

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122018\
 Data File : VW007670.D
 Acq On : 18 Dec 2018 20:20
 Operator : SY/AP
 Sample : J6362-01
 Misc : 4.72G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 03:21:15 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	57233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	112880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	82794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	24168	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	43821	69.01	ug/l	0.00
Spiked Amount			Recovery	=	138.02%	
35) Dibromofluoromethane	7.88	113	35336	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
50) Toluene-d8	10.32	98	113730	44.39	ug/l	0.00
Spiked Amount			Recovery	=	88.78%	
62) 4-Bromofluorobenzene	12.62	95	30855	32.76	ug/l	0.00
Spiked Amount			Recovery	=	65.52%	

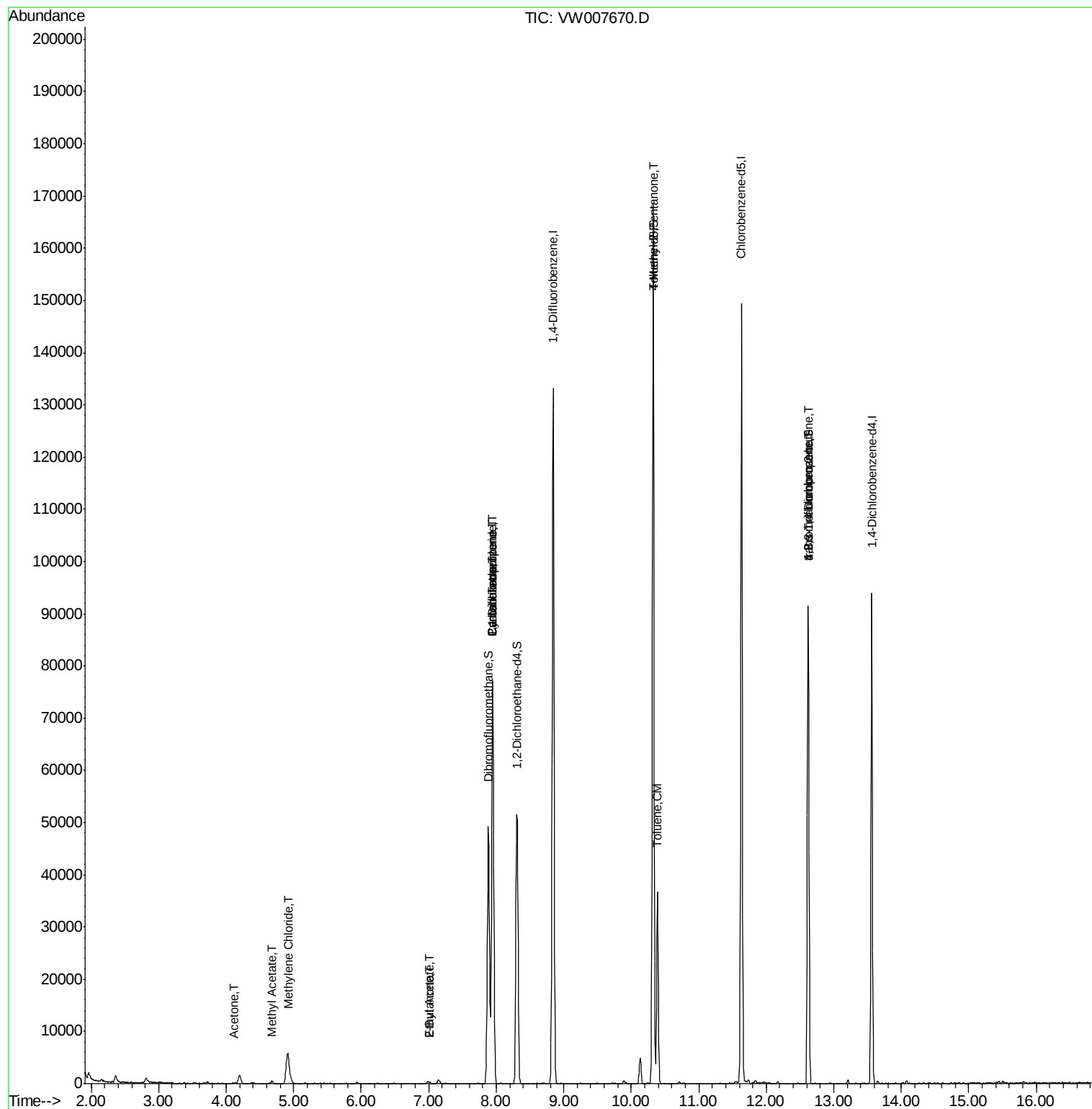
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	426	3.841	ug/l #	44
18) Methyl Acetate	4.68	43	832	2.764	ug/l #	80
20) Methylene Chloride	4.91	84	5672	5.896	ug/l	88
25) 2-Butanone	7.01	43	779	5.380	ug/l #	45
31) Cyclohexane	7.95	56	1102	1.117	ug/l #	38
36) 1,1-Dichloropropene	7.95	75	4354	4.228	ug/l #	49
37) Ethyl Acetate	7.01	43	760	1.984	ug/l #	66
38) Carbon Tetrachloride	7.95	117	6324	5.644	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	467	1.306	ug/l #	1
52) Toluene	10.39	92	16177	8.747	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	16120	80.894	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	16120	178.696	ug/l #	7

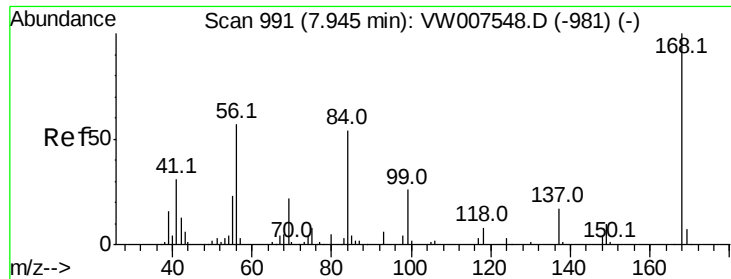
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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# 992

Delta R.T. 0.00 min

Lab File: VW007670.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_W

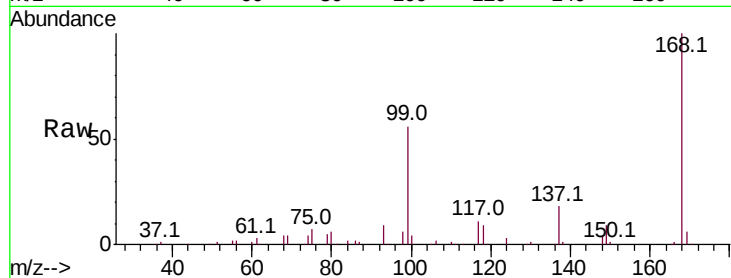
ClientSampleId :

