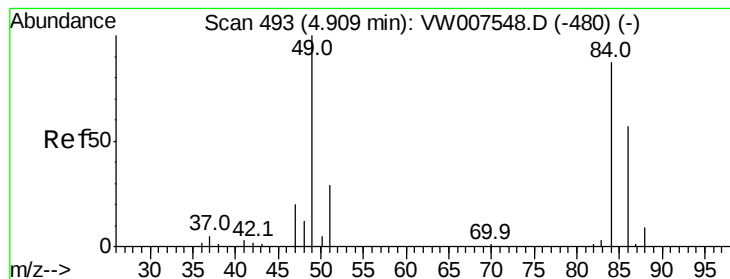
Tot Ion: 43 Resp: 22456
Ion Ratio Lower Upper
43 100
58 32.9 24.9 37.3



#18
Methyl Acetate
Concen: 2.196 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007680.D
Acq: 19 Dec 2018 02:49

Tgt Ion: 43 Resp: 256
Ion Ratio Lower Upper
43 100
74 0.0 21.1 31.7#





#20

Methylene Chloride

Concen: 10.176 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007680.D

Acq: 19 Dec 2018 02:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 3123

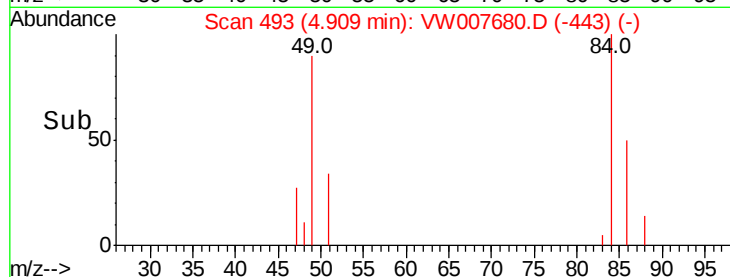
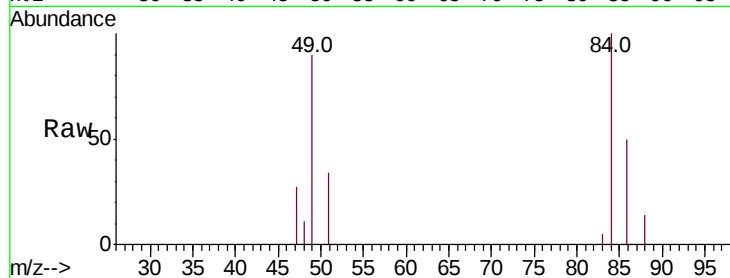
Ion	Ratio	Lower	Upper
84	100		
49	90.1	87.1	130.7
51	33.8	28.2	42.2
86	50.5	50.8	76.2#

84 100

49 90.1 87.1 130.7

51 33.8 28.2 42.2

86 50.5 50.8 76.2#

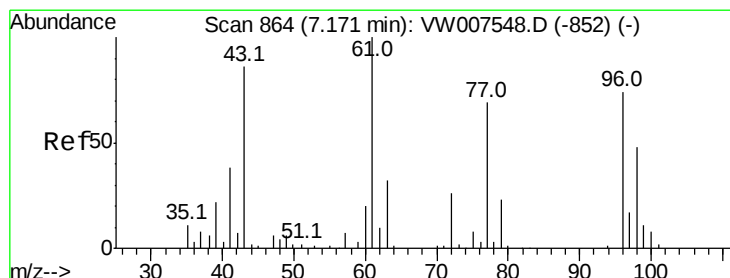
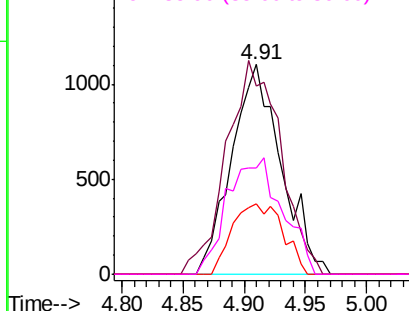


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 24.629 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007680.D

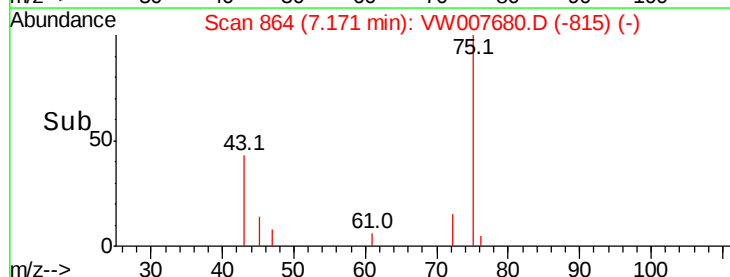
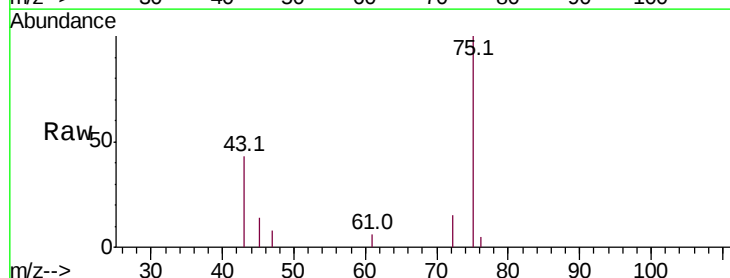
Acq: 19 Dec 2018 02:49

Tgt Ion: 43 Resp: 1381

Ion	Ratio	Lower	Upper
43	100		
72	35.8	23.4	35.2#

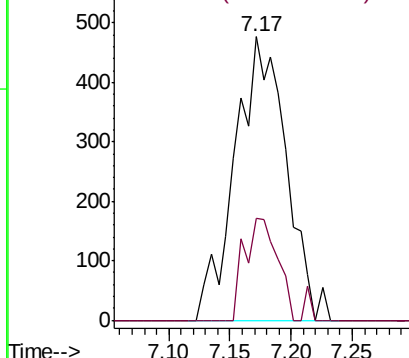
43 100

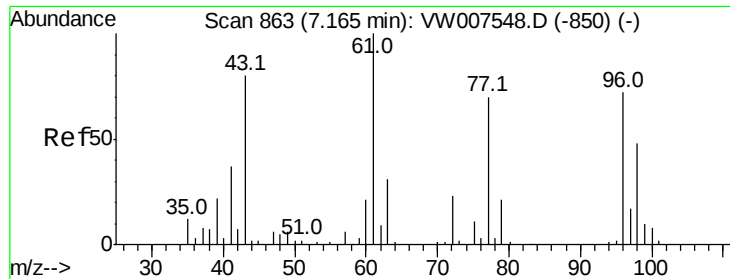
72 35.8 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

