

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121718\
 Data File : VW007530.D
 Acq On : 14 Dec 2018 12:58
 Operator : SY/AP
 Sample : J6322-13
 Misc : 7.75G/5ML/MSVOA W/SOIL
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-2A-G-5-120718

Quant Time: Dec 14 13:45:51 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	68354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	111137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	73767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	40344	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	35436	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
35) Dibromofluoromethane	7.88	113	32752	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	10.32	98	52156	20.68	ug/l	0.00
Spiked Amount			Recovery	=	41.36%	
62) 4-Bromofluorobenzene	12.62	95	38019	40.99	ug/l	0.00
Spiked Amount			Recovery	=	81.98%	

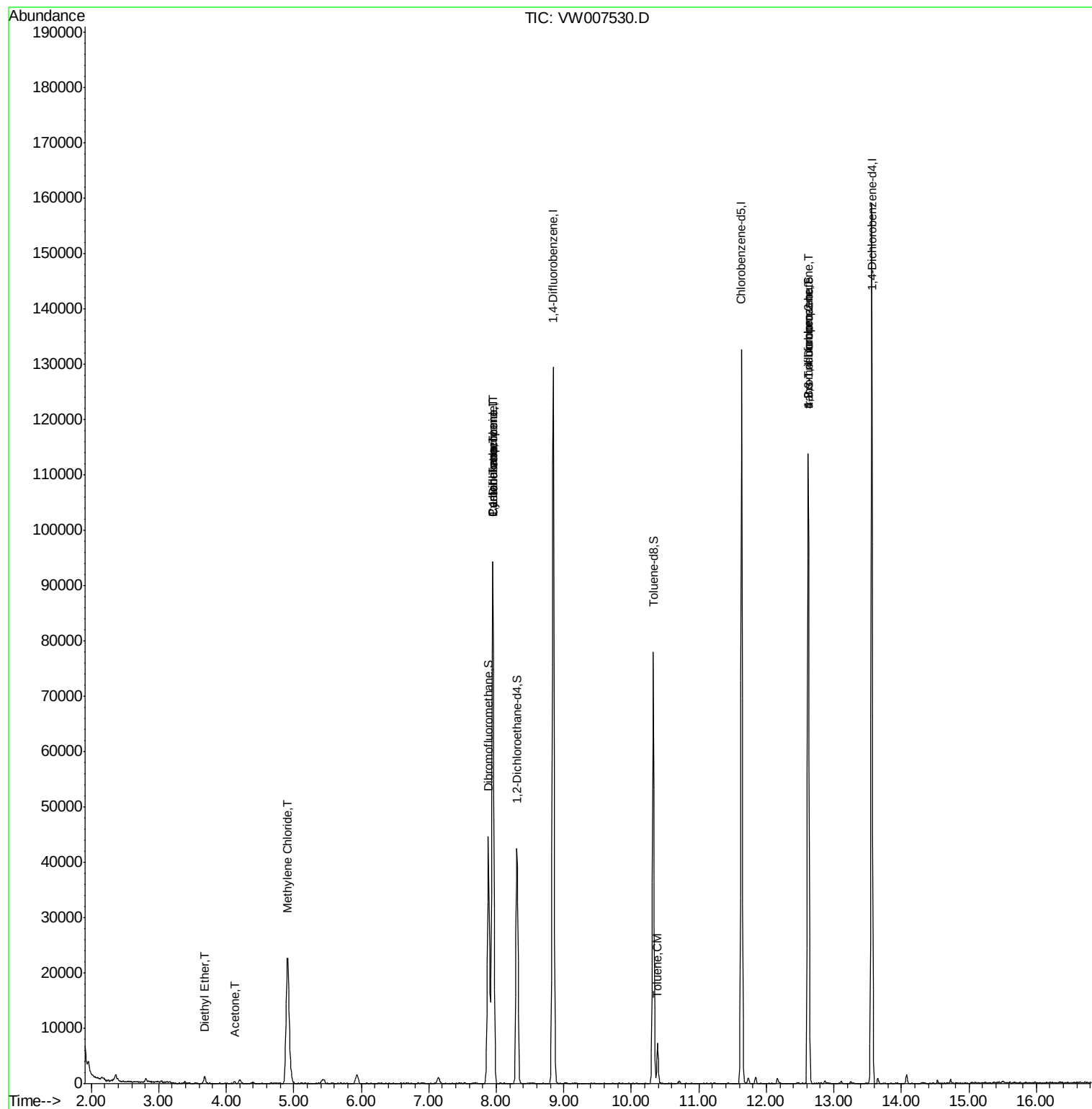
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	554	1.677	ug/l	92
16) Acetone	4.12	43	509	3.843	ug/l	93
20) Methylene Chloride	4.91	84	18520	23.490	ug/l	90
31) Cyclohexane	7.95	56	1524	1.294	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	5061	4.992	ug/l #	49
38) Carbon Tetrachloride	7.95	117	7486	6.786	ug/l #	17
52) Toluene	10.39	92	3249	1.784	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	19396	58.308	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	19396	128.803	ug/l #	7

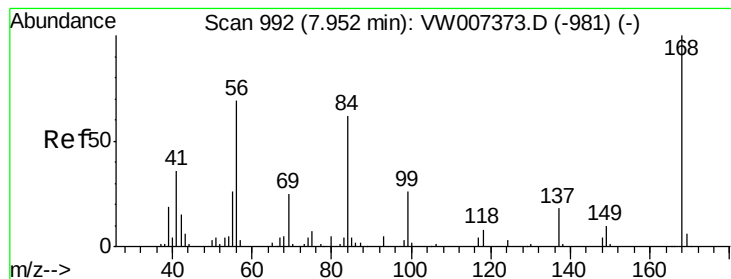
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007530.D

Acq: 14 Dec 2018 12:58

Instrument :

MSVOA_W

ClientSampleId :

