

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122018\
 Data File : VW007676.D
 Acq On : 19 Dec 2018 01:05
 Operator : SY/AP
 Sample : VW1220SBL02
 Misc : 4.77G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

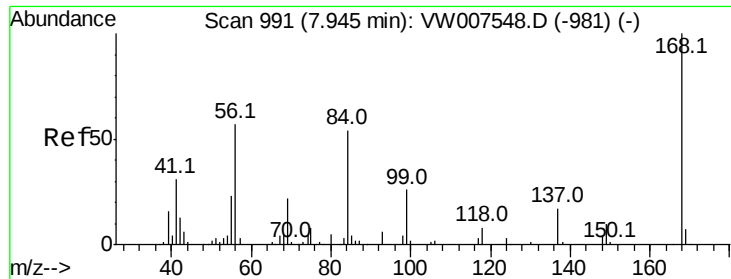
Quant Time: Dec 19 03:22:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	66692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	111660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	101987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	50001	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	35828	48.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.84%	
35) Dibromofluoromethane	7.88	113	32329	47.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.66%	
50) Toluene-d8	10.32	98	116448	45.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.90%	
62) 4-Bromofluorobenzene	12.62	95	44152	47.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	284	2.198	ug/l #	44
20) Methylene Chloride	4.90	84	1518	Below Cal		92
31) Cyclohexane	7.95	56	1396	1.215	ug/l #	37
36) 1,1-Dichloropropene	7.95	75	5079	4.986	ug/l #	49
38) Carbon Tetrachloride	7.95	117	7154	6.455	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	23427	56.824	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	23427	125.525	ug/l #	7

(#) = 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. -0.00 min

Lab File: VW007676.D

Acq: 19 Dec 2018 01:05

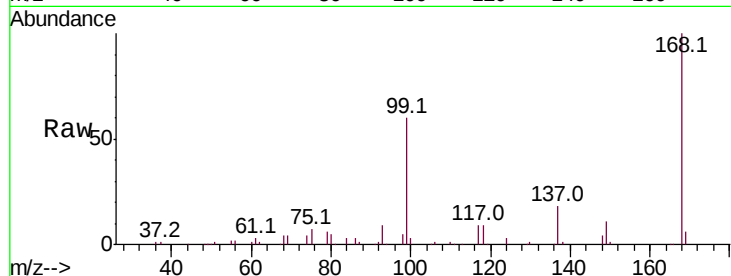
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 66692

Ion Ratio Lower Upper

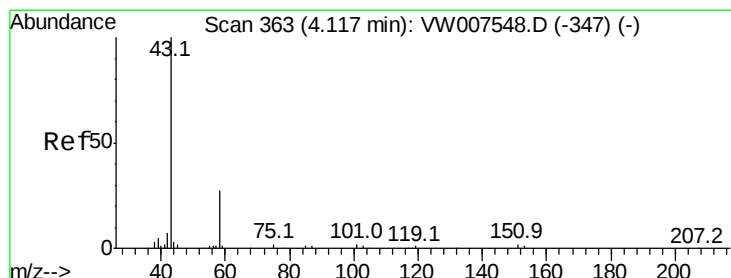
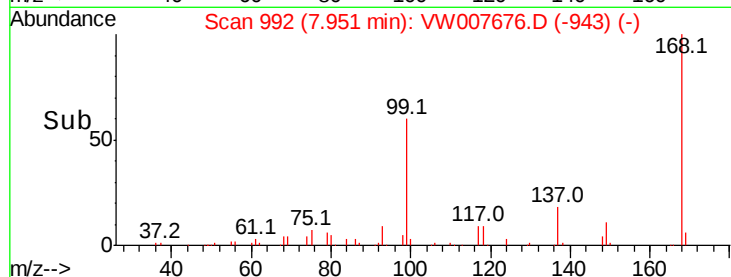
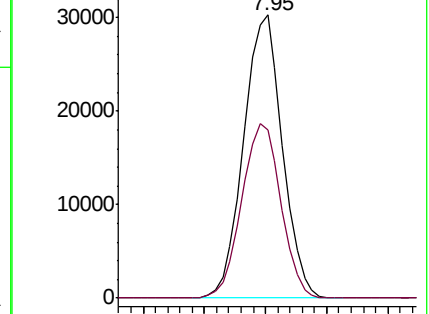
168 100

99 59.5 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 2.198 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007676.D

