

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122018\
 Data File : VW007692.D
 Acq On : 19 Dec 2018 08:00
 Operator : SY/AP
 Sample : J6386-15
 Misc : 5.83G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 10:00:25 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	63143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	108559	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	84709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	28714	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	31706	45.26	ug/l	0.00
Spiked Amount			Recovery	=	90.52%	
35) Dibromofluoromethane	7.88	113	27581	41.97	ug/l	0.00
Spiked Amount			Recovery	=	83.94%	
50) Toluene-d8	10.32	98	86931	35.28	ug/l	0.00
Spiked Amount			Recovery	=	70.56%	
62) 4-Bromofluorobenzene	12.62	95	26262	28.99	ug/l	0.00
Spiked Amount			Recovery	=	57.98%	

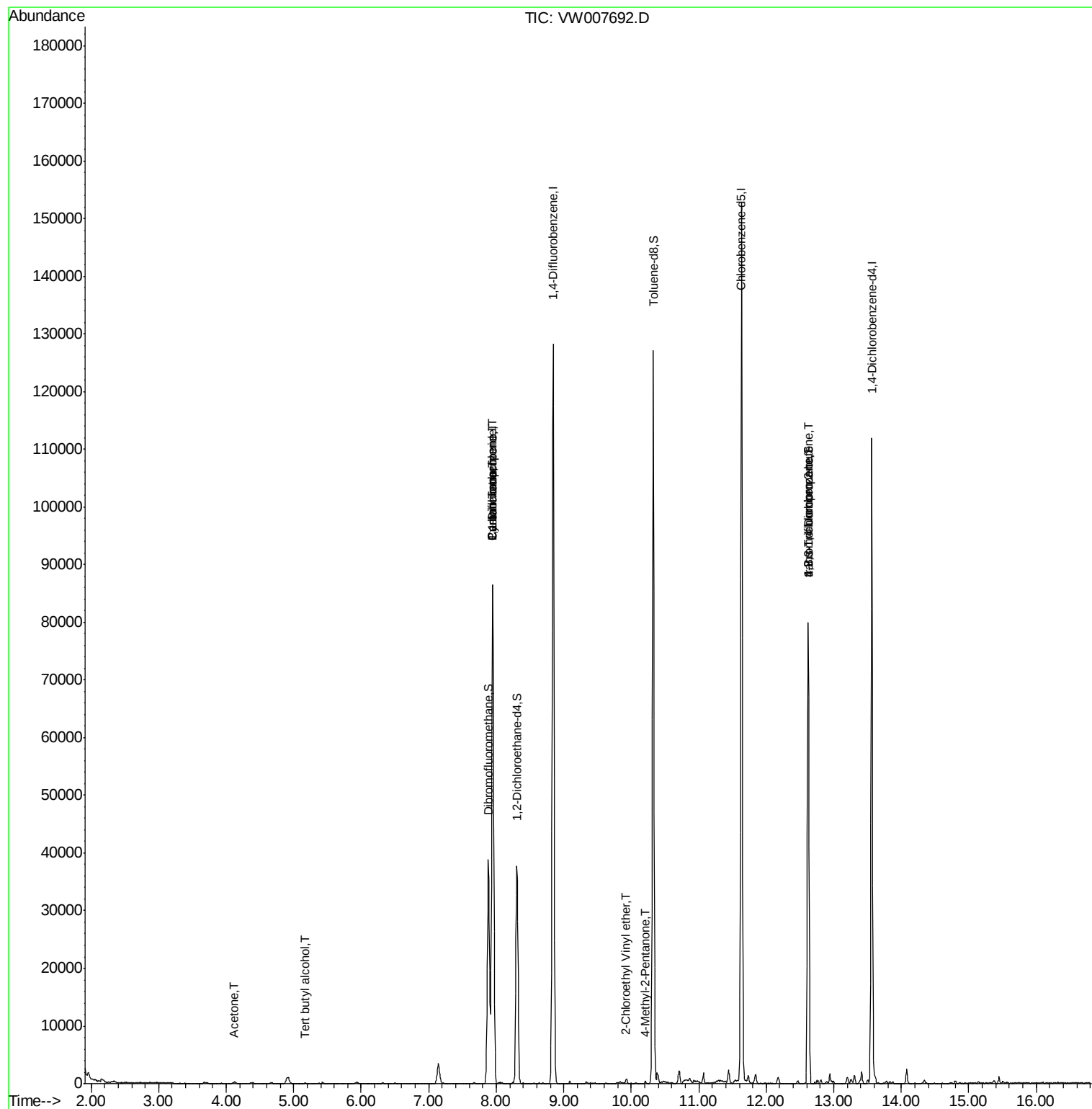
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	68	1.413	ug/l #	74
16) Acetone	4.12	43	314	2.566	ug/l #	83
20) Methylene Chloride	4.92	84	1067	Below Cal	#	84
31) Cyclohexane	7.95	56	1571	1.444	ug/l #	46
36) 1,1-Dichloropropene	7.95	75	4986	5.035	ug/l #	49
38) Carbon Tetrachloride	7.95	117	7126	6.613	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	426	1.239	ug/l #	58
58) 2-Chloroethyl Vinyl ether	9.93	63	458	1.681	ug/l	89
76) 1,2,3-Trichloropropane	12.62	75	13671	57.743	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	13671	127.555	ug/l #	7

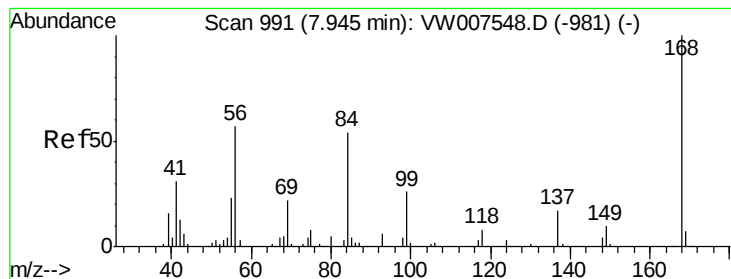
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007692.D

Acq: 19 Dec 2018 08:00

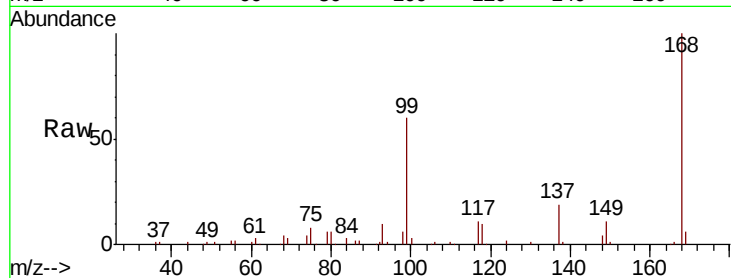
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 63143