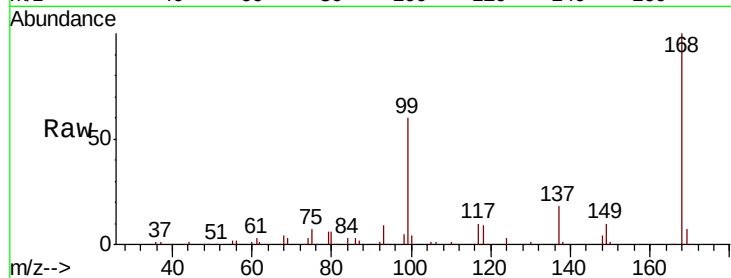
SUP-2A-G-5-120718

Tot Ion:168 Resp: 68354

Ion Ratio Lower Upper

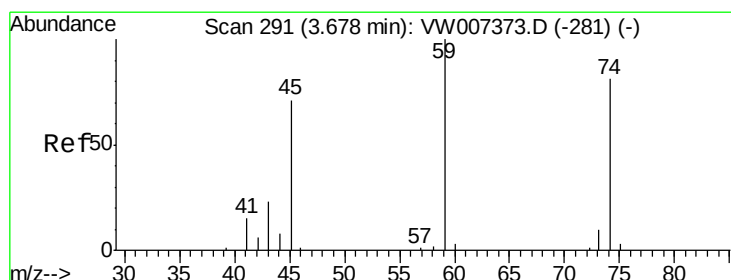
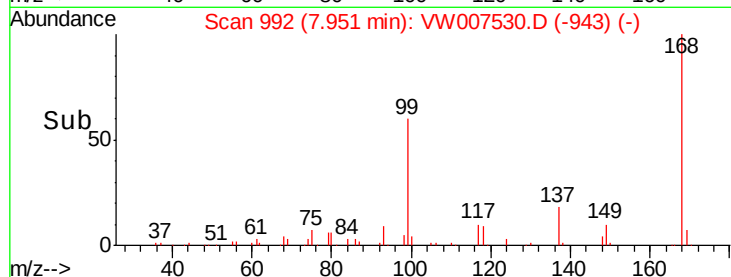
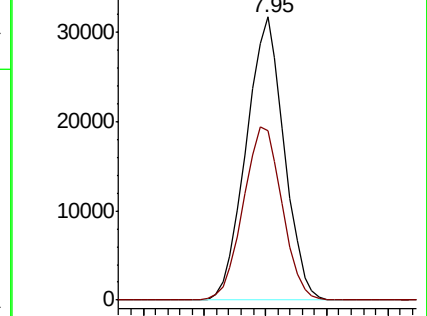
168 100

99 60.0 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.677 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW007530.D

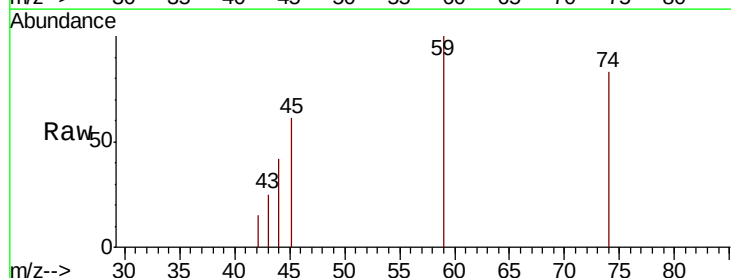
Acq: 14 Dec 2018 12:58

Tgt Ion: 74 Resp: 554

Ion Ratio Lower Upper

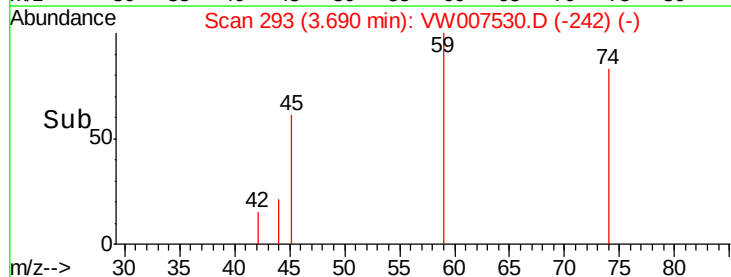
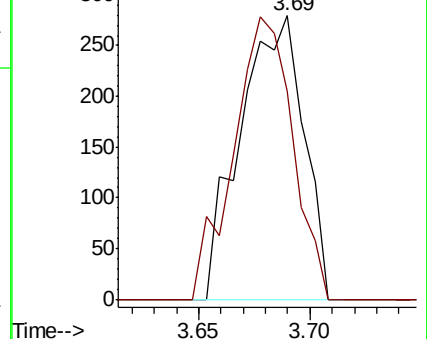
74 100

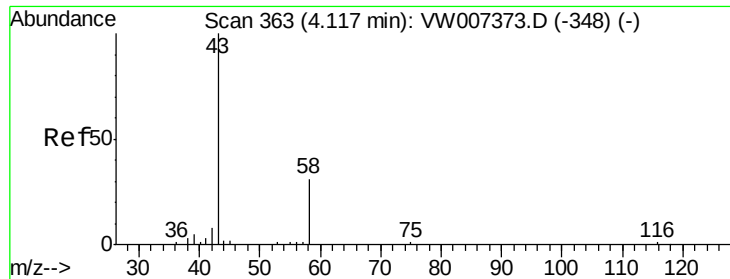
45 93.0 43.0 129.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 3.843 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007530.D

Acq: 14 Dec 2018 12:58

Instrument :

MSVOA_W

ClientSampleId :

