

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122118\
 Data File : VW007727.D
 Acq On : 20 Dec 2018 05:31
 Operator : SY/AP
 Sample : J6362-02RE
 Misc : 4.32G/5ML/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P-2RE

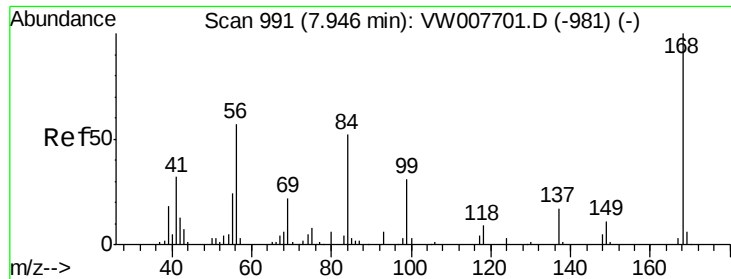
Quant Time: Dec 20 06:56:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	92049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	156982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	123423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60125	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	46728	46.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.64%	
35) Dibromofluoromethane	7.88	113	44350	46.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.62%	
50) Toluene-d8	10.32	98	110199	30.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	61.04%	
62) 4-Bromofluorobenzene	12.62	95	55856	40.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	80.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.92	84	3475	Below Cal	#	86
31) Cyclohexane	7.95	56	1844	1.228	ug/l #	35
36) 1,1-Dichloropropene	7.95	75	6795	4.485	ug/l #	50
38) Carbon Tetrachloride	7.95	117	9704	5.438	ug/l #	14
52) Toluene	10.39	92	3507	1.293	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	28610	61.565	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	28610	129.230	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007727.D

Acq: 20 Dec 2018 05:31

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MSVOA_W

ClientSampleId :

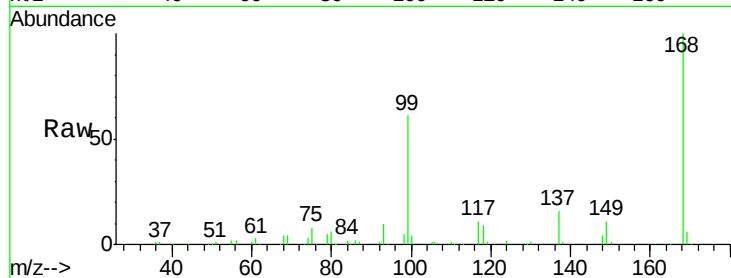
P-2RE

Tgt Ion:168 Resp: 92049

Ion Ratio Lower Upper

168 100

99 61.3 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

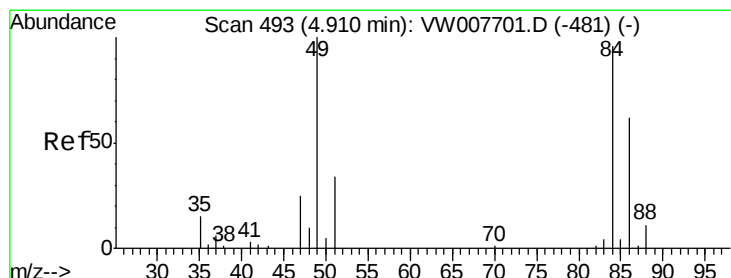
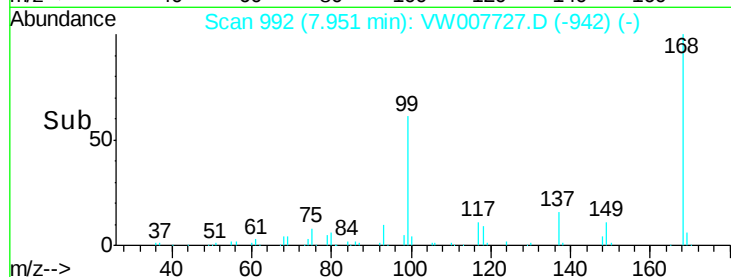
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007727.D