Tot Ion:168 Resp: 57233

Ion Ratio Lower Upper

168 100

99 56.4 48.3 72.5

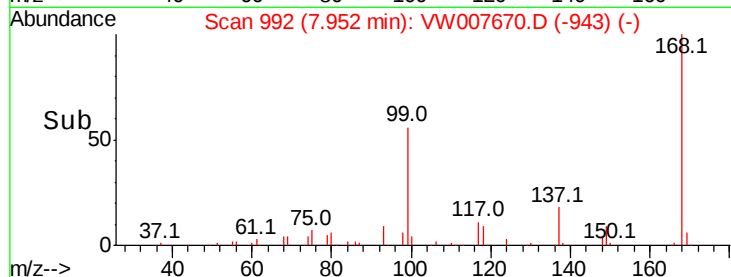


Abundance Ion 167.90 (167.60 to 168.60): VW

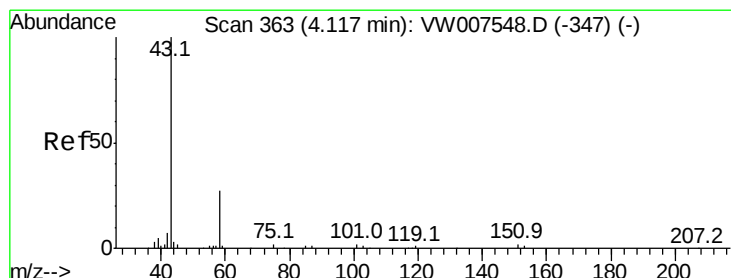
Ion 98.90 (98.60 to 99.60): VW

7.95

Time-->



Time-->



#16

Acetone

Concen: 3.841 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007670.D

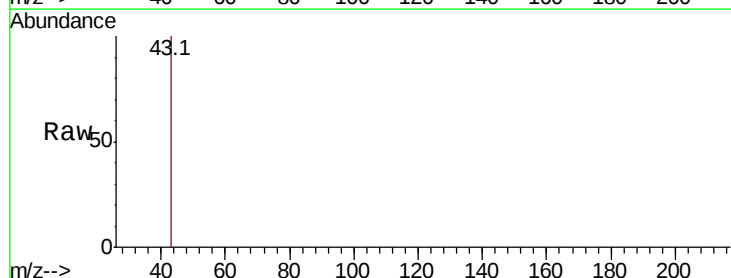
Acq: 18 Dec 2018 20:20

Tgt Ion: 43 Resp: 426

Ion Ratio Lower Upper

43 100

58 0.0 24.9 37.3#

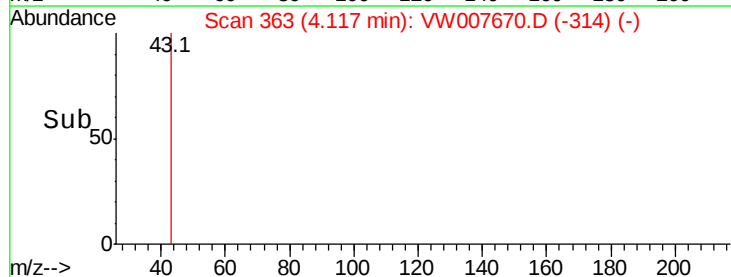


Abundance Ion 43.00 (42.70 to 43.70): VW

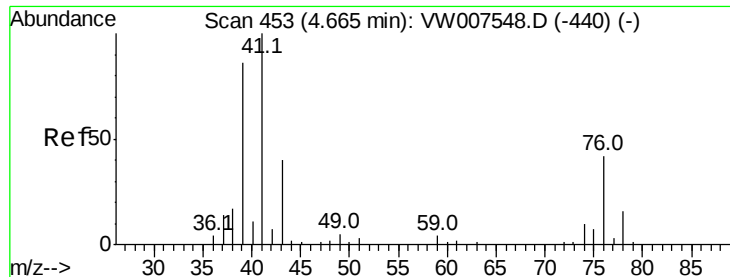
Ion 58.00 (57.70 to 58.70): VW

4.12

Time-->



Time-->



#18

Methyl Acetate

Concen: 2.764 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW007670.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_W

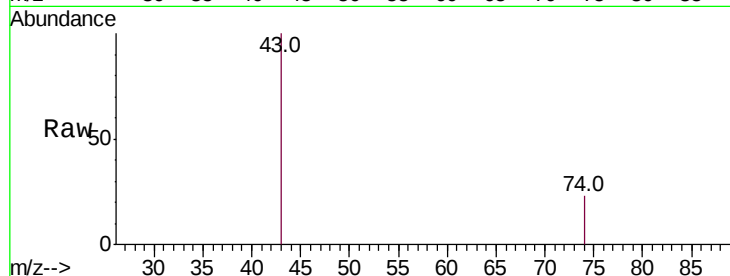
ClientSampleId :

Tot Ion: 43 Resp: 832

Ion Ratio Lower Upper

43 100

74 16.2 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

400

300

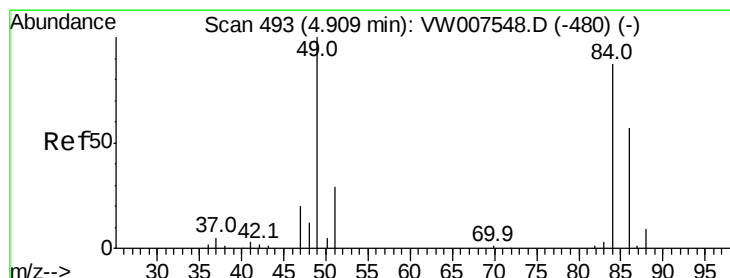
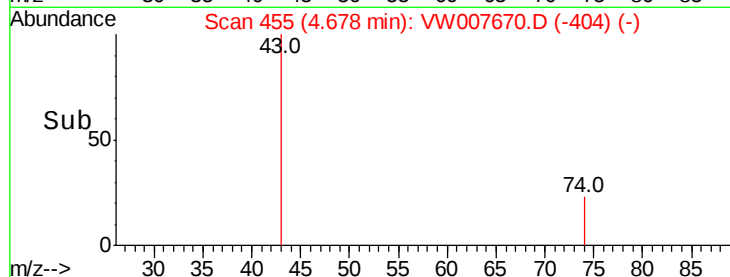
200