Ion Ratio Lower Upper

168 100

99 60.3 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

30000

25000

20000

15000

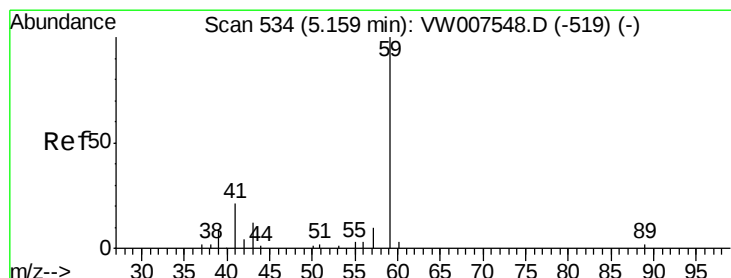
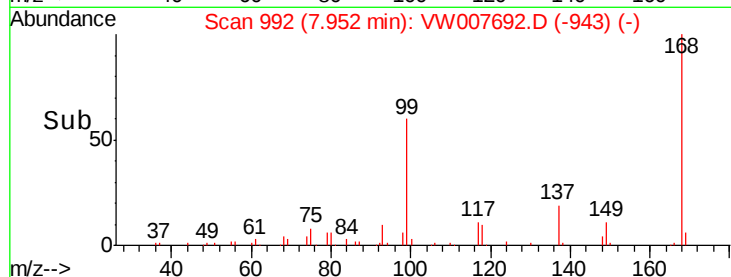
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 1.413 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.00 min

Lab File: VW007692.D

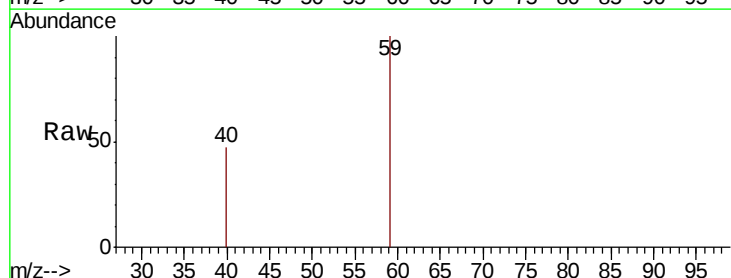
Acq: 19 Dec 2018 08:00

Tgt Ion: 59 Resp: 68

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

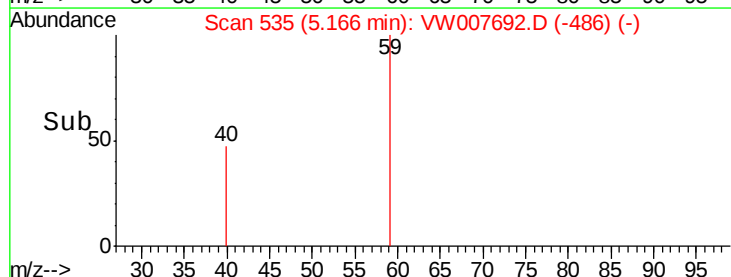
100

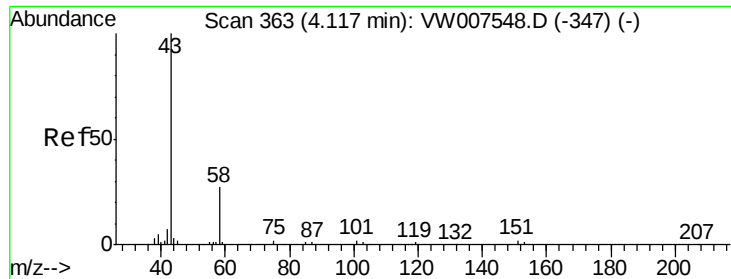
50

0

5.14 5.15 5.16 5.17 5.18

Time-->





#16

Acetone

Concen: 2.566 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007692.D

Acq: 19 Dec 2018 08:00

Instrument :

MSVOA_W

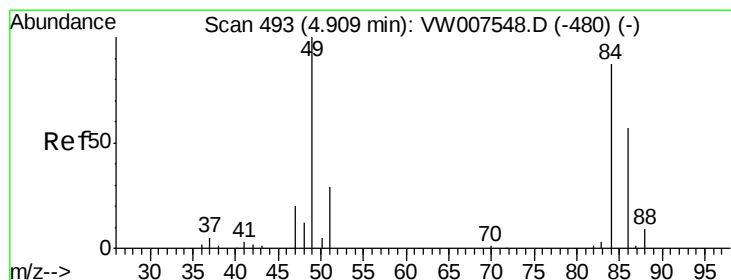
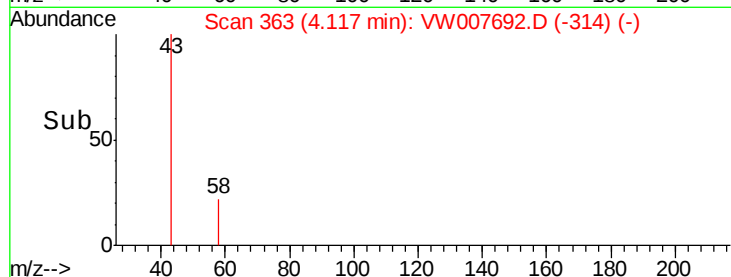
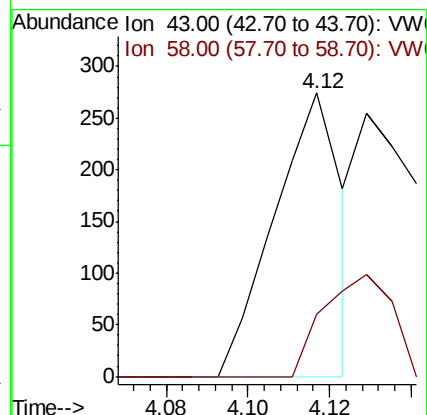
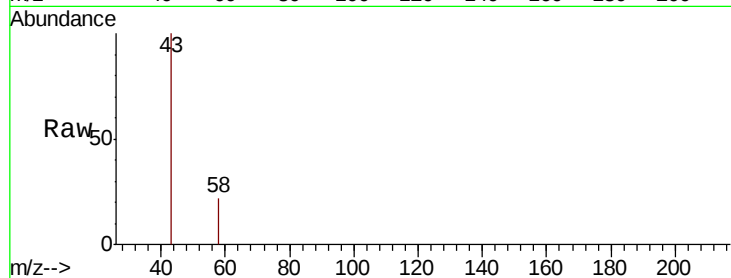
ClientSampleId :

