

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122018\
 Data File : VW007688.D
 Acq On : 19 Dec 2018 06:16
 Operator : SY/AP
 Sample : J6386-11
 Misc : 6.54G/5ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 19 06:40:58 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	50829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	85198	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	57155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	16832	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	35198	62.42	ug/l	0.00
Spiked Amount			Recovery	=	124.84%	
35) Dibromofluoromethane	7.88	113	31155	60.41	ug/l	0.00
Spiked Amount			Recovery	=	120.82%	
50) Toluene-d8	10.32	98	65842	34.05	ug/l	0.00
Spiked Amount			Recovery	=	68.10%	
62) 4-Bromofluorobenzene	12.62	95	23321	32.80	ug/l	0.00
Spiked Amount			Recovery	=	65.60%	

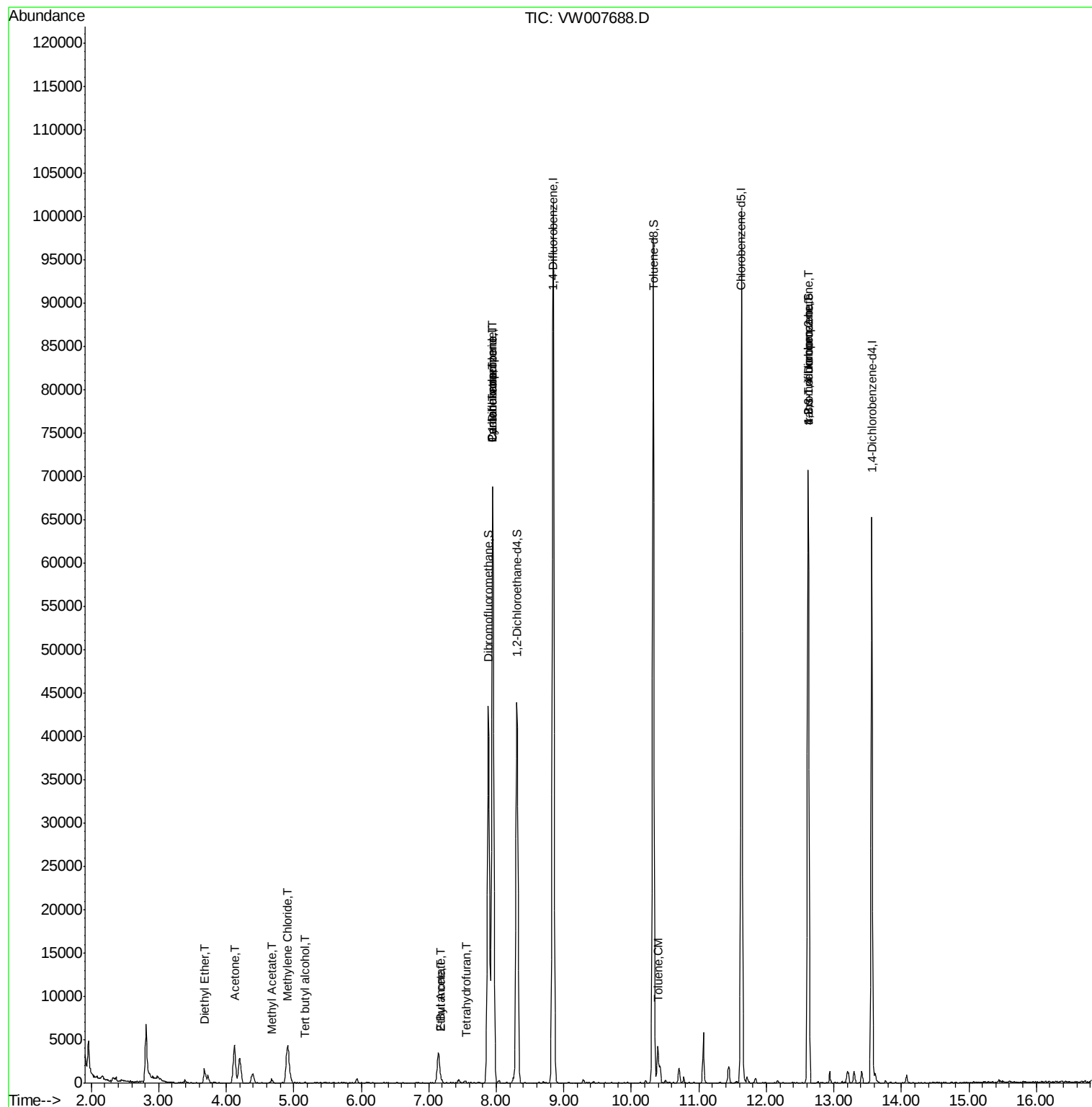
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	765	3.114	ug/l	97
11) Tert butyl alcohol	5.17	59	145	3.744	ug/l #	74
16) Acetone	4.12	43	7562	76.773	ug/l	95
18) Methyl Acetate	4.67	43	701	2.622	ug/l #	82
20) Methylene Chloride	4.91	84	3782	3.367	ug/l	94
25) 2-Butanone	7.18	43	593	4.612	ug/l #	45
29) Tetrahydrofuran	7.56	42	178	2.187	ug/l #	39
31) Cyclohexane	7.95	56	1142	1.304	ug/l #	27
36) 1,1-Dichloropropene	7.94	75	3917	5.040	ug/l #	50
37) Ethyl Acetate	7.18	43	593	2.051	ug/l #	66
38) Carbon Tetrachloride	7.95	117	5657	6.689	ug/l #	17
52) Toluene	10.39	92	1639	1.174	ug/l	90
76) 1,2,3-Trichloropropane	12.62	75	12102	87.200	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	12102	192.625	ug/l #	7

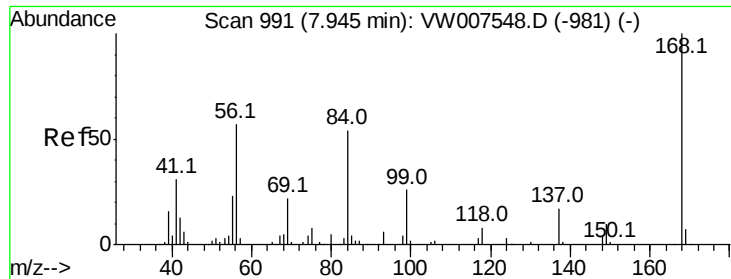
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122018\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007688.D

Acq: 19 Dec 2018 06:16

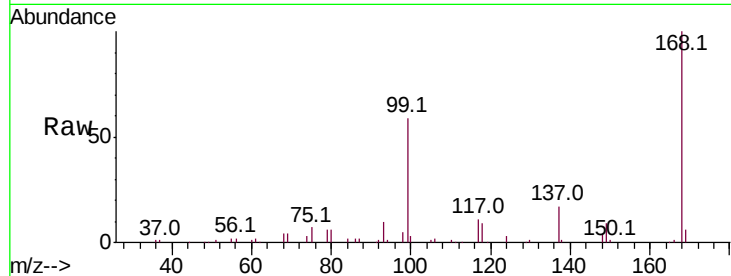
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 50829

Ion Ratio Lower Upper

168 100

99 59.4 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

25000

20000

15000

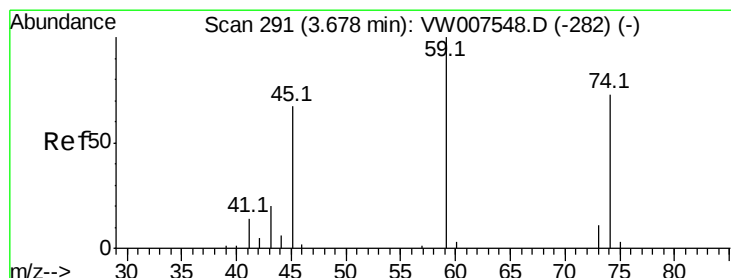
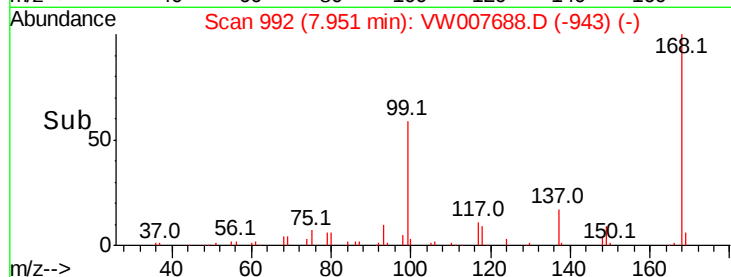
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#8

