

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121918\
 Data File : VW007628.D
 Acq On : 17 Dec 2018 13:49
 Operator : SY/AP
 Sample : J6378-01RE
 Misc : 4.79G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 18 07:04:35 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	46962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	77827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	59016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	19155	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	25475	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
35) Dibromofluoromethane	7.88	113	24607	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
50) Toluene-d8	10.32	98	81171	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	
62) 4-Bromofluorobenzene	12.62	95	23486	36.16	ug/l	0.00
Spiked Amount			Recovery	=	72.32%	

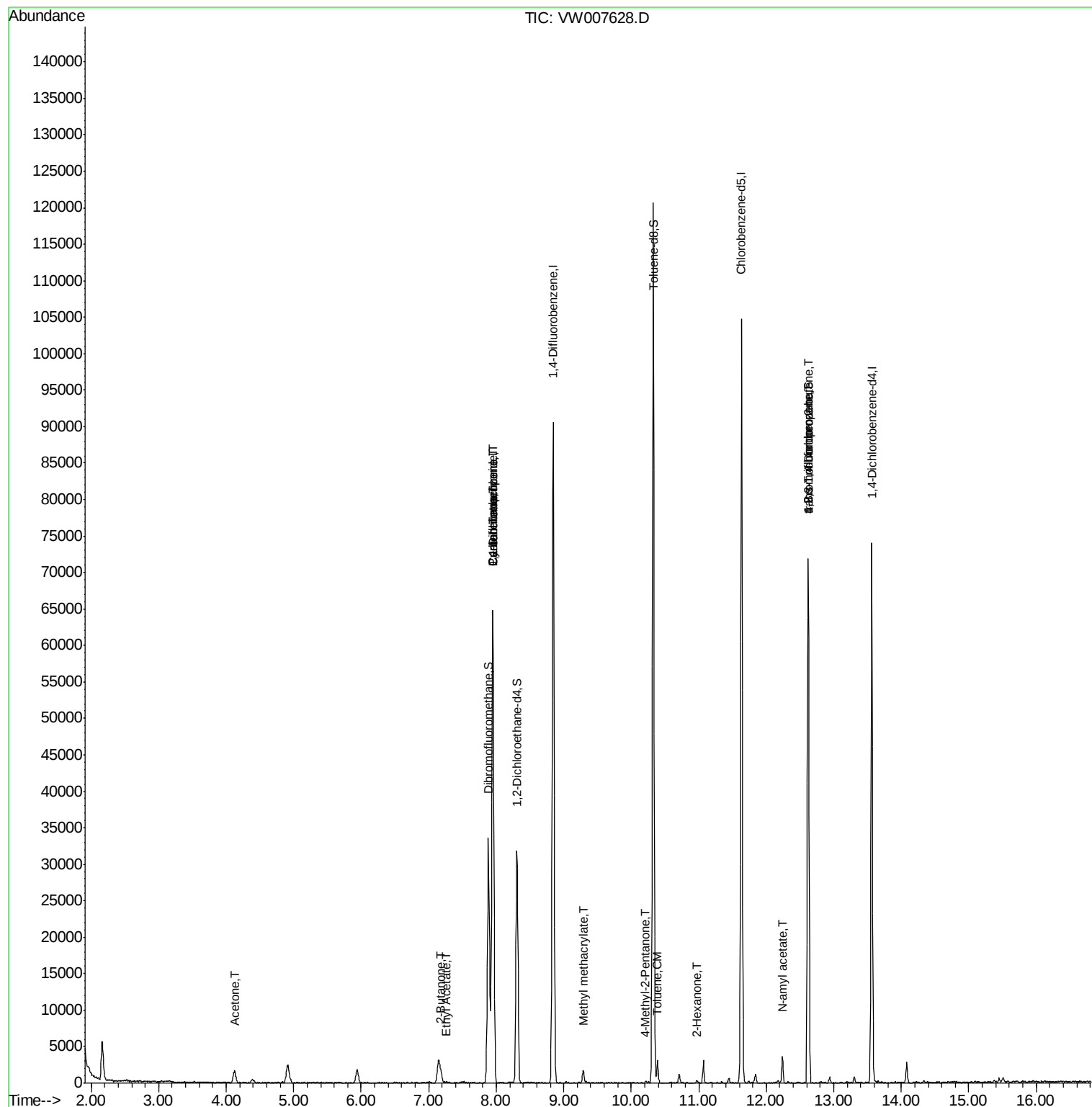
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	3154	34.658	ug/l	94
25) 2-Butanone	7.18	43	2485	20.916	ug/l	95
31) Cyclohexane	7.95	56	1108	1.369	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	3820	5.381	ug/l #	48
37) Ethyl Acetate	7.26	43	339	1.284	ug/l #	66
38) Carbon Tetrachloride	7.95	117	5177	6.702	ug/l #	19
48) Methyl methacrylate	9.29	41	291	1.086	ug/l #	44
51) 4-Methyl-2-Pentanone	10.21	43	275	1.116	ug/l #	34
52) Toluene	10.39	92	1453	1.140	ug/l	92
59) 2-Hexanone	10.98	43	192	1.168	ug/l	84
74) N-amyl acetate	12.24	43	1980	7.423	ug/l #	44
76) 1,2,3-Trichloropropane	12.62	75	12343	78.151	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	12343	172.636	ug/l #	7

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

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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: VW007628.D

Acq: 17 Dec 2018 13:49

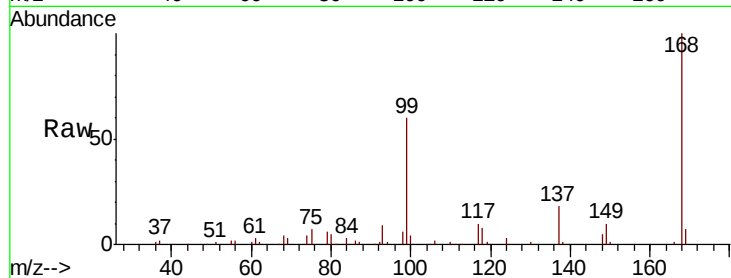
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 46962

Ion Ratio Lower Upper

168 100

99 59.6 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

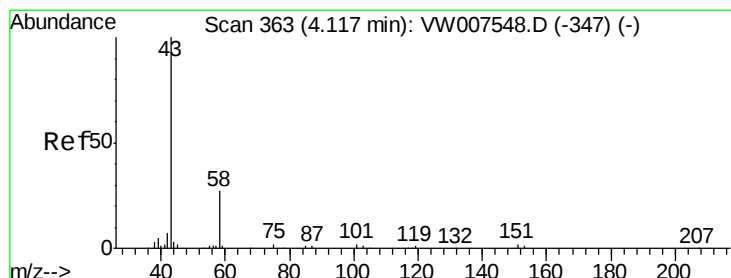
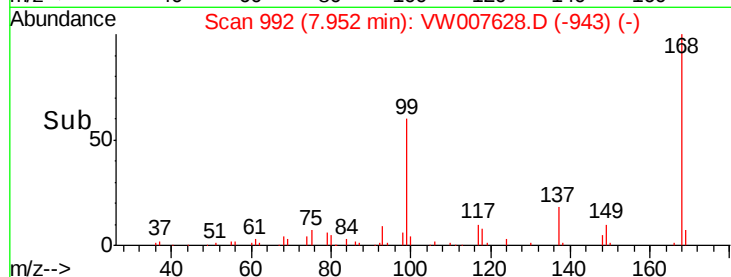
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5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#16