Tot Ion: 43 Resp: 314

Ion Ratio Lower Upper

43 100

58 21.9 24.9 37.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.02 min

Lab File: VW007692.D

Acq: 19 Dec 2018 08:00

Tgt Ion: 84 Resp: 1067

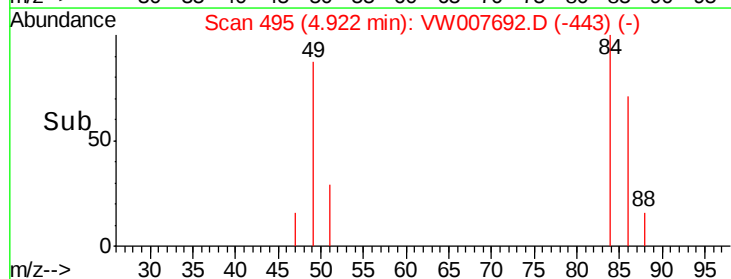
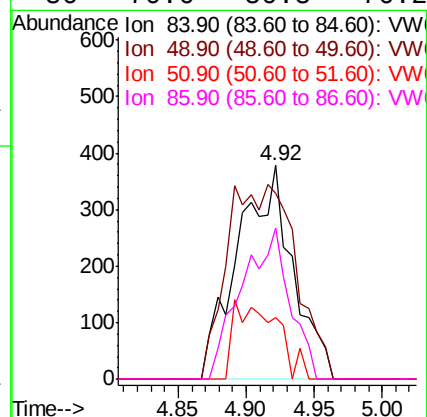
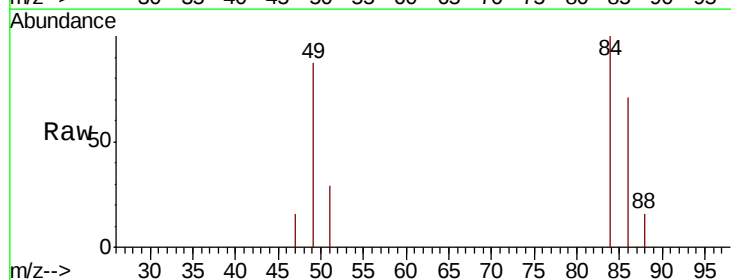
Ion Ratio Lower Upper

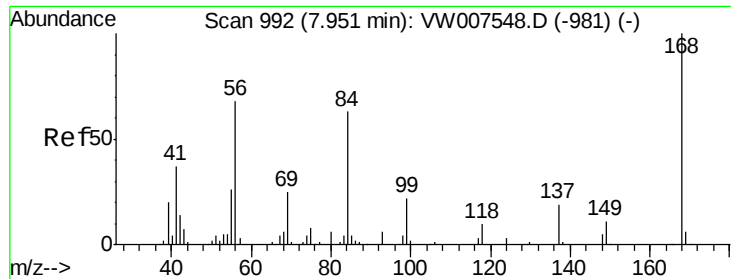
84 100

49 87.0 87.1 130.7#

51 28.6 28.2 42.2

86 70.6 50.8 76.2

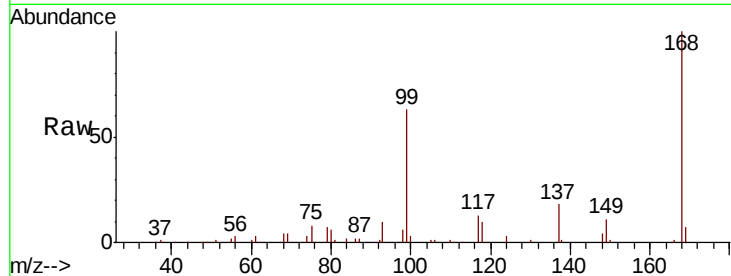




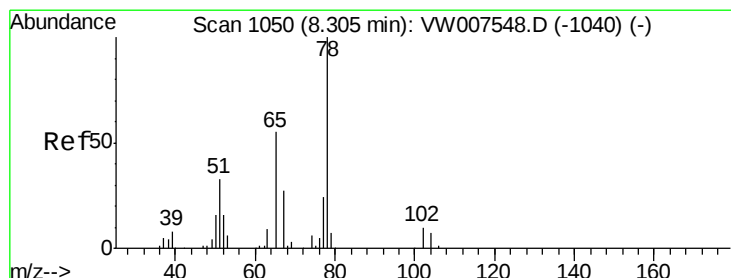
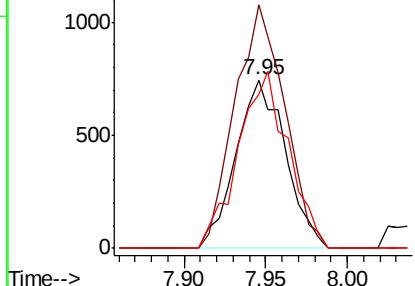
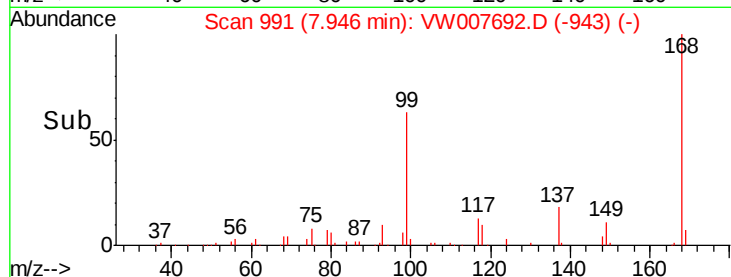
#31
Cyclohexane
Concen: 1.444 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007692.D
Acq: 19 Dec 2018 08:00

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 1571
Ion Ratio Lower Upper
56 100
69 144.8 28.9 43.3#
84 91.7 71.8 107.6