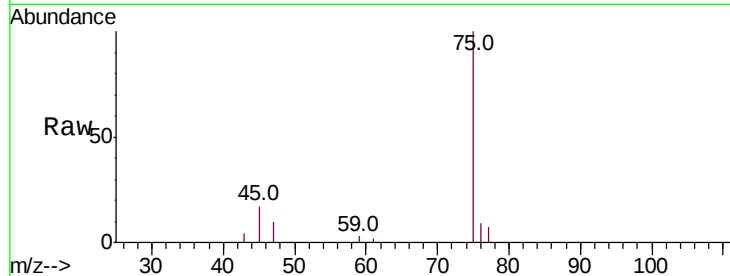




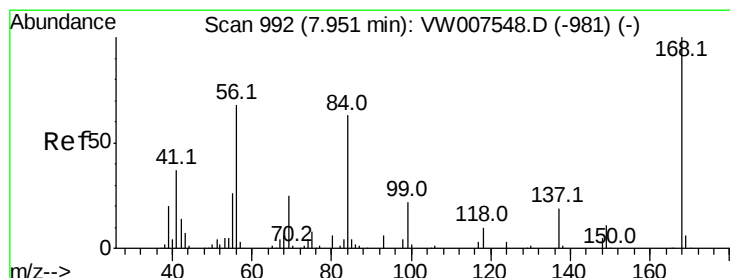
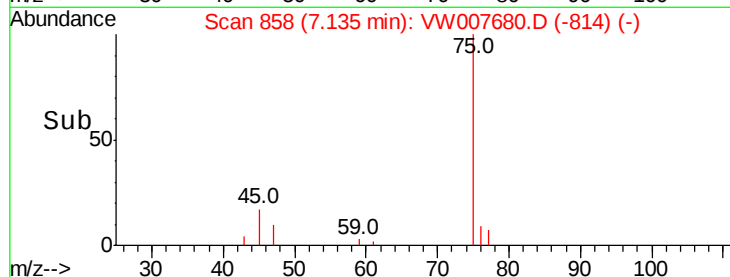
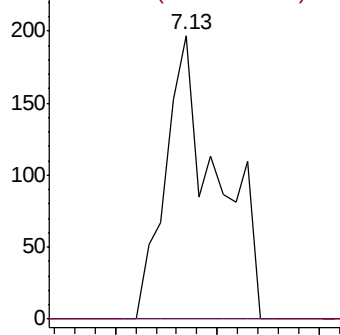
#26
 2,2-Dichloropropane
 Concen: 1.252 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.03 min
 Lab File: VW007680.D
 Acq: 19 Dec 2018 02:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 77 Resp: 345
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.6 34.8#

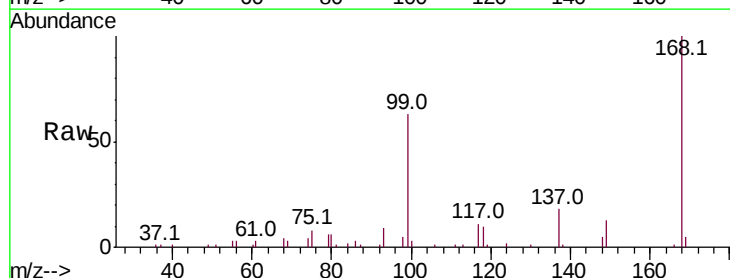


Abundance Ion 76.90 (76.60 to 77.60): VW
 Ion 96.90 (96.60 to 97.60): VW

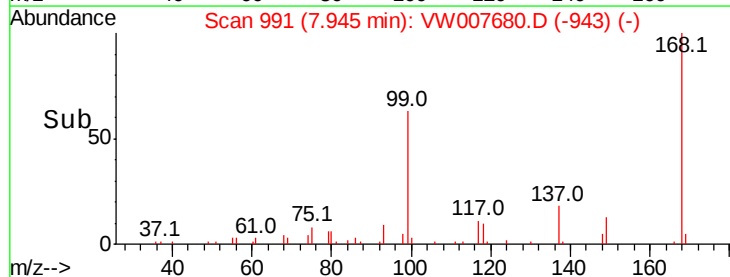
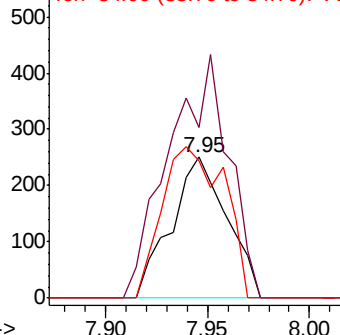


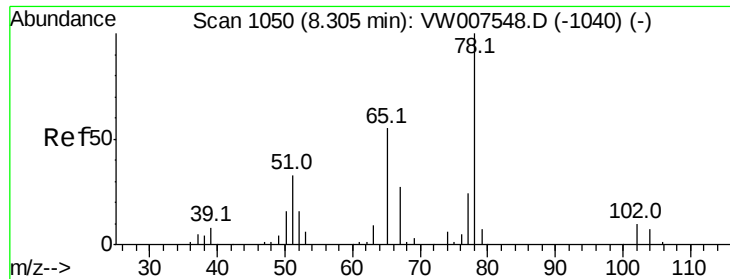
#31
 Cyclohexane
 Concen: 1.251 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VW007680.D
 Acq: 19 Dec 2018 02:49

Tgt Ion: 56 Resp: 478
 Ion Ratio Lower Upper
 56 100
 69 121.6 28.9 43.3#
 84 97.6 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