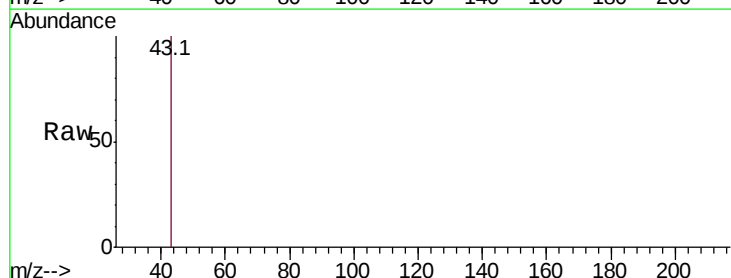
Acq: 19 Dec 2018 01:05

Tgt Ion: 43 Resp: 284

Ion Ratio Lower Upper

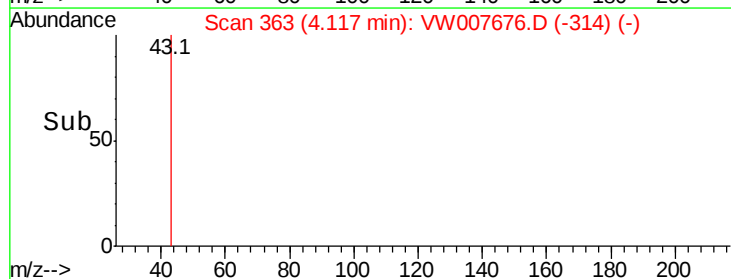
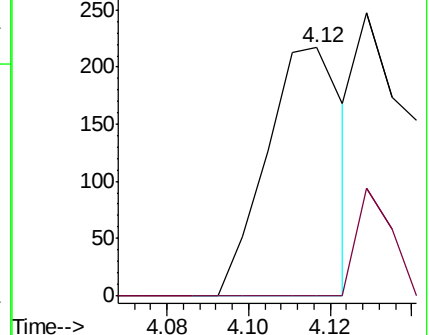
43 100

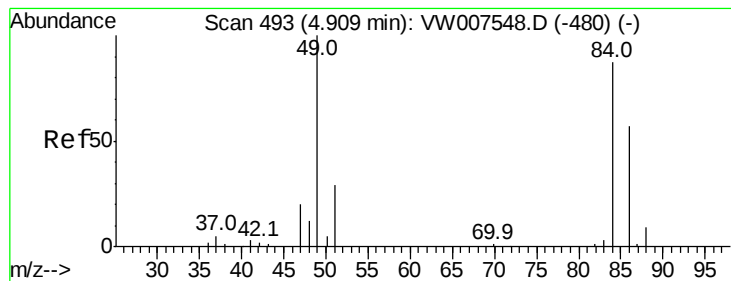
58 0.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. 0.00 min

Lab File: VW007676.D

Acq: 19 Dec 2018 01:05

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 1518

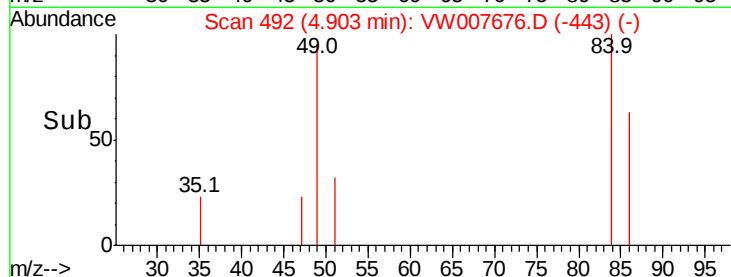
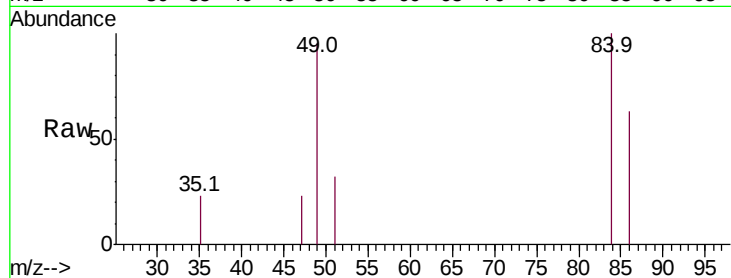
Ion Ratio Lower Upper

84 100

49 94.7 87.1 130.7

51 31.7 28.2 42.2

86 63.2 50.8 76.2

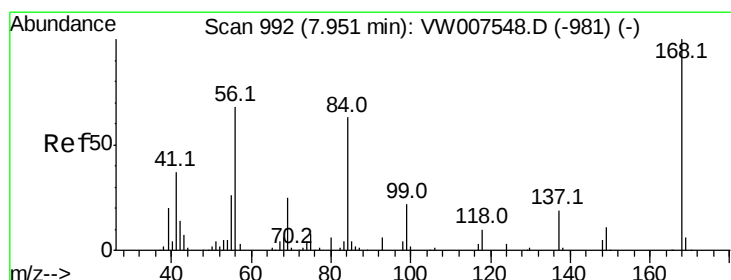
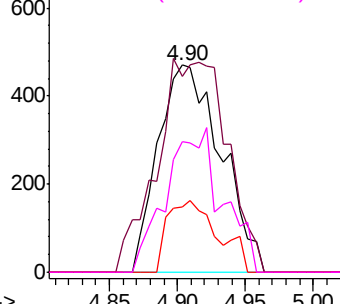