Acq: 20 Dec 2018 05:31

Tgt Ion: 84 Resp: 3475

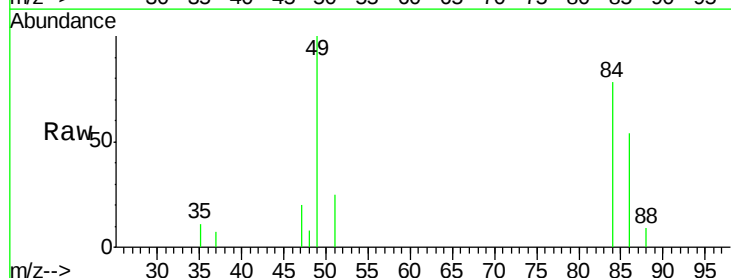
Ion Ratio Lower Upper

84 100

49 128.2 83.7 125.5#

51 32.2 28.2 42.2

86 69.6 52.2 78.2



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

2000

1500

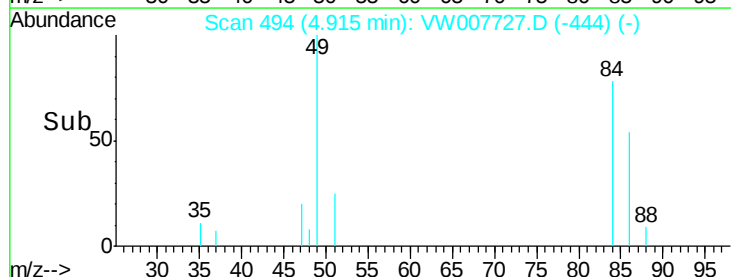
1000

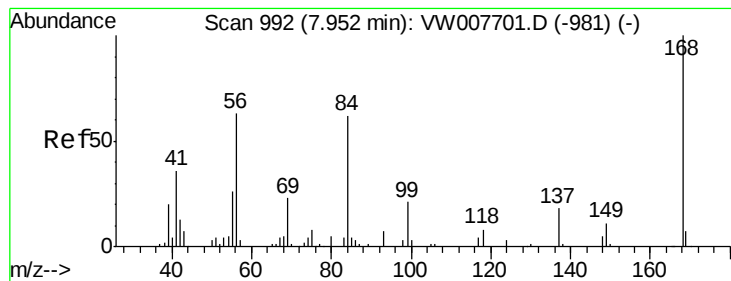
500

0

4.80 4.85 4.90 4.95 5.00

Time-->





#31

Cyclohexane

Concen: 1.228 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007727.D

Acq: 20 Dec 2018 05:31

Instrument :

MSVOA_W

ClientSampleId :

P-2RE

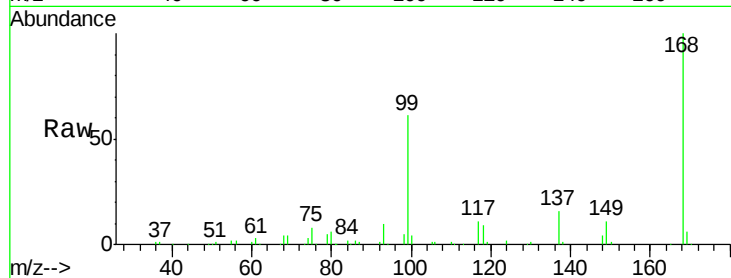
Tgt Ion: 56 Resp: 1844

Ion Ratio Lower Upper

56 100

69 172.1 29.7 44.5#

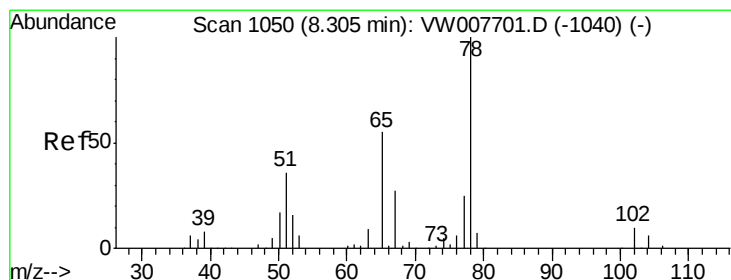
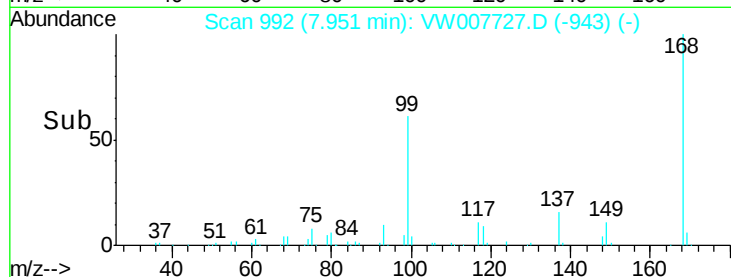
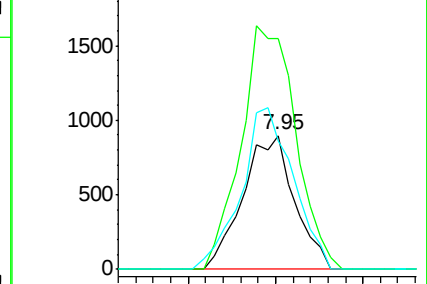
84 102.2 78.9 118.3



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: 46.316 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007727.D

