

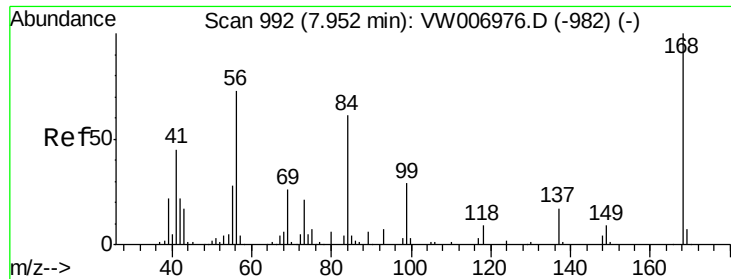
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112618\
 Data File : VW007046.D
 Acq On : 26 Nov 2018 14:43
 Operator : VAY/AP
 Sample : J6028-03RE
 Misc : 5.85G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VOC-3

Quant Time: Nov 27 05:24:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	119463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	186401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	161142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59455	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	58226	49.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.56%	
35) Dibromofluoromethane	7.89	113	49826	47.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.66%	
50) Toluene-d8	10.33	98	213375	45.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.80%	
62) 4-Bromofluorobenzene	12.62	95	69493	37.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.98%	
Target Compounds						
8) Diethyl Ether	3.69	74	877	1.431	ug/l	92
16) Acetone	4.15	43	2524	14.864	ug/l	93
20) Methylene Chloride	4.93	84	6152	Below Cal	#	86
31) Cyclohexane	7.95	56	2535	1.125	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9306	5.109	ug/l #	50
38) Carbon Tetrachloride	7.95	117	12371	7.092	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	859	1.351	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	34015	72.807	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	34015	182.789	ug/l #	10

(#) = 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: VW007046.D

Acq: 26 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

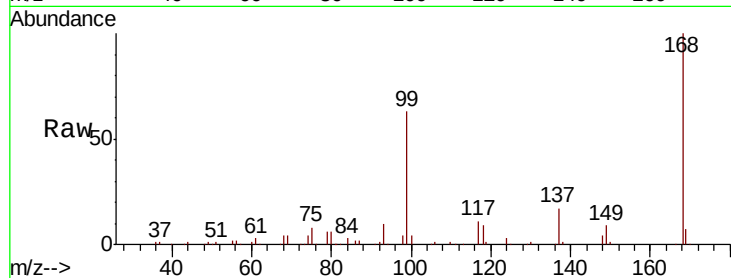
VOC-3

Tot Ion:168 Resp: 119463

Ion Ratio Lower Upper

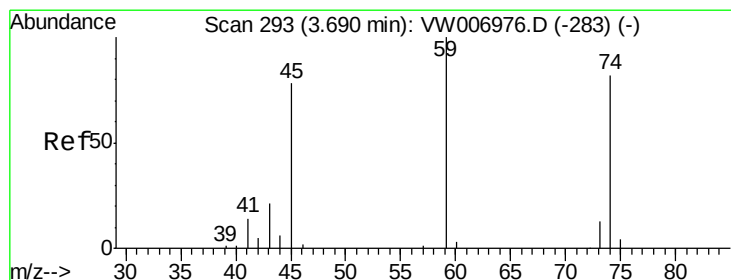
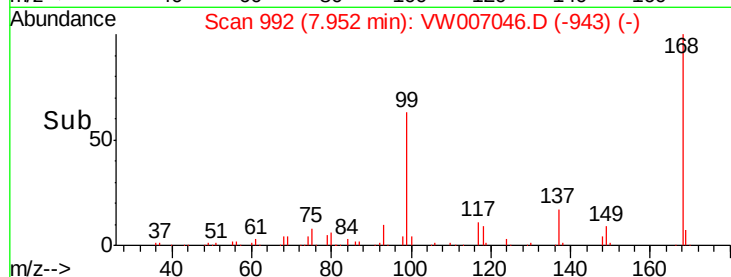
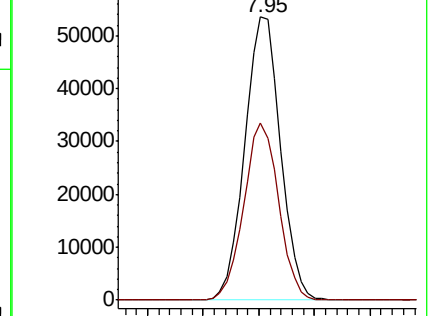
168 100