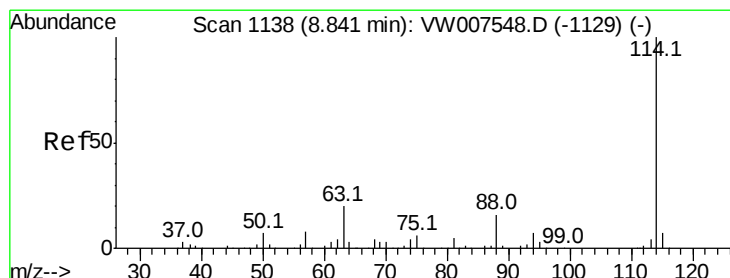
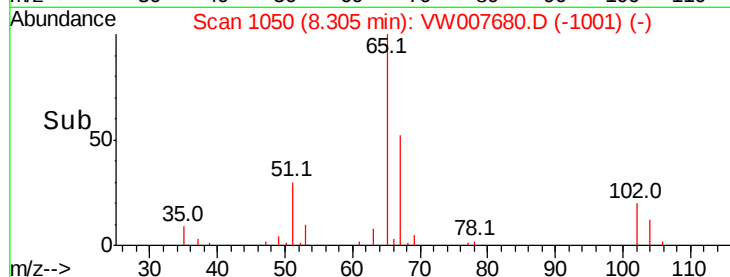
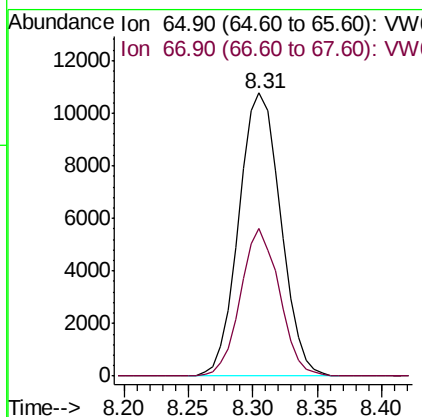
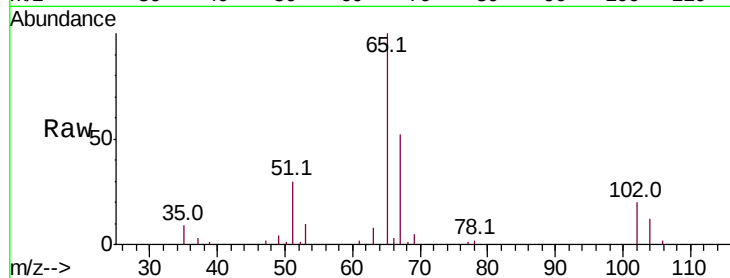




#33
 1,2-Dichloroethane-d4
 Concen: 98.649 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007680.D
 Acq: 19 Dec 2018 02:49

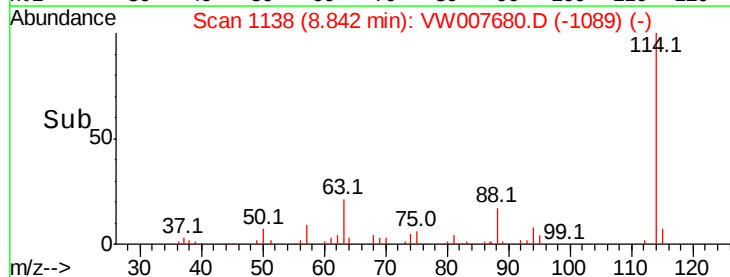
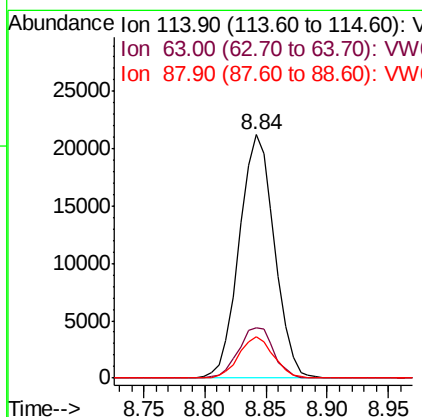
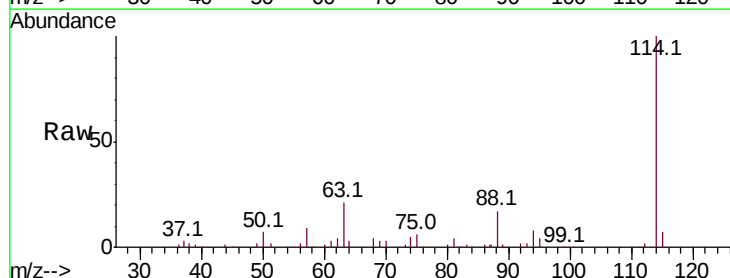
Instrument :
 MSVOA_W
 ClientSampled :

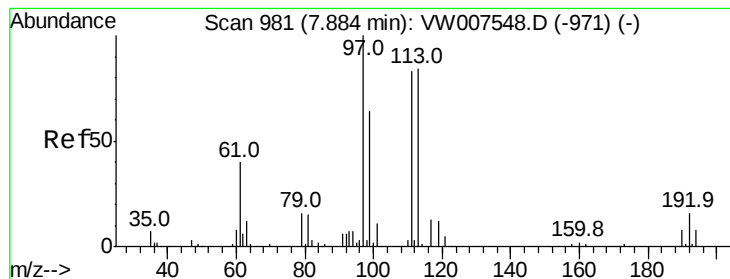
Tot Ion: 65 Resp: 24257
 Ion Ratio Lower Upper
 65 100
 67 48.5 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007680.D
 Acq: 19 Dec 2018 02:49

Tgt Ion: 114 Resp: 42464
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.6
 88 17.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 67.060 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007680.D

Acq: 19 Dec 2018 02:49

Instrument :
MSVOA_W
ClientSampleId :