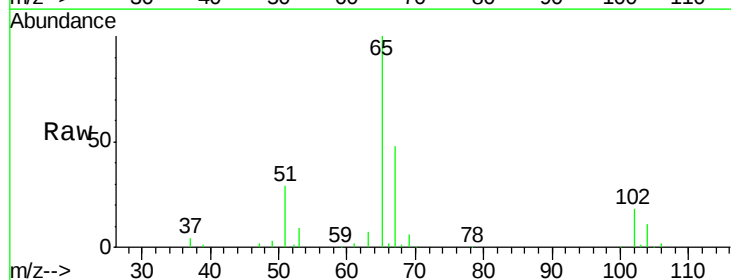
Acq: 20 Dec 2018 05:31

Tgt Ion: 65 Resp: 46728

Ion Ratio Lower Upper

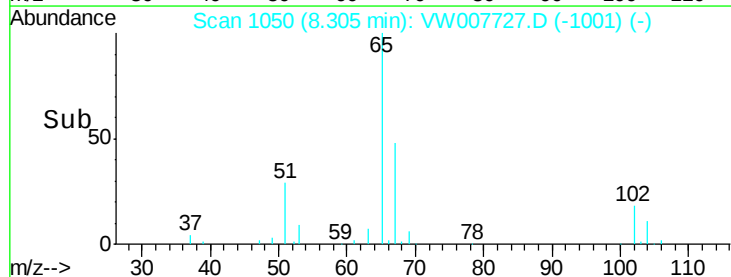
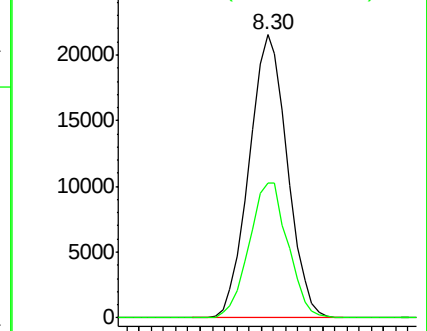
65 100

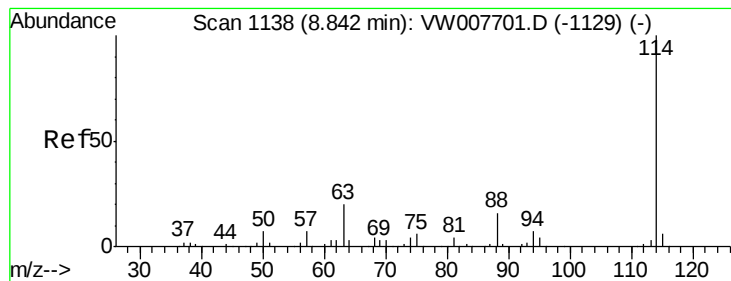
67 48.4 0.0 100.6



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: VW007727.D

Acq: 20 Dec 2018 05:31

Instrument :

MSVOA_W

ClientSampled :

P-2RE

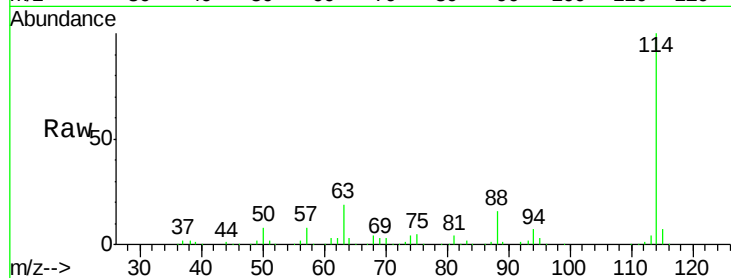
Tgt Ion:114 Resp: 156982

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

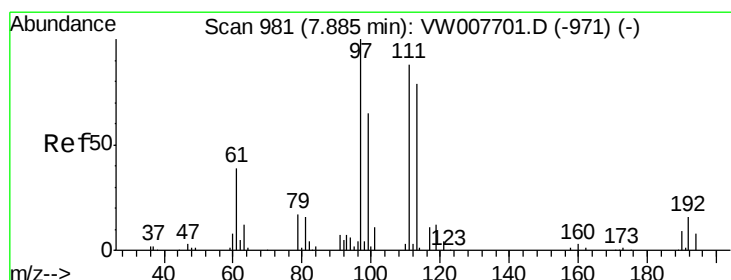
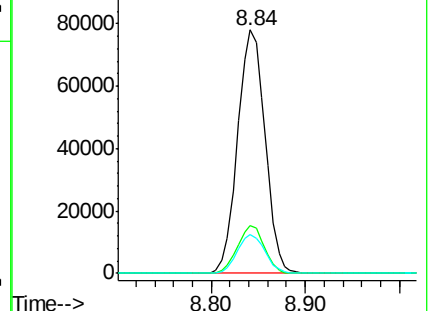
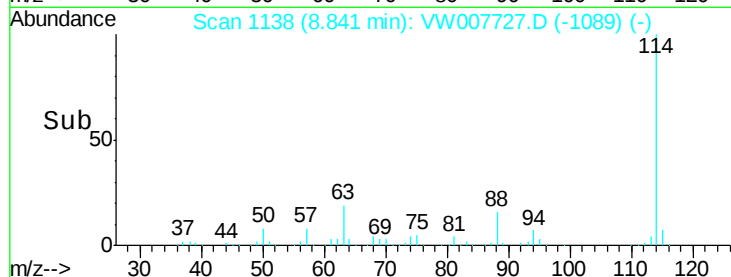
88 15.9 0.0 32.6



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: 46.310 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007727.D