Acetone

Concen: 34.658 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007628.D

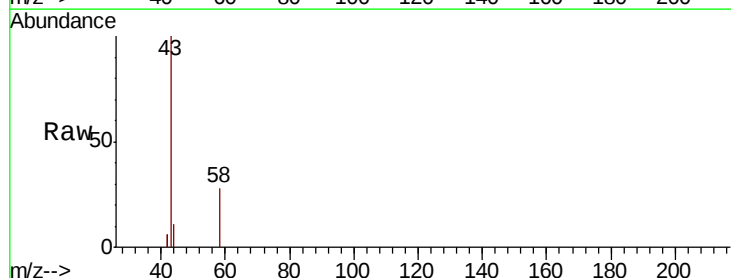
Acq: 17 Dec 2018 13:49

Tgt Ion: 43 Resp: 3154

Ion Ratio Lower Upper

43 100

58 27.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

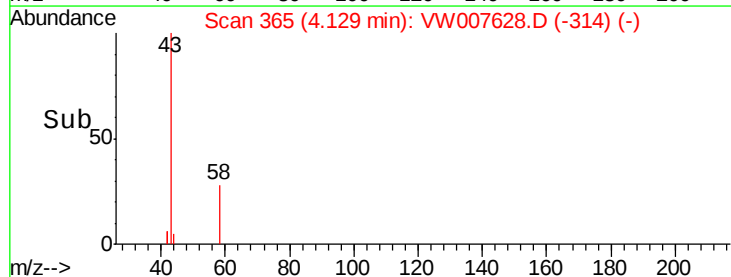
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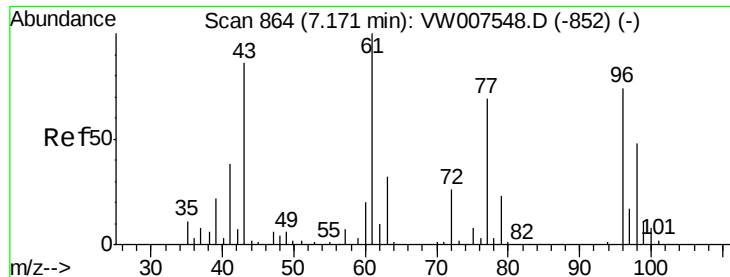
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0

Time-->

4.05 4.10 4.15 4.20

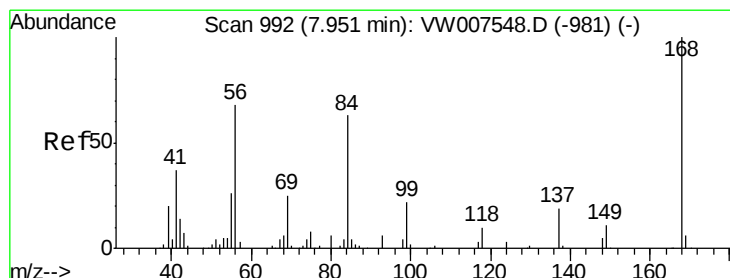
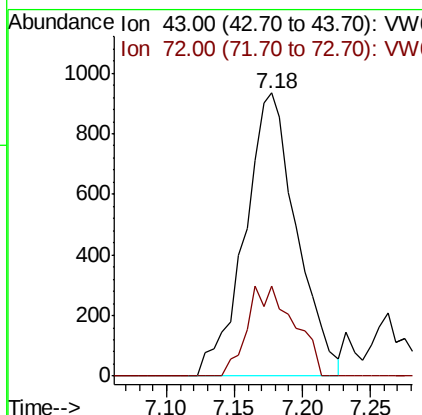
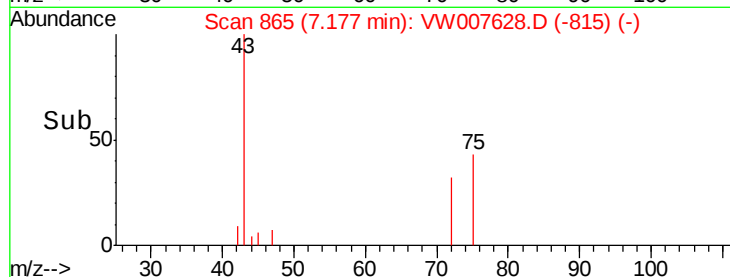
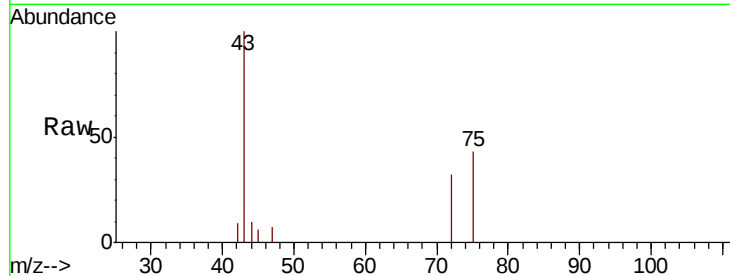




#25
2-Butanone
Concen: 20.916 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007628.D
Acq: 17 Dec 2018 13:49

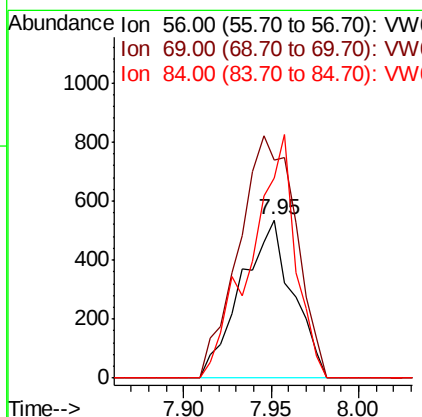
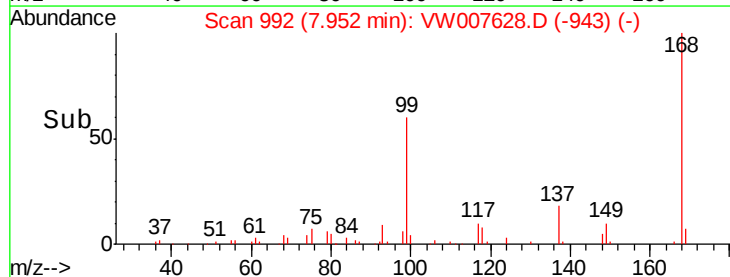
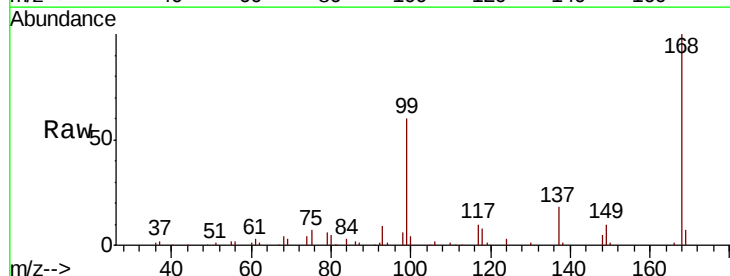
Instrument :
MSVOA_W
ClientSampled :

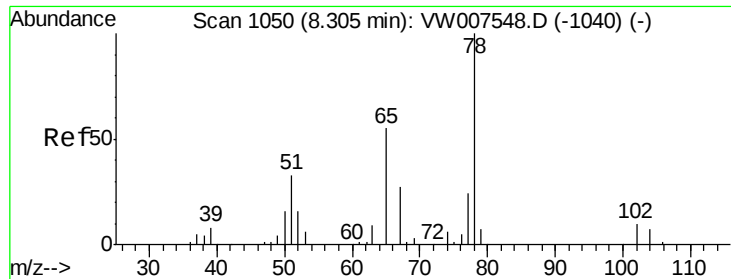
Tot Ion: 43 Resp: 2485
Ion Ratio Lower Upper
43 100
72 31.9 23.4 35.2