Diethyl Ether

Concen: 3.114 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW007688.D

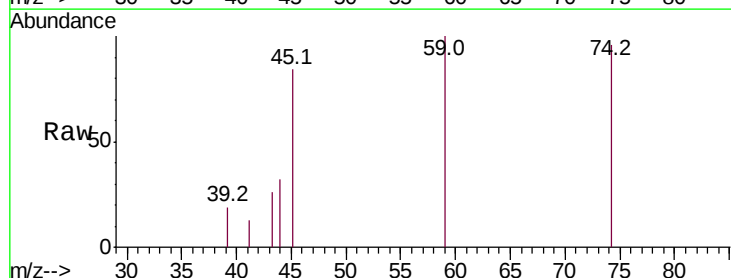
Acq: 19 Dec 2018 06:16

Tgt Ion: 74 Resp: 765

Ion Ratio Lower Upper

74 100

45 88.9 43.0 129.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

400

300

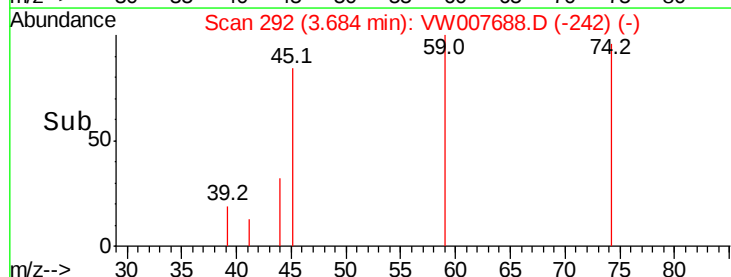
200

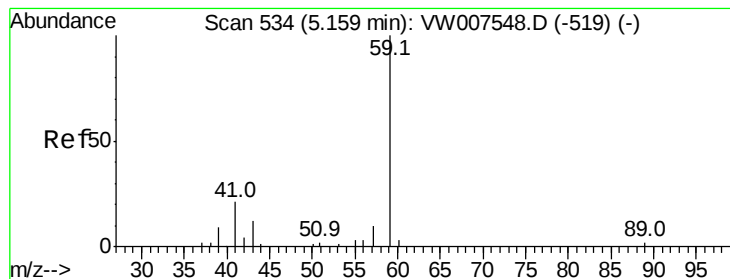
100

0

Time-->

3.65 3.70



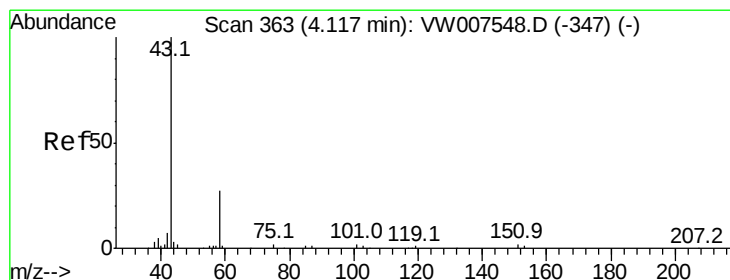
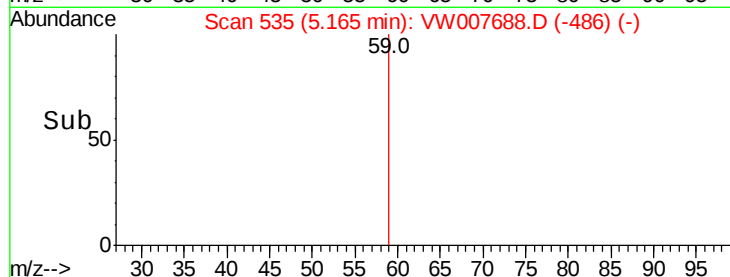
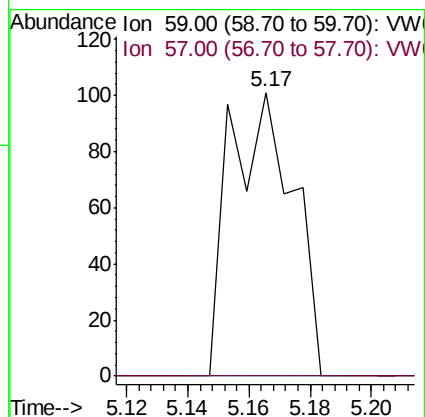
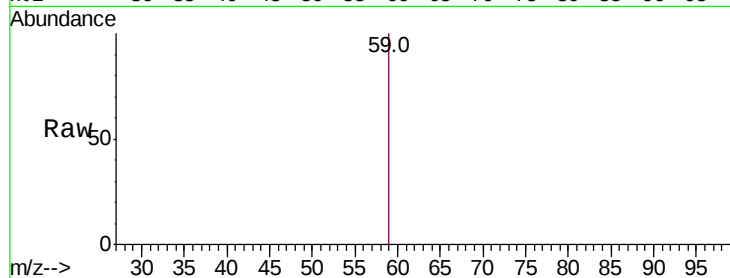


#11

Tert butyl alcohol
 Concen: 3.744 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW007688.D
 Acq: 19 Dec 2018 06:16

Instrument :
 MSVOA_D
 ClientSampleId :

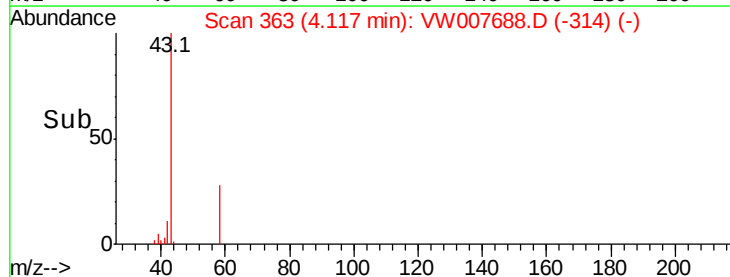
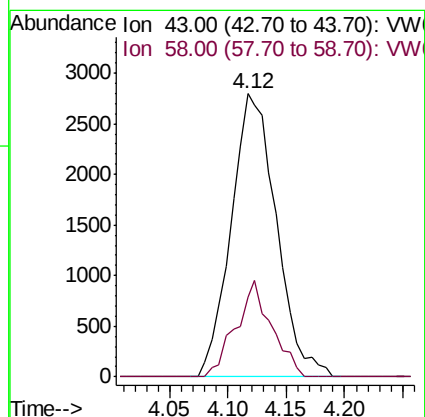
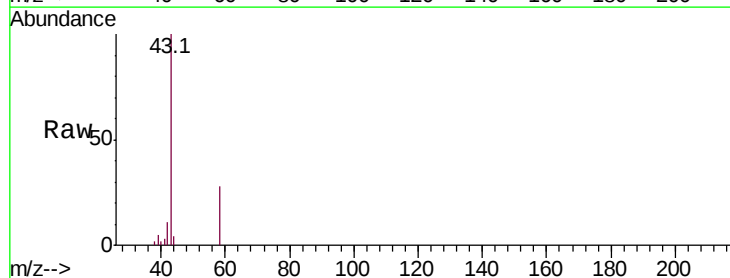
Tot Ion: 59 Resp: 145
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