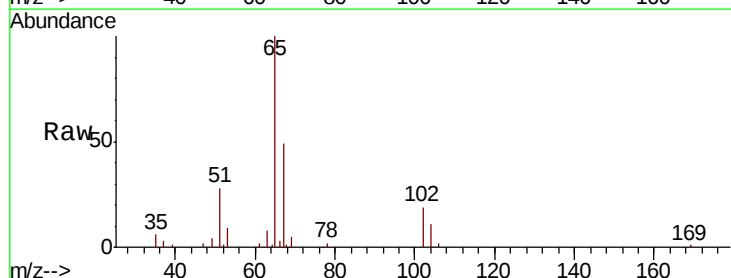


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

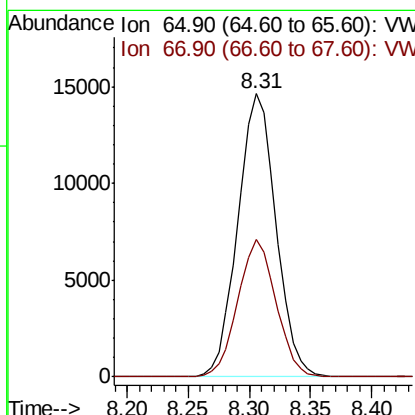
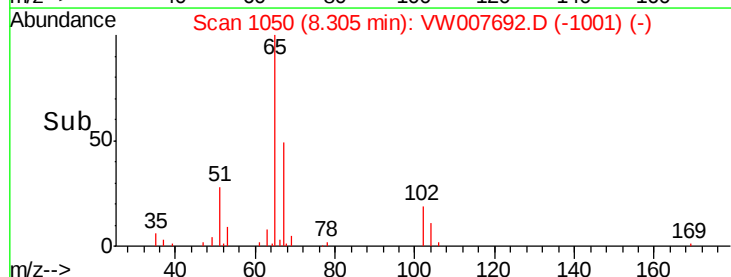


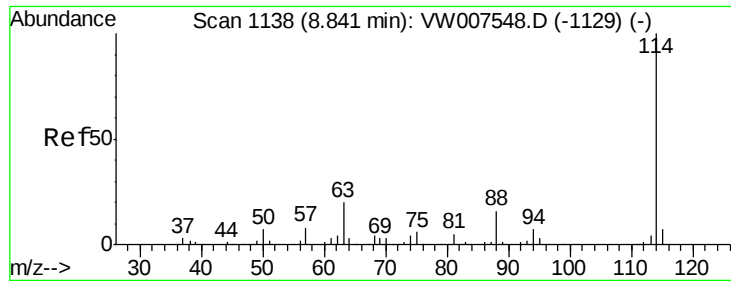
#33
1,2-Dichloroethane-d4
Concen: 45.261 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW007692.D
Acq: 19 Dec 2018 08:00

Tgt Ion: 65 Resp: 31706
Ion Ratio Lower Upper
65 100
67 48.4 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

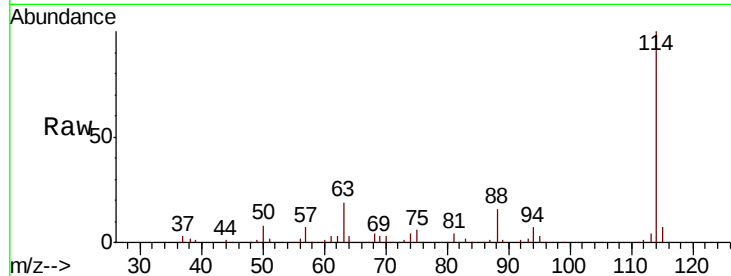




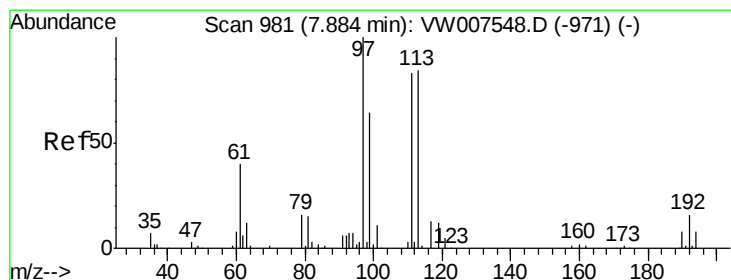
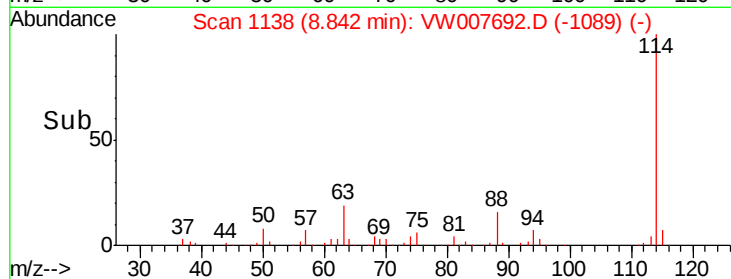
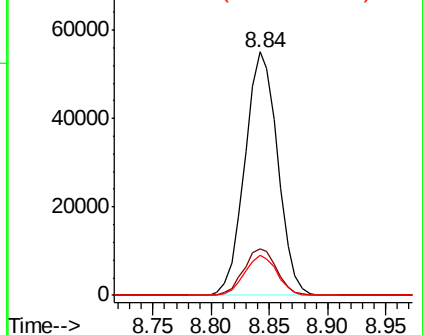
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007692.D
 Acq: 19 Dec 2018 08:00

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.6
88	16.4	0.0	31.4

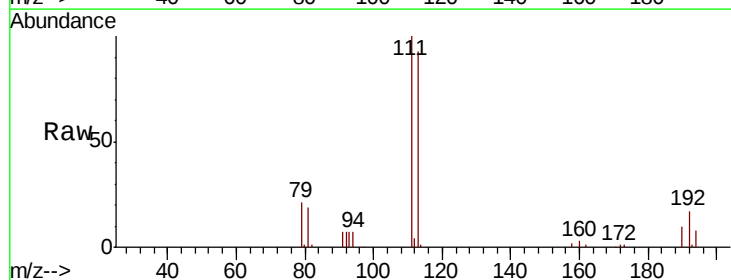


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

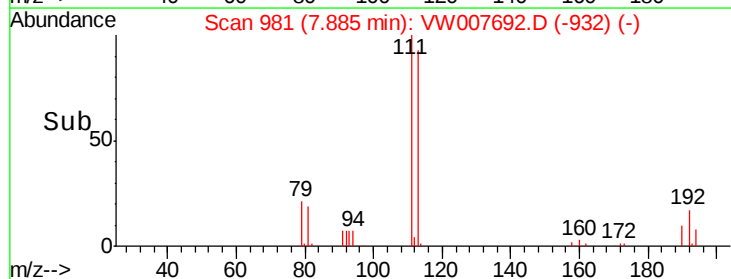
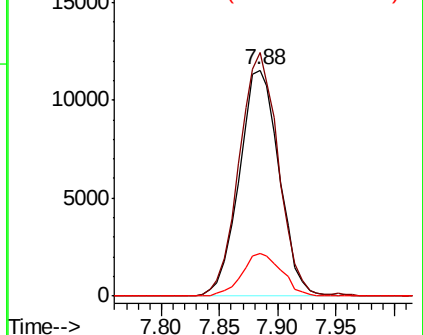