#31
Cyclohexane
Concen: 1.369 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007628.D
Acq: 17 Dec 2018 13:49

Tgt Ion: 56 Resp: 1108
Ion Ratio Lower Upper
56 100
69 137.9 28.9 43.3#
84 126.7 71.8 107.6#

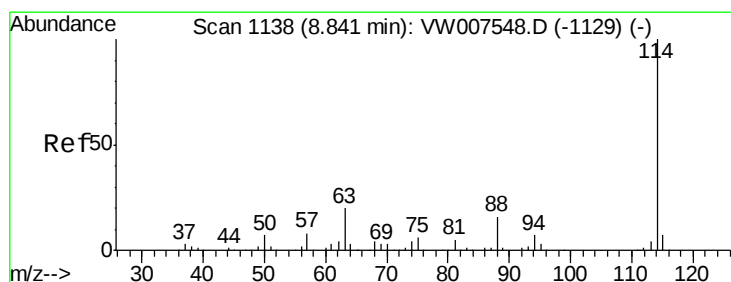
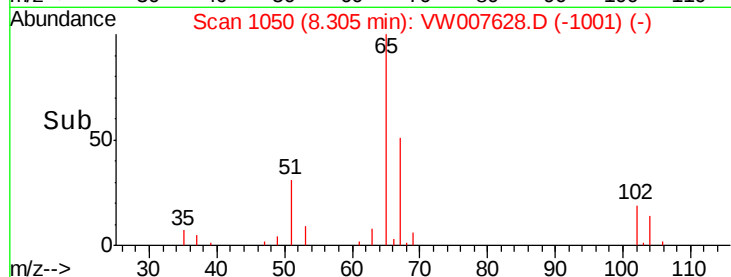
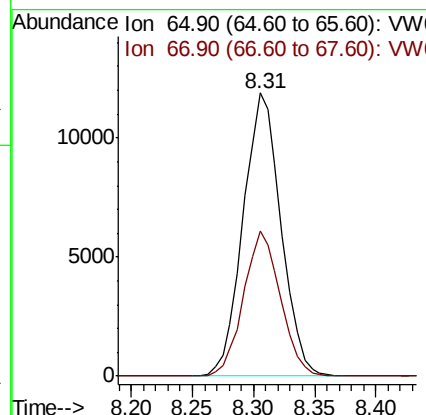
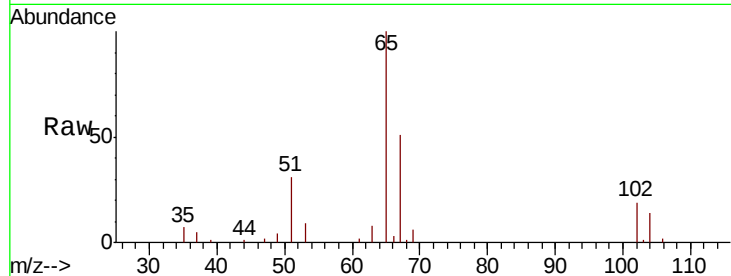




#33
 1,2-Dichloroethane-d4
 Concen: 48.896 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007628.D
 Acq: 17 Dec 2018 13:49

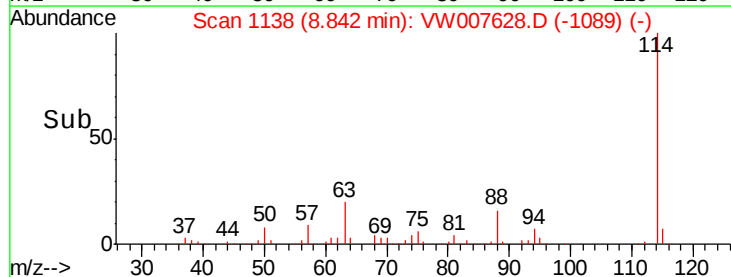
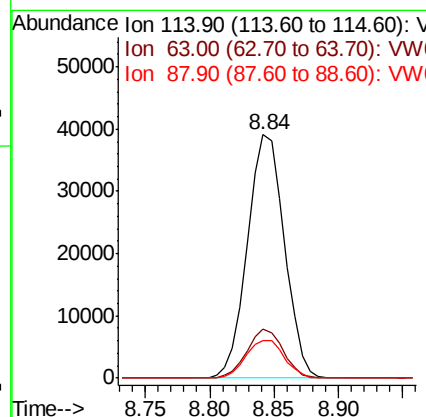
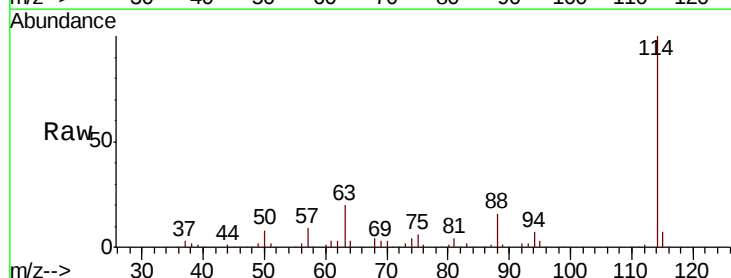
Instrument :
 MSVOA_W
 ClientSampled :

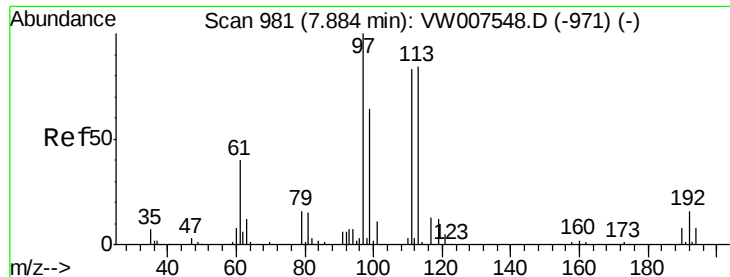
Tot Ion: 65 Resp: 25475
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007628.D
 Acq: 17 Dec 2018 13:49

Tgt Ion: 114 Resp: 77827
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.6
 88 15.6 0.0 31.4