99 62.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.431 ug/l

RT: 3.69 min Scan# 293

Delta R.T. -0.00 min

Lab File: VW007046.D

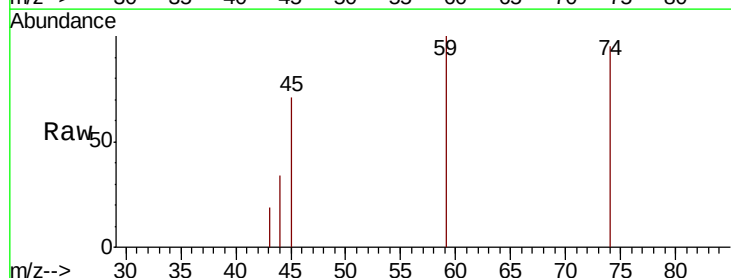
Acq: 26 Nov 2018 14:43

Tgt Ion: 74 Resp: 877

Ion Ratio Lower Upper

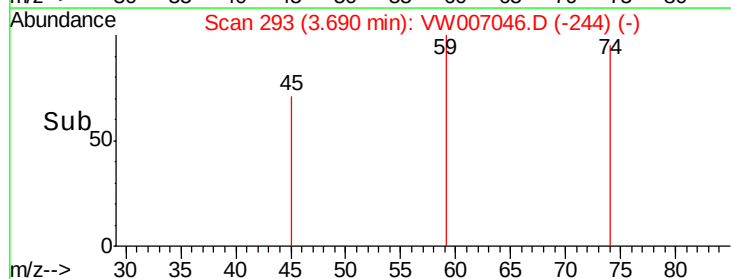
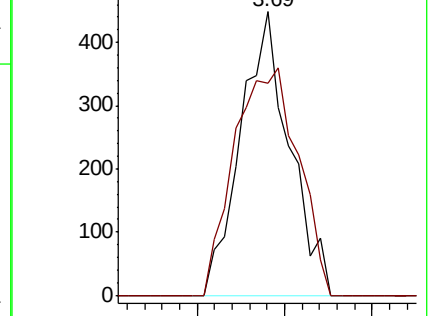
74 100

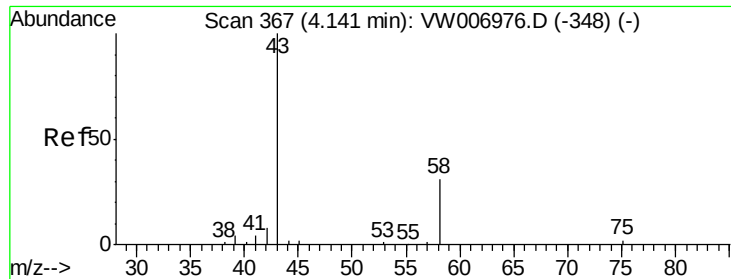
45 104.7 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 14.864 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW007046.D