Acq: 20 Dec 2018 05:31

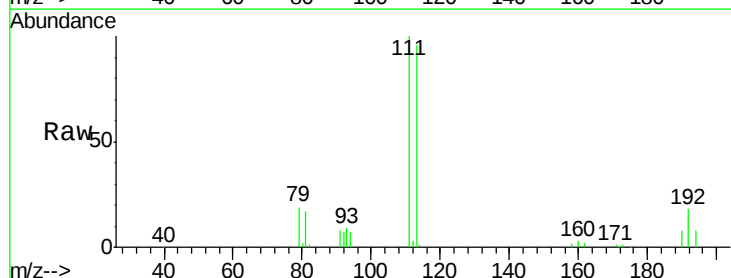
Tgt Ion:113 Resp: 44350

Ion Ratio Lower Upper

113 100

111 101.0 82.6 124.0

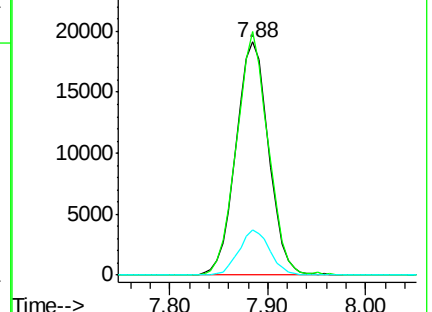
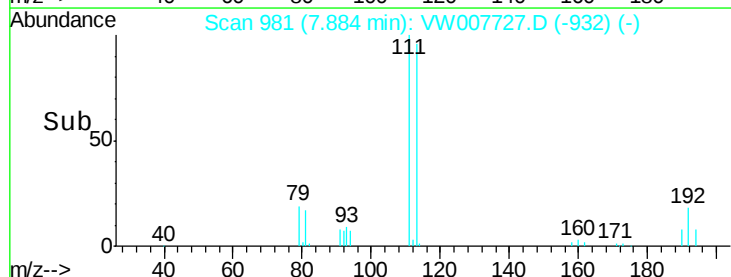
192 18.5 15.5 23.3

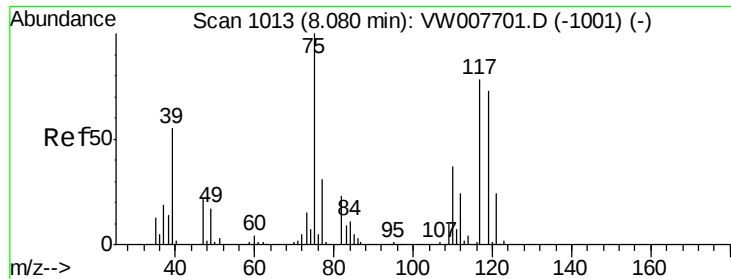


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

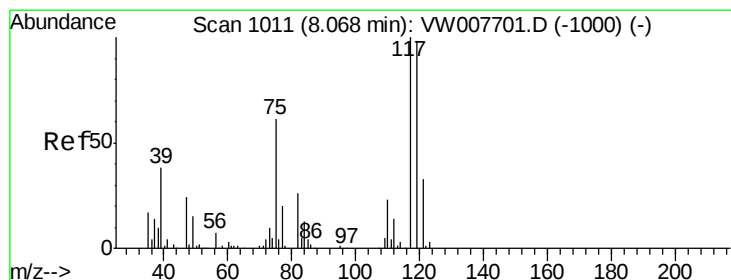
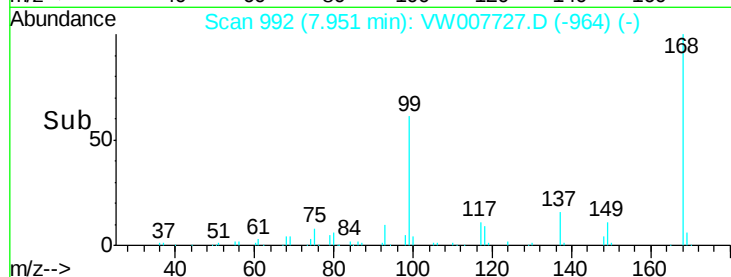
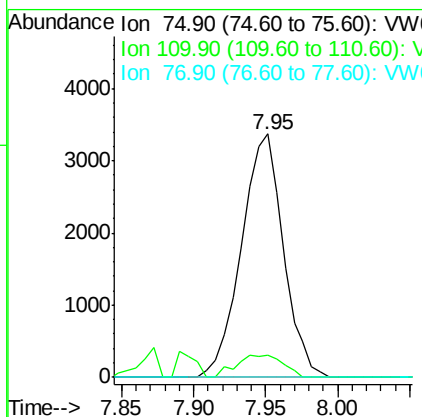
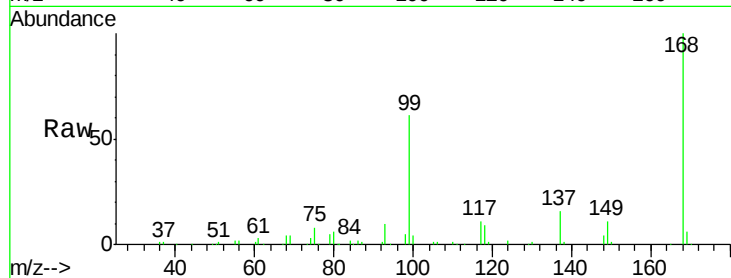




#36
 1,1-Dichloropropene
 Concen: 4.485 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007727.D
 Acq: 20 Dec 2018 05:31