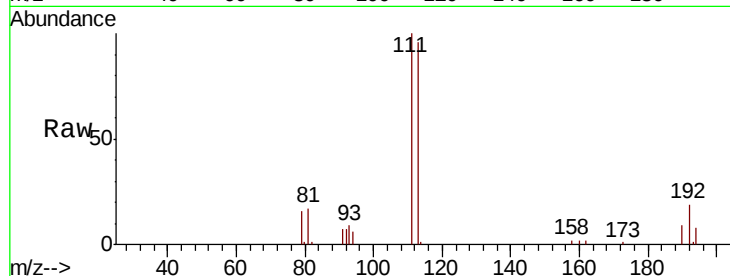




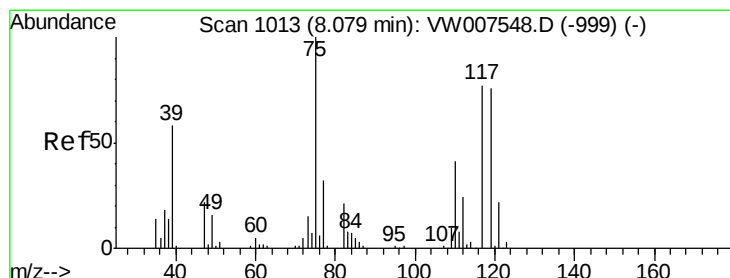
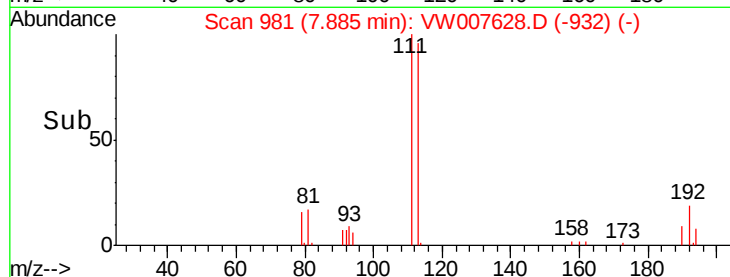
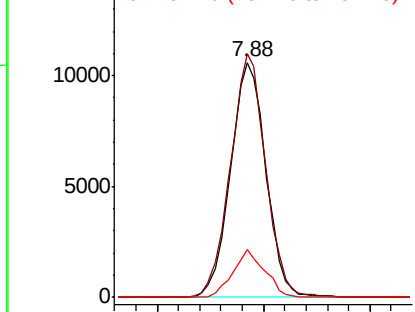
#35
 Dibromofluoromethane
 Concen: 52.231 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007628.D
 Acq: 17 Dec 2018 13:49

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:113 Resp: 24607
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.1 121.7
 192 18.2 14.6 21.8

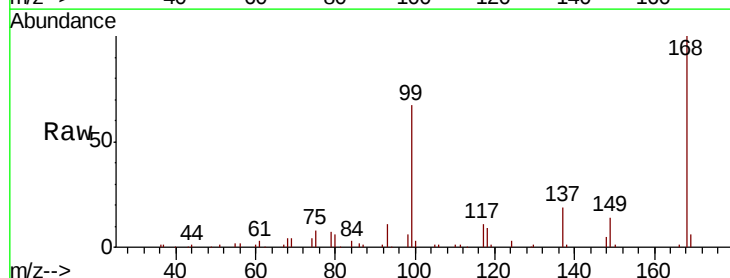


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

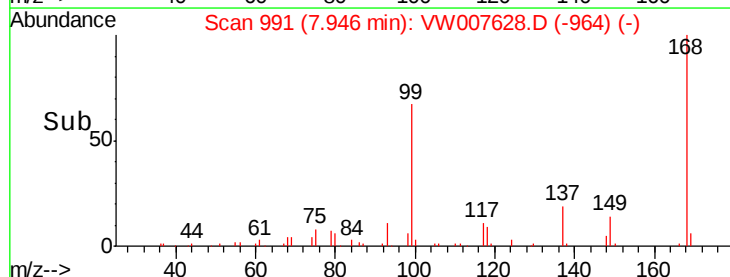
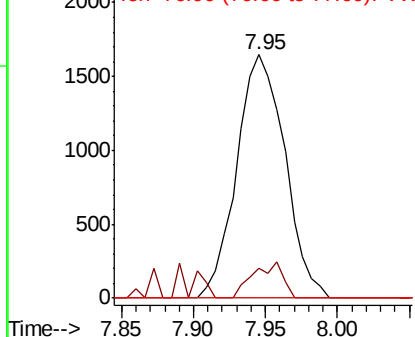


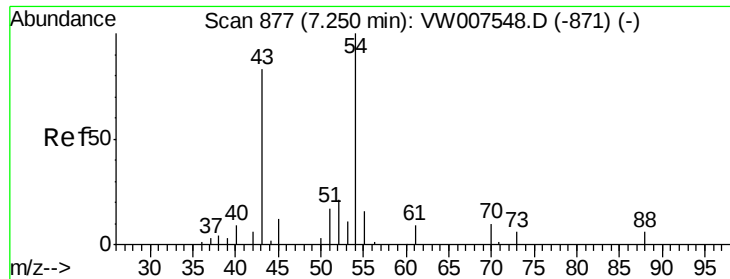
#36
 1,1-Dichloropropene
 Concen: 5.381 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007628.D
 Acq: 17 Dec 2018 13:49

Tgt Ion: 75 Resp: 3820
 Ion Ratio Lower Upper
 75 100
 110 9.1 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: 1.284 ug/l

RT: 7.26 min Scan# 879

Delta R.T. 0.01 min

Lab File: VW007628.D

Acq: 17 Dec 2018 13:49

Instrument :

MSVOA_W

ClientSampled :

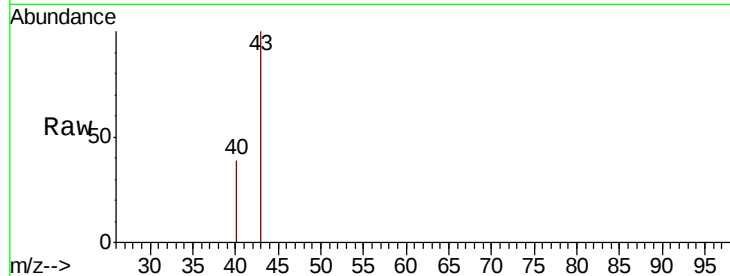
Tot Ion: 43 Resp: 339

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

250

200

150

100

50

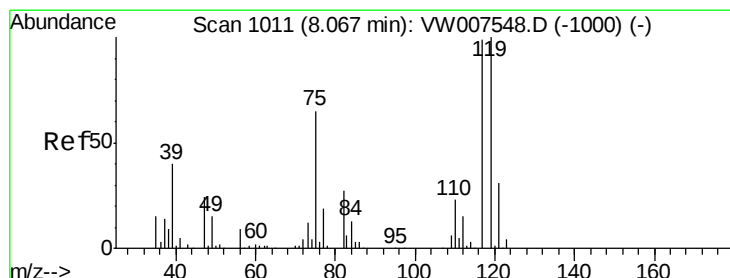
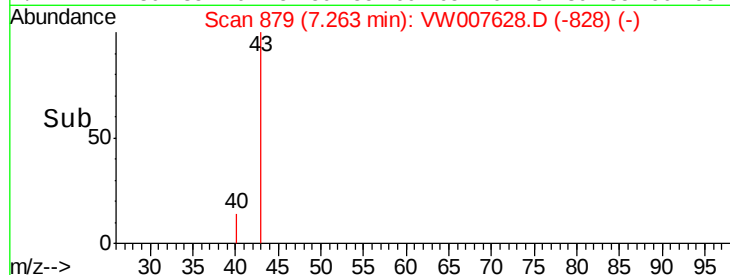
0