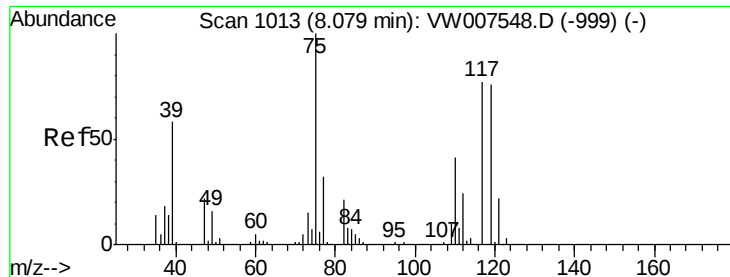
#35
 Dibromofluoromethane
 Concen: 41.971 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007692.D
 Acq: 19 Dec 2018 08:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.9	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: 5.035 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007692.D

Acq: 19 Dec 2018 08:00

Instrument :

MSVOA_W

ClientSampleId :

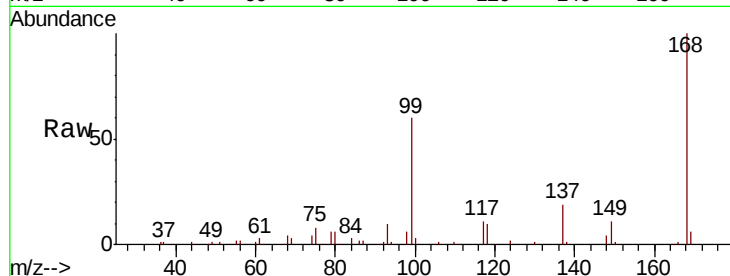
Tot Ion: 75 Resp: 4986

Ion Ratio Lower Upper

75 100

110 10.3 18.5 55.5#

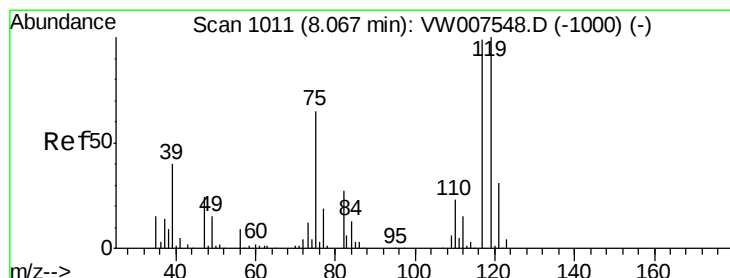
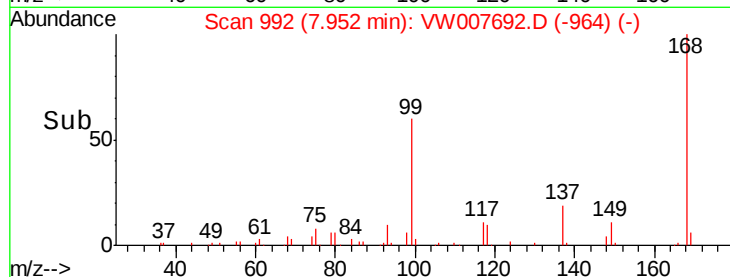
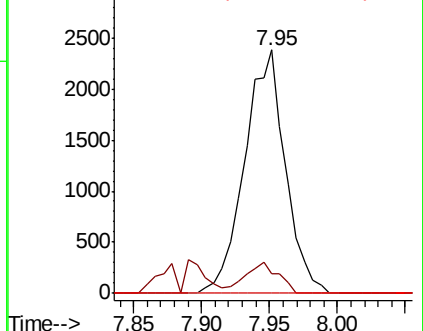
77 0.0 25.6 38.4#



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



#38

Carbon Tetrachloride

Concen: 6.613 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007692.D

Acq: 19 Dec 2018 08:00

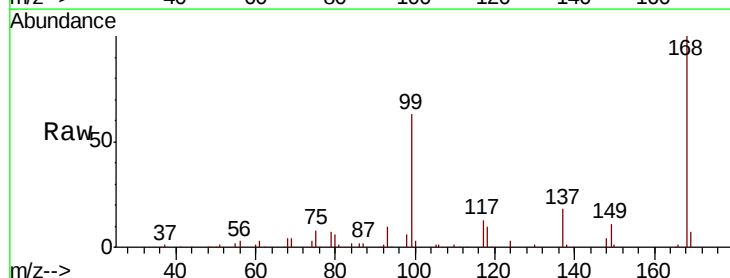
Tgt Ion: 117 Resp: 7126

Ion Ratio Lower Upper

117 100

119 3.7 74.3 111.5#

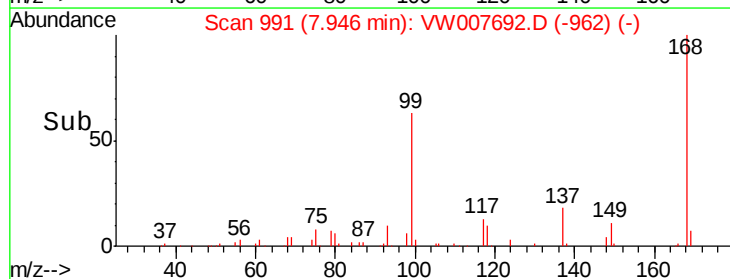
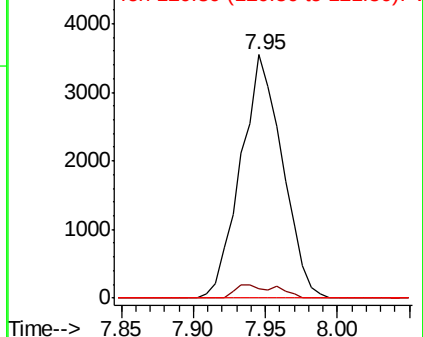
121 0.0 24.3 36.5#

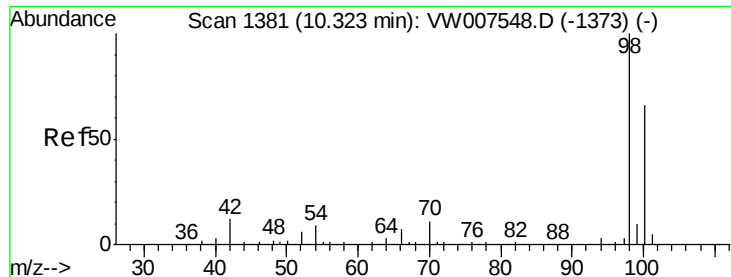


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 35.281 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007692.D

Acq: 19 Dec 2018 08:00

Instrument :