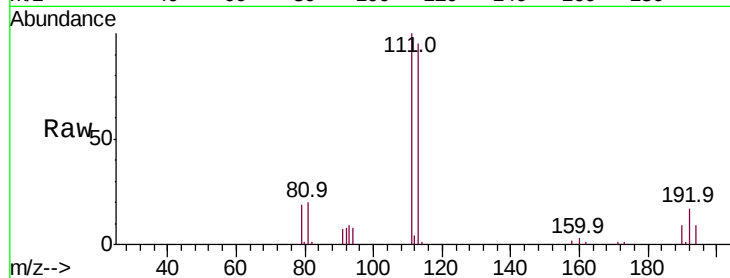
Tot Ion:113 Resp: 17238

Ion Ratio Lower Upper

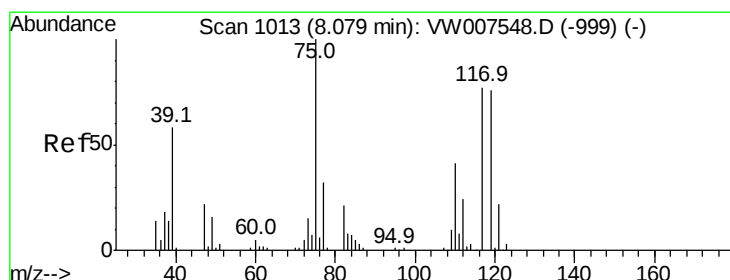
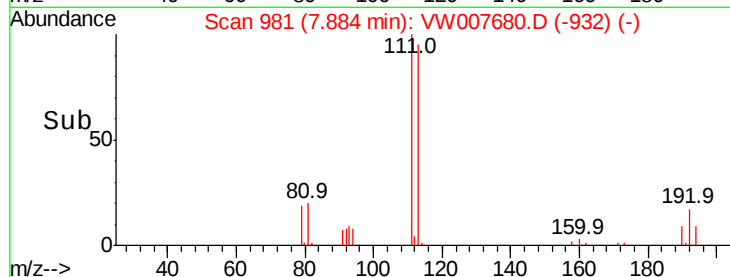
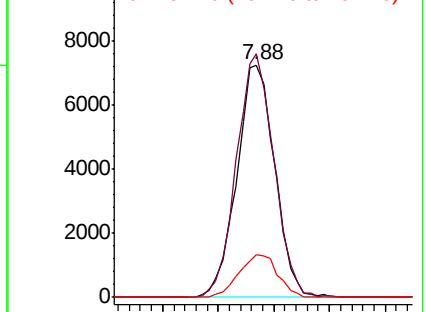
113 100

111 103.3 81.1 121.7

192 18.6 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: 4.035 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007680.D

Acq: 19 Dec 2018 02:49

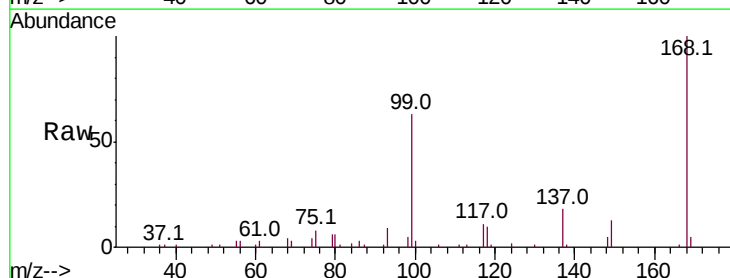
Tgt Ion: 75 Resp: 1563

Ion Ratio Lower Upper

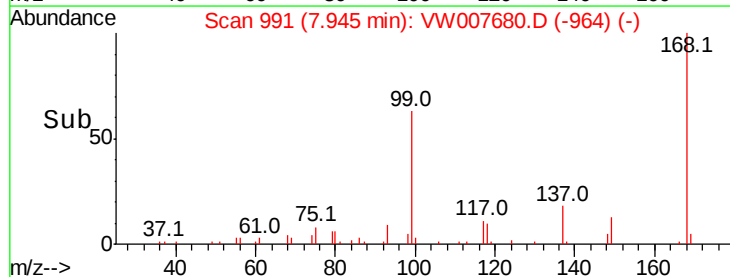
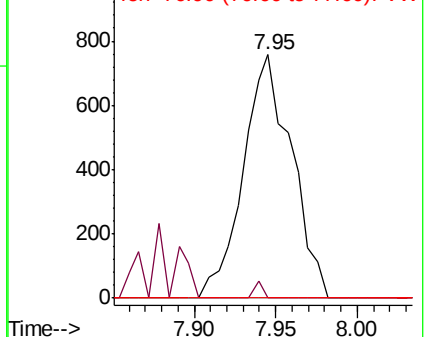
75 100