7.26

7.25

7.30

Time-->



#38

Carbon Tetrachloride

Concen: 6.702 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007628.D

Acq: 17 Dec 2018 13:49

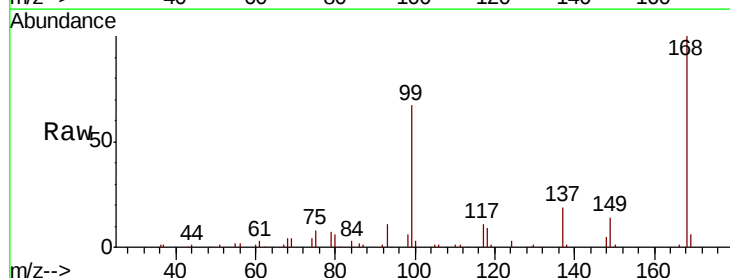
Tgt Ion: 117 Resp: 5177

Ion Ratio Lower Upper

117 100

119 6.8 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

3000

2500

2000

1500

1000

500

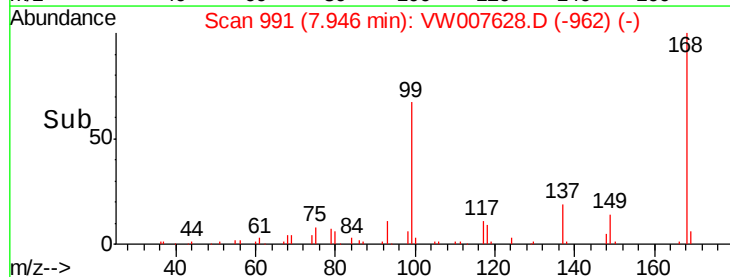
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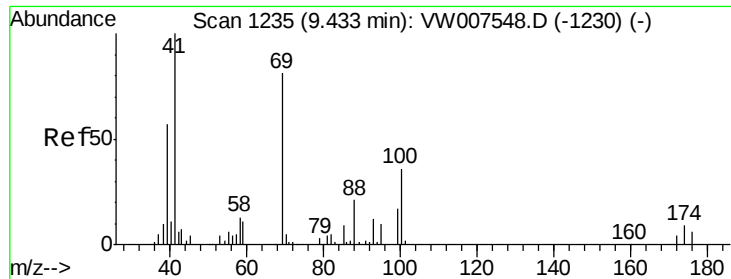
7.95

7.90

8.00

Time-->

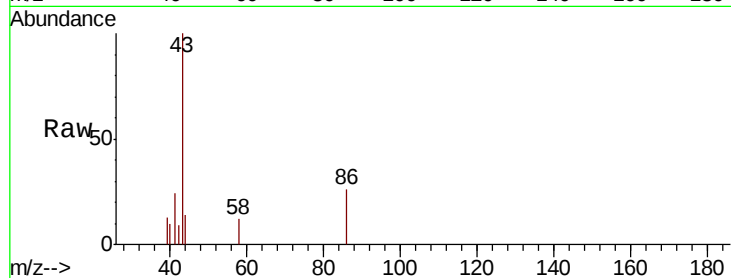




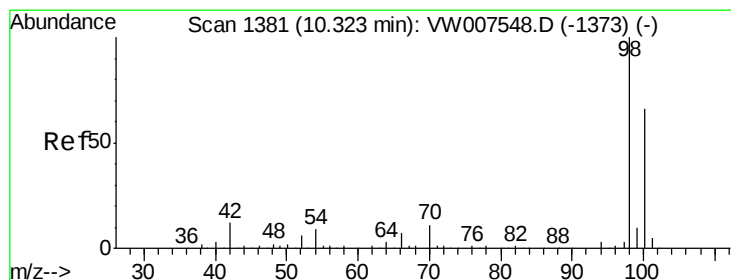
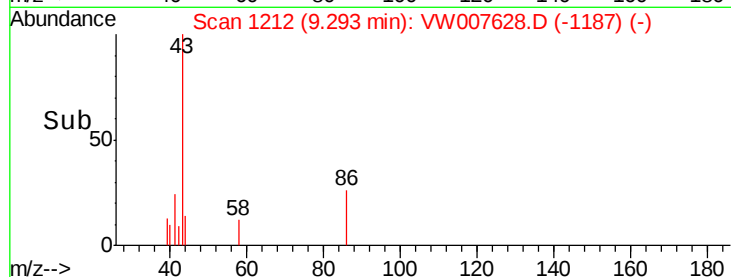
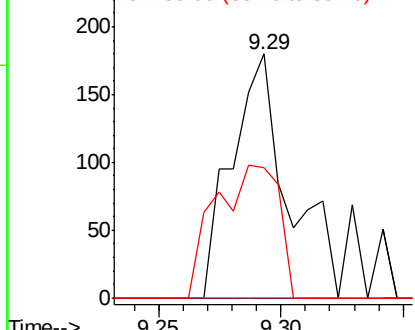
#48
Methvl methacrylate
Concen: 1.086 ug/l
RT: 9.29 min Scan# 1212
Delta R.T. -0.15 min
Lab File: VW007628.D
Acq: 17 Dec 2018 13:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 291
Ion Ratio Lower Upper
41 100
69 0.0 69.8 104.8#
39 60.8 50.9 76.3

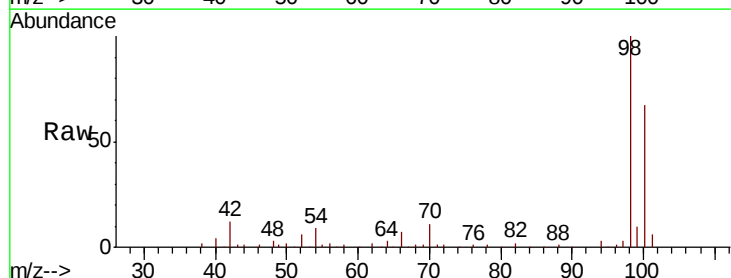


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

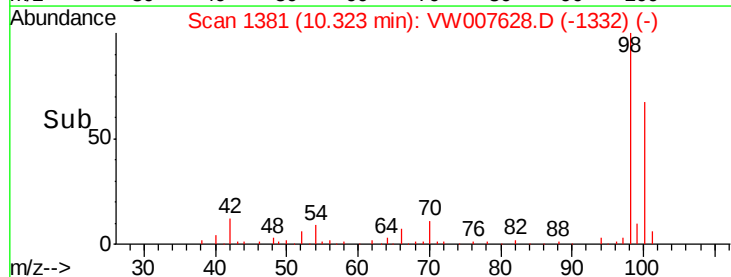
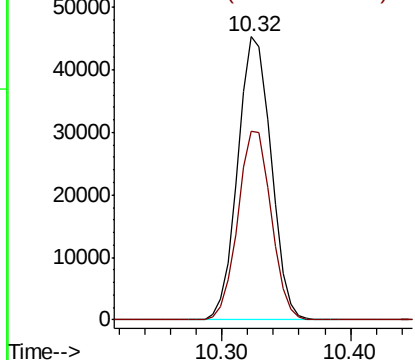


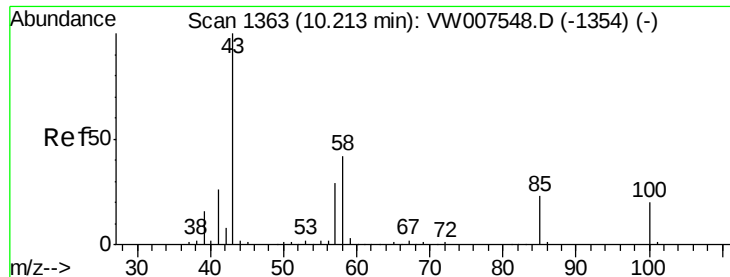
#50
Toluene-d8
Concen: 45.952 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007628.D
Acq: 17 Dec 2018 13:49

Tgt Ion: 98 Resp: 81171
Ion Ratio Lower Upper
98 100
100 66.6 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: 1.116 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007628.D

Acq: 17 Dec 2018 13:49

Instrument :