MSVOA_W

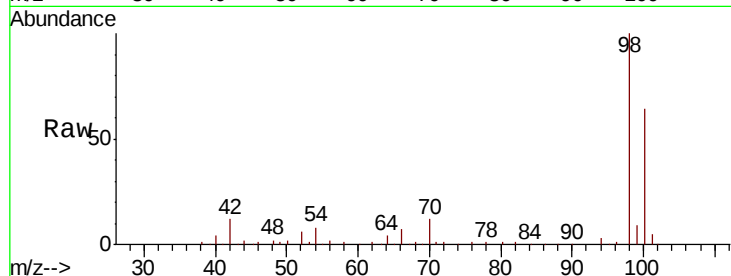
ClientSampled :

Tot Ion: 98 Resp: 86931

Ion Ratio Lower Upper

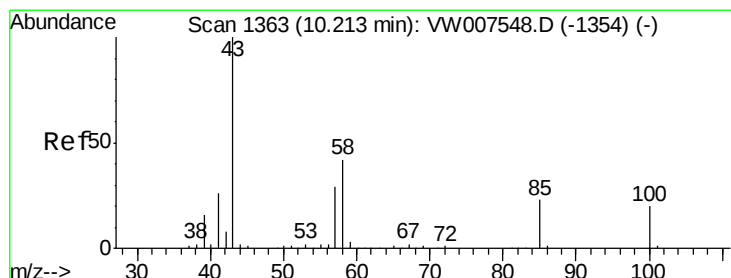
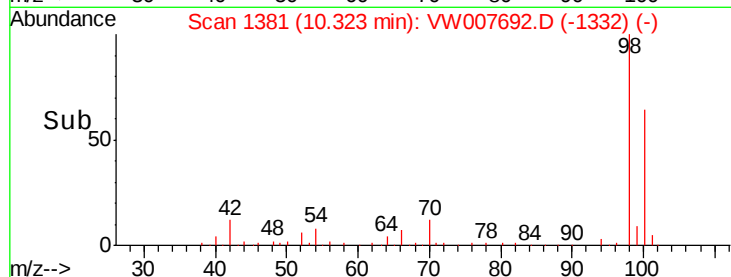
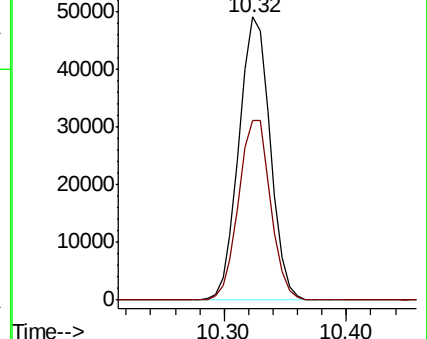
98 100

100 65.1 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: 1.239 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW007692.D

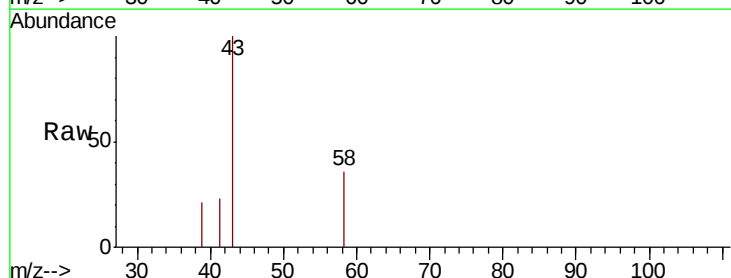
Acq: 19 Dec 2018 08:00

Tgt Ion: 43 Resp: 426

Ion Ratio Lower Upper

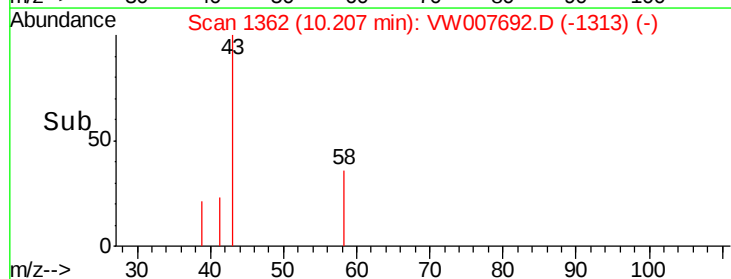
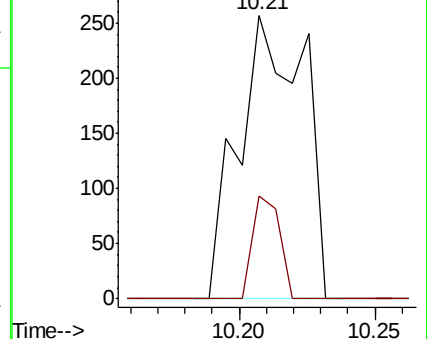
43 100

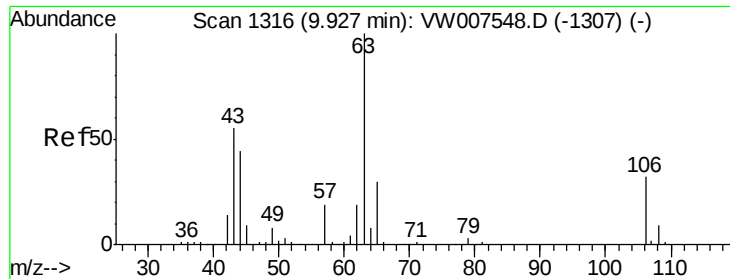
58 15.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