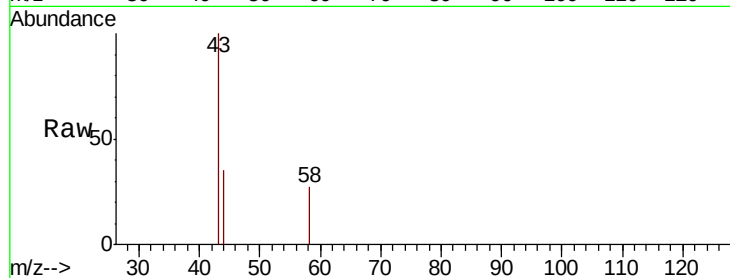
SUP-2A-G-5-120718

Tot Ion: 43 Resp: 509

Ion Ratio Lower Upper

43 100

58 27.2 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

250

200

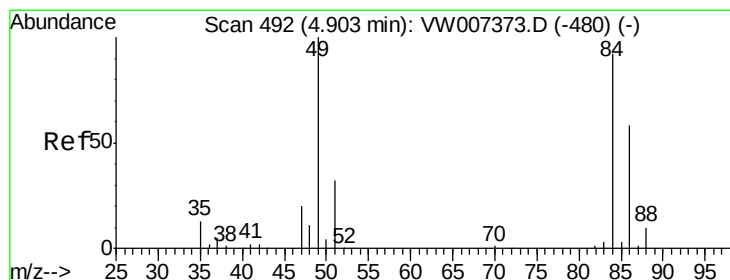
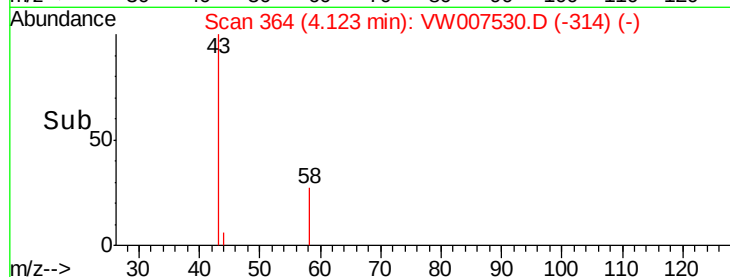
150

100

50

0

Time--> 4.05 4.10 4.15



#20

Methylene Chloride

Concen: 23.490 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007530.D

Acq: 14 Dec 2018 12:58

Tgt Ion: 84 Resp: 18520

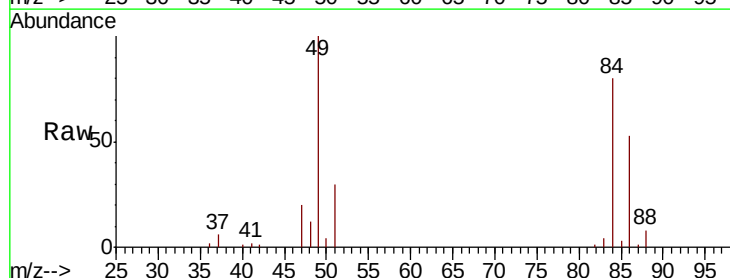
Ion Ratio Lower Upper

84 100

49 124.9 87.1 130.7

51 37.0 28.2 42.2

86 66.6 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

10000

8000

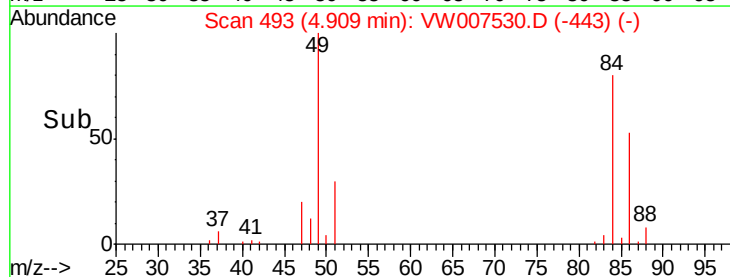
6000

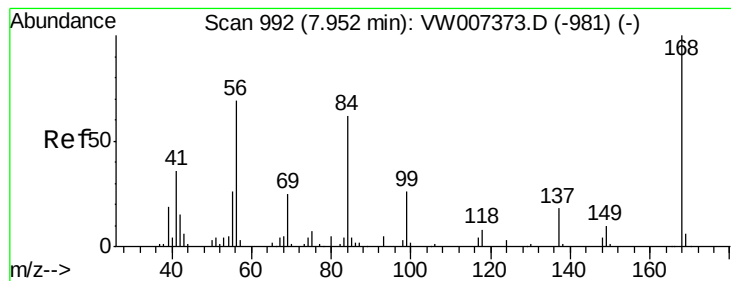
4000

2000

0

Time--> 4.80 4.90 5.00





#31

Cyclohexane

Concen: 1.294 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007530.D

Acq: 14 Dec 2018 12:58

Instrument :

MSVOA_W

ClientSampleId :

SUP-2A-G-5-120718

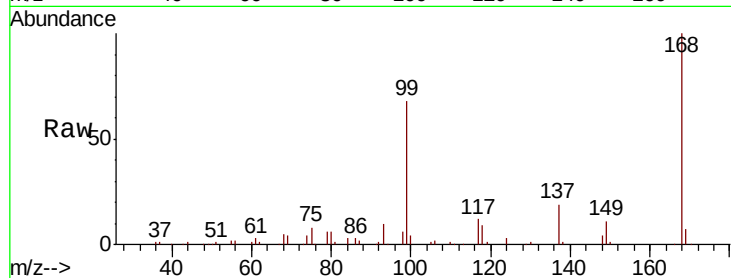
Tot Ion: 56 Resp: 1524

Ion Ratio Lower Upper

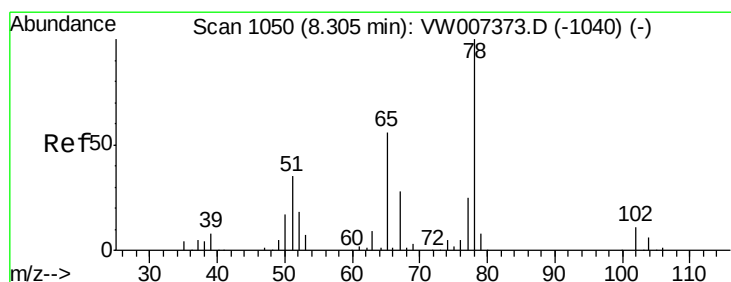
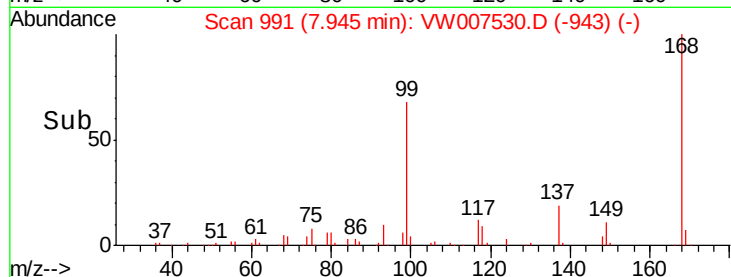
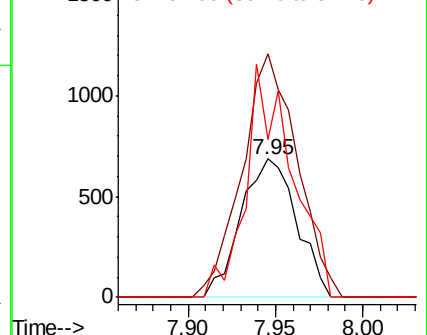
56 100