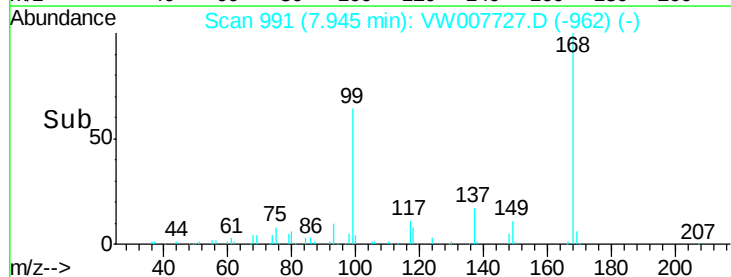
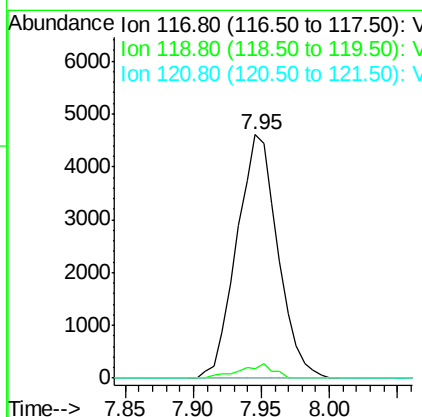
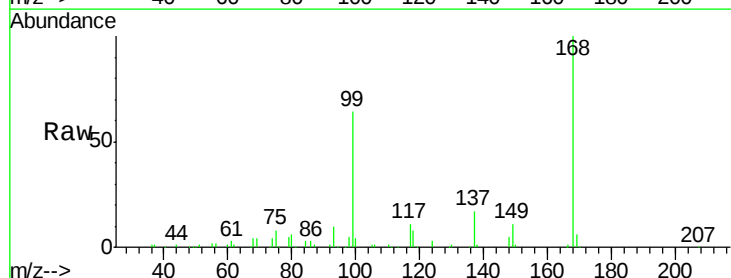
Instrument :
 MSVOA_W
 ClientSampleId :
 P-2RE

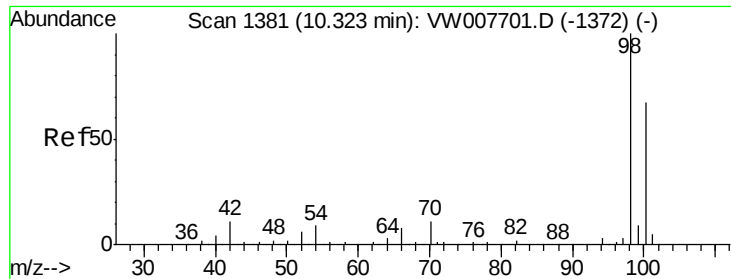
Tgt Ion: 75 Resp: 6795
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.6 55.8#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.438 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW007727.D
 Acq: 20 Dec 2018 05:31

Tgt Ion: 117 Resp: 9704
 Ion Ratio Lower Upper
 117 100
 119 3.8 78.2 117.2#
 121 0.0 26.1 39.1#





#50

Toluene-d8

Concen: 30.524 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007727.D

Acq: 20 Dec 2018 05:31

Instrument :

MSVOA_W

ClientSampled :

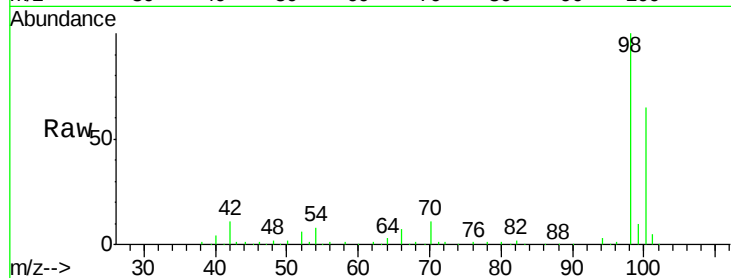
P-2RE

Tgt Ion: 98 Resp: 110199

Ion Ratio Lower Upper

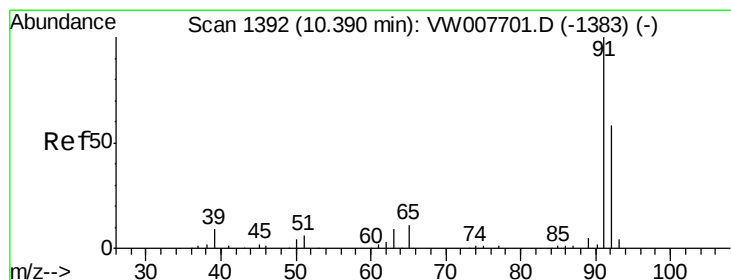
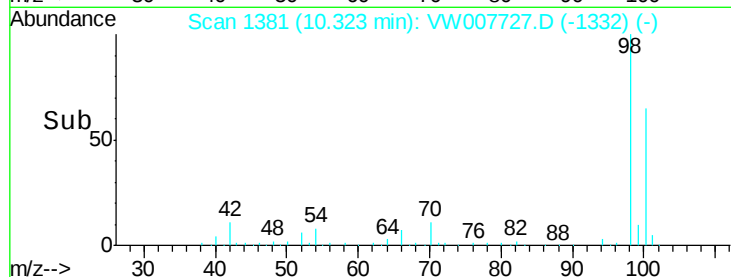
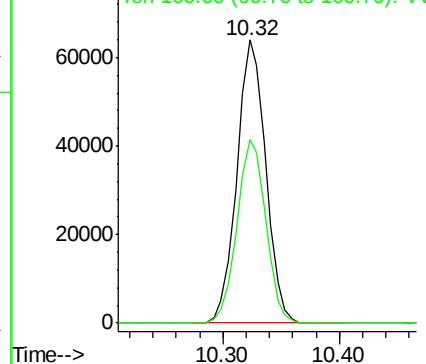
98 100