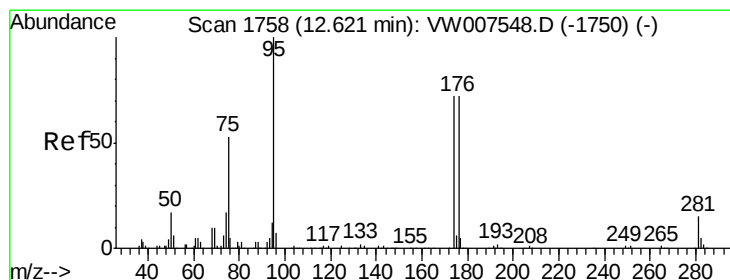
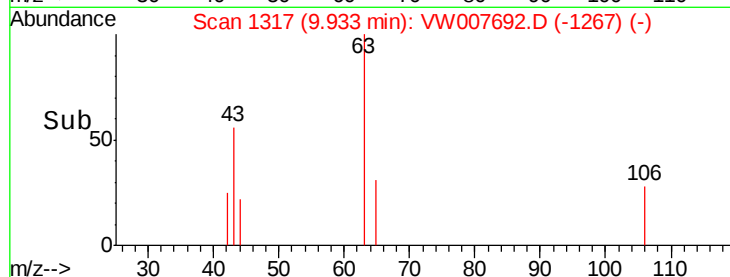
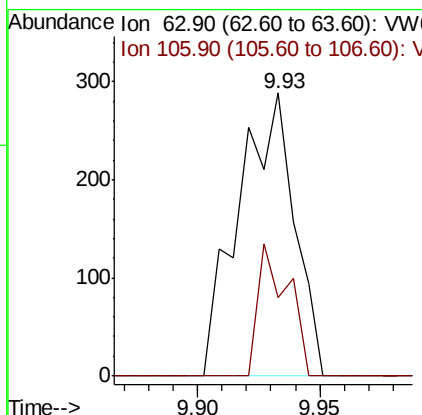
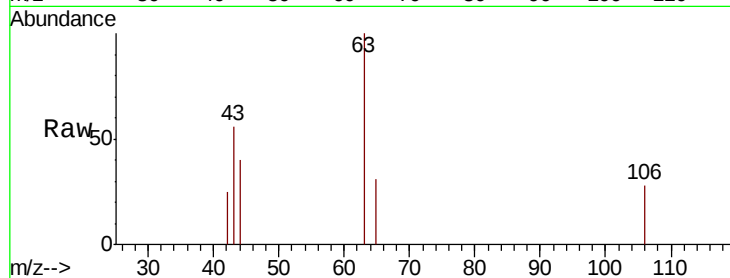




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.681 ug/l
 RT: 9.93 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VW007692.D
 Acq: 19 Dec 2018 08:00

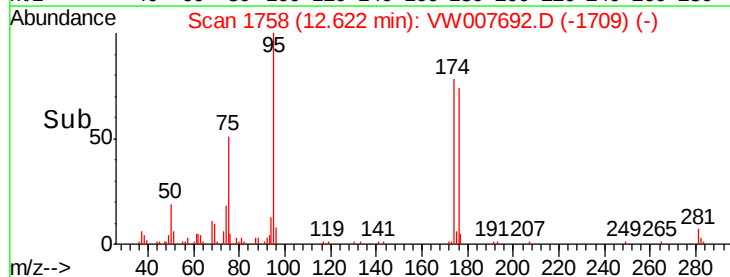
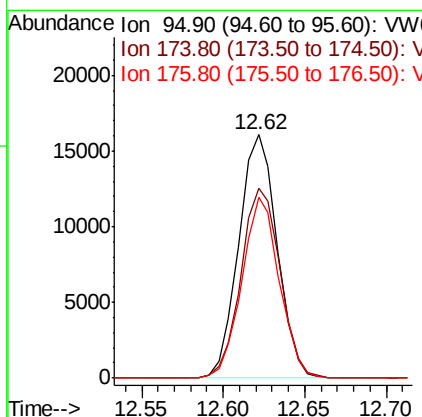
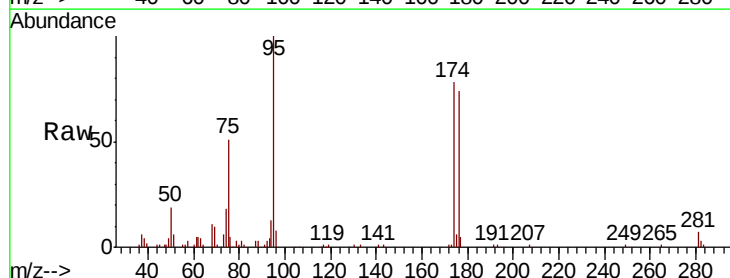
Instrument :
 MSVOA_W
 ClientSampled :

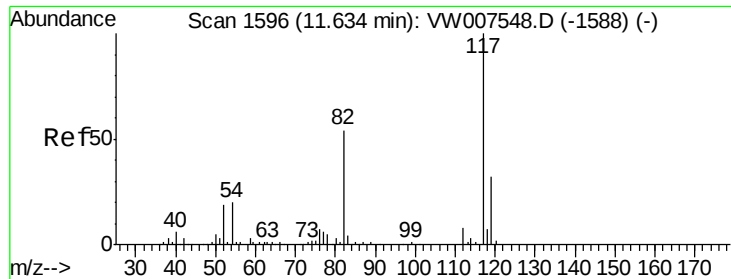
Tot Ion: 63 Resp: 458
 Ion Ratio Lower Upper
 63 100
 106 25.1 25.0 37.6



#62
 4-Bromofluorobenzene
 Concen: 28.989 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007692.D
 Acq: 19 Dec 2018 08:00

Tgt Ion: 95 Resp: 26262
 Ion Ratio Lower Upper
 95 100
 174 79.8 0.0 147.2
 176 72.9 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: VW007692.D

Acq: 19 Dec 2018 08:00

Instrument :

MSVOA_W

ClientSampled :

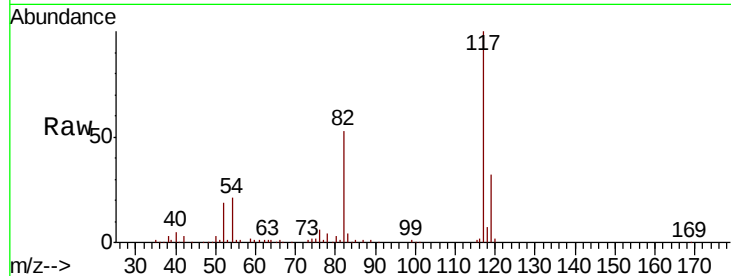
Tot Ion:117 Resp: 84709

Ion Ratio Lower Upper

117 100

82 52.6 42.3 63.5

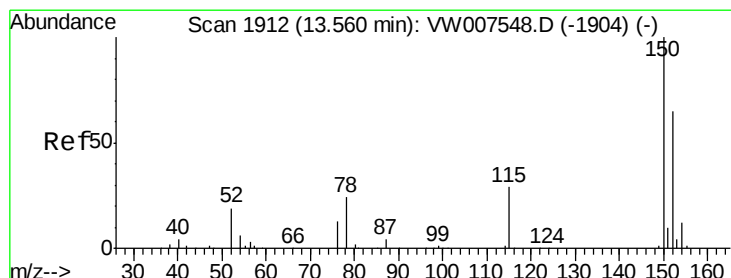
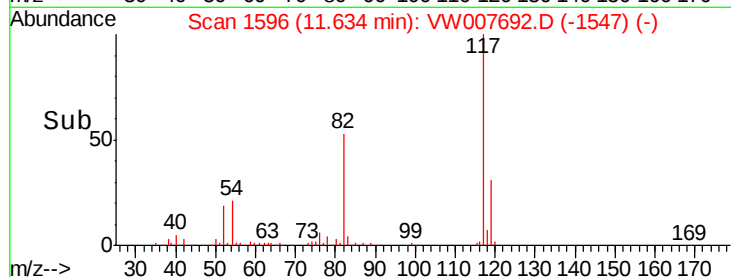
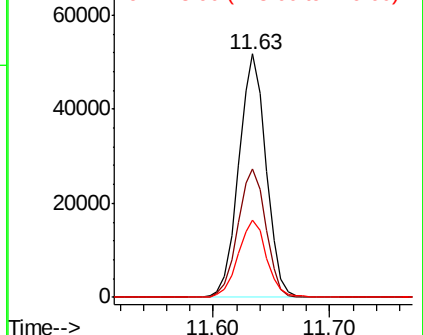
119 31.4 23.0 34.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VW007692.D