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#31

Cyclohexane

Concen: 1.215 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007676.D

Acq: 19 Dec 2018 01:05

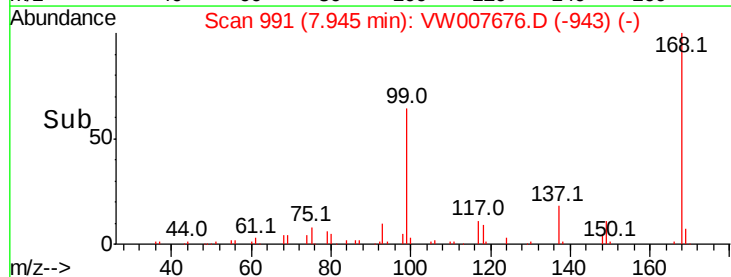
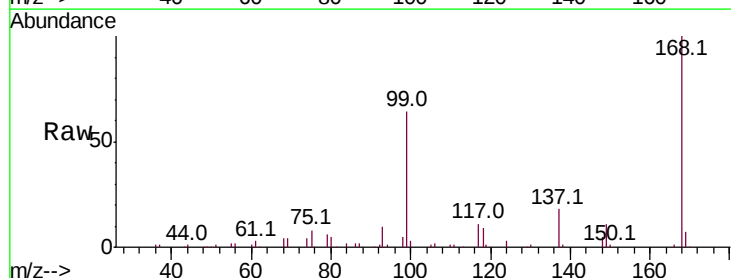
Tgt Ion: 56 Resp: 1396

Ion Ratio Lower Upper

56 100

69 163.3 28.9 43.3#

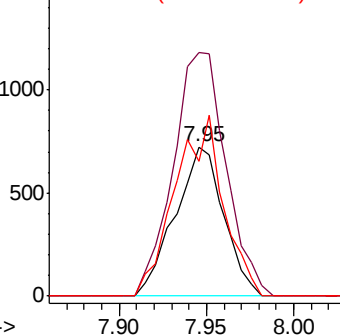
84 90.6 71.8 107.6

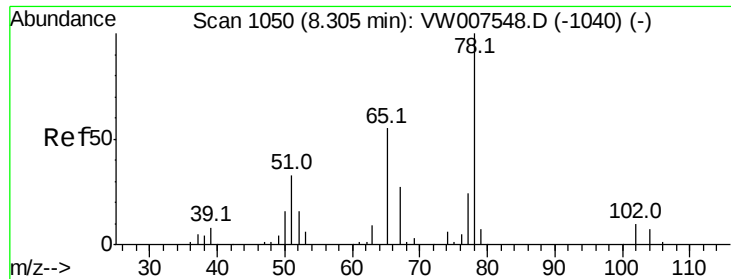


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

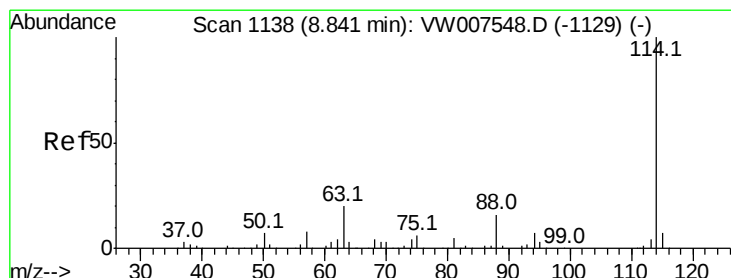
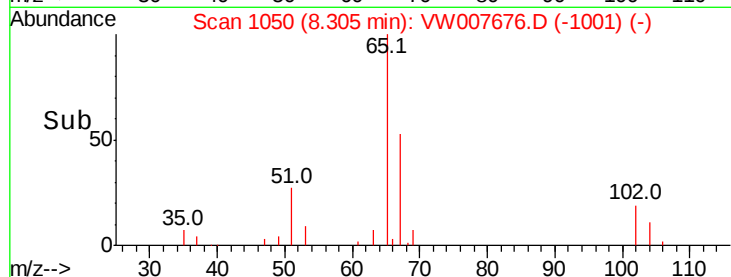
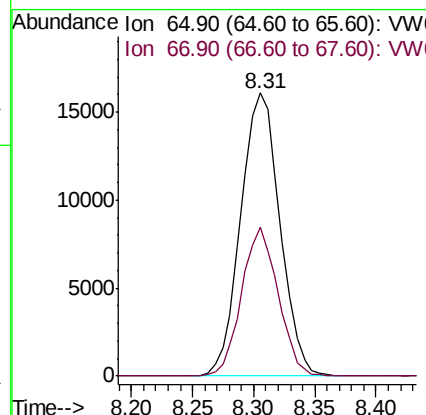
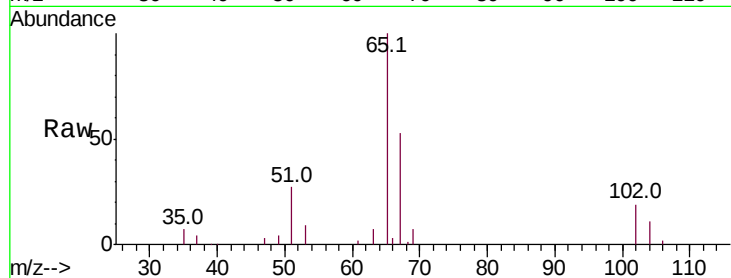




#33
 1,2-Dichloroethane-d4
 Concen: 48.423 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007676.D
 Acq: 19 Dec 2018 01:05