69 176.4 28.9 43.3#

84 114.6 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: 46.729 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007530.D

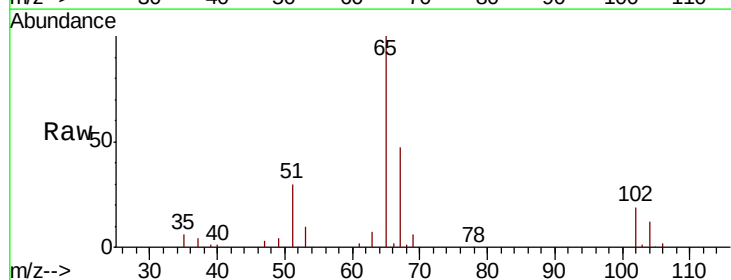
Acq: 14 Dec 2018 12:58

Tgt Ion: 65 Resp: 35436

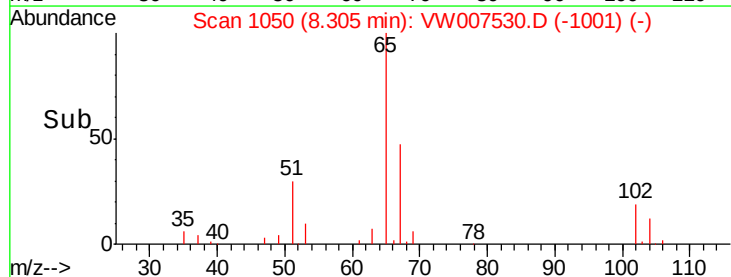
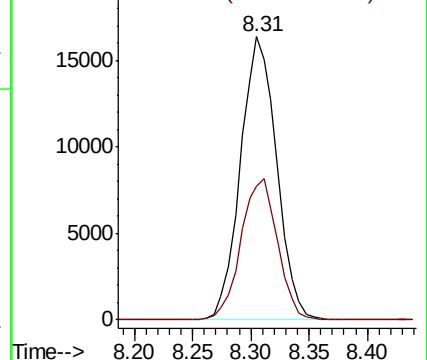
Ion Ratio Lower Upper

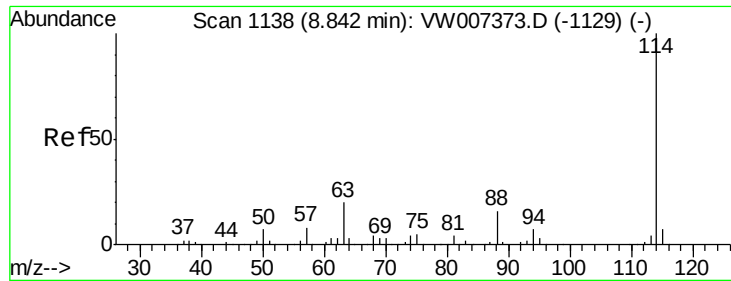
65 100

67 50.3 0.0 101.6



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

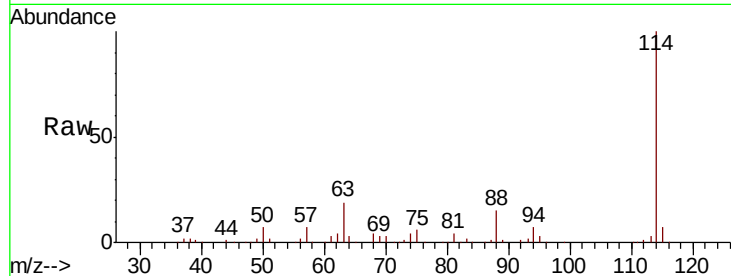




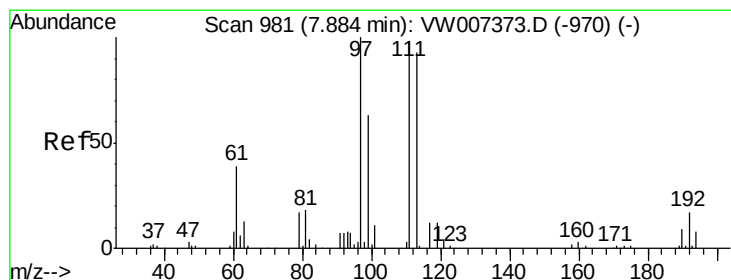
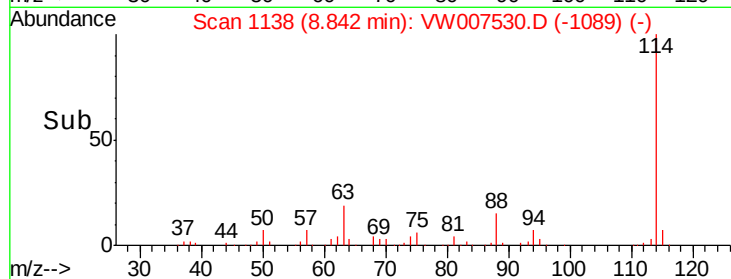
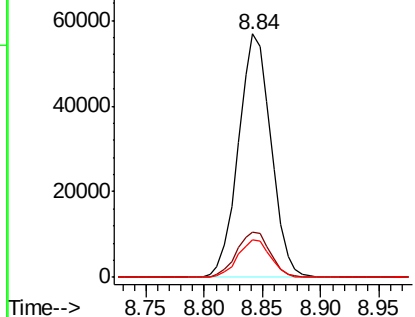
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007530.D
 Acq: 14 Dec 2018 12:58