100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 1.293 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007727.D

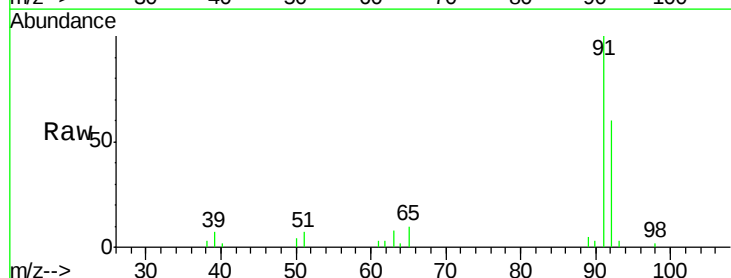
Acq: 20 Dec 2018 05:31

Tgt Ion: 92 Resp: 3507

Ion Ratio Lower Upper

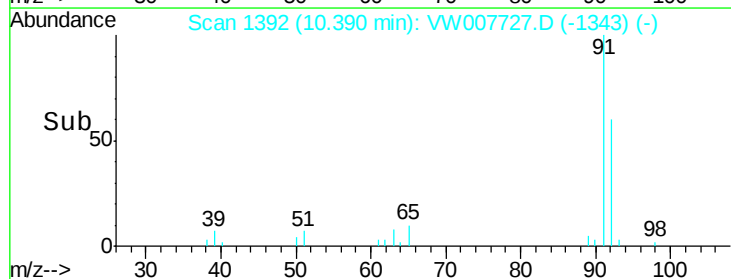
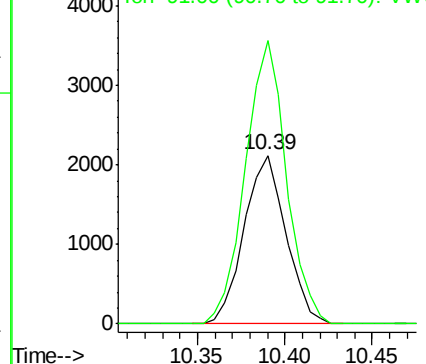
92 100

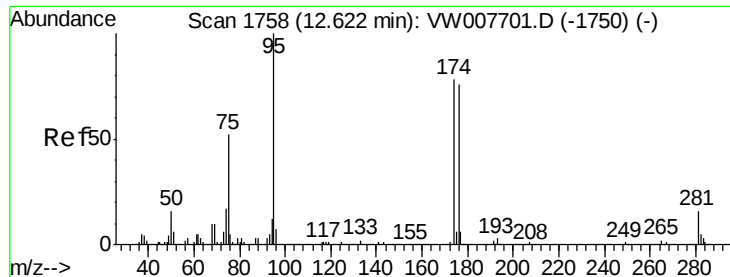
91 165.4 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#62

4-Bromofluorobenzene

Concen: 40.048 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007727.D

Acq: 20 Dec 2018 05:31

Instrument :

MSVOA_W

ClientSampleId :

P-2RE

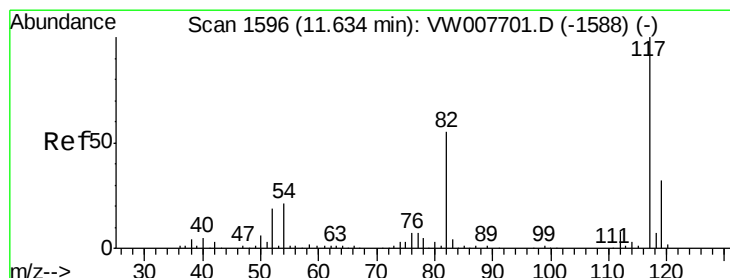
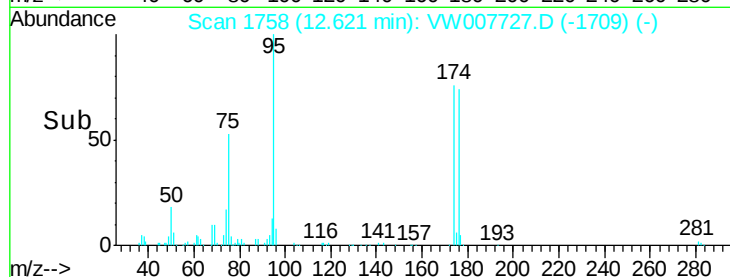
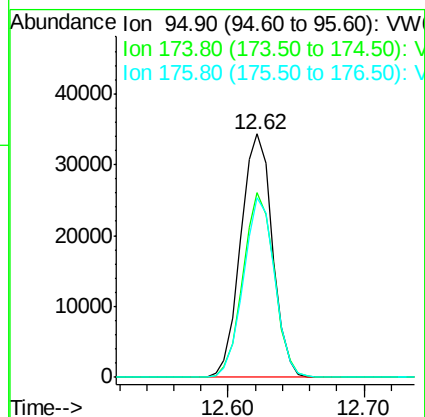
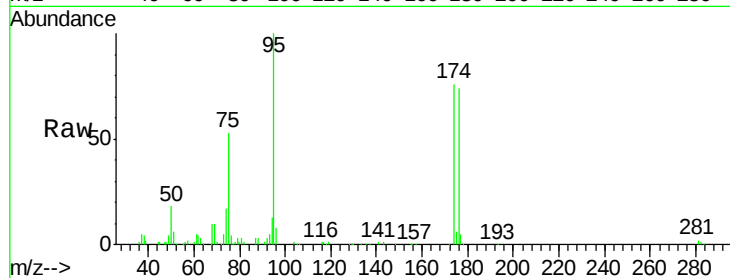
Tgt Ion: 95 Resp: 55856