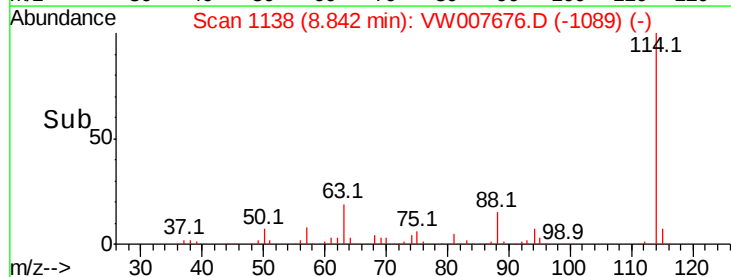
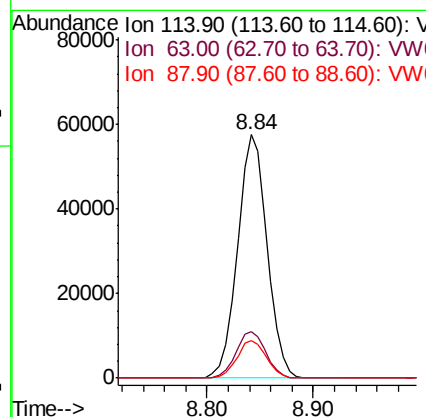
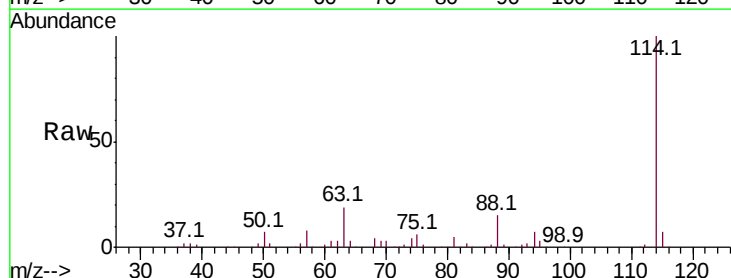
Instrument :
 MSVOA_W
 ClientSampleId :

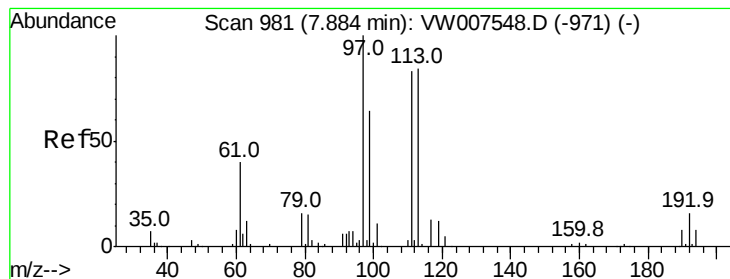
Tot Ion: 65 Resp: 35828
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007676.D
 Acq: 19 Dec 2018 01:05

Tgt Ion: 114 Resp: 111660
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.6
 88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.829 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007676.D

Acq: 19 Dec 2018 01:05

Instrument :
MSVOA_W
ClientSampleId :

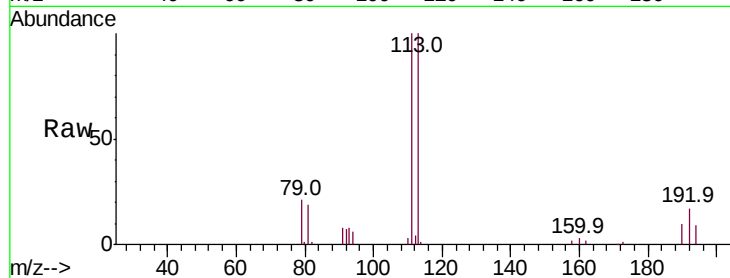
Tot Ion:113 Resp: 32329

Ion Ratio Lower Upper

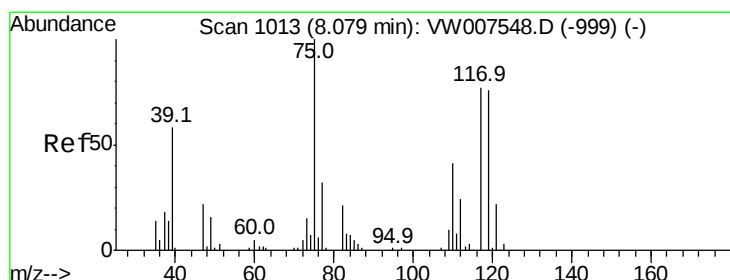
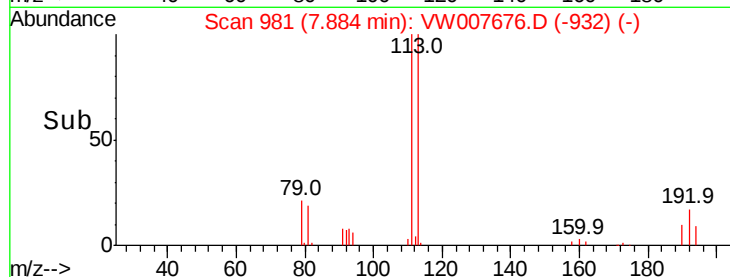
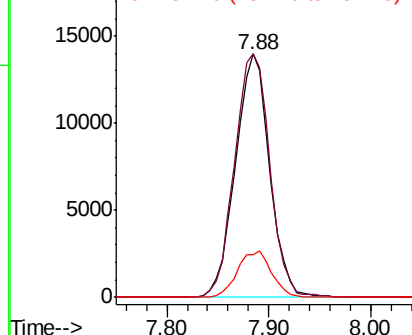
113 100