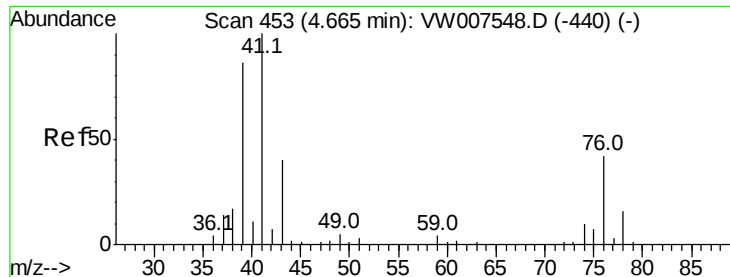


#16

Acetone
 Concen: 76.773 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW007688.D
 Acq: 19 Dec 2018 06:16

Tgt Ion: 43 Resp: 7562
 Ion Ratio Lower Upper
 43 100
 58 28.1 24.9 37.3





#18

Methyl Acetate

Concen: 2.622 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007688.D

Acq: 19 Dec 2018 06:16

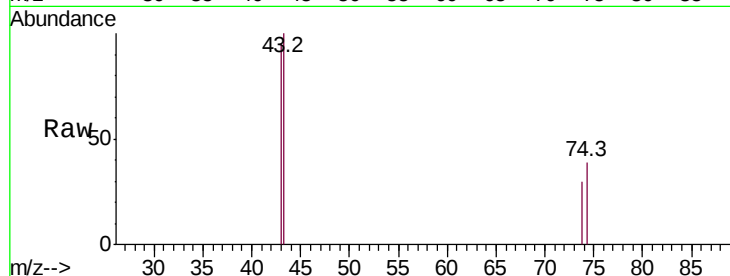
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 701

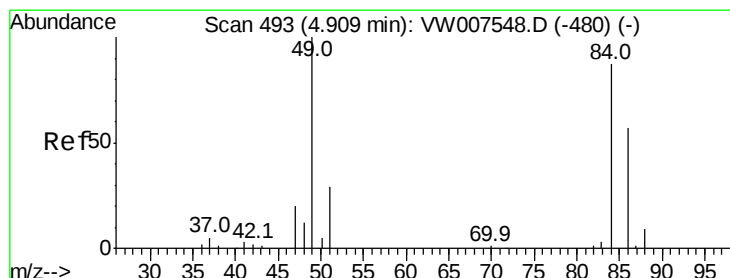
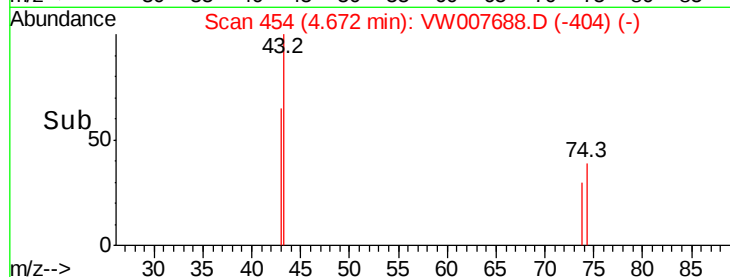
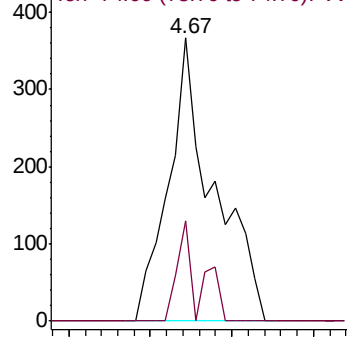
Ion Ratio Lower Upper

43 100

74 17.0 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW



#20

Methylene Chloride

Concen: 3.367 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007688.D

Acq: 19 Dec 2018 06:16

Tgt Ion: 84 Resp: 3782

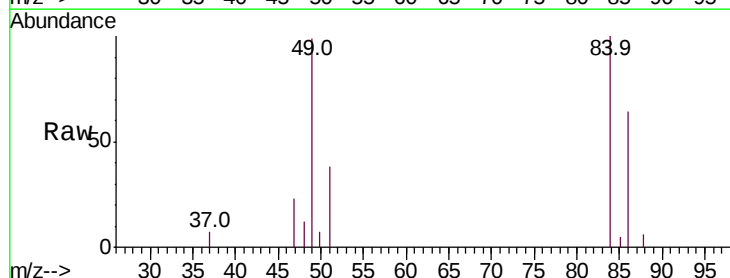
Ion Ratio Lower Upper

84 100

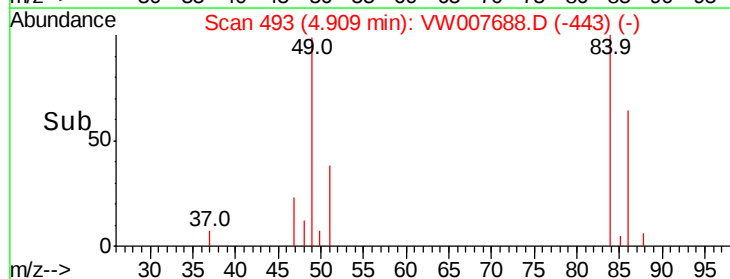
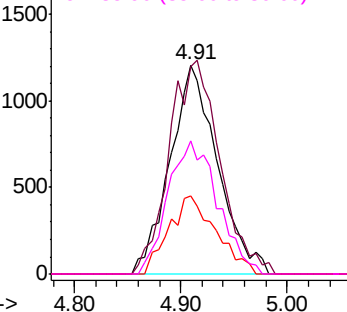
49 99.2 87.1 130.7

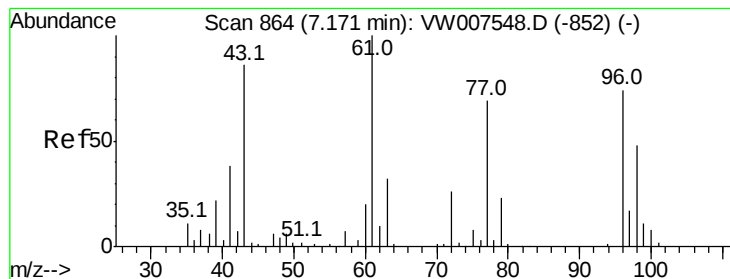
51 37.5 28.2 42.2

86 63.8 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: 4.612 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW007688.D

Acq: 19 Dec 2018 06:16

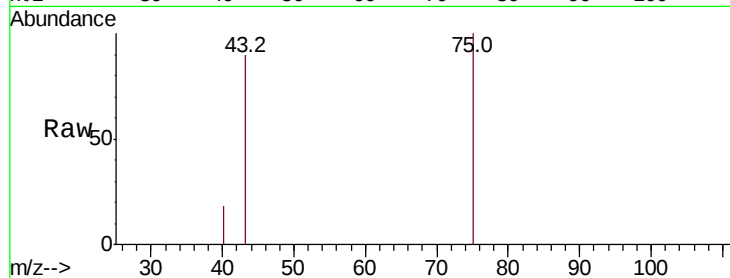
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 593

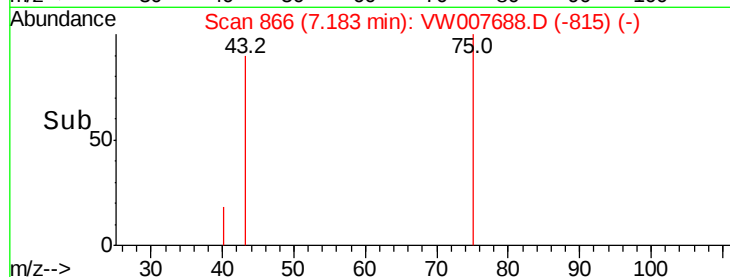
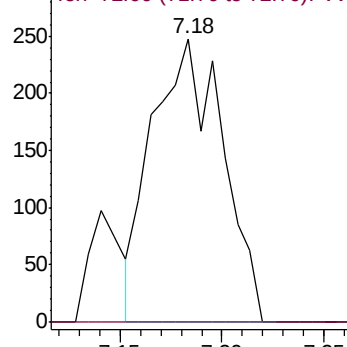
Ion Ratio Lower Upper