Acq: 26 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

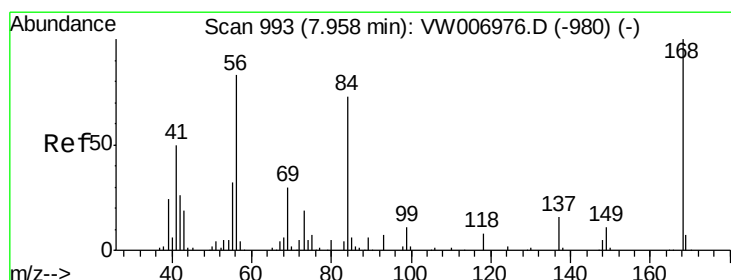
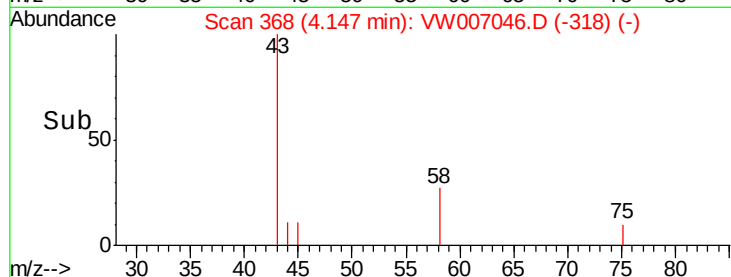
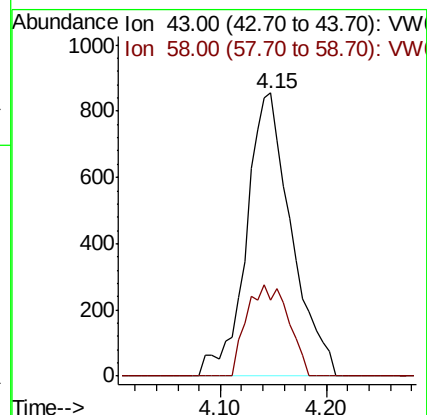
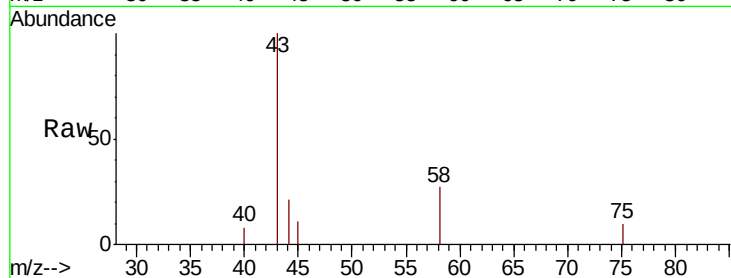
VOC-3

Tot Ion: 43 Resp: 2524

Ion Ratio Lower Upper

43 100

58 26.9 24.8 37.2



#31

Cyclohexane

Concen: 1.125 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW007046.D

Acq: 26 Nov 2018 14:43

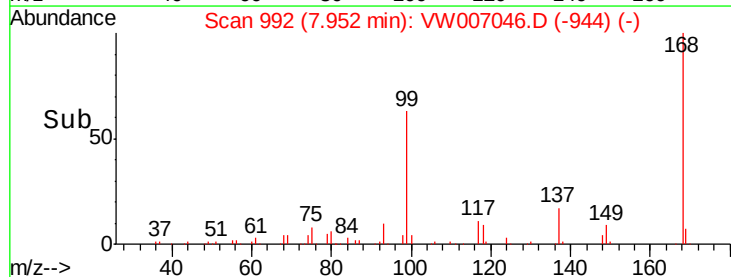
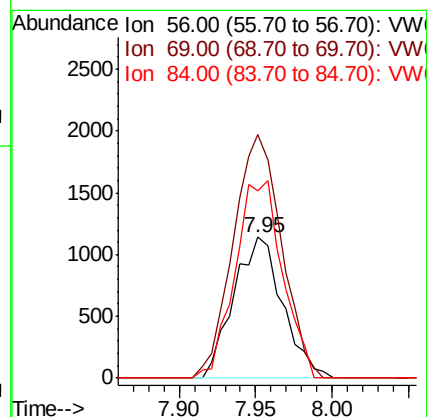
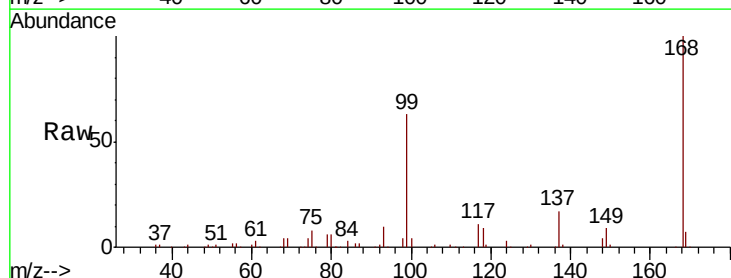
Tgt Ion: 56 Resp: 2535