111 103.5 81.1 121.7

192 18.8 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: 4.986 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007676.D

Acq: 19 Dec 2018 01:05

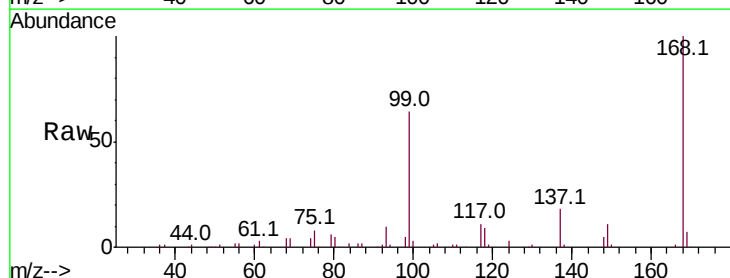
Tgt Ion: 75 Resp: 5079

Ion Ratio Lower Upper

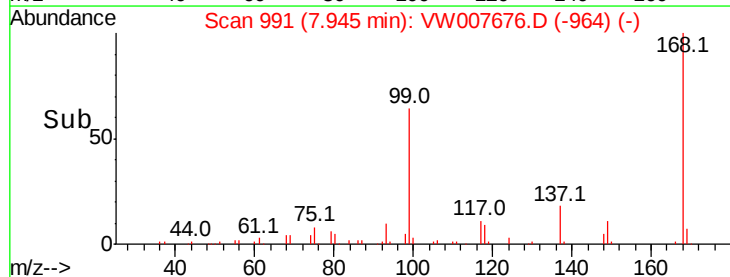
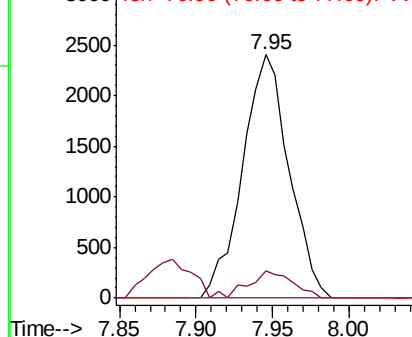
75 100

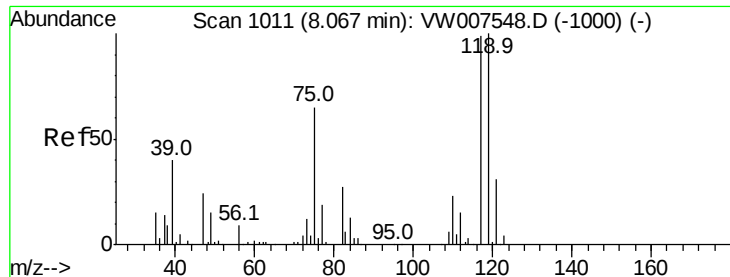
110 10.3 18.5 55.5#

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: 6.455 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007676.D

Acq: 19 Dec 2018 01:05

Instrument :

MSVOA_W

ClientSampleId :

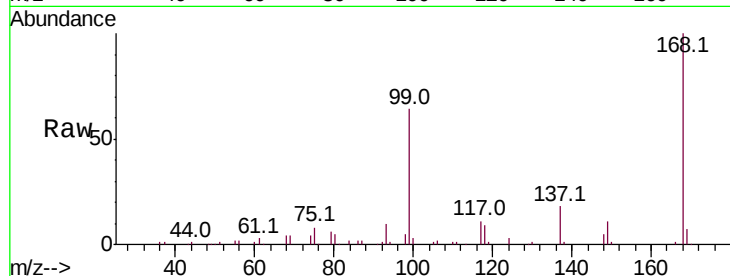
Tot Ion:117 Resp: 7154

Ion Ratio Lower Upper

117 100

119 4.9 74.3 111.5#

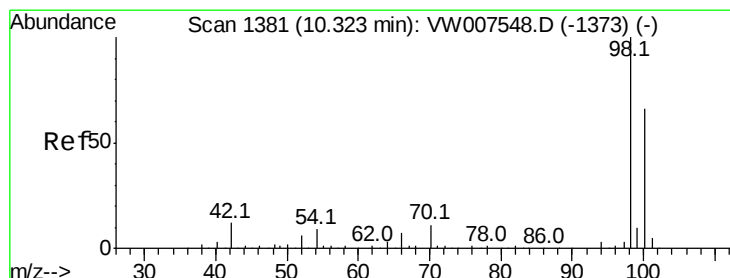
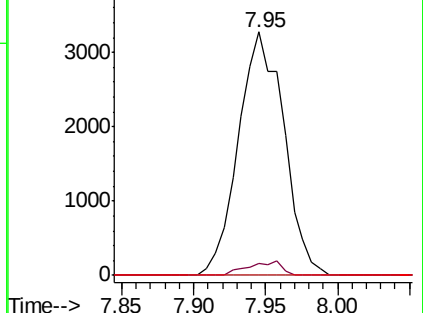
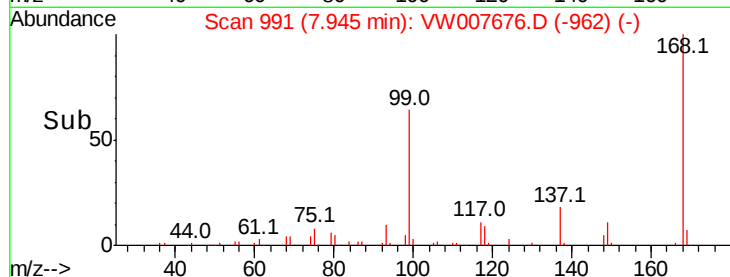
121 0.0 24.3 36.5#