43 100

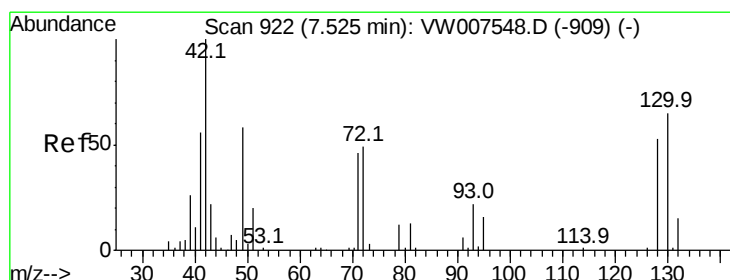
72 0.0 23.4 35.2#



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



Time-->



#29

Tetrahydrofuran

Concen: 2.187 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW007688.D

Acq: 19 Dec 2018 06:16

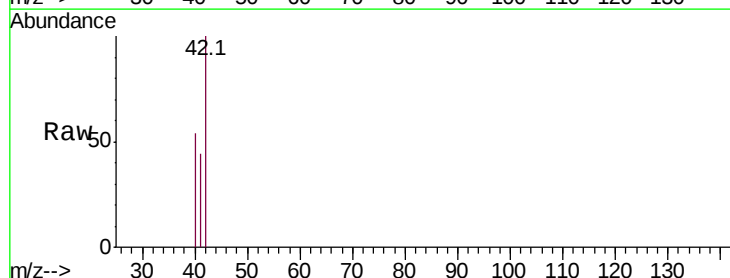
Tgt Ion: 42 Resp: 178

Ion Ratio Lower Upper

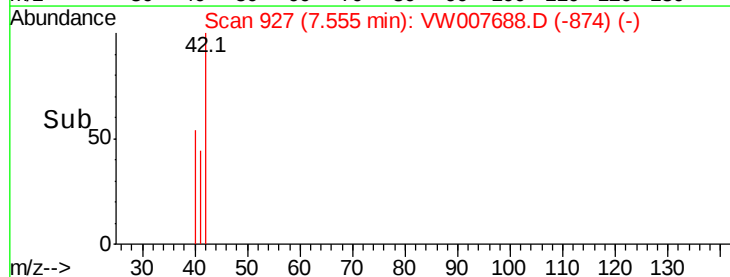
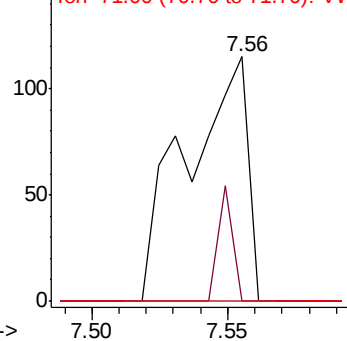
42 100

72 11.2 38.2 57.4#

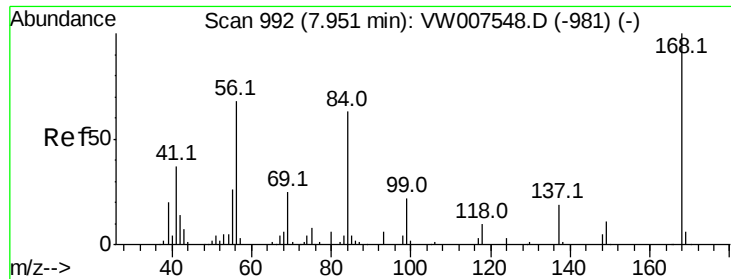
71 0.0 35.5 53.3#



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



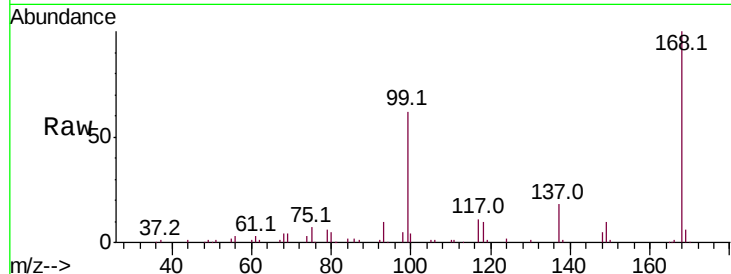
Time-->



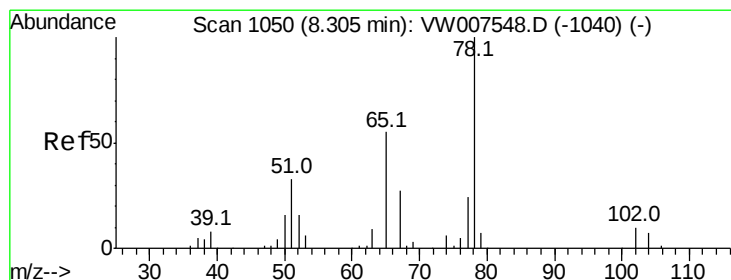
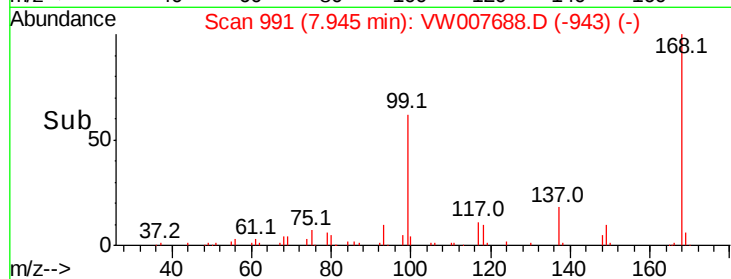
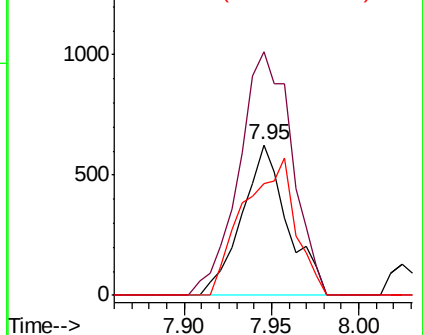
#31
Cyclohexane
Concen: 1.304 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007688.D
Acq: 19 Dec 2018 06:16

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 1142
Ion Ratio Lower Upper
56 100
69 161.4 28.9 43.3#
84 74.3 71.8 107.6

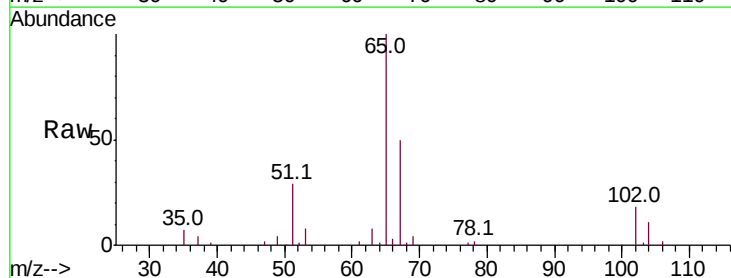


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

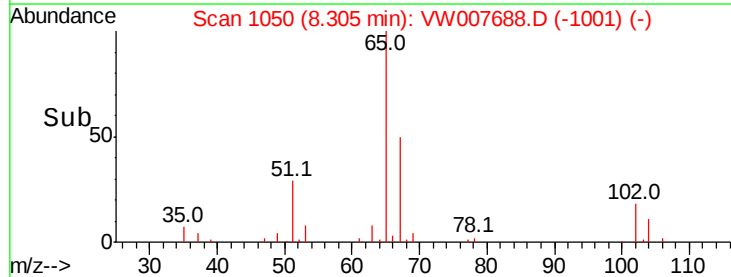
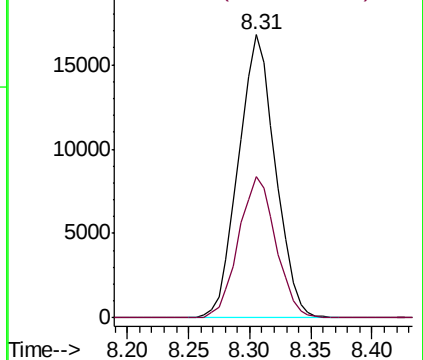