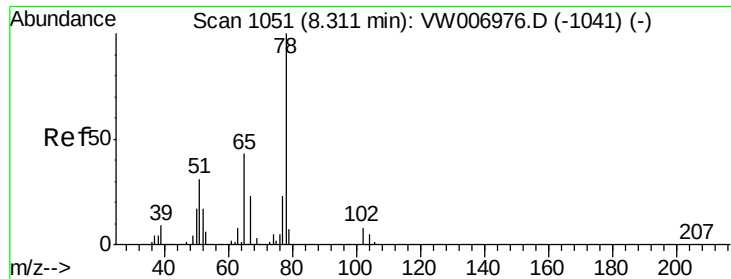
Ion Ratio Lower Upper

56 100

69 172.9 29.1 43.7#

84 132.9 70.6 105.8#

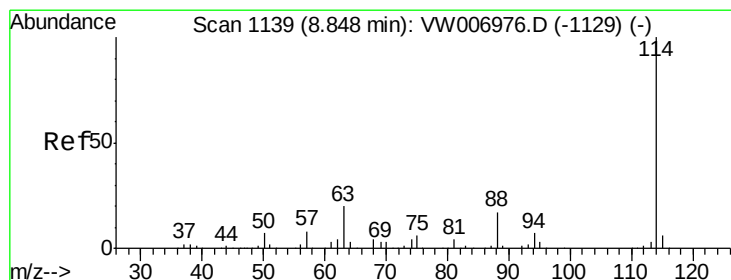
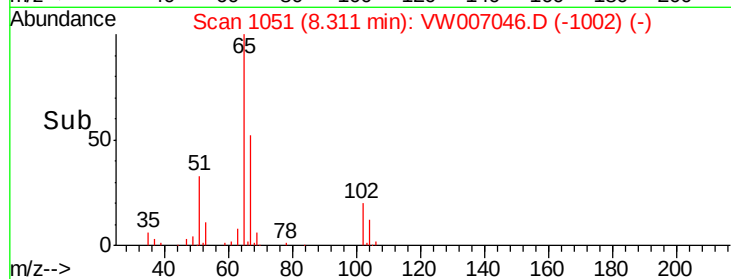
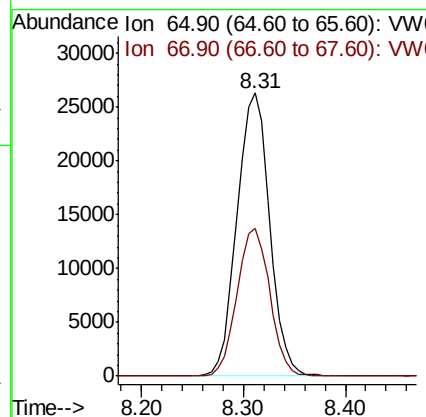
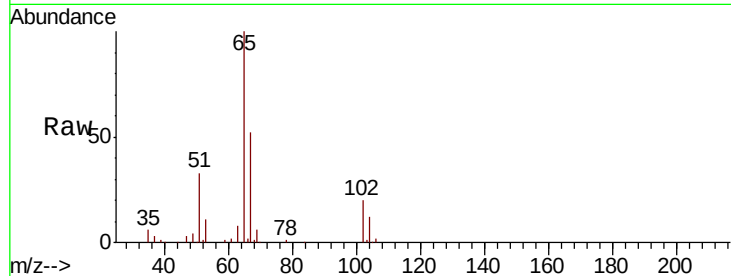