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-2A-G-5-120718

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	39.6
88	15.4	0.0	31.4

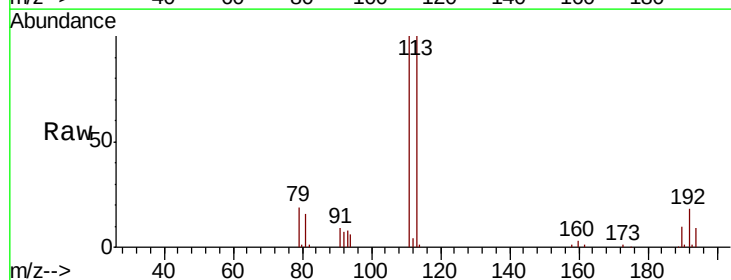


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

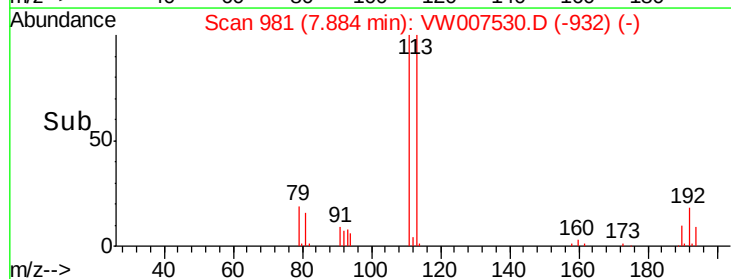
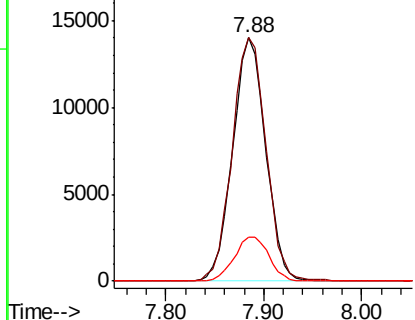


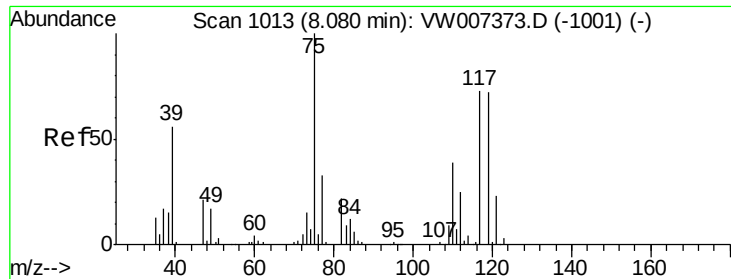
#35
 Dibromofluoromethane
 Concen: 48.683 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007530.D
 Acq: 14 Dec 2018 12:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.1	121.7
192	18.9	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

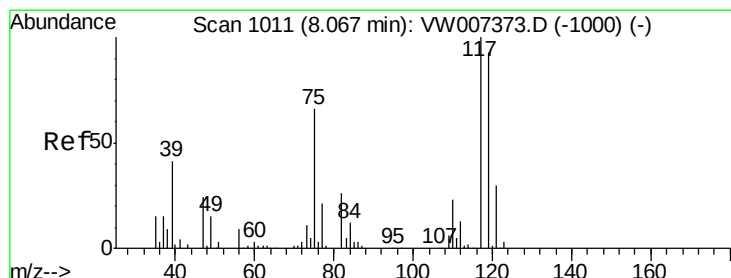
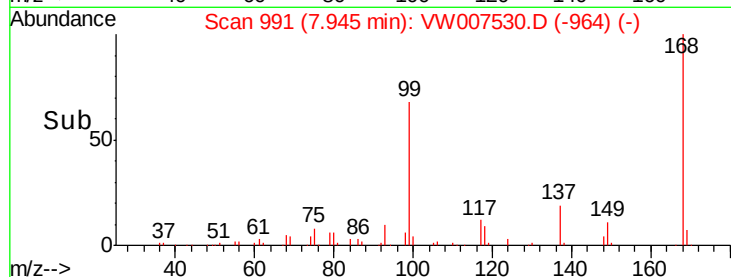
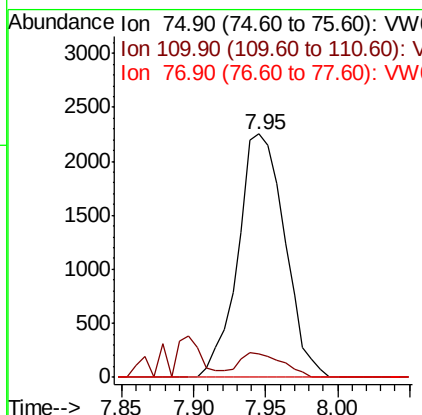
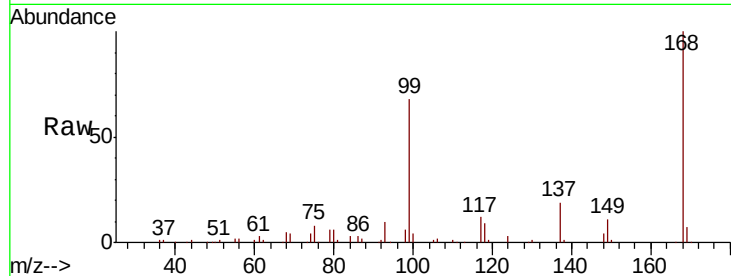




#36
 1,1-Dichloropropene
 Concen: 4.992 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007530.D
 Acq: 14 Dec 2018 12:58

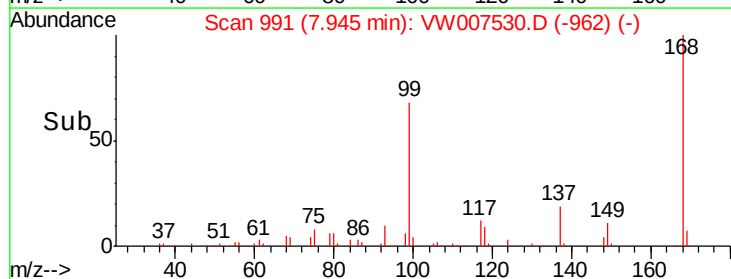
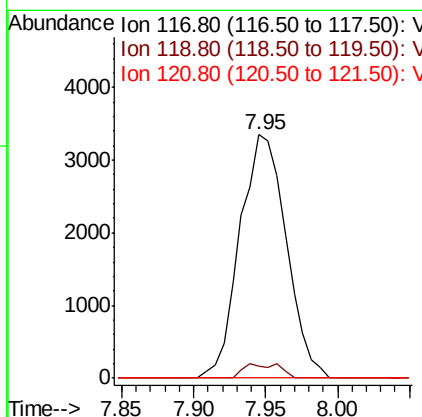
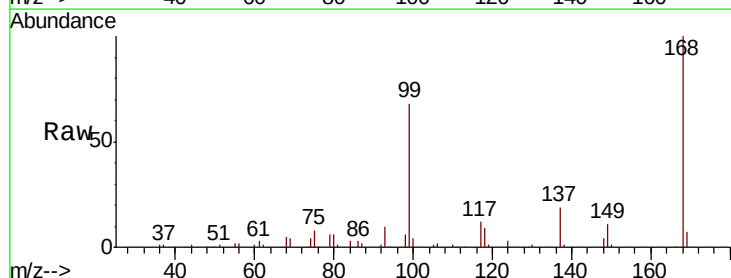
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-2A-G-5-120718