100

0

4.60 4.65 4.70 4.75

Time-->



#20

Methylene Chloride

Concen: 5.896 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007670.D

Acq: 18 Dec 2018 20:20

Tgt Ion: 84 Resp: 5672

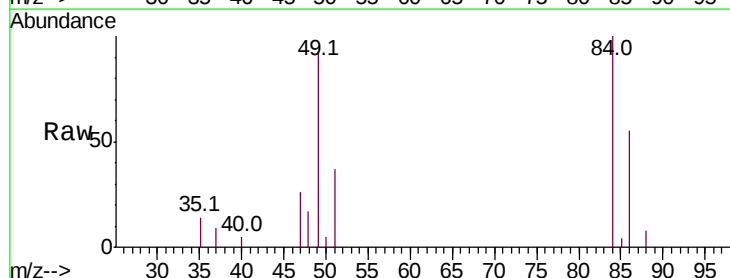
Ion Ratio Lower Upper

84 100

49 92.6 87.1 130.7

51 36.8 28.2 42.2

86 55.1 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

2500

2000

1500

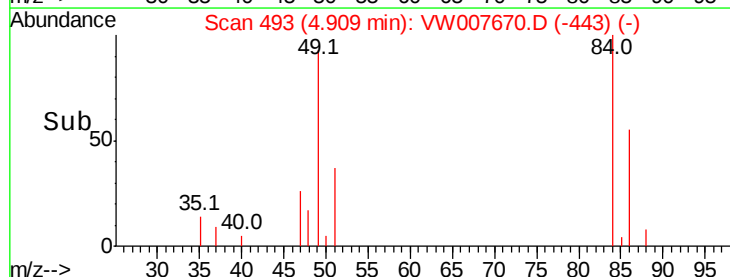
1000

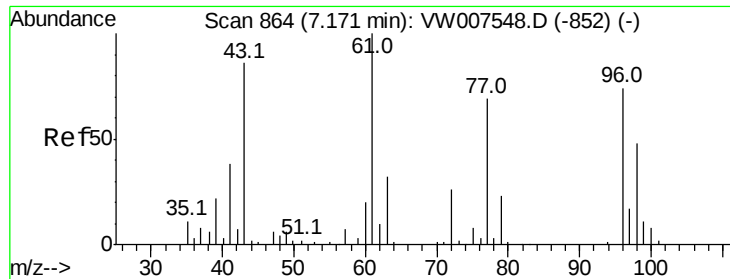
500

0

4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 5.380 ug/l

RT: 7.01 min Scan# 838

Delta R.T. -0.16 min

Lab File: VW007670.D

Acq: 18 Dec 2018 20:20

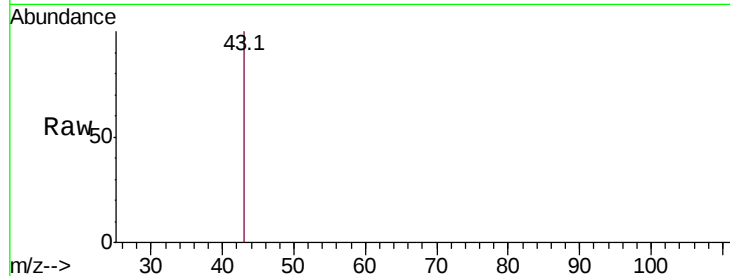
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 779

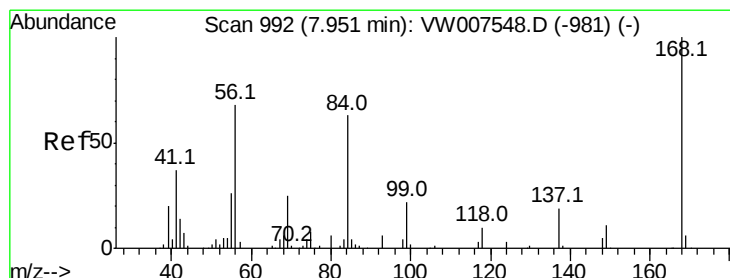
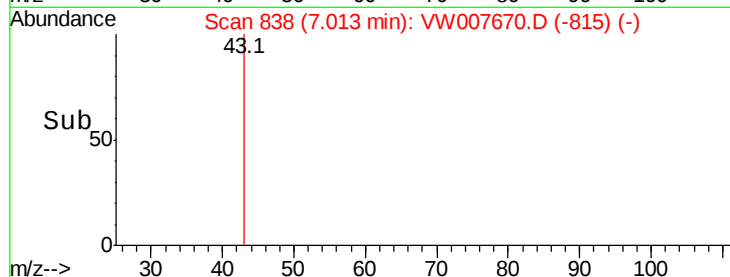
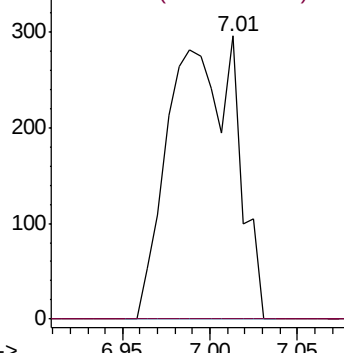
Ion Ratio Lower Upper

43 100

72 0.0 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.117 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007670.D

Acq: 18 Dec 2018 20:20

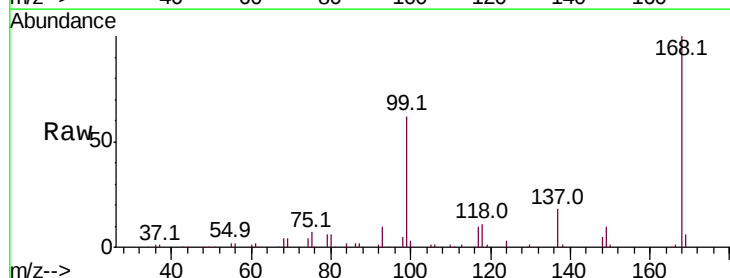
Tgt Ion: 56 Resp: 1102

Ion Ratio Lower Upper

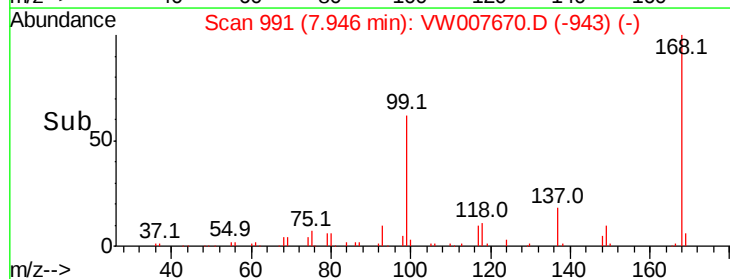
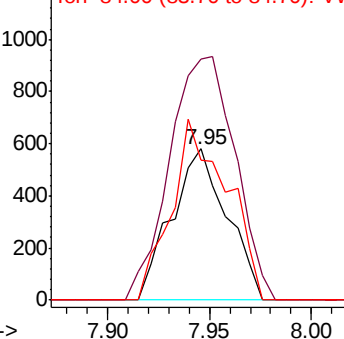
56 100