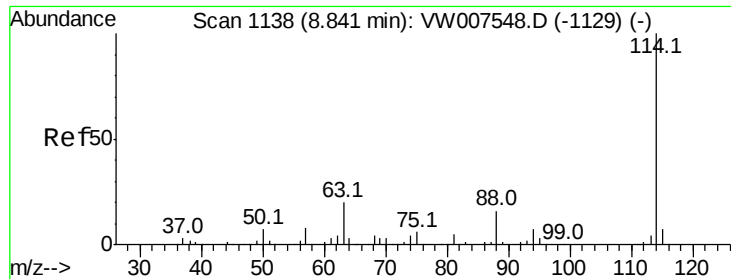
#33
1,2-Dichloroethane-d4
Concen: 62.418 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007688.D
Acq: 19 Dec 2018 06:16

Tgt Ion: 65 Resp: 35198
Ion Ratio Lower Upper
65 100
67 50.1 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: VW007688.D

Acq: 19 Dec 2018 06:16

Instrument :

MSVOA_D

ClientSampleId :

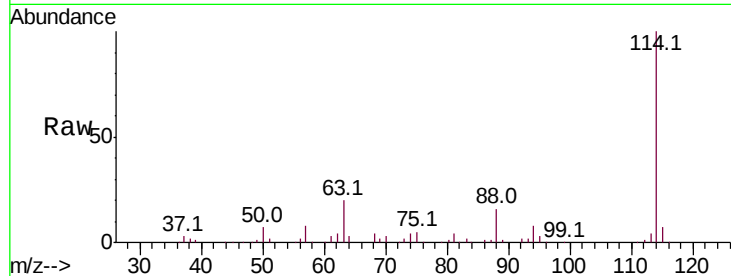
Tot Ion:114 Resp: 85198

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.6

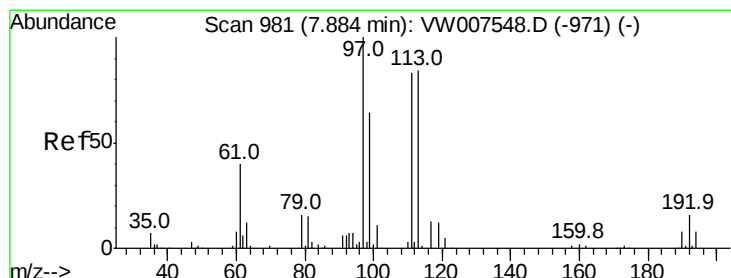
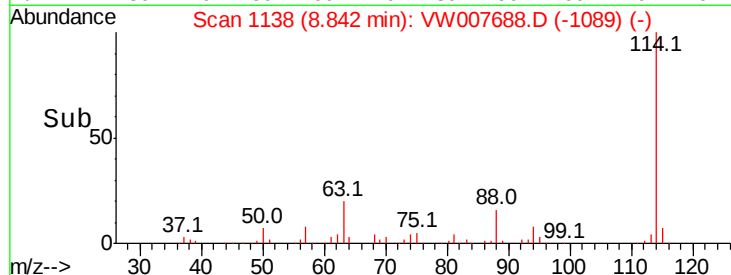
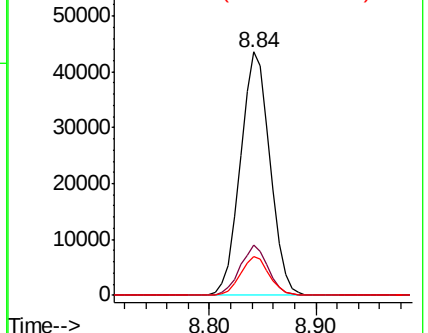
88 15.9 0.0 31.4



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: 60.409 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007688.D

Acq: 19 Dec 2018 06:16

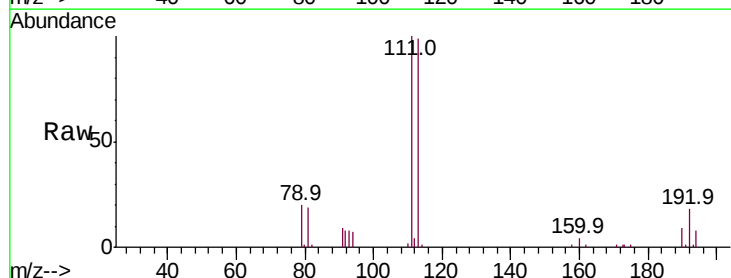
Tgt Ion:113 Resp: 31155

Ion Ratio Lower Upper

113 100

111 100.3 81.1 121.7

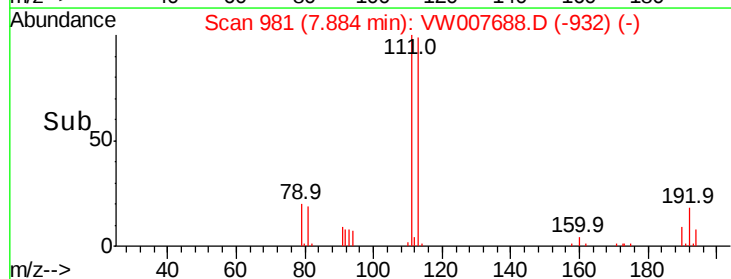
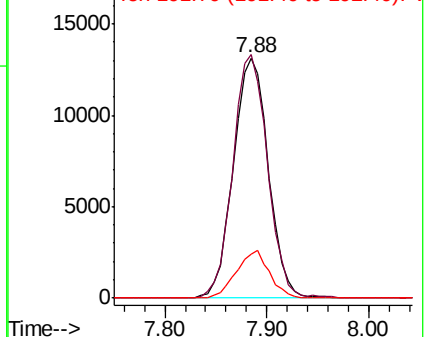
192 18.6 14.6 21.8

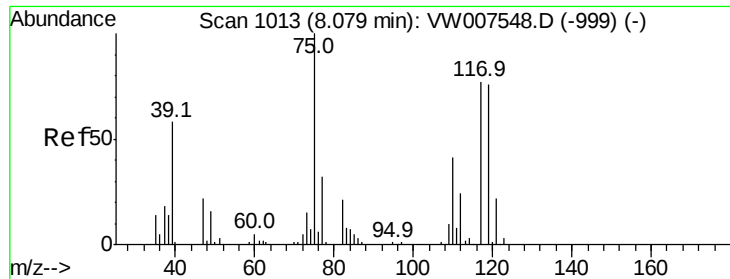


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.040 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW007688.D

Acq: 19 Dec 2018 06:16

Instrument :

MSVOA_D

ClientSampleId :