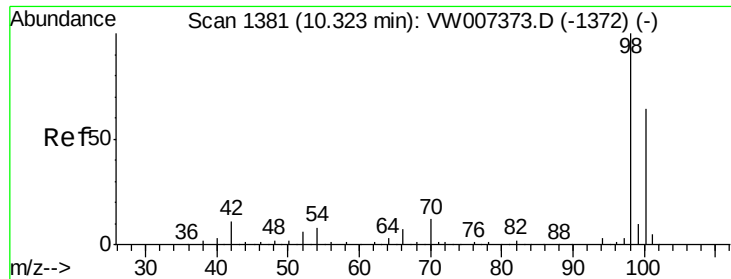
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.5	55.5#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.786 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW007530.D
 Acq: 14 Dec 2018 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	74.3	111.5#
121	0.0	24.3	36.5#





#50

Toluene-d8

Concen: 20.677 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007530.D

Acq: 14 Dec 2018 12:58

Instrument :

MSVOA_W

ClientSampleId :

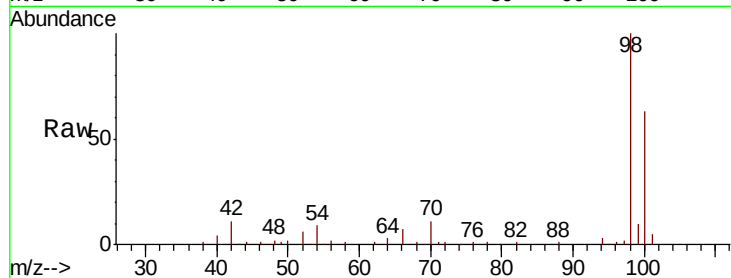
SUP-2A-G-5-120718

Tot Ion: 98 Resp: 52156

Ion Ratio Lower Upper

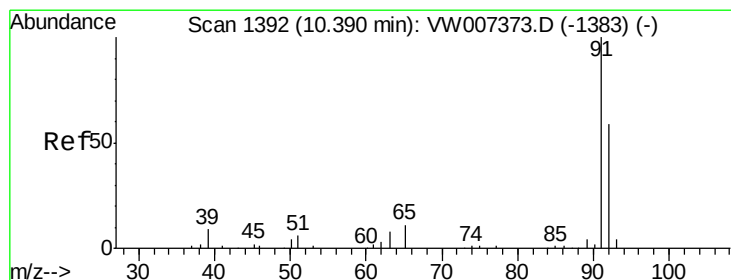
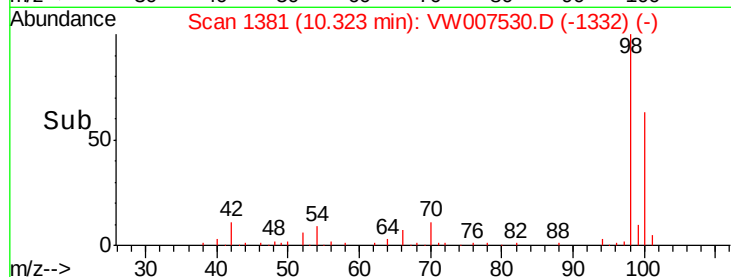
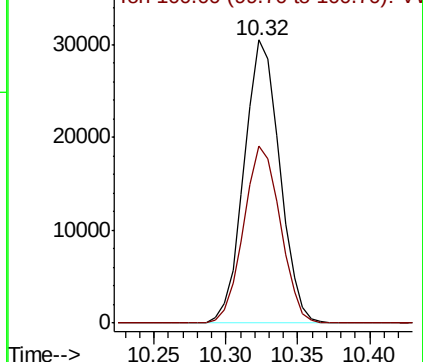
98 100

100 64.5 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 1.784 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007530.D

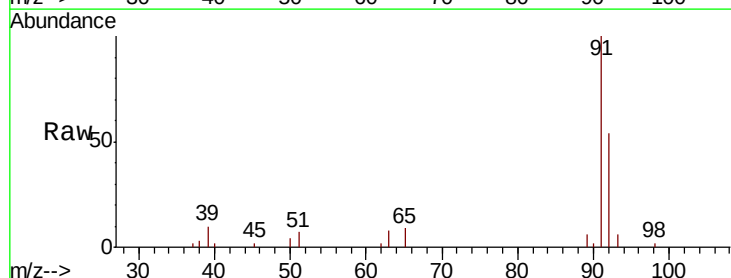
Acq: 14 Dec 2018 12:58

Tgt Ion: 92 Resp: 3249

Ion Ratio Lower Upper

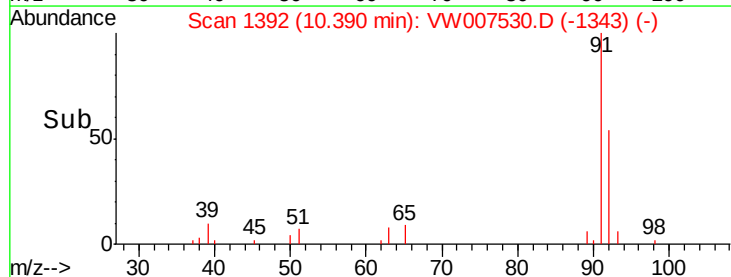
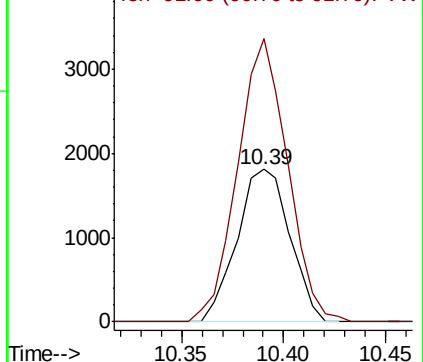
92 100