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: 45.948 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007676.D

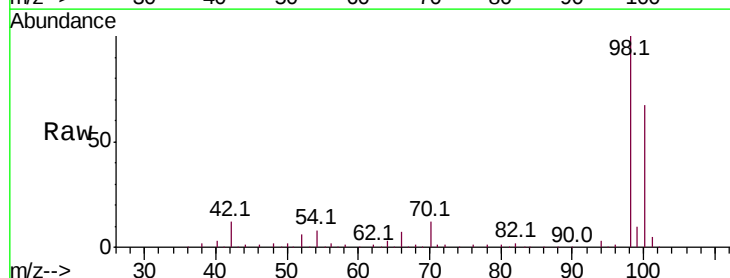
Acq: 19 Dec 2018 01:05

Tgt Ion: 98 Resp: 116448

Ion Ratio Lower Upper

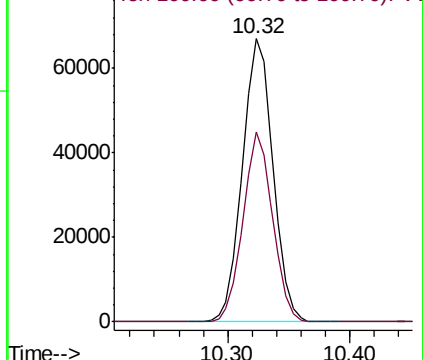
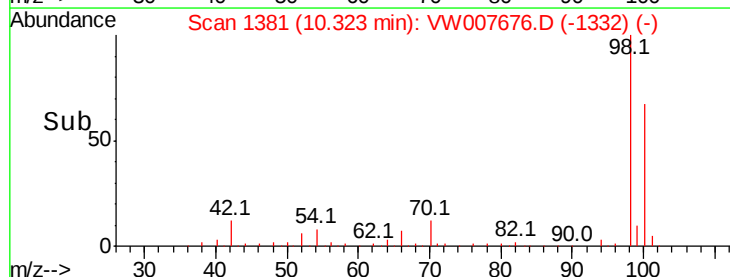
98 100

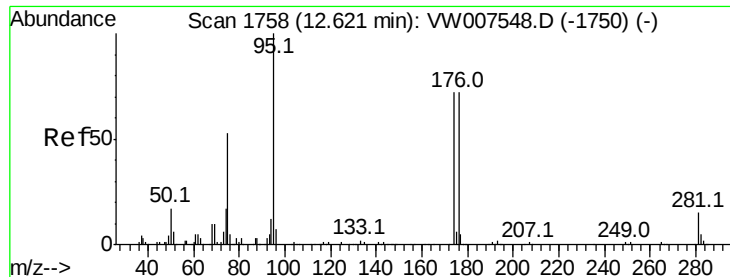
100 64.7 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

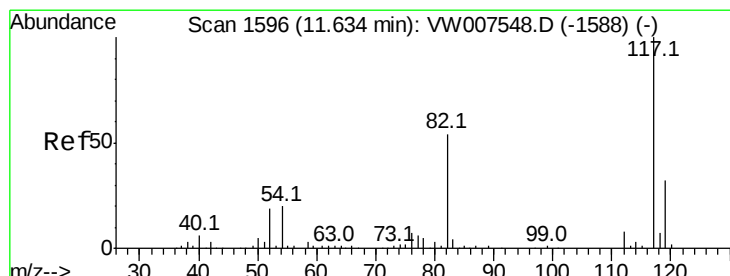
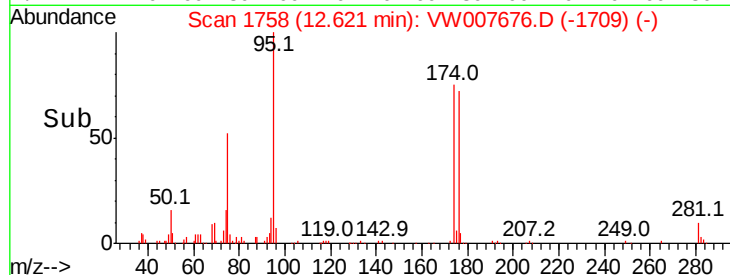
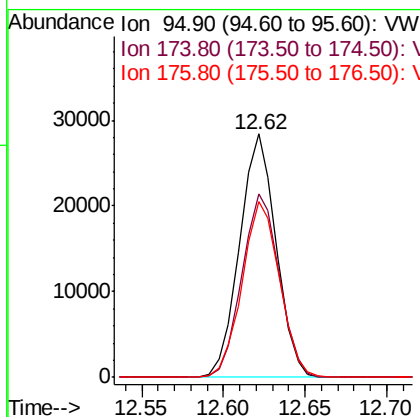
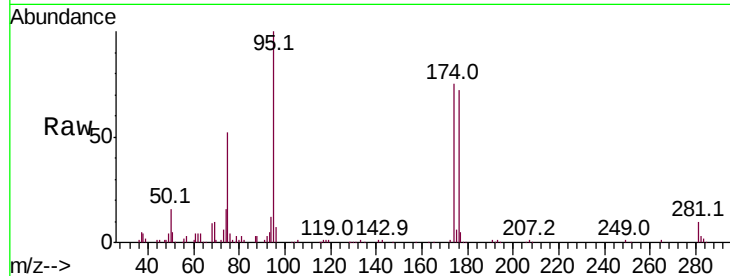