Ion Ratio Lower Upper

95 100

174 75.1 0.0 152.2

176 72.6 0.0 146.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007727.D

Acq: 20 Dec 2018 05:31

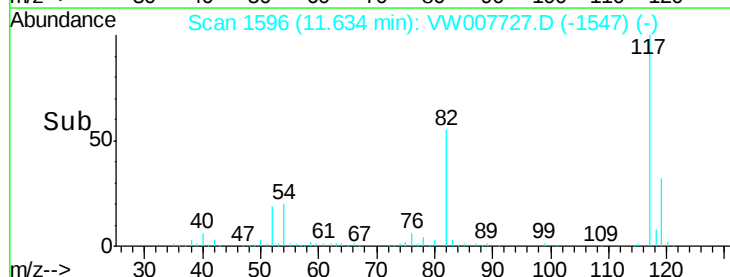
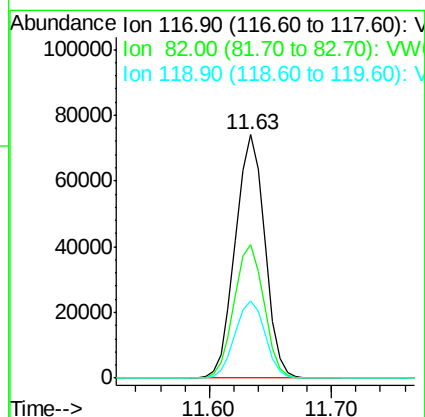
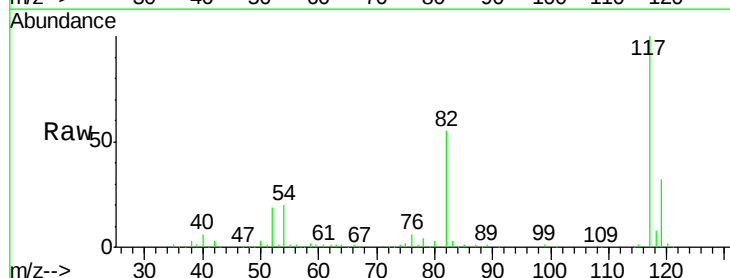
Tgt Ion: 117 Resp: 123423

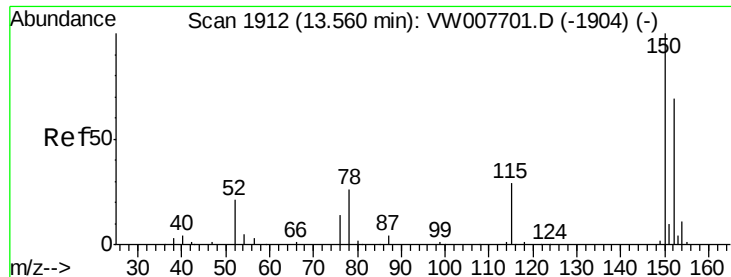
Ion Ratio Lower Upper

117 100

82 54.9 44.3 66.5

119 31.9 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007727.D

Acq: 20 Dec 2018 05:31

Instrument :

MSVOA_W

ClientSampleId :