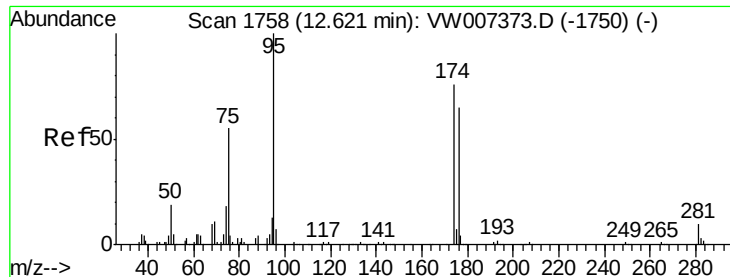
91 175.4 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#62

4-Bromofluorobenzene

Concen: 40.993 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007530.D

Acq: 14 Dec 2018 12:58

Instrument :

MSVOA_W

ClientSampleId :

SUP-2A-G-5-120718

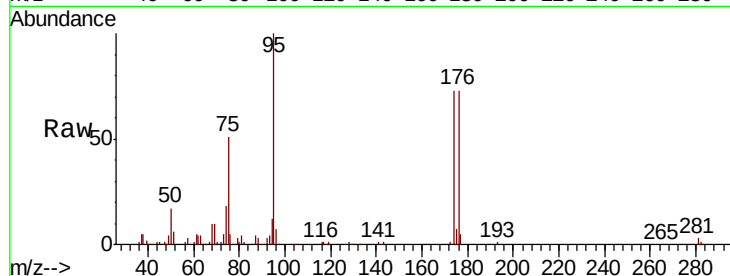
Tot Ion: 95 Resp: 38019

Ion Ratio Lower Upper

95 100

174 76.4 0.0 147.2

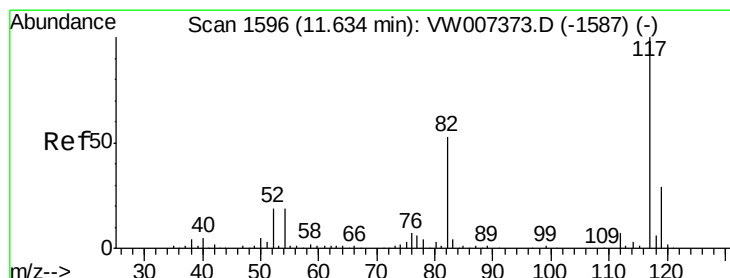
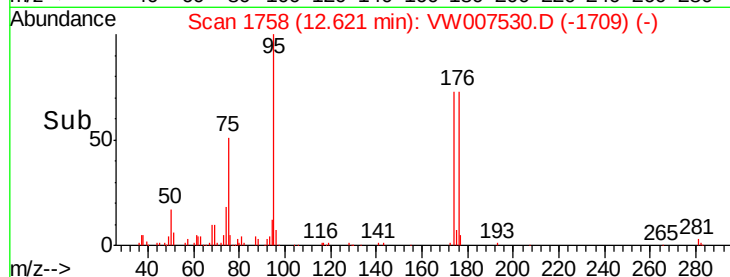
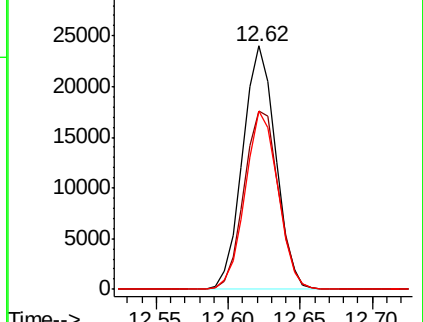
176 72.3 0.0 138.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007530.D

Acq: 14 Dec 2018 12:58

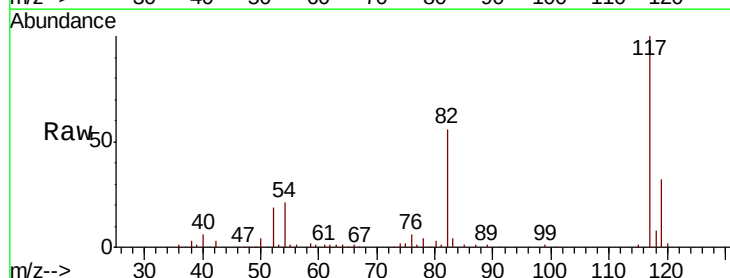
Tgt Ion: 117 Resp: 73767

Ion Ratio Lower Upper

117 100

82 55.5 42.3 63.5

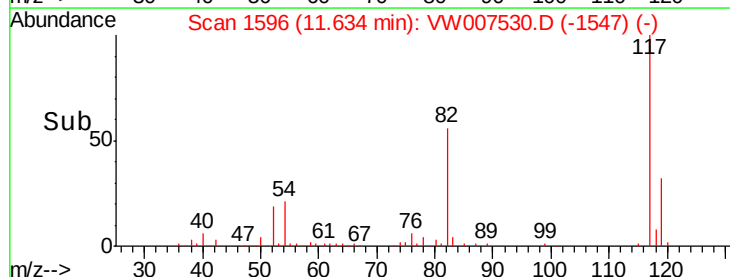
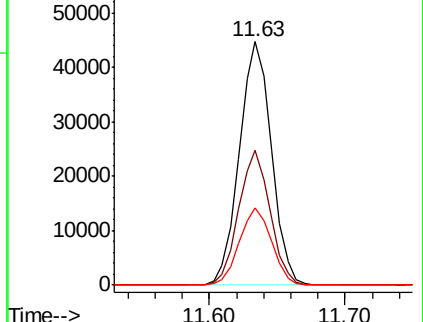
119 31.9 23.0 34.6