#33
 1,2-Dichloroethane-d4
 Concen: 49.784 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007046.D
 Acq: 26 Nov 2018 14:43

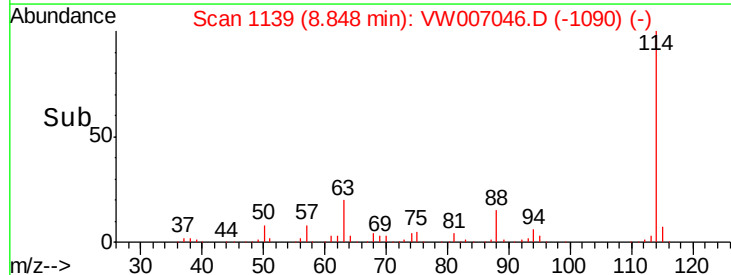
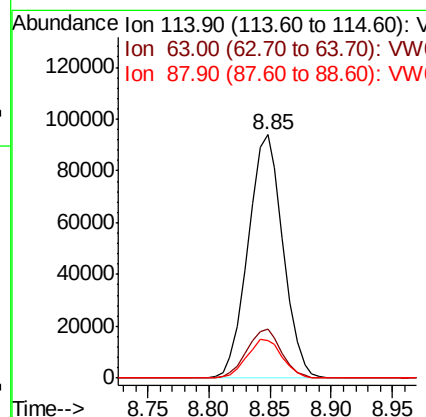
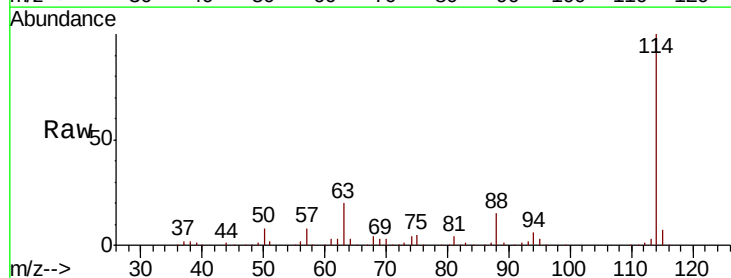
Instrument :
 MSVOA_W
 ClientSampled :
 VOC-3

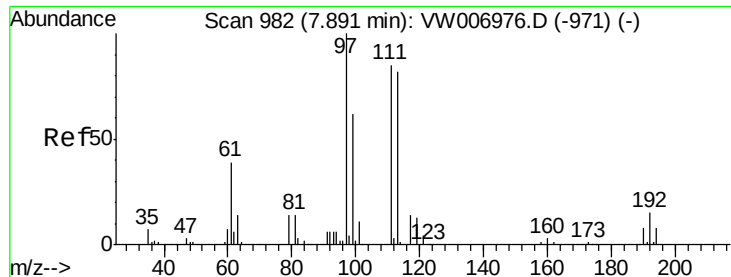
Tot Ion: 65 Resp: 58226
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007046.D
 Acq: 26 Nov 2018 14:43

Tgt Ion: 114 Resp: 186401
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.4
 88 15.4 0.0 34.2

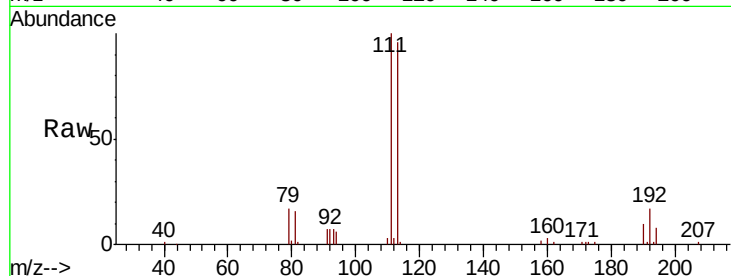




#35
 Dibromofluoromethane
 Concen: 47.334 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007046.D
 Acq: 26 Nov 2018 14:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VOC-3