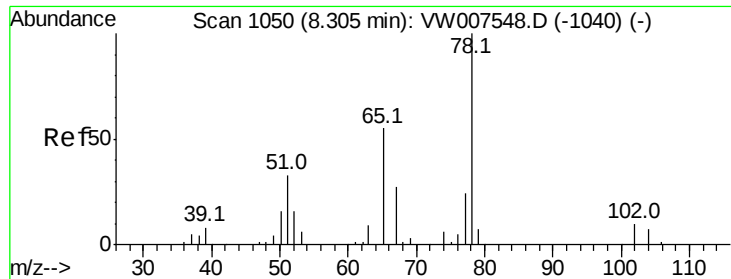
69 159.8 28.9 43.3#

84 92.6 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

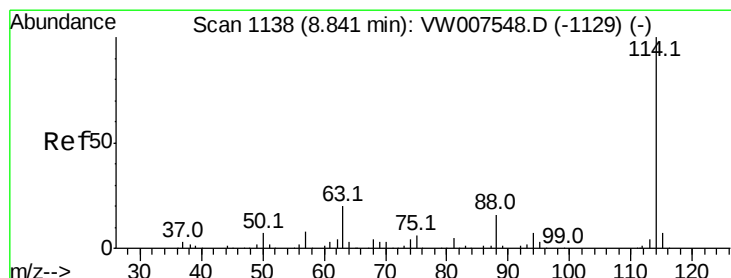
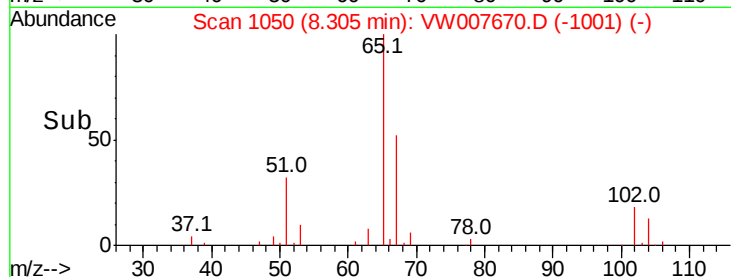
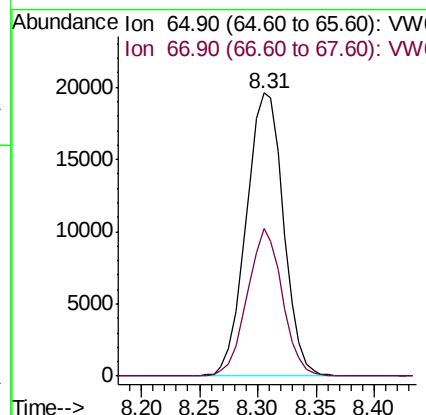
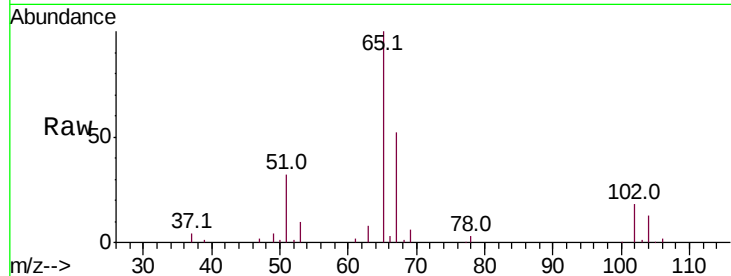




#33
 1,2-Dichloroethane-d4
 Concen: 69.014 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007670.D
 Acq: 18 Dec 2018 20:20

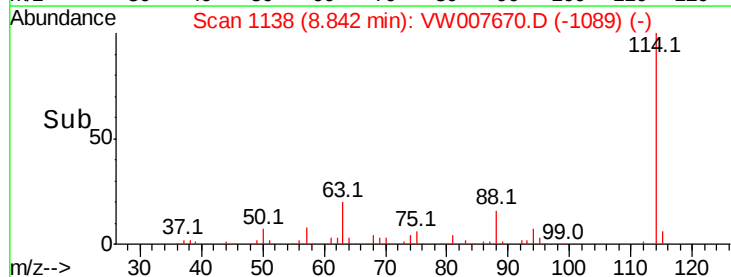
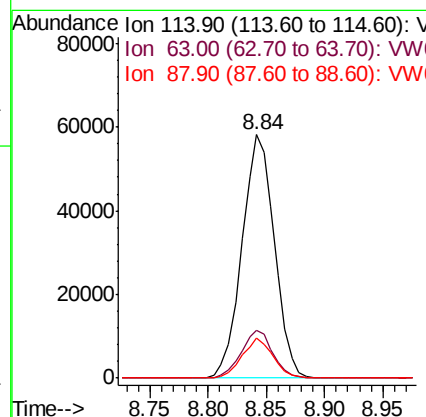
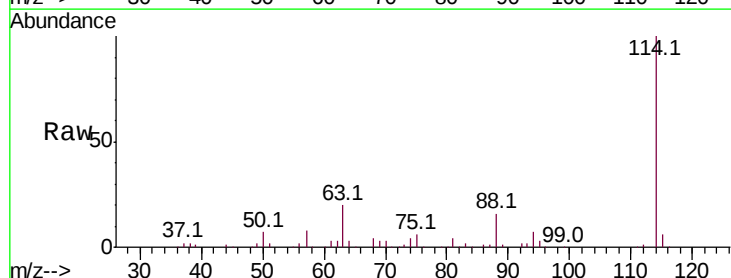
Instrument :
 MSVOA_W
 ClientSampleId :

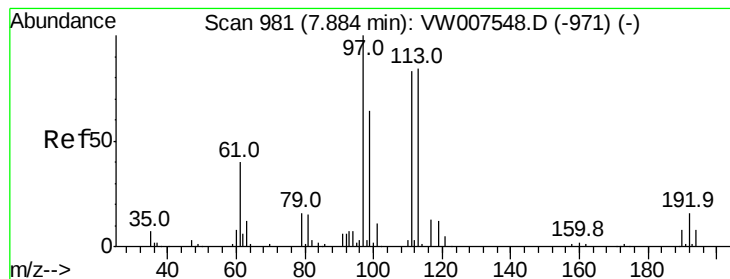
Tot Ion: 65 Resp: 43821
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007670.D
 Acq: 18 Dec 2018 20:20

Tgt Ion:114 Resp: 112880
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.6
 88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.713 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007670.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

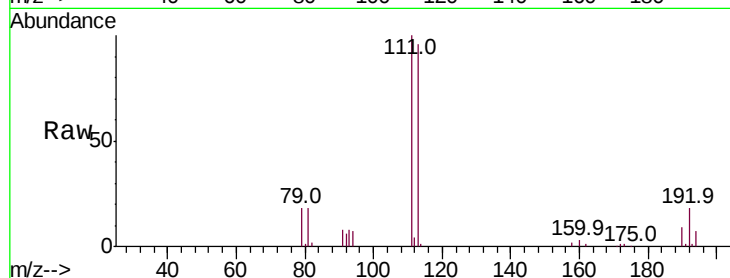
Tot Ion:113 Resp: 35336

Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

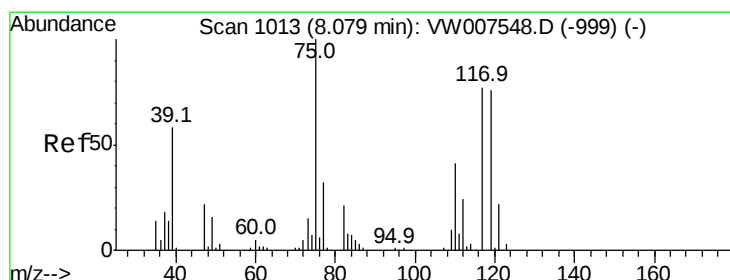
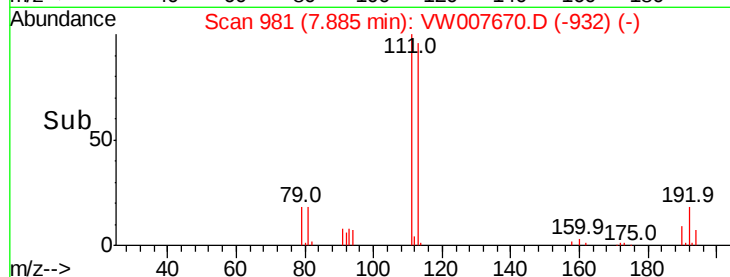
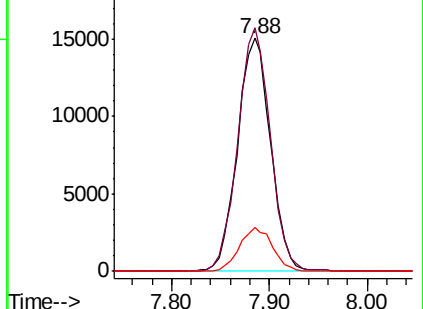
192 18.7 14.6 21.8