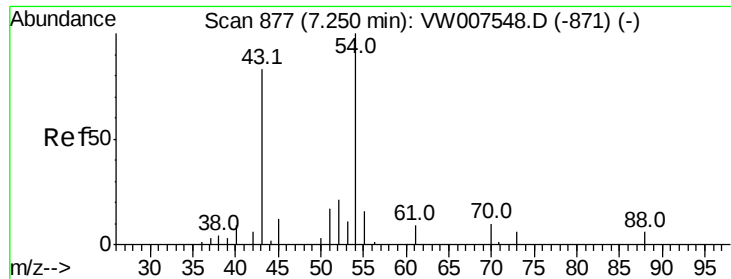
110 1.3 18.5 55.5#

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

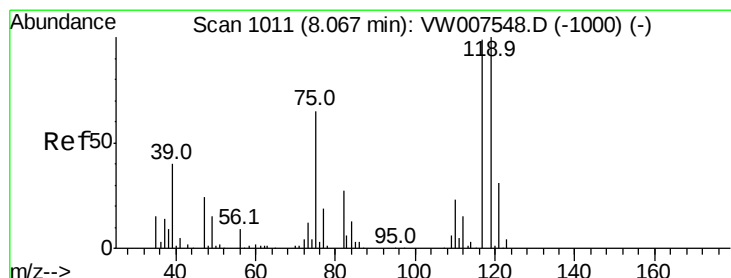
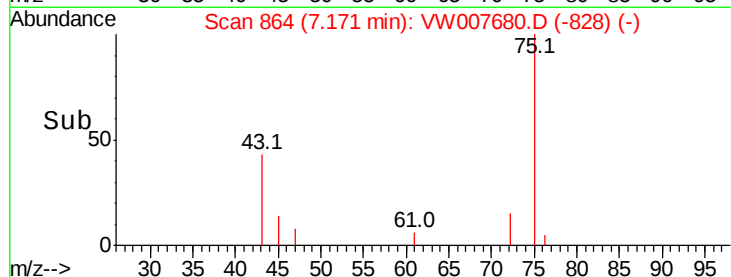
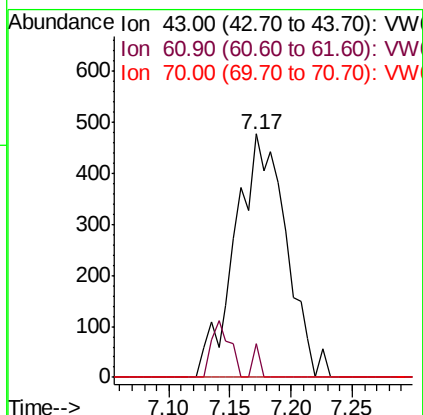
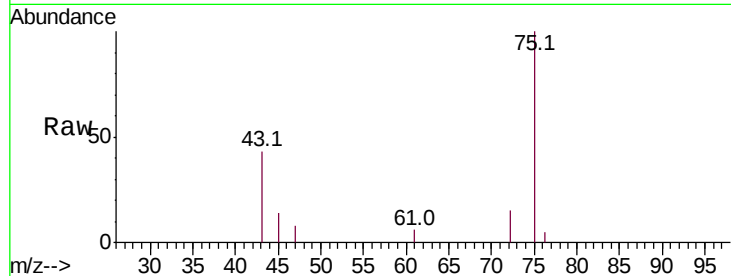




#37
Ethyl Acetate
Concen: 9.585 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.08 min
Lab File: VW007680.D
Acq: 19 Dec 2018 02:49

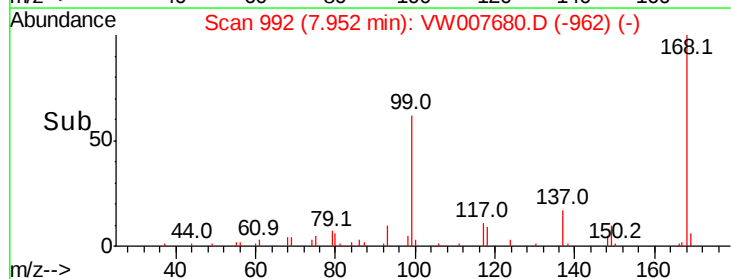
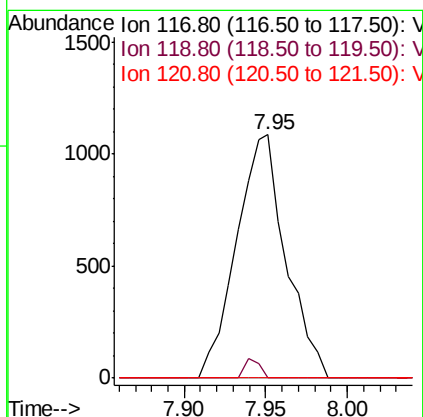
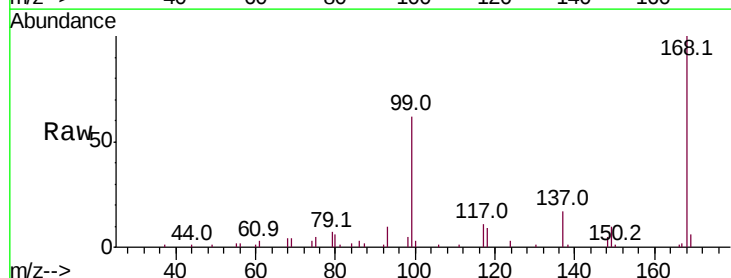
Instrument :
MSVOA_W
ClientSampleId :

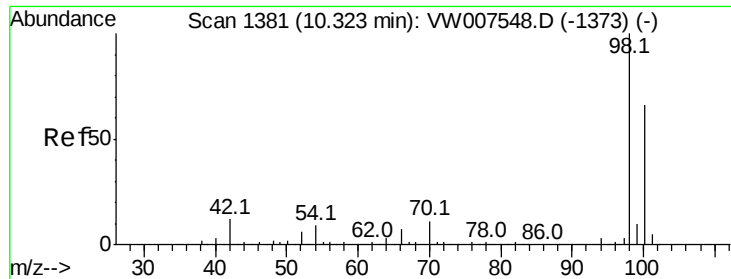
Tot Ion: 43 Resp: 1381
Ion Ratio Lower Upper
43 100
61 1.7 12.1 18.1#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 5.424 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007680.D
Acq: 19 Dec 2018 02:49

Tgt Ion: 117 Resp: 2286
Ion Ratio Lower Upper
117 100
119 0.0 74.3 111.5#
121 0.0 24.3 36.5#





#50

Toluene-d8

Concen: 42.140 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007680.D

Acq: 19 Dec 2018 02:49

Instrument :

MSVOA_W

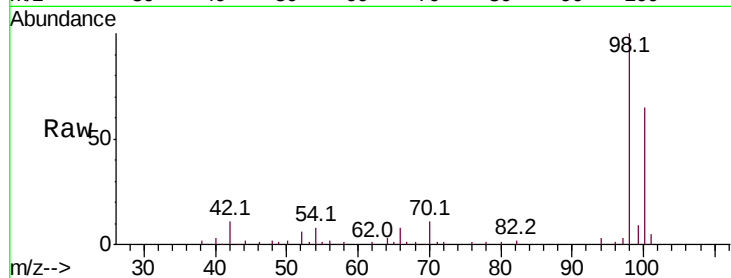
ClientSampled :