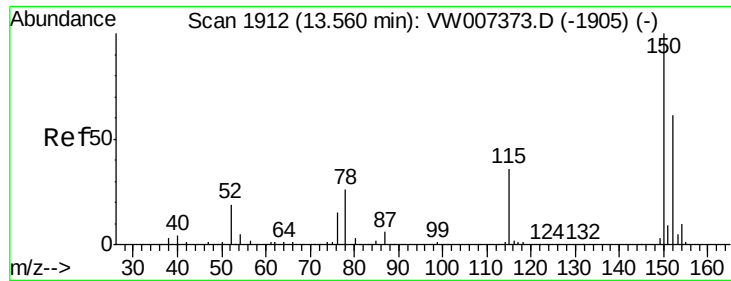


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007530.D

Acq: 14 Dec 2018 12:58

Instrument :

MSVOA_W

ClientSampleId :

SUP-2A-G-5-120718

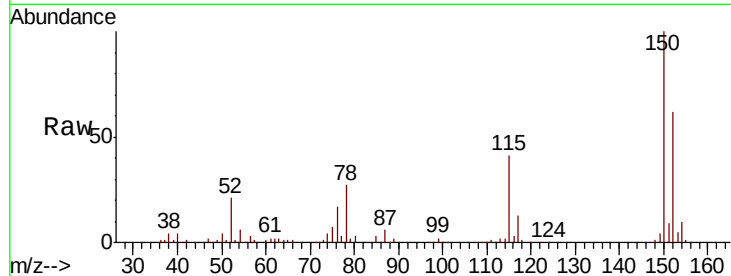
Tot Ion:152 Resp: 40344

Ion Ratio Lower Upper

152 100

115 63.6 31.4 94.2

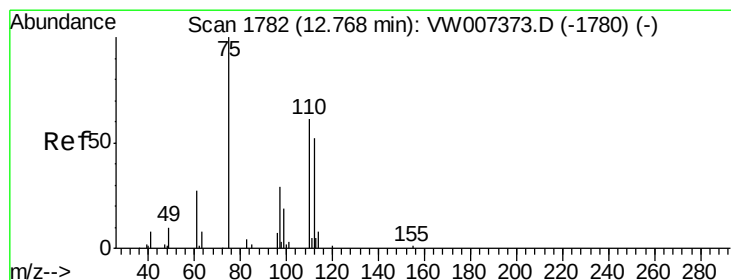
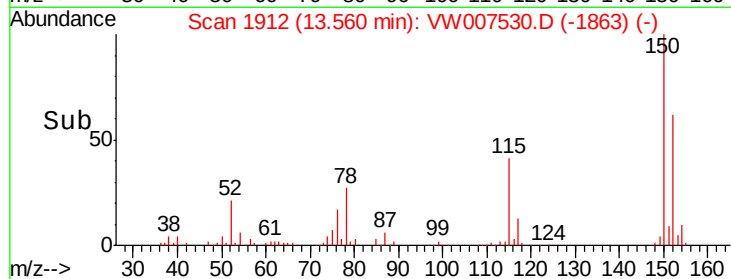
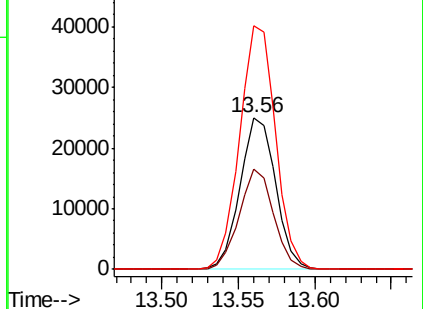
150 161.9 0.0 358.4



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: 58.308 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007530.D

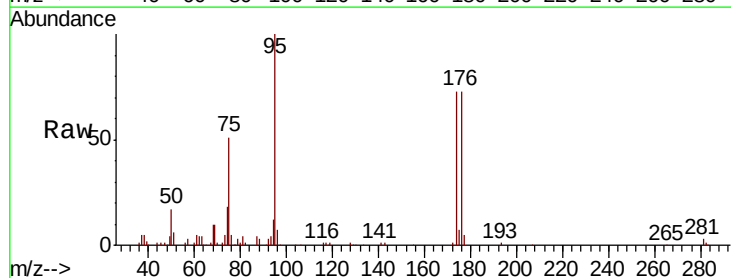
Acq: 14 Dec 2018 12:58

Tgt Ion: 75 Resp: 19396

Ion Ratio Lower Upper

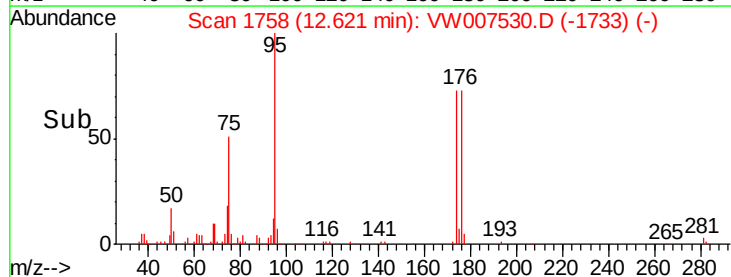
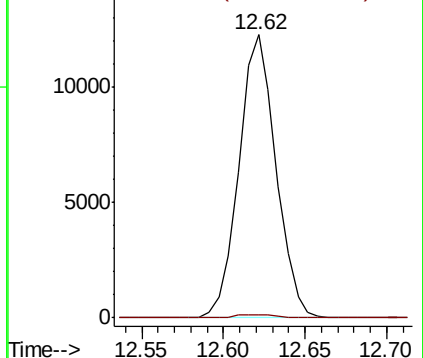
75 100

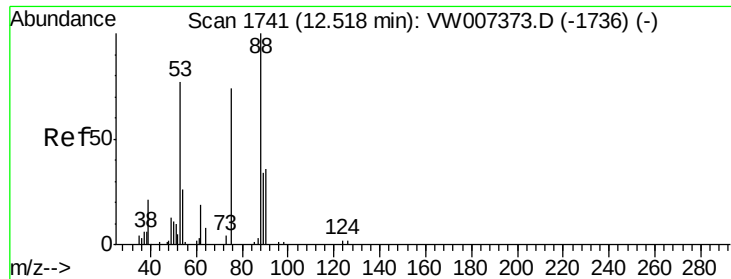
77 1.0 166.9 500.8#



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: 128.803 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007530.D

Acq: 14 Dec 2018 12:58

Instrument :

MSVOA_W

ClientSampleId :

SUP-2A-G-5-120718

Tot Ion: 75 Resp: 19396

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