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: 4.228 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007670.D

Acq: 18 Dec 2018 20:20

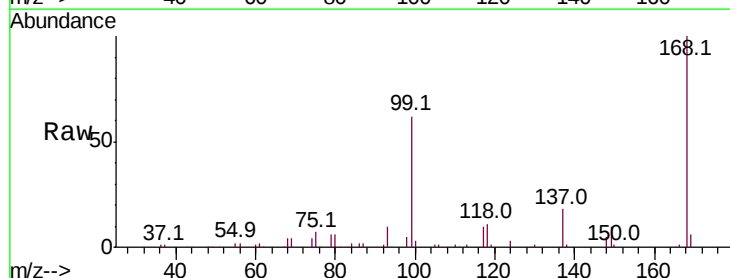
Tgt Ion: 75 Resp: 4354

Ion Ratio Lower Upper

75 100

110 10.2 18.5 55.5#

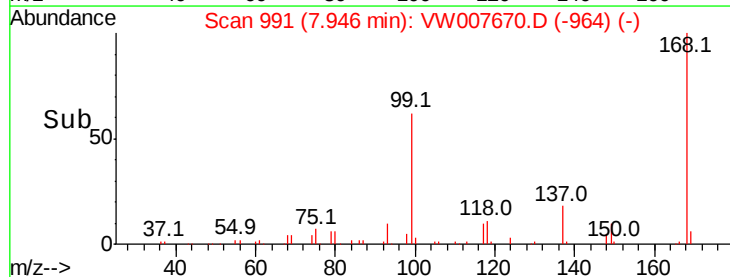
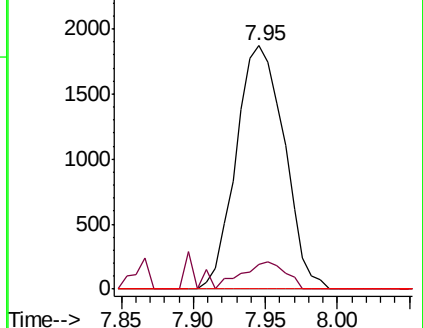
77 0.0 25.6 38.4#

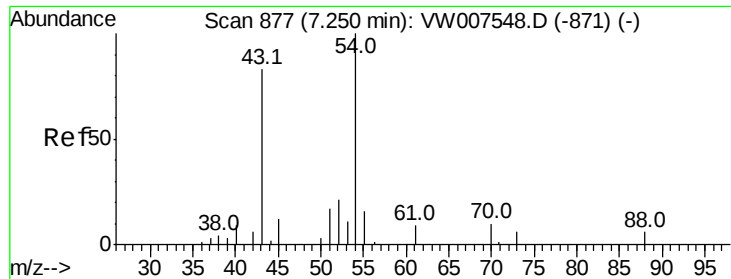


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

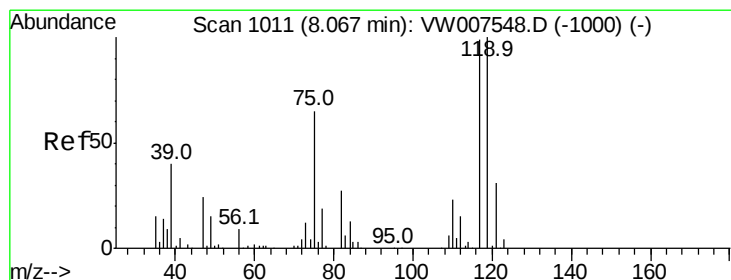
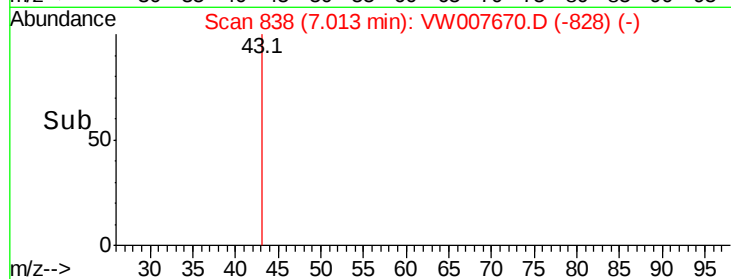
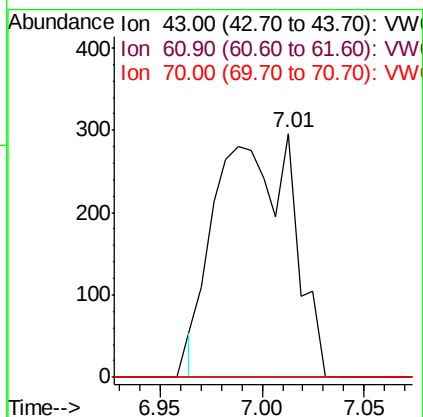
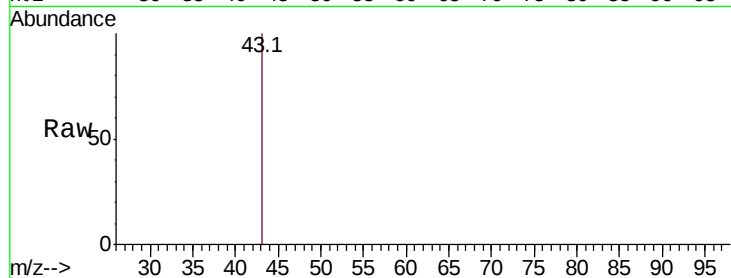




#37
Ethyl Acetate
Concen: 1.984 ug/l
RT: 7.01 min Scan# 838
Delta R.T. -0.24 min
Lab File: VW007670.D
Acq: 18 Dec 2018 20:20

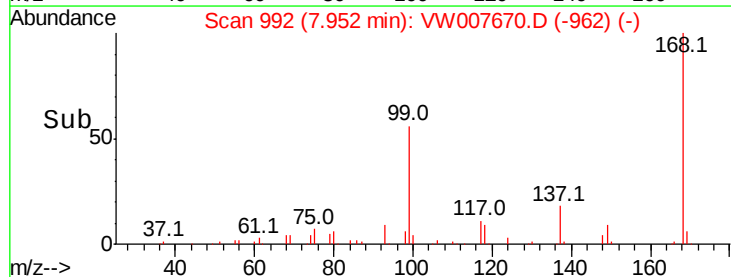
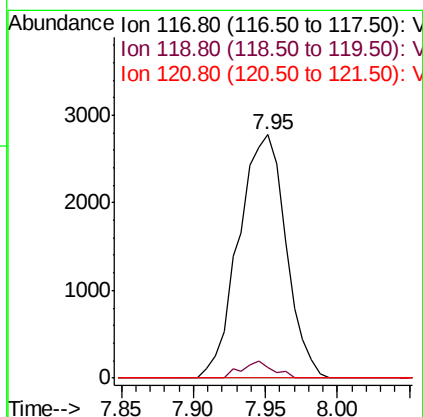
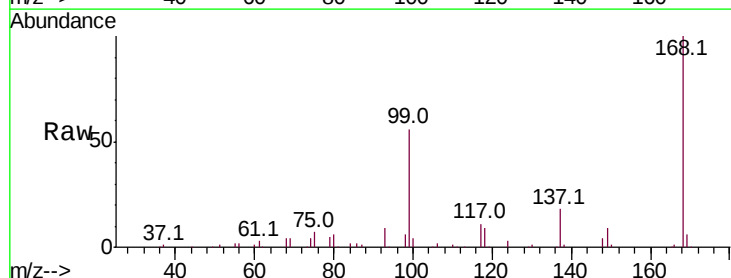
Instrument :
MSVOA_W
ClientSampleId :