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.0	121.6
192	18.2	15.0	22.6

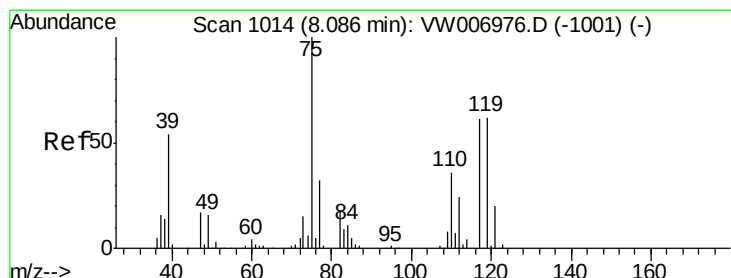
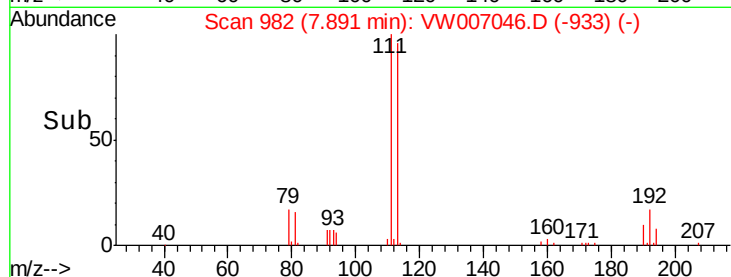
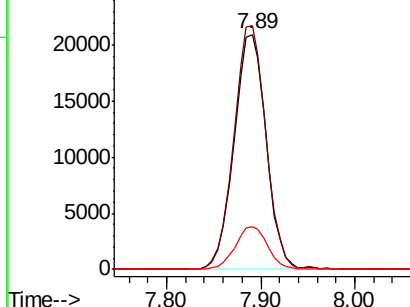


Abundance

Ion 112.80 (112.50 to 113.50): V

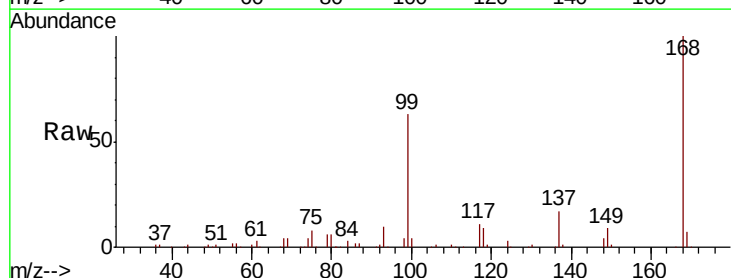
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 5.109 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007046.D
 Acq: 26 Nov 2018 14:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.0	54.0#
77	0.0	24.9	37.3#

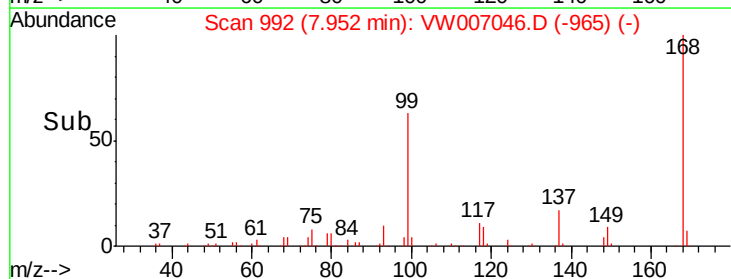
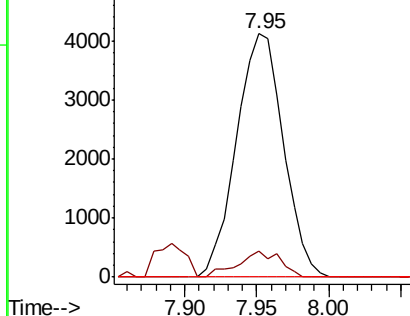