#62
4-Bromofluorobenzene
Concen: 47.383 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007676.D
Acq: 19 Dec 2018 01:05

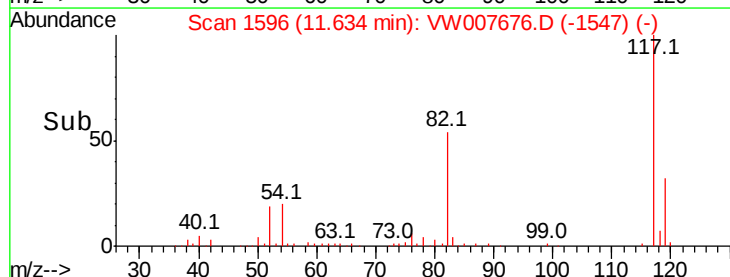
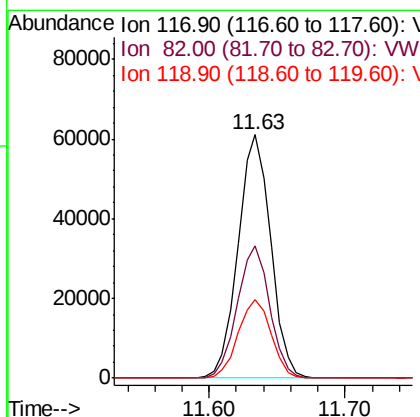
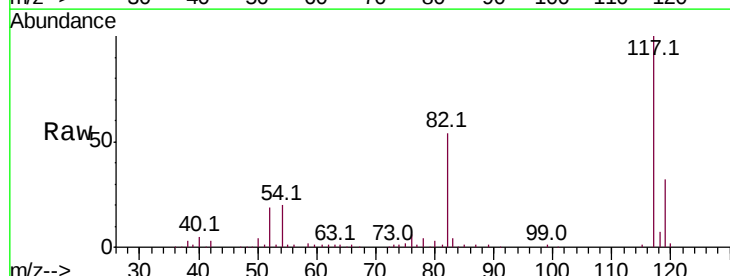
Instrument :
MSVOA_W
ClientSampleId :

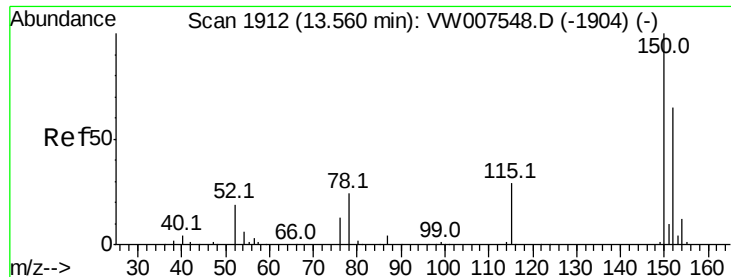
Tot Ion: 95 Resp: 44152
Ion Ratio Lower Upper
95 100
174 77.5 0.0 147.2
176 74.0 0.0 138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007676.D
Acq: 19 Dec 2018 01:05

Tgt Ion: 117 Resp: 101987
Ion Ratio Lower Upper
117 100
82 54.4 42.3 63.5
119 32.2 23.0 34.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007676.D

Acq: 19 Dec 2018 01:05

Instrument :

MSVOA_W

ClientSampleId :