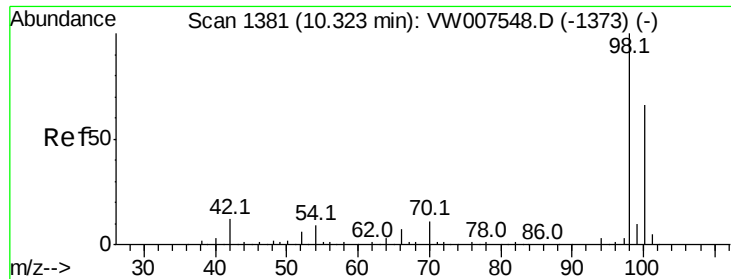
Tot Ion: 43 Resp: 760
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 5.644 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007670.D
Acq: 18 Dec 2018 20:20

Tgt Ion: 117 Resp: 6324
Ion Ratio Lower Upper
117 100
119 4.4 74.3 111.5#
121 0.0 24.3 36.5#





#50

Toluene-d8

Concen: 44.391 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007670.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_W

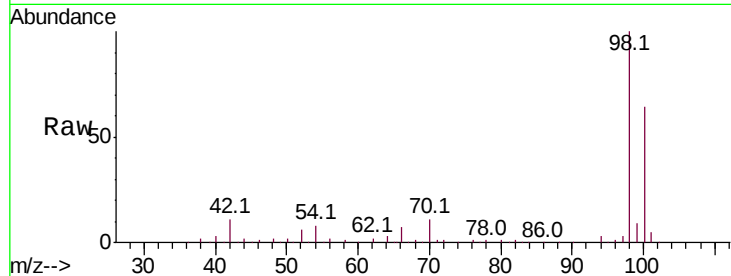
ClientSampleId :

Tot Ion: 98 Resp: 113730

Ion Ratio Lower Upper

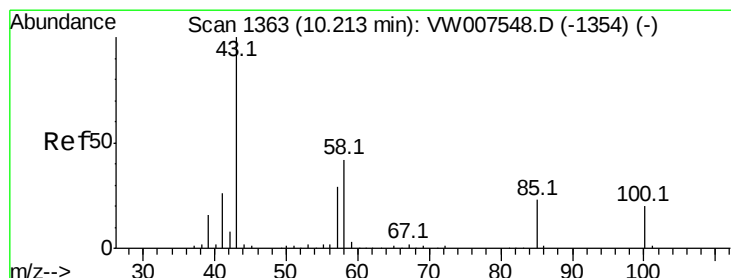
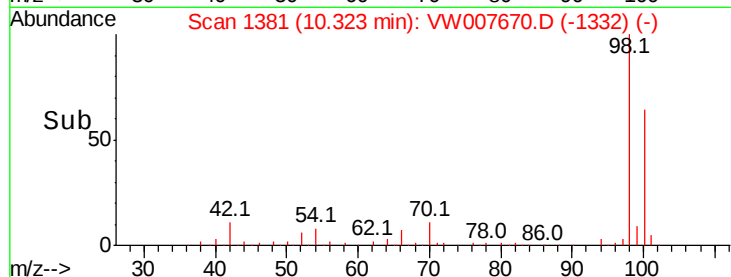
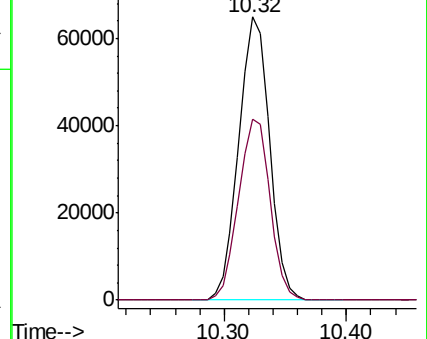
98 100

100 65.2 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: 1.306 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW007670.D

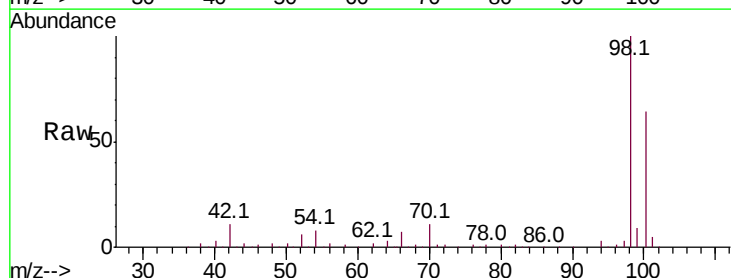
Acq: 18 Dec 2018 20:20

Tgt Ion: 43 Resp: 467

Ion Ratio Lower Upper

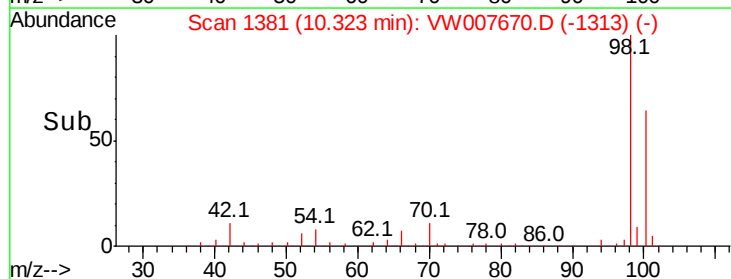
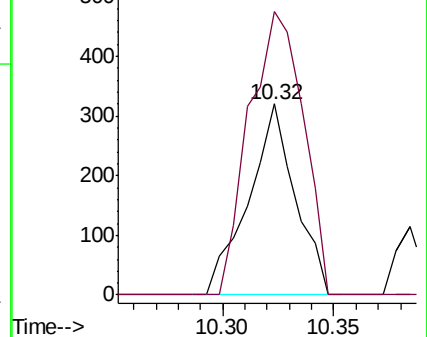
43 100

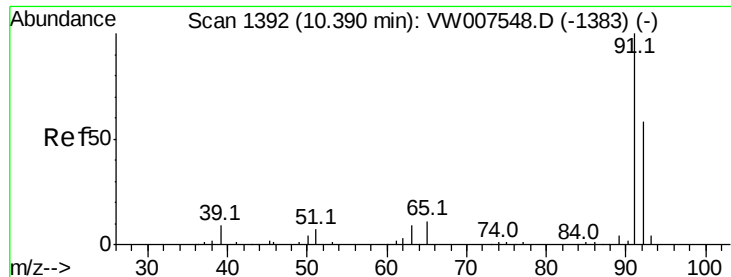
58 171.9 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 8.747 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007670.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_W