P-2RE

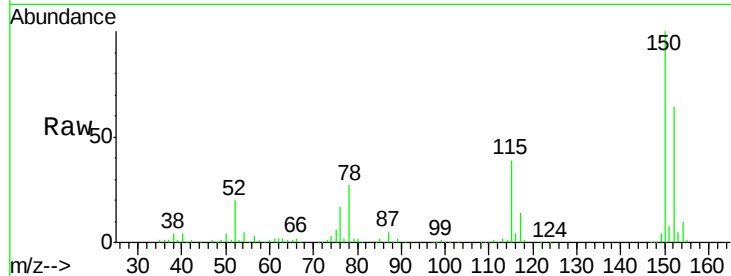
Tgt Ion:152 Resp: 60125

Ion Ratio Lower Upper

152 100

115 62.8 31.8 95.4

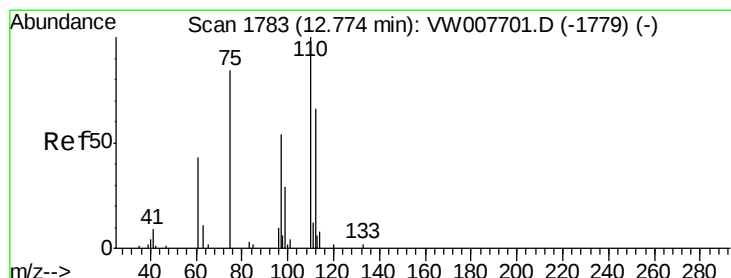
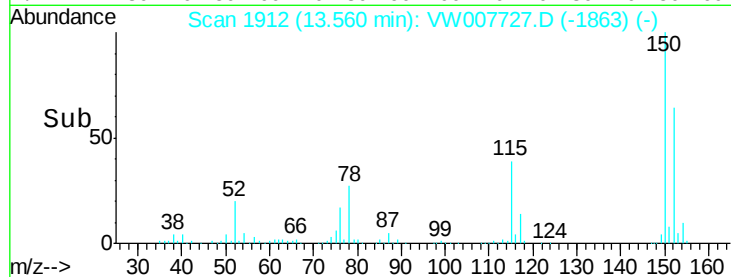
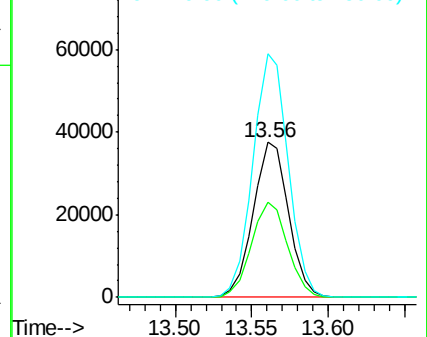
150 157.8 0.0 350.8



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: 61.565 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007727.D

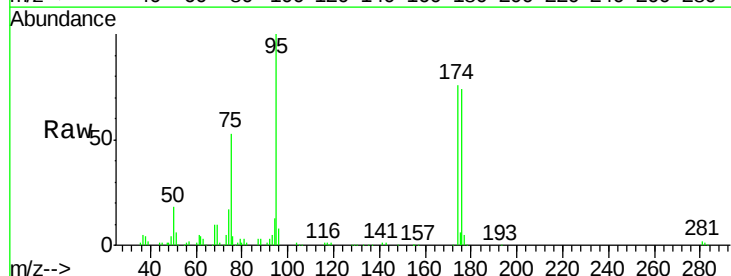
Acq: 20 Dec 2018 05:31

Tgt Ion: 75 Resp: 28610

Ion Ratio Lower Upper

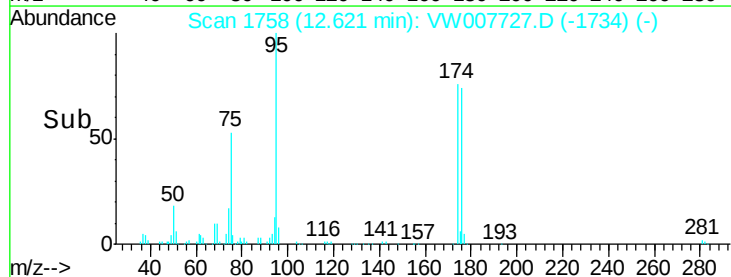
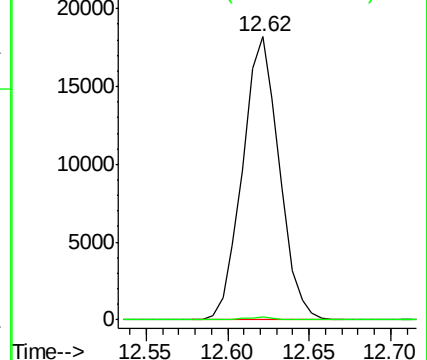
75 100

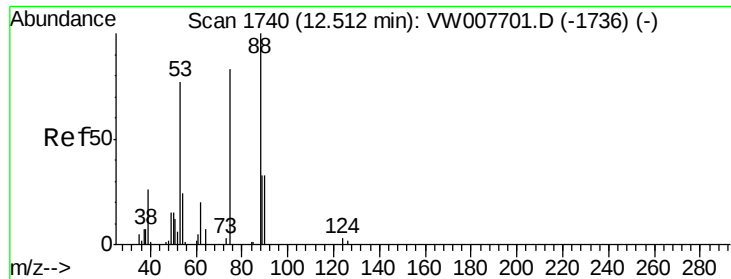
77 0.8 0.0 0.0#



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: 129.230 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007727.D

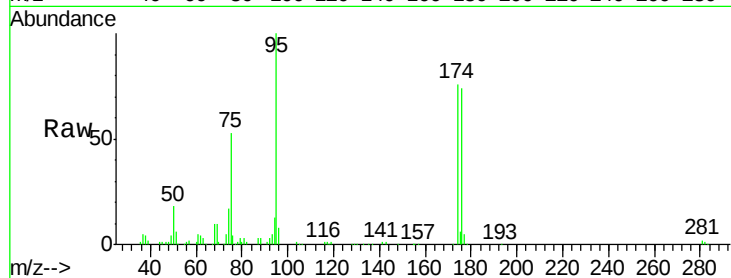
Acq: 20 Dec 2018 05:31

Instrument :

MSVOA_W

ClientSampleId :

P-2RE



Tgt Ion:	75	Resp:	28610
Ion	Ratio	Lower	Upper
75	100		
53	0.0	80.2	120.2#
89	0.0	39.2	58.8#