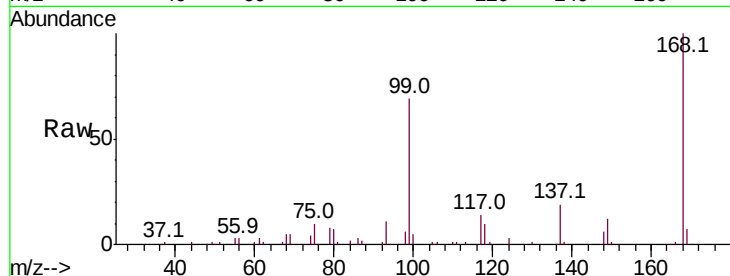
Tot Ion: 75 Resp: 3917

Ion Ratio Lower Upper

75 100

110 10.6 18.5 55.5#

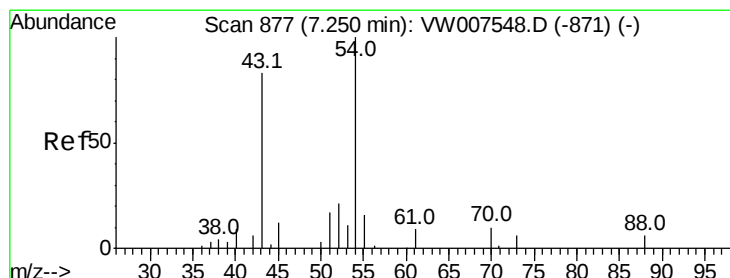
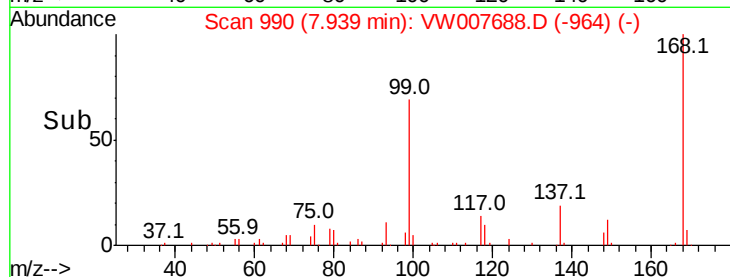
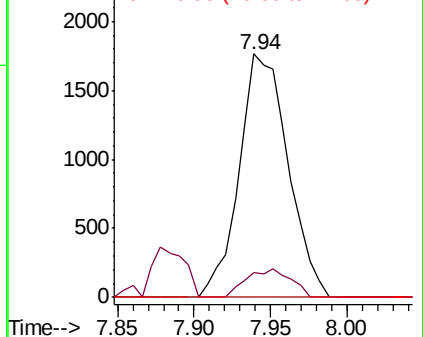
77 0.0 25.6 38.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 2.051 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.07 min

Lab File: VW007688.D

Acq: 19 Dec 2018 06:16

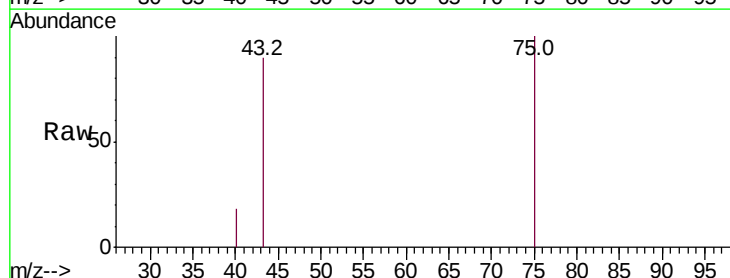
Tgt Ion: 43 Resp: 593

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

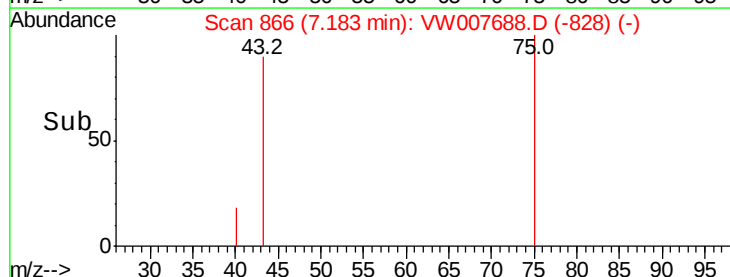
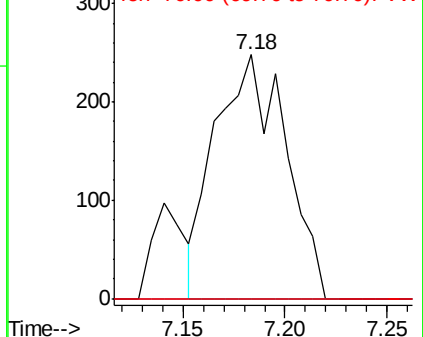
70 0.0 10.0 15.0#

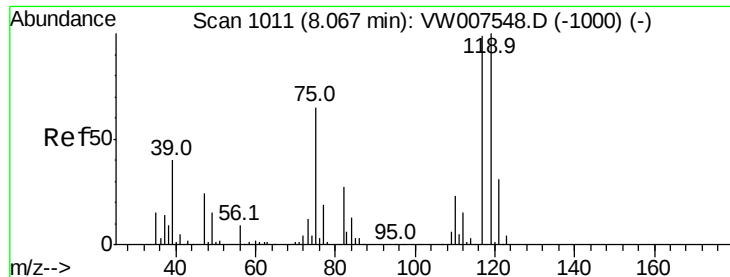


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

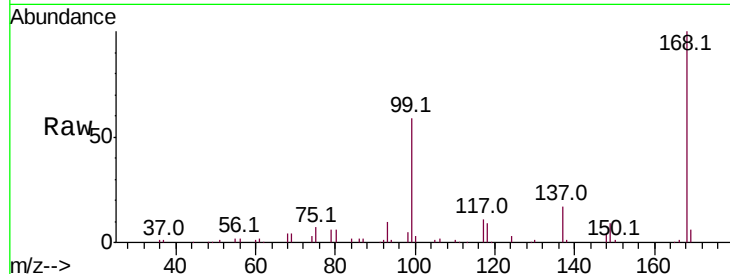




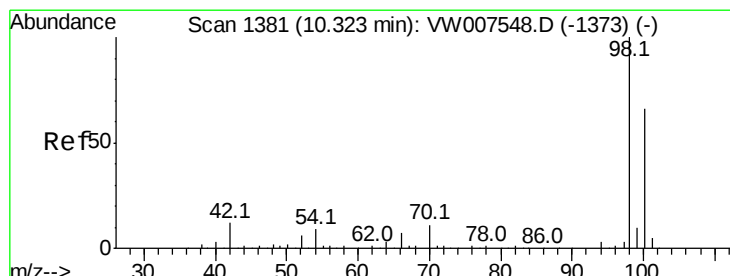
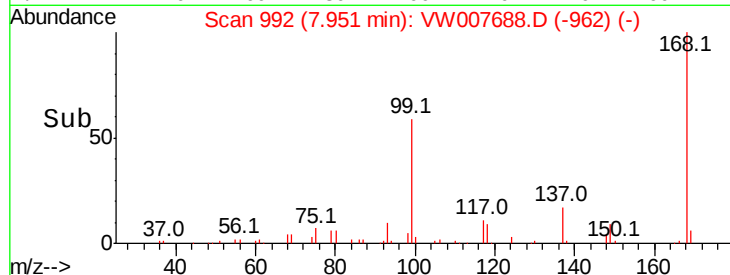
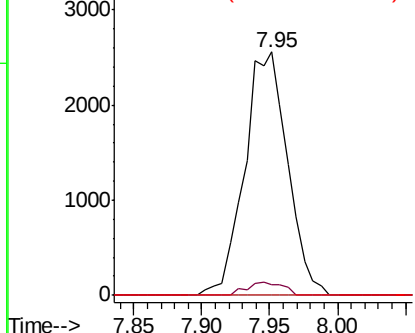
#38
Carbon Tetrachloride
Concen: 6.689 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007688.D
Acq: 19 Dec 2018 06:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 5657
Ion Ratio Lower Upper
117 100
119 4.5 74.3 111.5#
121 0.0 24.3 36.5#

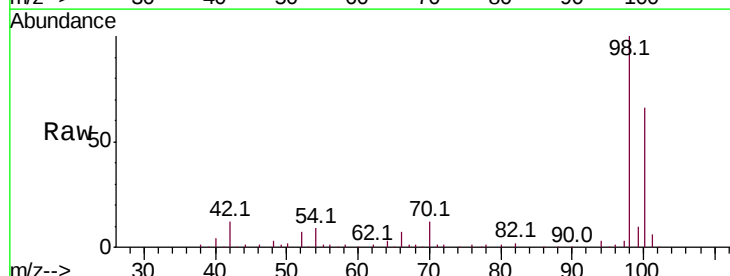


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

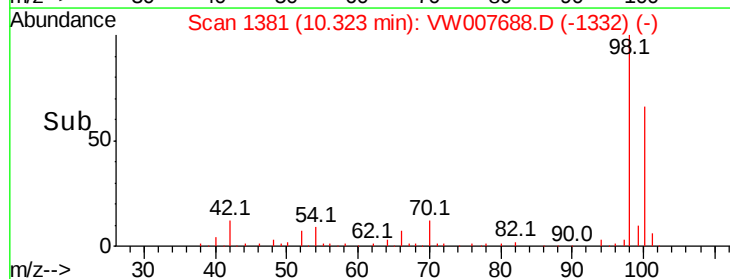
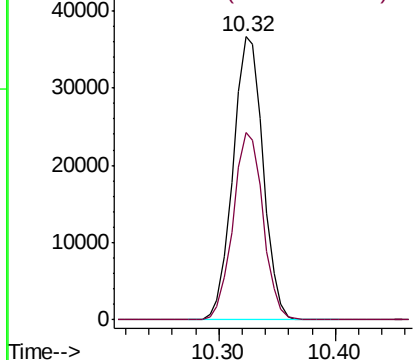