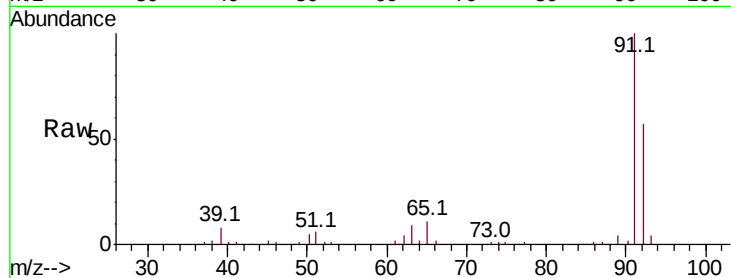
ClientSampleId :

Tot Ion: 92 Resp: 16177

Ion Ratio Lower Upper

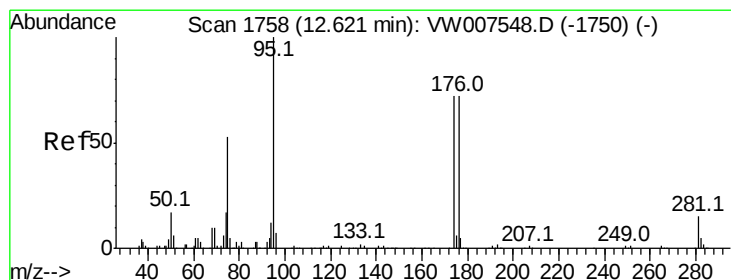
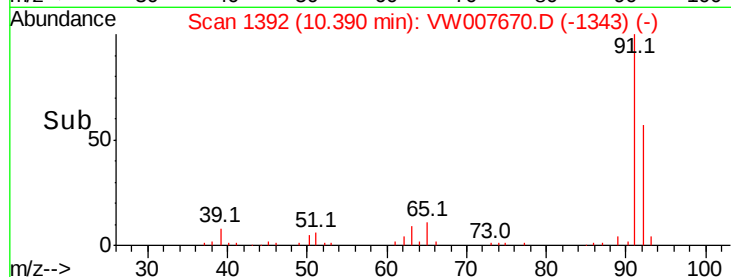
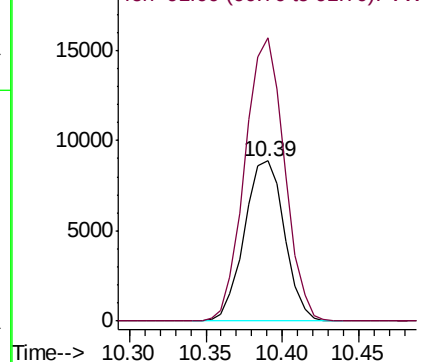
92 100

91 174.1 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 32.755 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007670.D

Acq: 18 Dec 2018 20:20

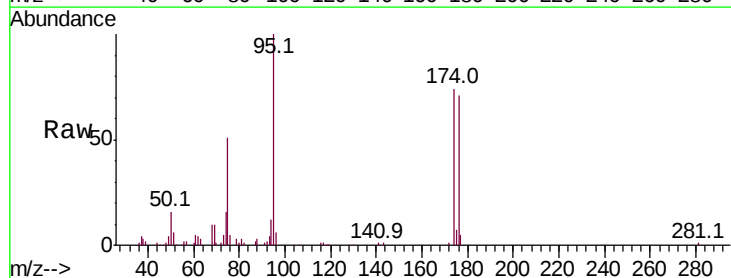
Tgt Ion: 95 Resp: 30855

Ion Ratio Lower Upper

95 100

174 77.5 0.0 147.2

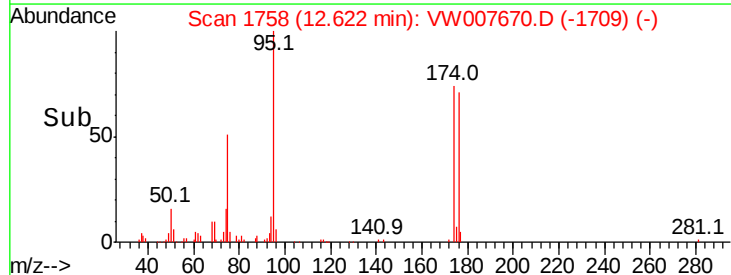
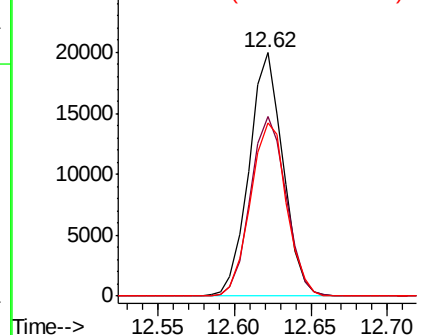
176 75.5 0.0 138.8

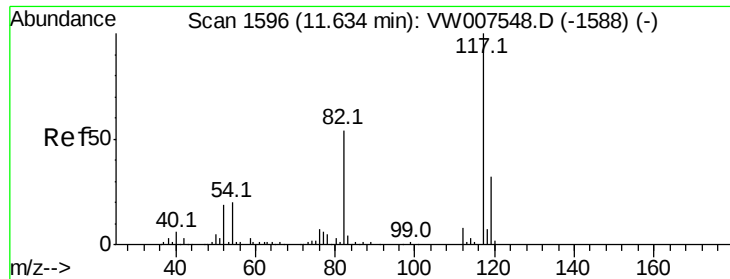


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

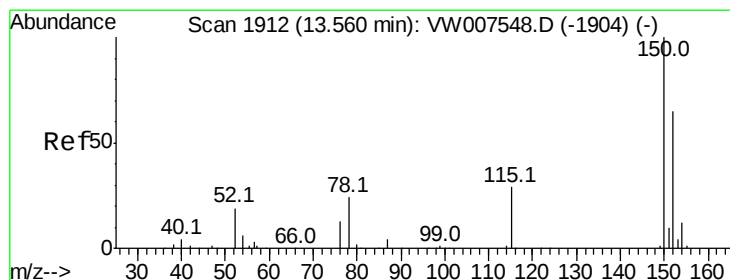
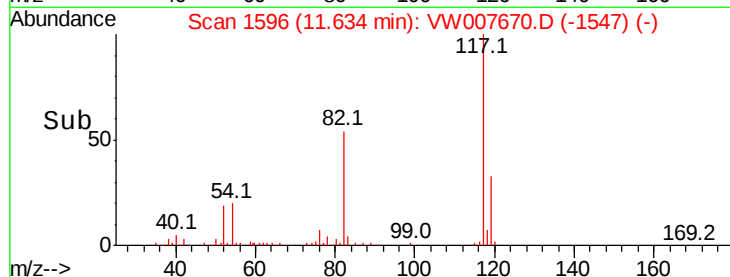
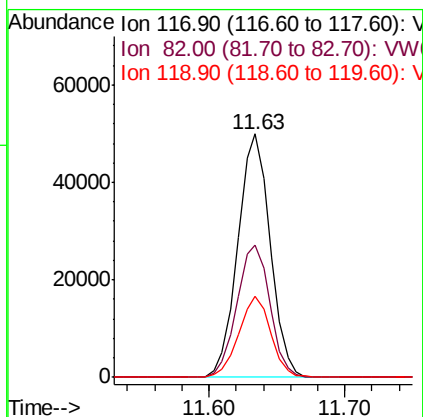
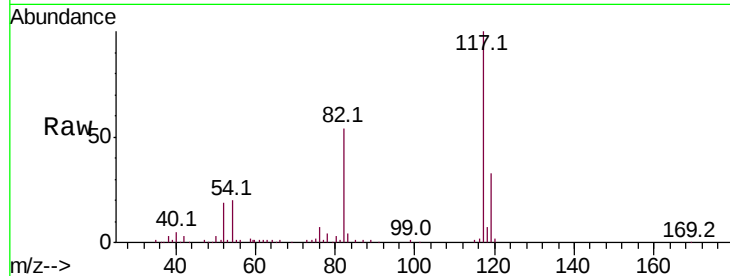