Acq: 19 Dec 2018 08:00

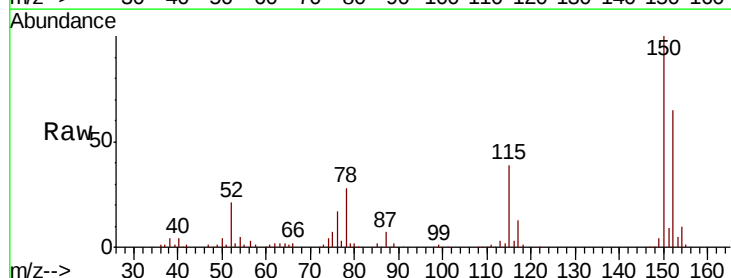
Tgt Ion:152 Resp: 28714

Ion Ratio Lower Upper

152 100

115 61.6 31.4 94.2

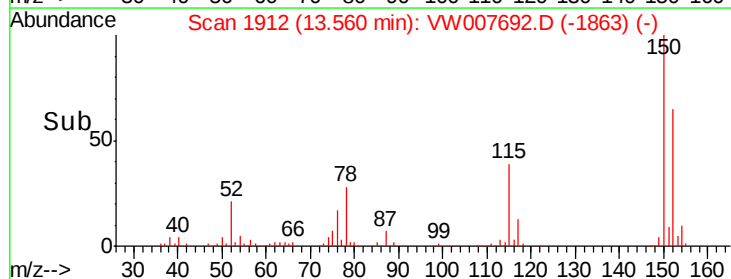
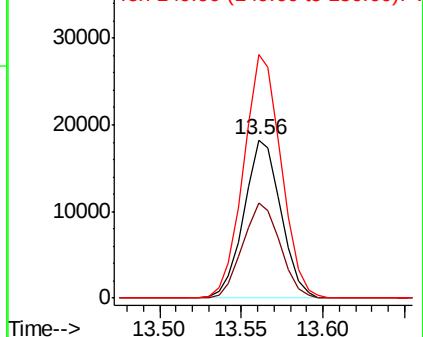
150 156.9 0.0 358.4

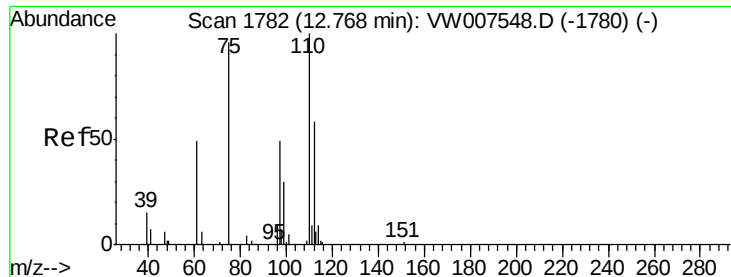


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 57.743 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007692.D

Acq: 19 Dec 2018 08:00

Instrument :

MSVOA_W

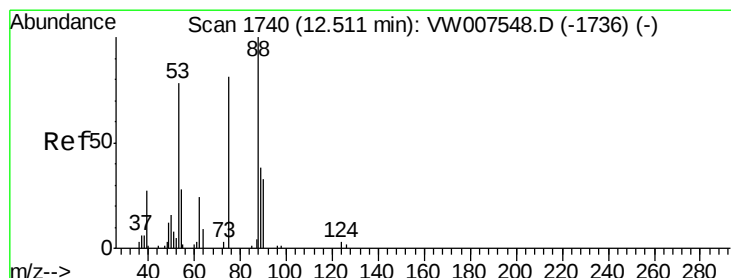
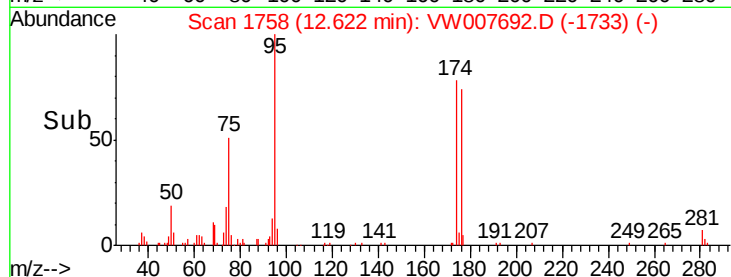
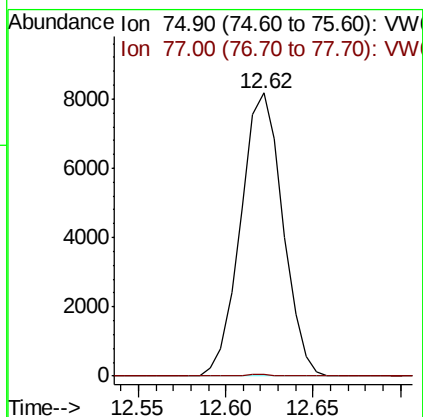
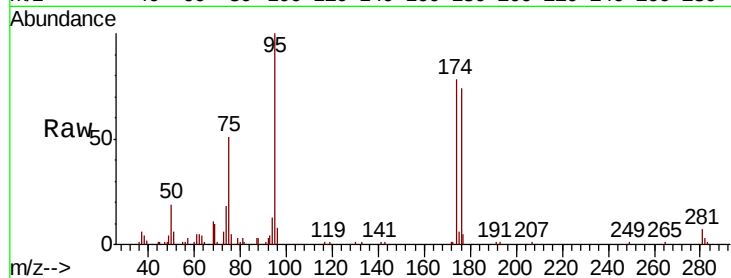
ClientSampleId :

Tot Ion: 75 Resp: 13671

Ion Ratio Lower Upper

75 100

77 0.3 166.9 500.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.555 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007692.D

Acq: 19 Dec 2018 08:00

Tgt Ion: 75 Resp: 13671

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