Tot Ion: 98 Resp: 40615

Ion Ratio Lower Upper

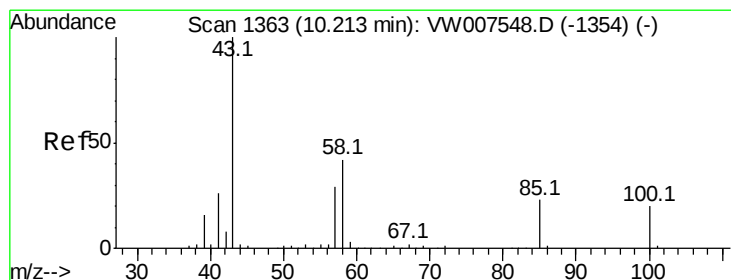
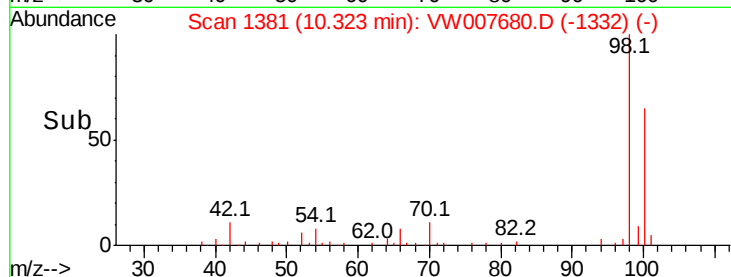
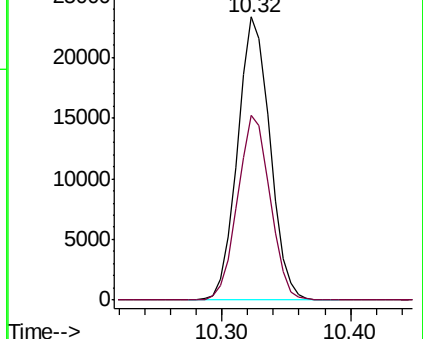
98 100

100 65.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.458 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007680.D

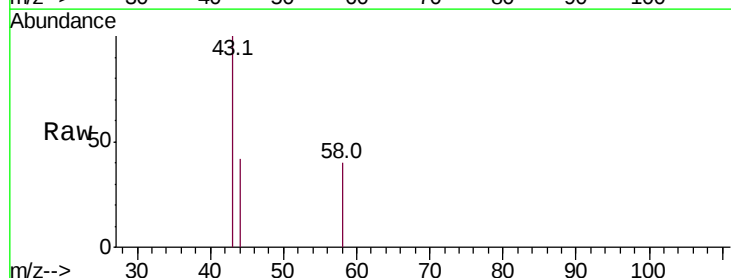
Acq: 19 Dec 2018 02:49

Tgt Ion: 43 Resp: 196

Ion Ratio Lower Upper

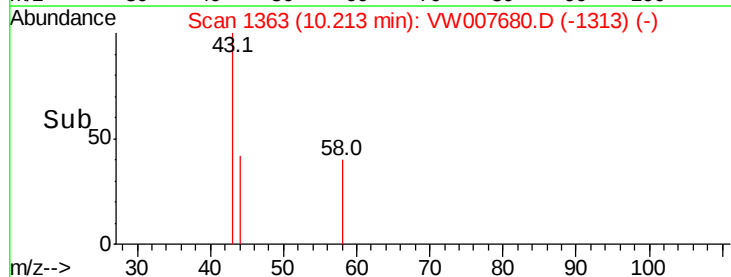
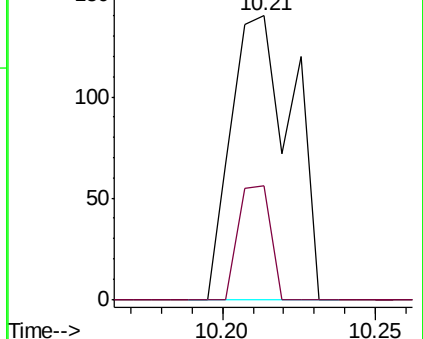
43 100

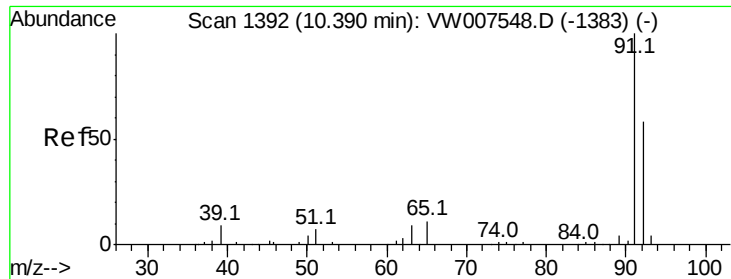
58 20.9 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 1.971 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007680.D

Acq: 19 Dec 2018 02:49

Instrument :

MSVOA_W

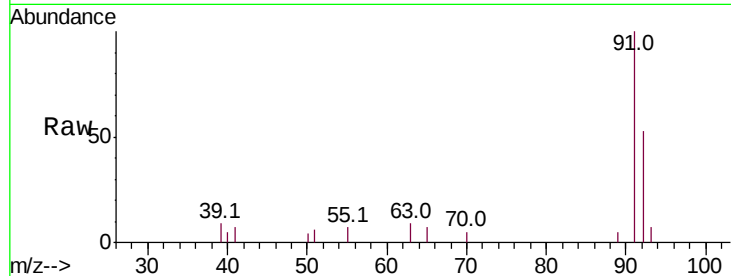
ClientSampleId :

Tot Ion: 92 Resp: 1371

Ion Ratio Lower Upper

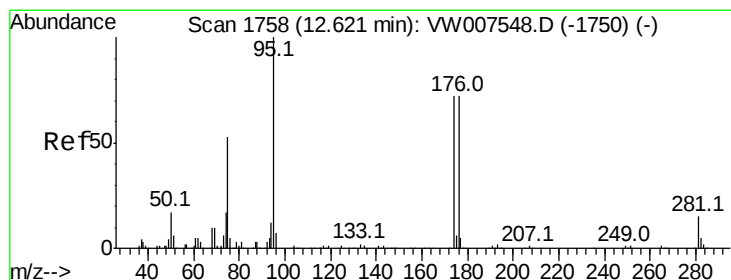
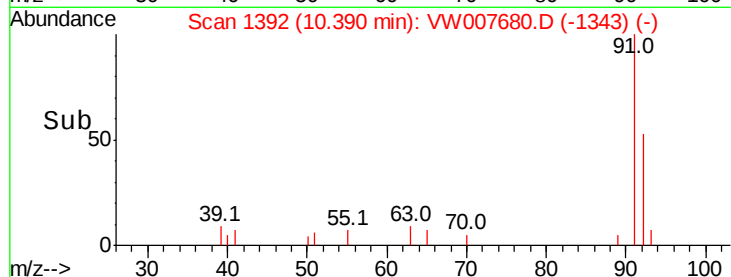
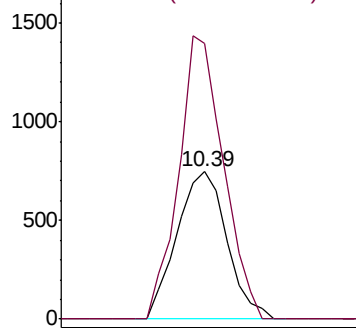
92 100