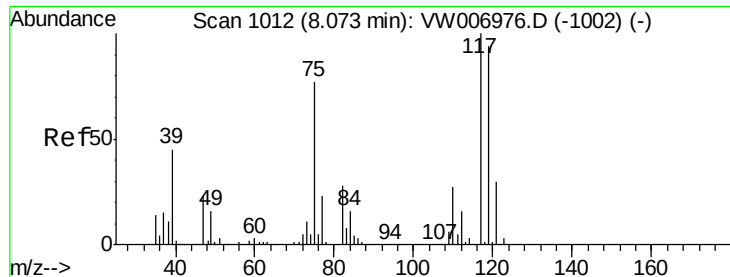
Abundance

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

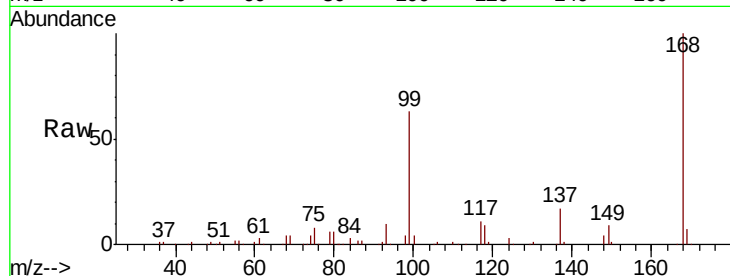




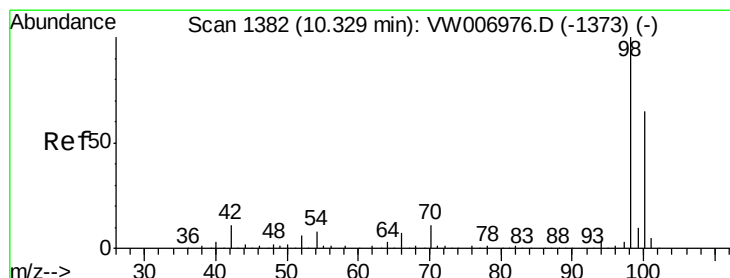
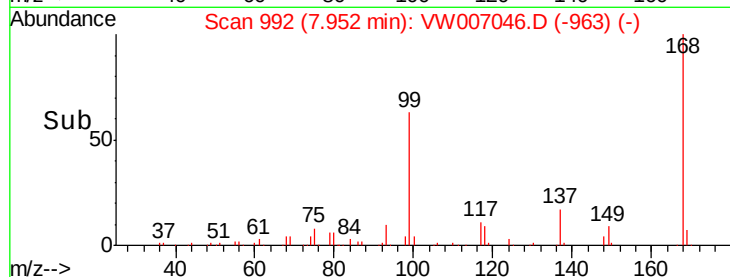
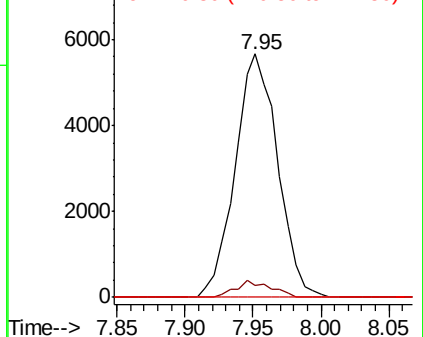
#38
Carbon Tetrachloride
Concen: 7.092 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007046.D
Acq: 26 Nov 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
VOC-3

Tot Ion:117 Resp: 12371
Ion Ratio Lower Upper
117 100
119 4.9 74.9 112.3#
121 0.0 23.6 35.4#