MSVOA_W

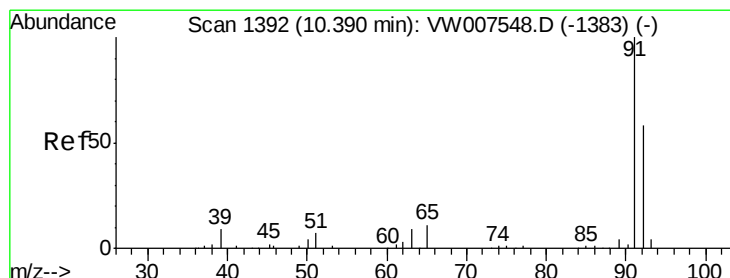
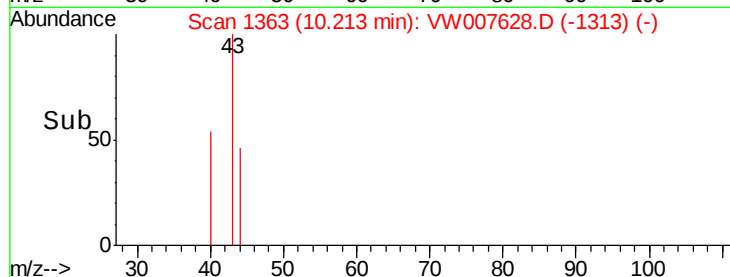
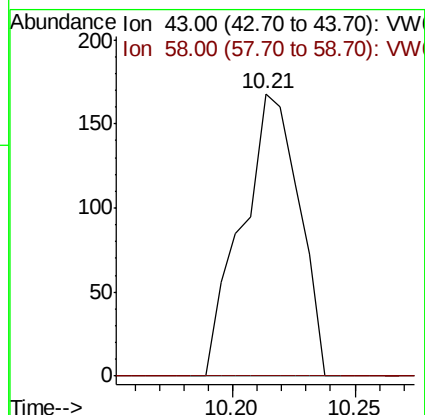
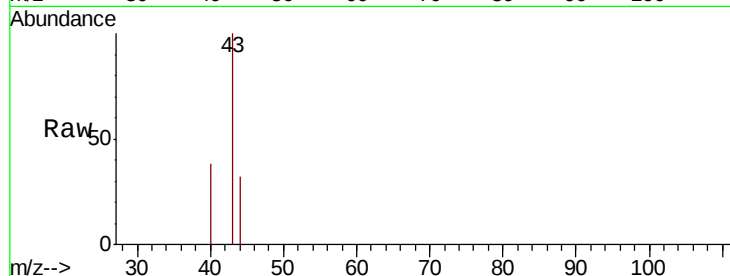
ClientSampleId :

Tot Ion: 43 Resp: 275

Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#



#52

Toluene

Concen: 1.140 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007628.D

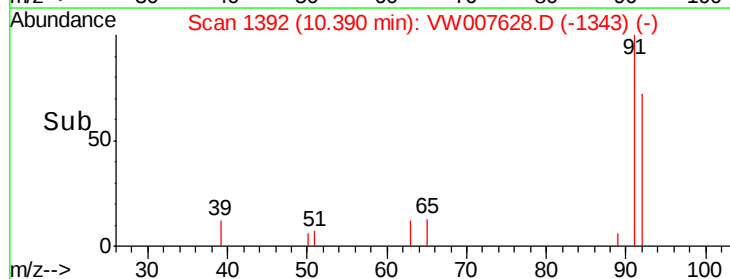
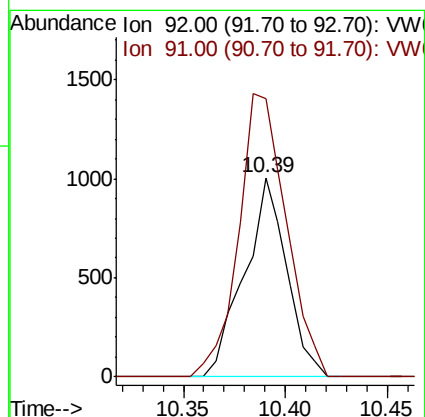
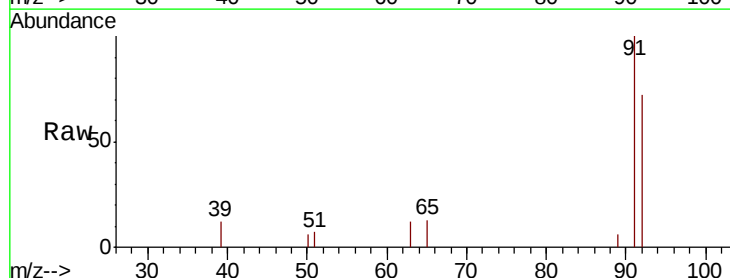
Acq: 17 Dec 2018 13:49

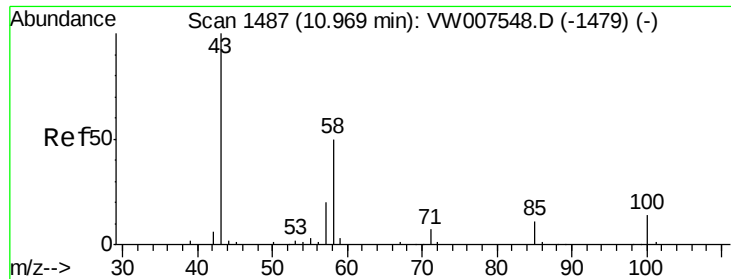
Tgt Ion: 92 Resp: 1453

Ion Ratio Lower Upper

92 100

91 159.5 136.2 204.2





#59

2-Hexanone

Concen: 1.168 ug/l

RT: 10.98 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VW007628.D

Acq: 17 Dec 2018 13:49

Instrument :

MSVOA_W

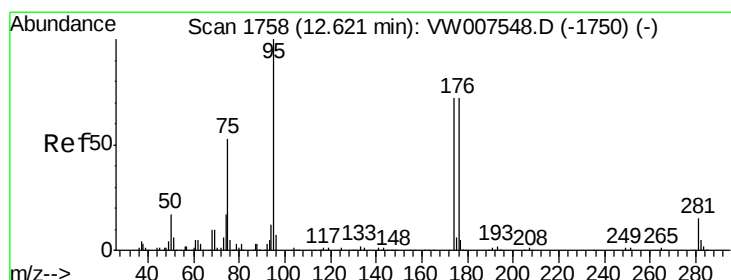
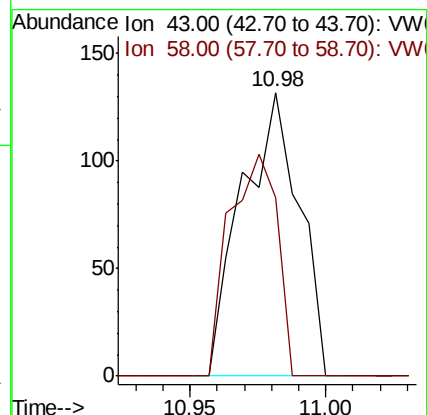
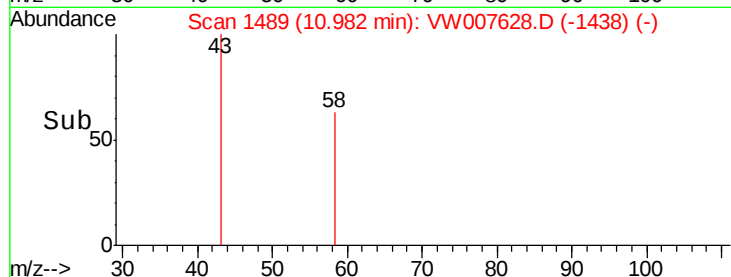
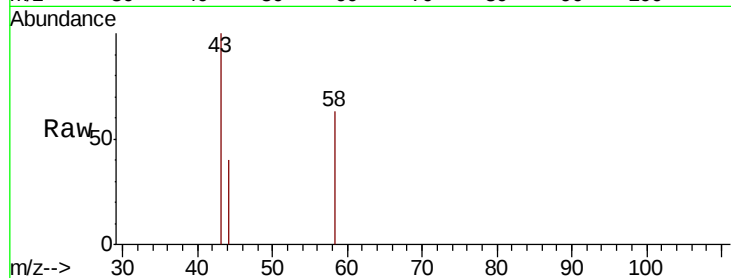
ClientSampled :