91 172.1 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 30.838 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007680.D

Acq: 19 Dec 2018 02:49

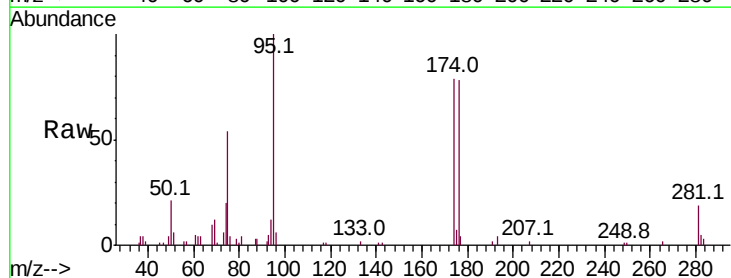
Tgt Ion: 95 Resp: 10928

Ion Ratio Lower Upper

95 100

174 82.1 0.0 147.2

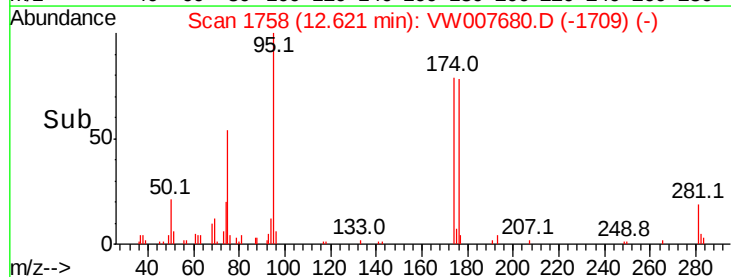
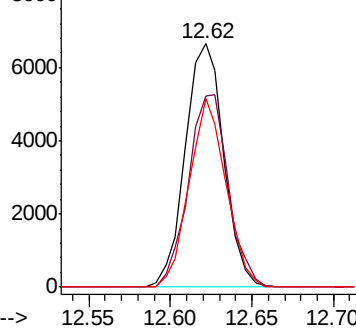
176 74.0 0.0 138.8

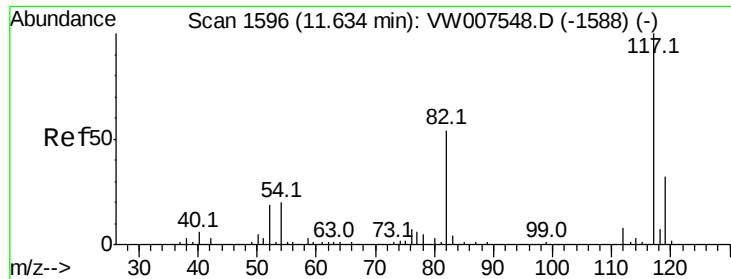


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

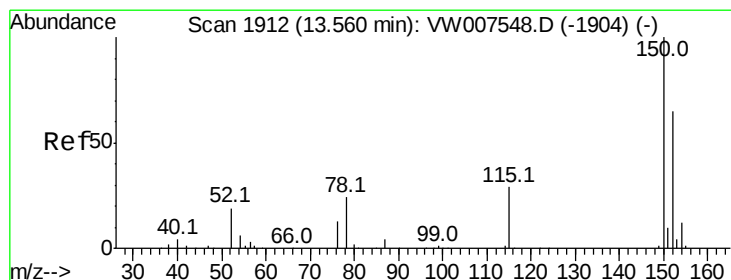
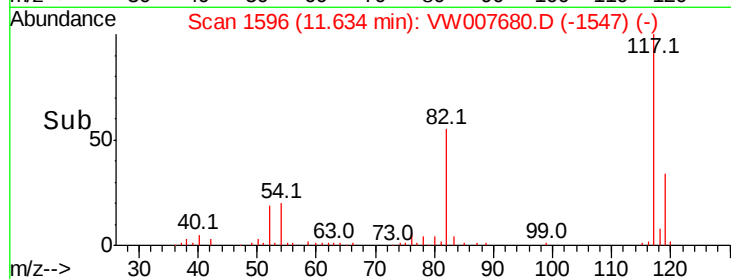
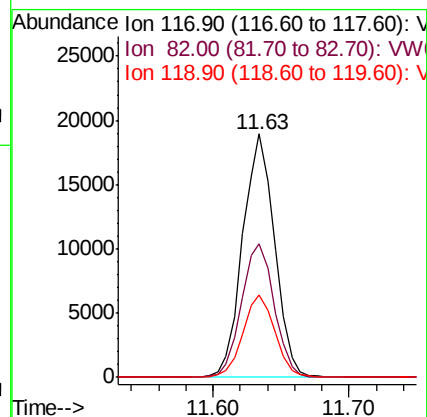
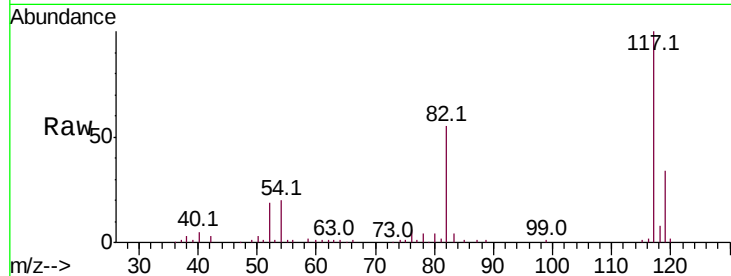




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007680.D
Acq: 19 Dec 2018 02:49