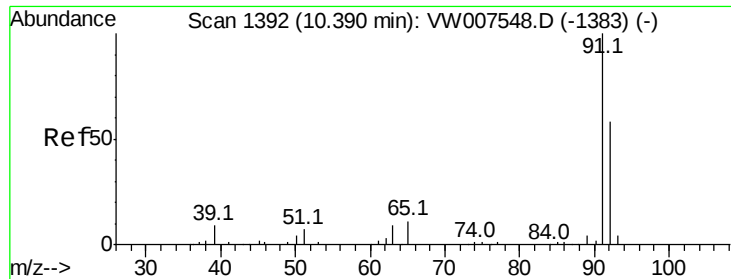
#50
Toluene-d8
Concen: 34.049 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007688.D
Acq: 19 Dec 2018 06:16

Tgt Ion: 98 Resp: 65842
Ion Ratio Lower Upper
98 100
100 66.0 51.8 77.8



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





#52

Toluene

Concen: 1.174 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007688.D

Acq: 19 Dec 2018 06:16

Instrument :

MSVOA_D

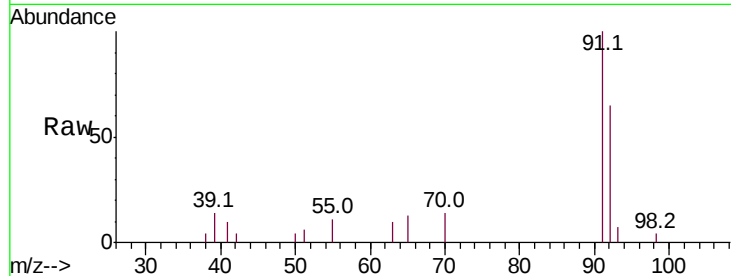
ClientSampleId :

Tot Ion: 92 Resp: 1639

Ion Ratio Lower Upper

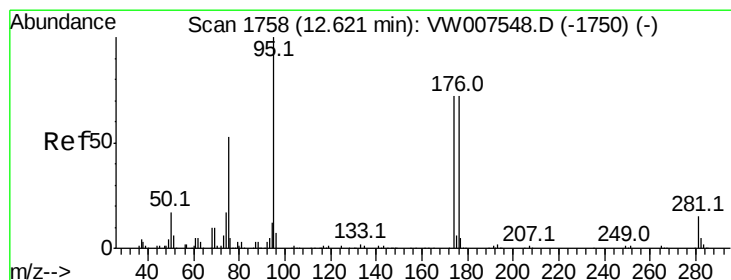
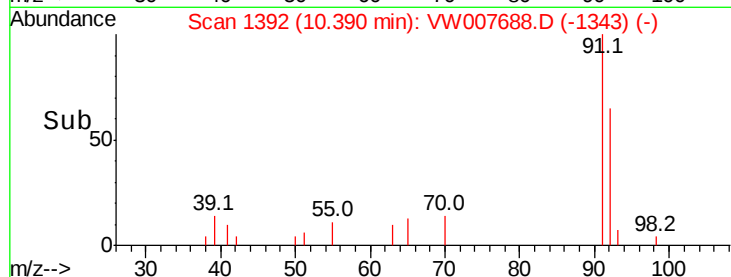
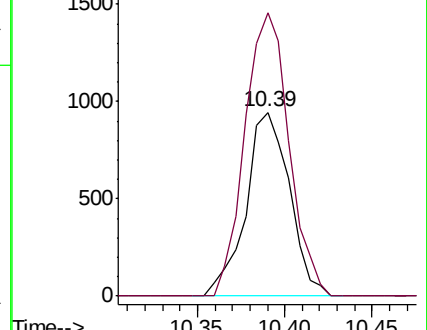
92 100

91 156.1 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 32.801 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007688.D

Acq: 19 Dec 2018 06:16

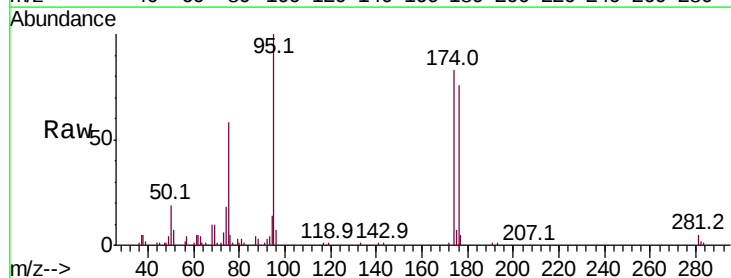
Tgt Ion: 95 Resp: 23321

Ion Ratio Lower Upper

95 100

174 77.7 0.0 147.2

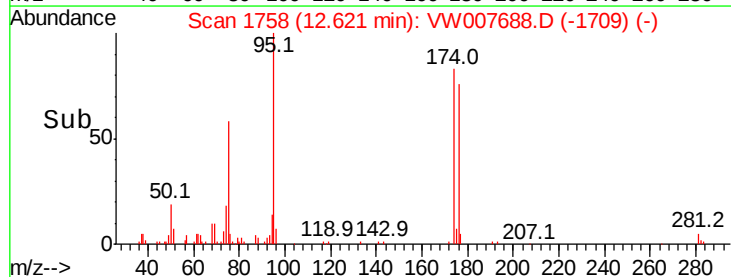
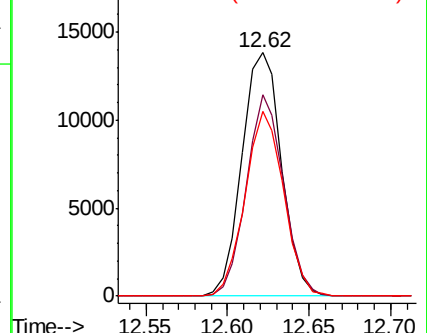
176 73.9 0.0 138.8