Tot Ion: 43 Resp: 192

Ion Ratio Lower Upper

43 100

58 65.6 27.1 81.3



#62

4-Bromofluorobenzene

Concen: 36.162 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007628.D

Acq: 17 Dec 2018 13:49

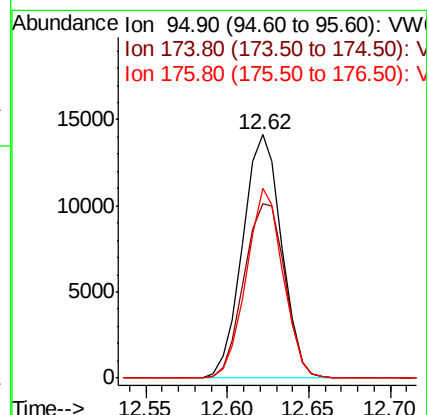
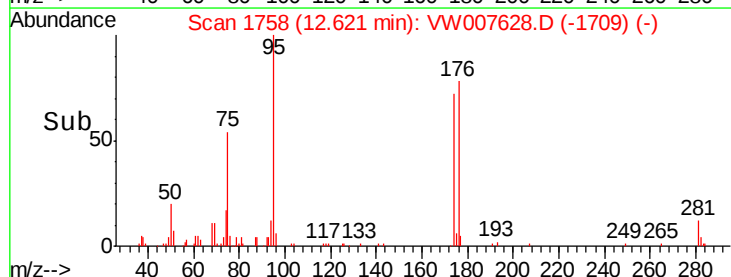
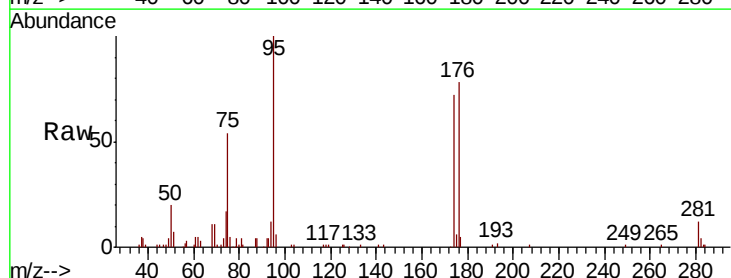
Tgt Ion: 95 Resp: 23486

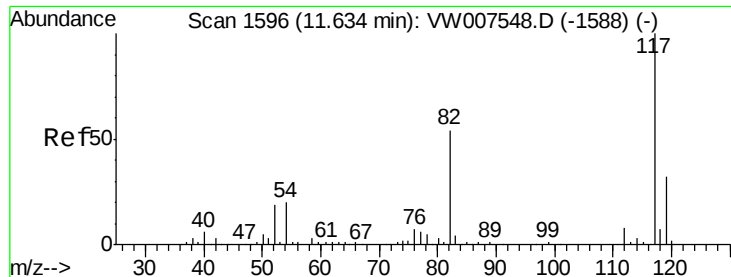
Ion Ratio Lower Upper

95 100

174 75.6 0.0 147.2

176 73.4 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: VW007628.D

Acq: 17 Dec 2018 13:49

Instrument :

MSVOA_W

ClientSampleId :

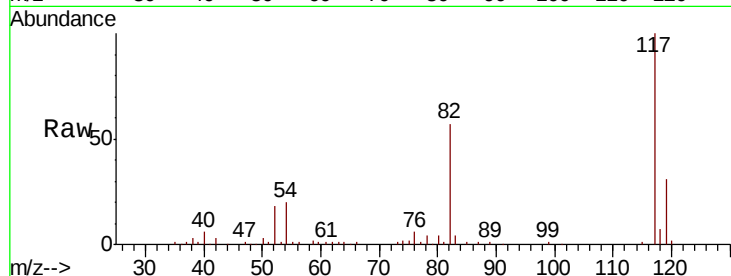
Tot Ion:117 Resp: 59016

Ion Ratio Lower Upper

117 100

82 57.3 42.3 63.5

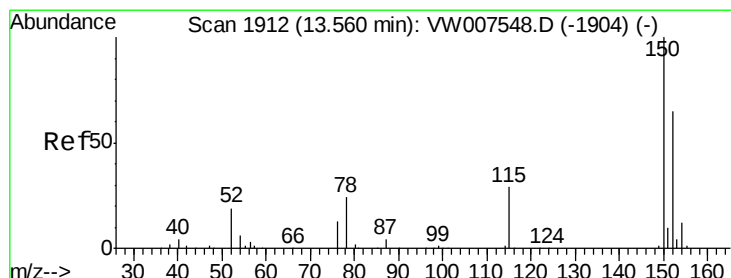
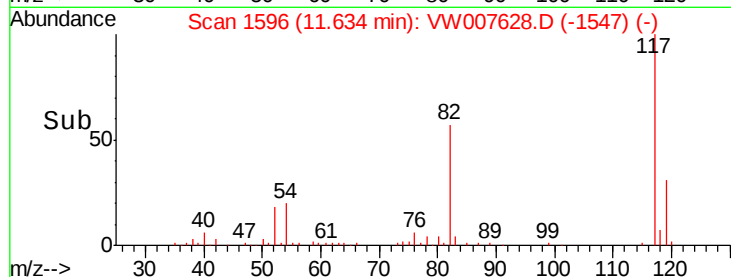
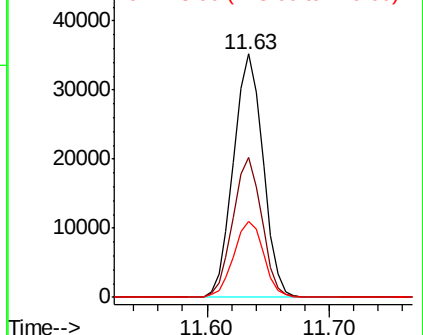
119 31.2 23.0 34.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007628.D

Acq: 17 Dec 2018 13:49

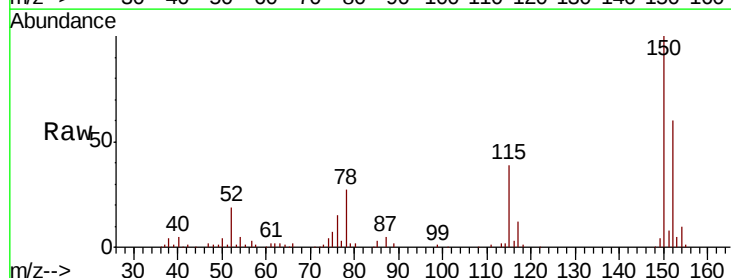
Tgt Ion:152 Resp: 19155

Ion Ratio Lower Upper

152 100

115 61.7 31.4 94.2

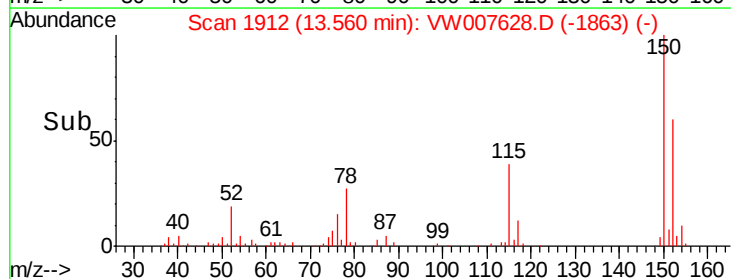
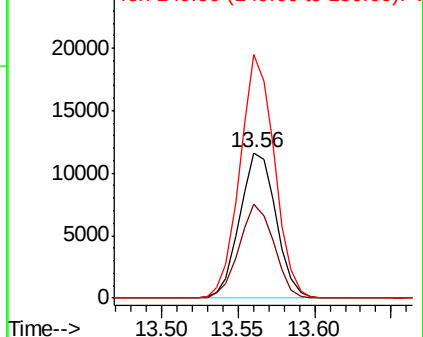
150 158.9 0.0 358.4