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007670.D
Acq: 18 Dec 2018 20:20

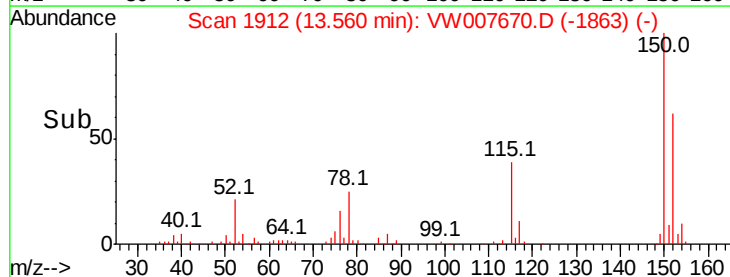
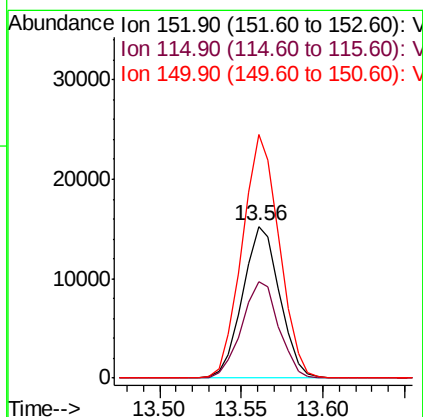
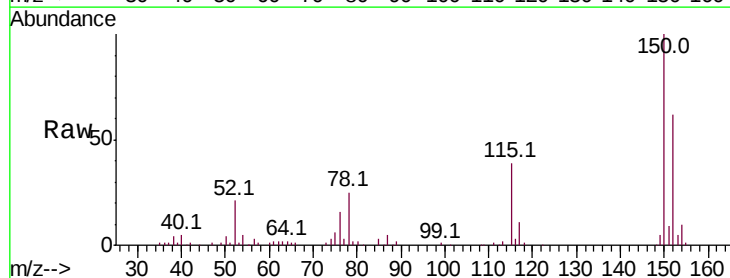
Instrument :
MSVOA_W
ClientSampleId :

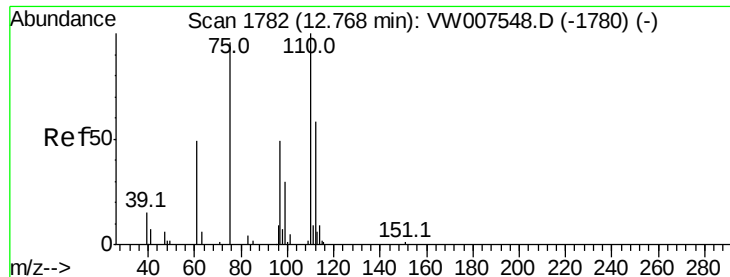
Tot Ion:117 Resp: 82794
Ion Ratio Lower Upper
117 100
82 54.3 42.3 63.5
119 33.0 23.0 34.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007670.D
Acq: 18 Dec 2018 20:20

Tgt Ion:152 Resp: 24168
Ion Ratio Lower Upper
152 100
115 63.3 31.4 94.2
150 160.2 0.0 358.4





#76

1,2,3-Trichloropropane

Concen: 80.894 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007670.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_W

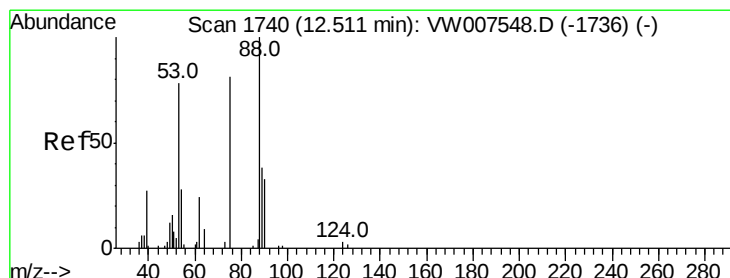
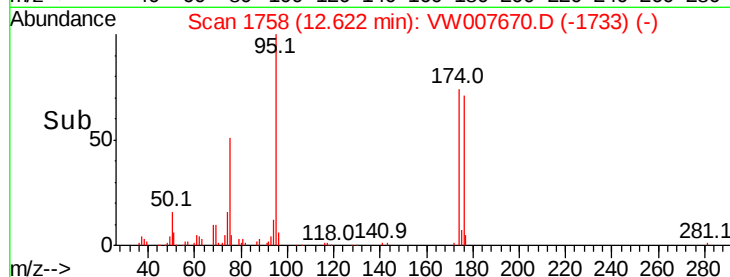
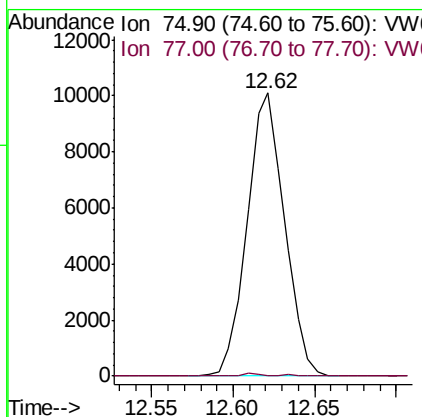
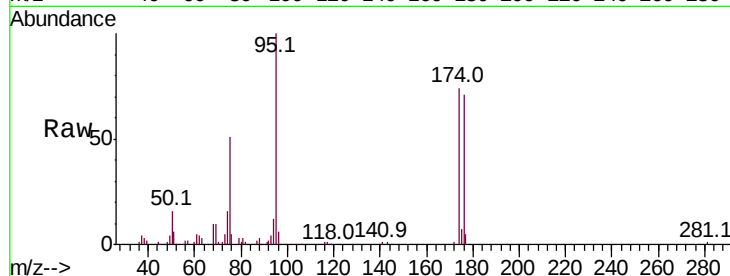
ClientSampleId :

Tot Ion: 75 Resp: 16120

Ion Ratio Lower Upper

75 100

77 0.4 166.9 500.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 178.696 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007670.D

Acq: 18 Dec 2018 20:20

Tgt Ion: 75 Resp: 16120

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