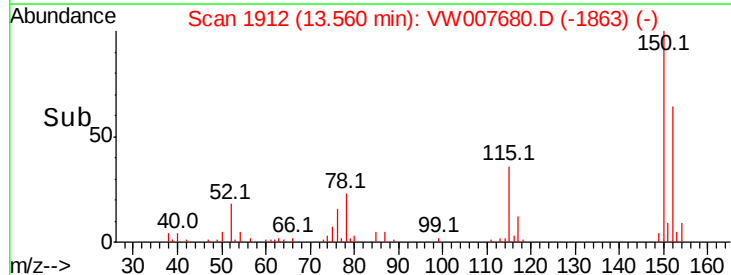
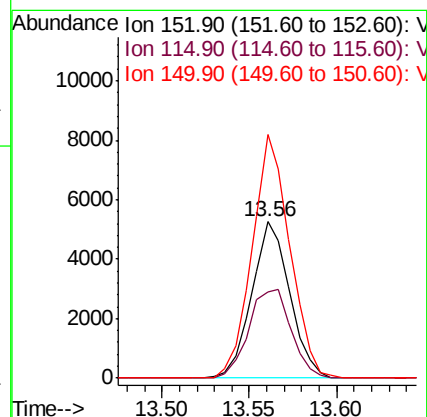
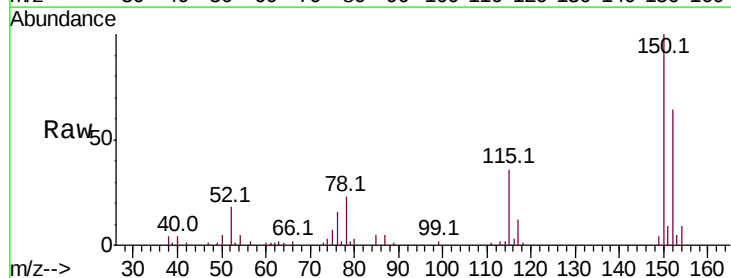
Instrument :
MSVOA_W
ClientSampled :

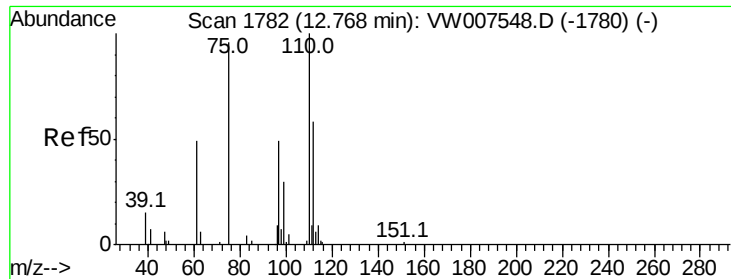
Tot Ion:117 Resp: 31076
Ion Ratio Lower Upper
117 100
82 54.7 42.3 63.5
119 33.6 23.0 34.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007680.D
Acq: 19 Dec 2018 02:49

Tgt Ion:152 Resp: 7933
Ion Ratio Lower Upper
152 100
115 63.0 31.4 94.2
150 153.9 0.0 358.4





#76

1,2,3-Trichloropropane

Concen: 91.775 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007680.D

Acq: 19 Dec 2018 02:49

Instrument :

MSVOA_W

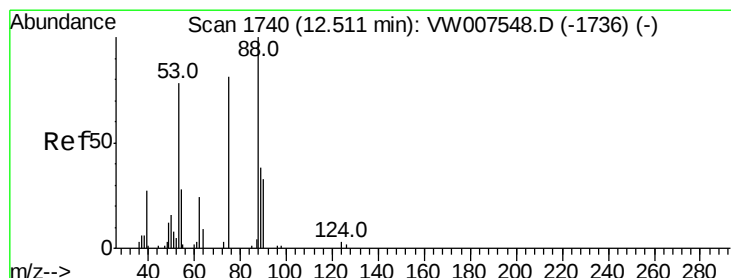
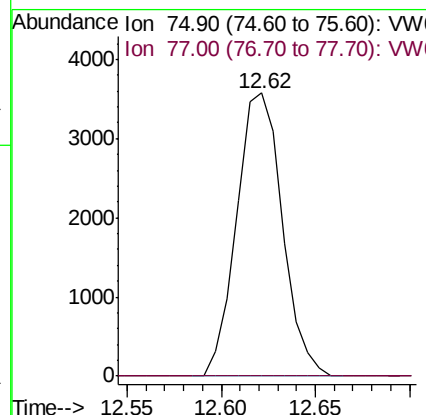
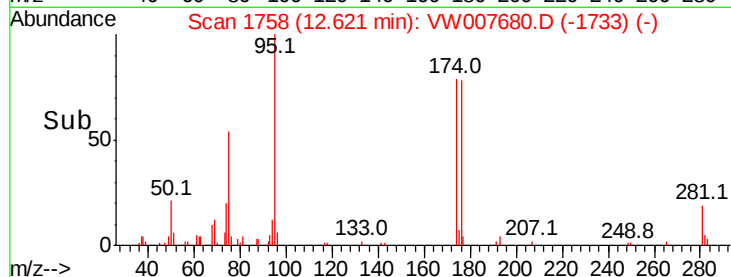
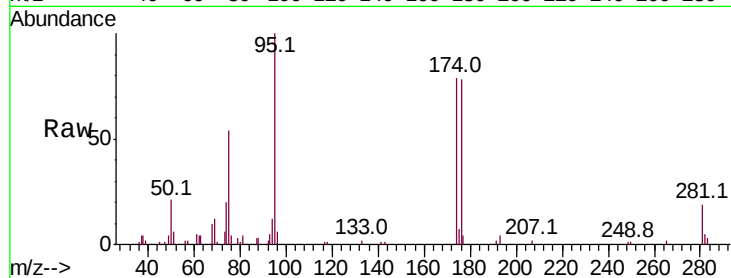
ClientSampleId :

Tot Ion: 75 Resp: 6003

Ion Ratio Lower Upper

75 100

77 0.0 166.9 500.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 202.732 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007680.D

Acq: 19 Dec 2018 02:49

Tgt Ion: 75 Resp: 6003

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