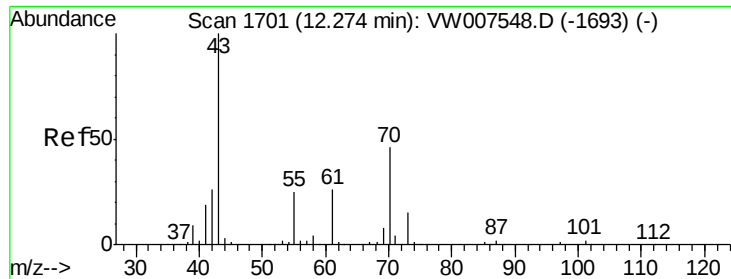


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 7.423 ug/l

RT: 12.24 min Scan# 1695

Delta R.T. -0.04 min

Lab File: VW007628.D

Acq: 17 Dec 2018 13:49

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 1980

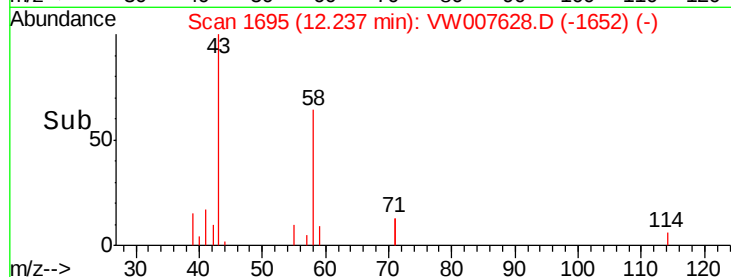
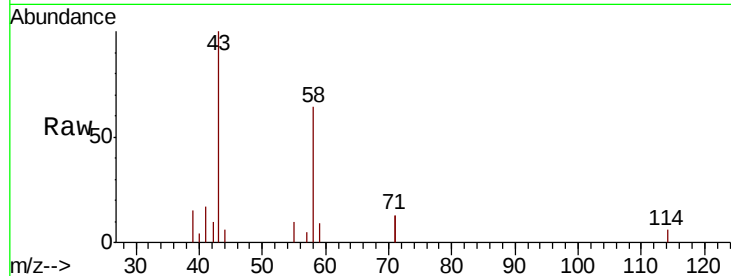
Ion Ratio Lower Upper

43 100

70 0.0 36.5 54.7#

55 4.8 20.1 30.1#

61 0.0 19.3 28.9#

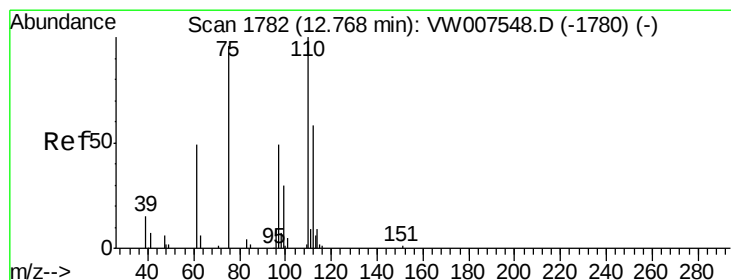
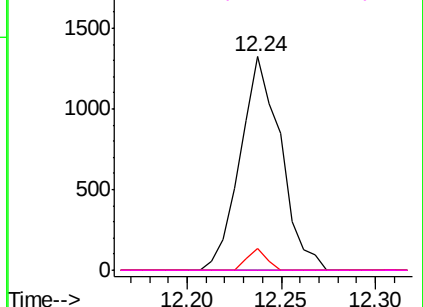


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 78.151 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007628.D

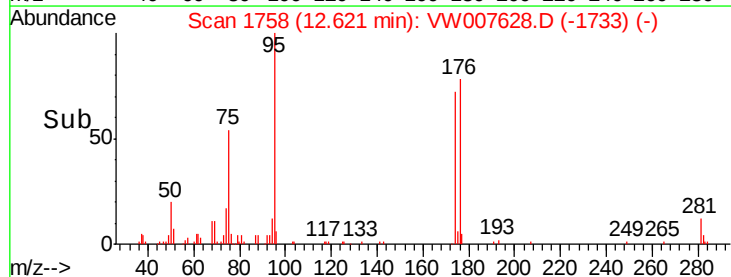
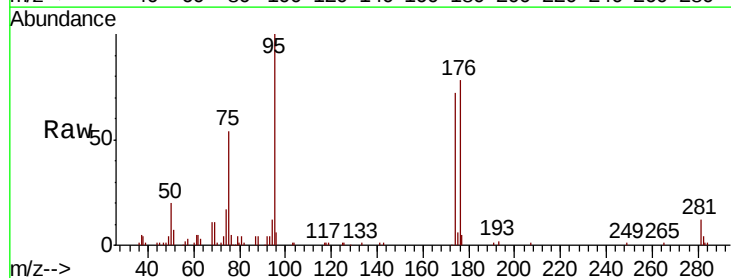
Acq: 17 Dec 2018 13:49

Tgt Ion: 75 Resp: 12343

Ion Ratio Lower Upper

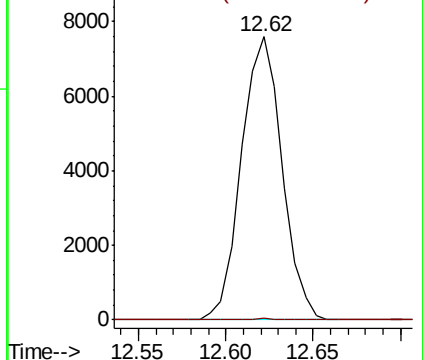
75 100

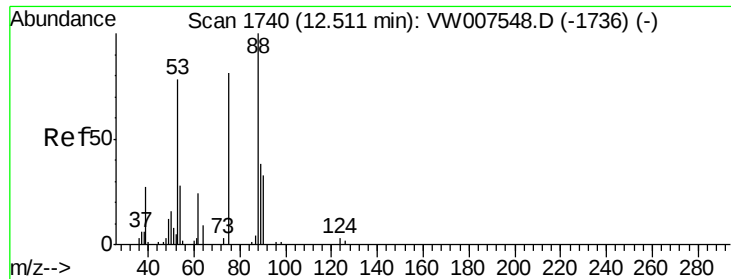
77 0.2 166.9 500.8#



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: 172.636 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007628.D

Acq: 17 Dec 2018 13:49

Instrument :

MSVOA_W

ClientSampleId :

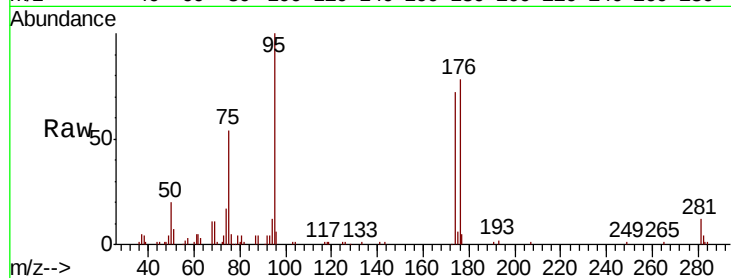
Tot Ion: 75 Resp: 12343

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