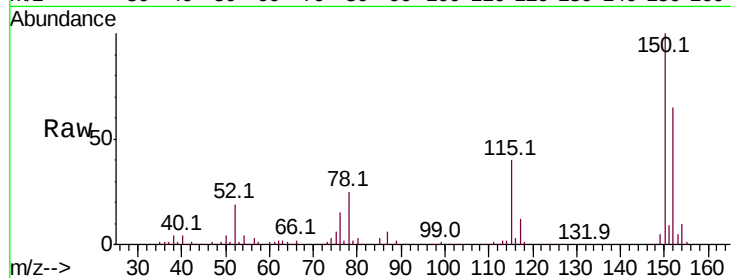
Tot Ion:152 Resp: 50001

Ion Ratio Lower Upper

152 100

115 63.9 31.4 94.2

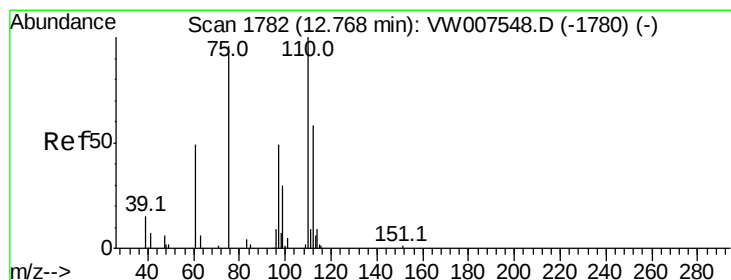
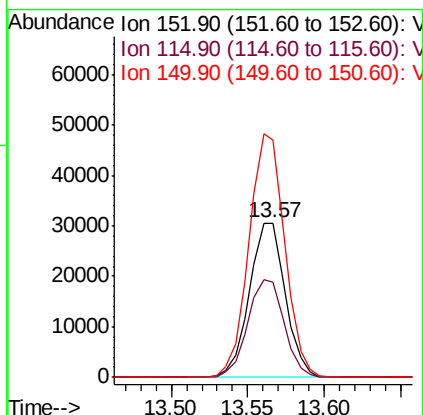
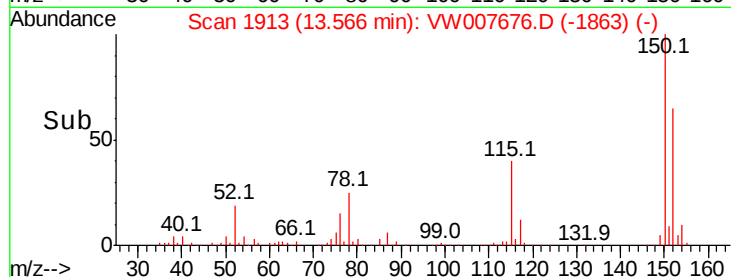
150 156.6 0.0 358.4



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: 56.824 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007676.D

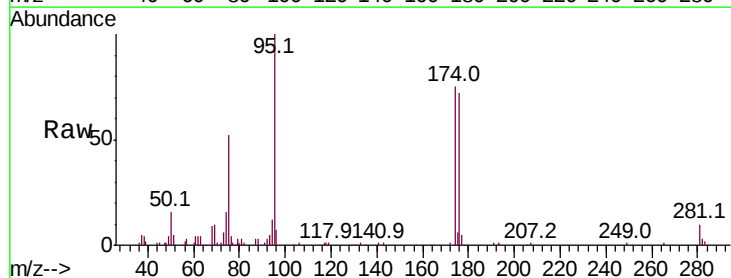
Acq: 19 Dec 2018 01:05

Tgt Ion: 75 Resp: 23427

Ion Ratio Lower Upper

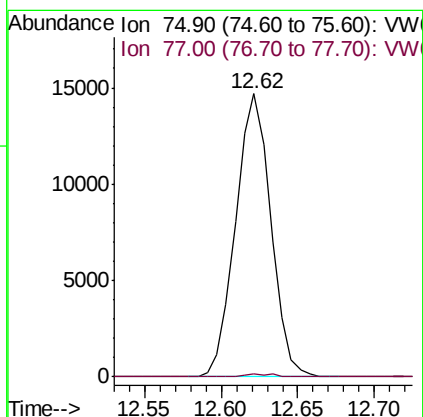
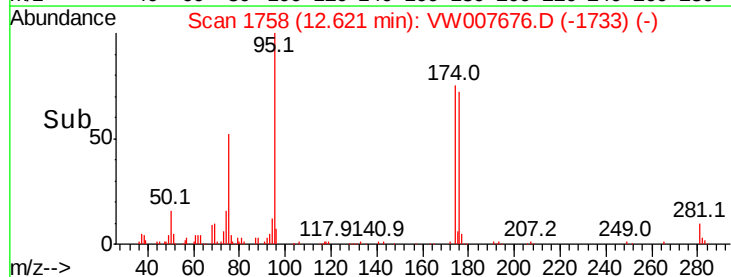
75 100

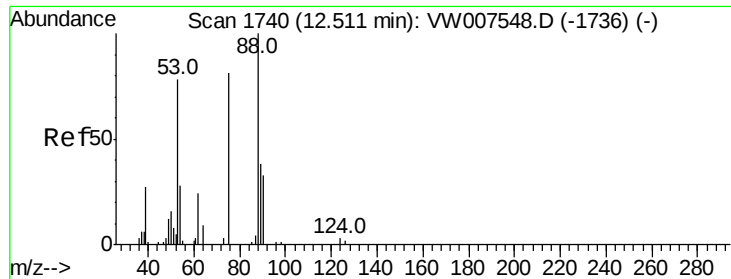
77 0.9 166.9 500.8#



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: 125.525 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007676.D

Acq: 19 Dec 2018 01:05

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 23427

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