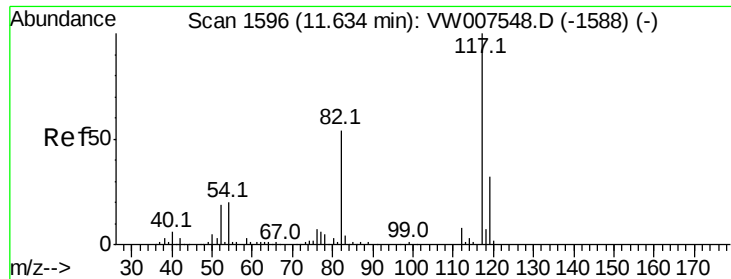


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

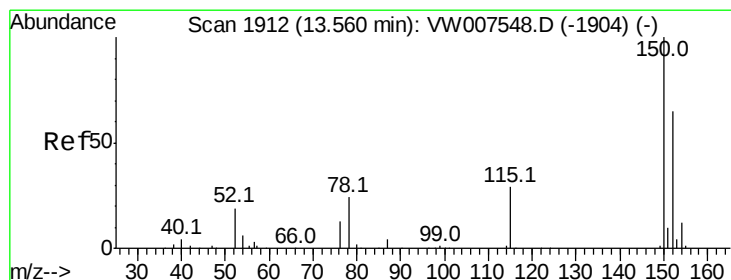
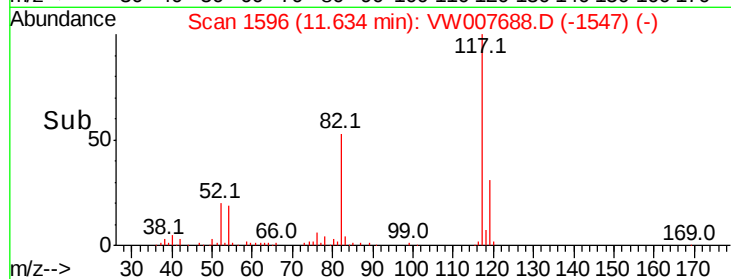
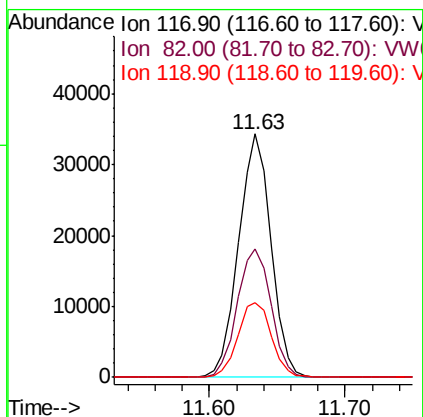
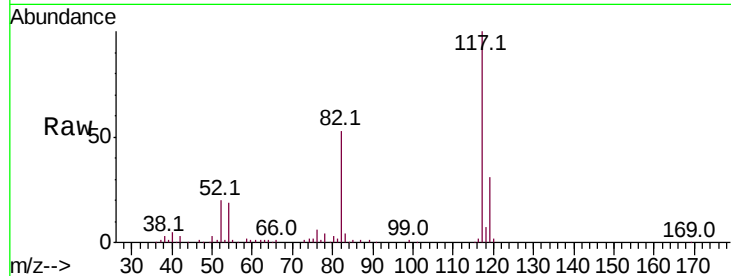




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007688.D
Acq: 19 Dec 2018 06:16

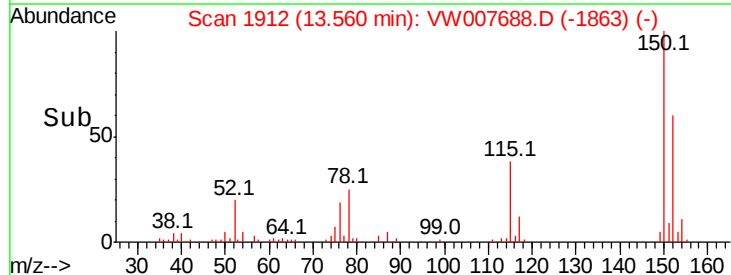
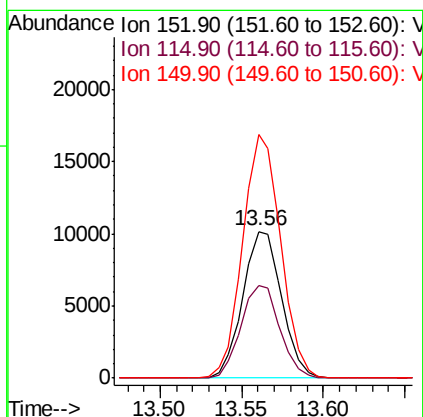
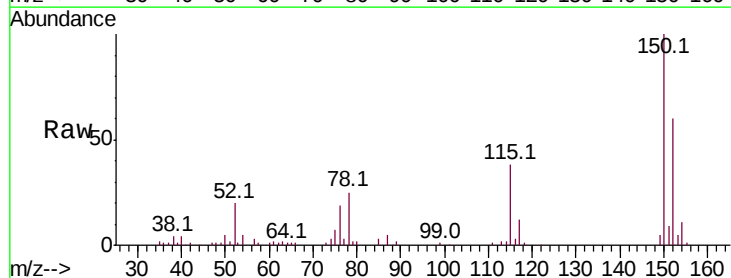
Instrument :
MSVOA_D
ClientSampleId :

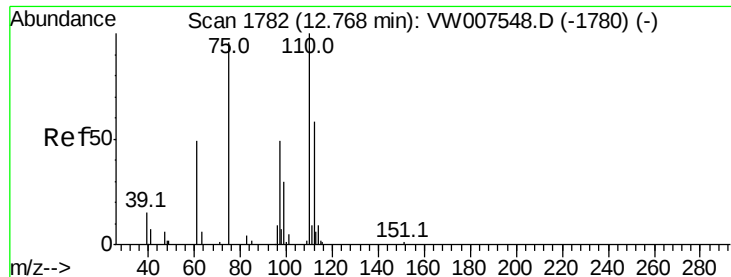
Tot Ion:117 Resp: 57155
Ion Ratio Lower Upper
117 100
82 52.9 42.3 63.5
119 30.6 23.0 34.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007688.D
Acq: 19 Dec 2018 06:16

Tgt Ion:152 Resp: 16832
Ion Ratio Lower Upper
152 100
115 63.0 31.4 94.2
150 162.4 0.0 358.4





#76

1,2,3-Trichloropropane

Concen: 87.200 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007688.D

Acq: 19 Dec 2018 06:16

Instrument :

MSVOA_D

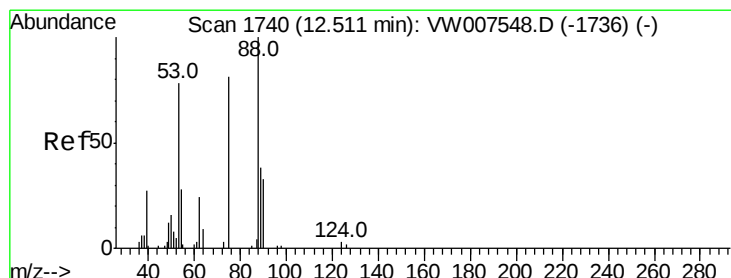
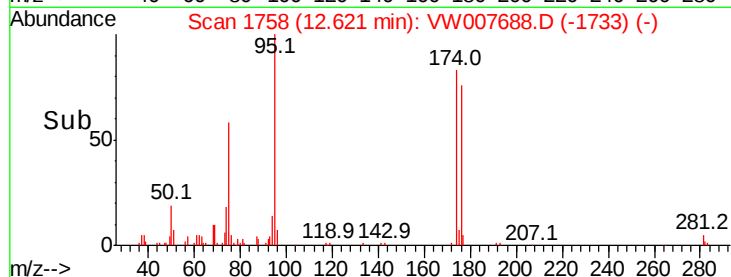
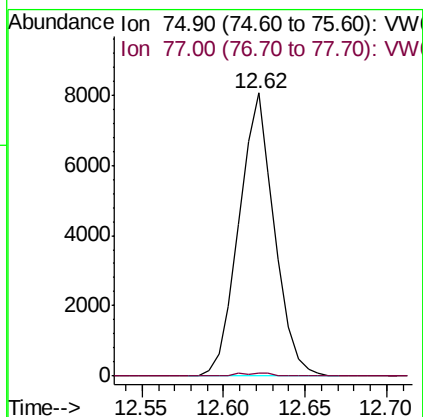
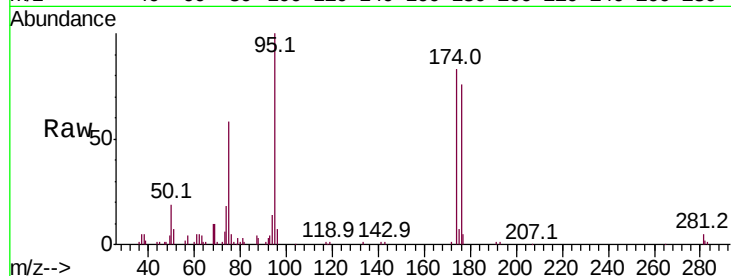
ClientSampleId :

Tot Ion: 75 Resp: 12102

Ion Ratio Lower Upper

75 100

77 0.9 166.9 500.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 192.625 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007688.D

Acq: 19 Dec 2018 06:16

Tgt Ion: 75 Resp: 12102

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