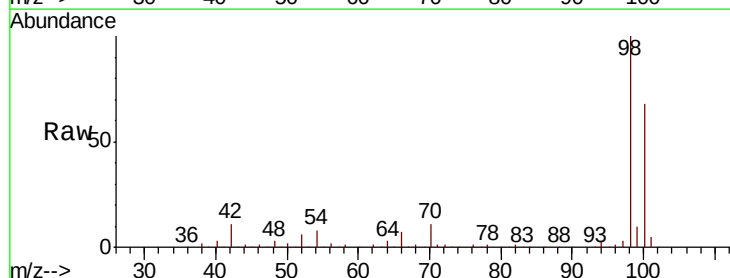


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

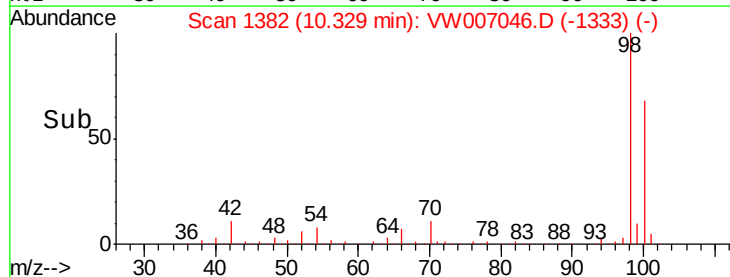
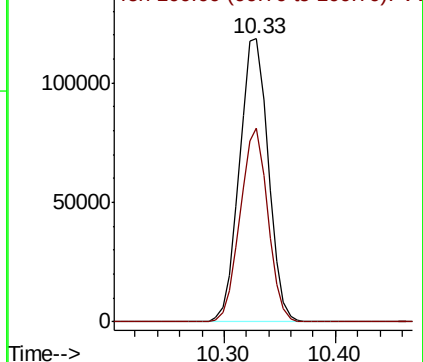


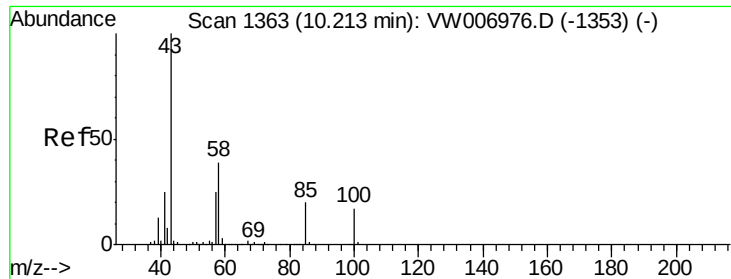
#50
Toluene-d8
Concen: 45.903 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW007046.D
Acq: 26 Nov 2018 14:43

Tgt Ion: 98 Resp: 213375
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

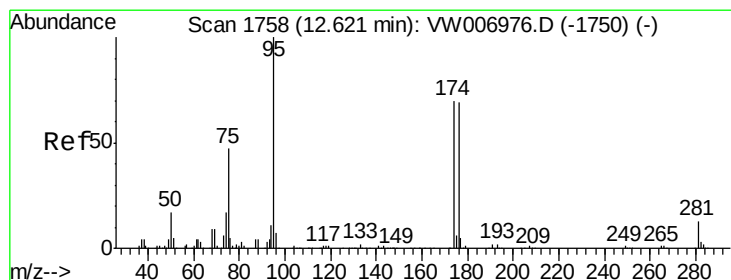
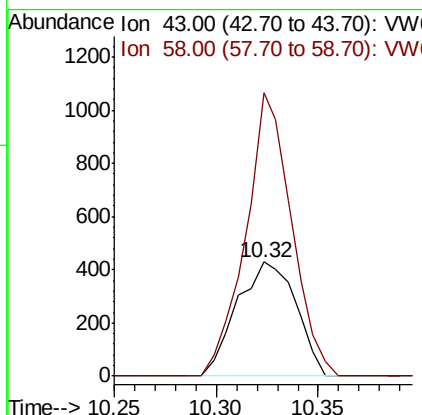
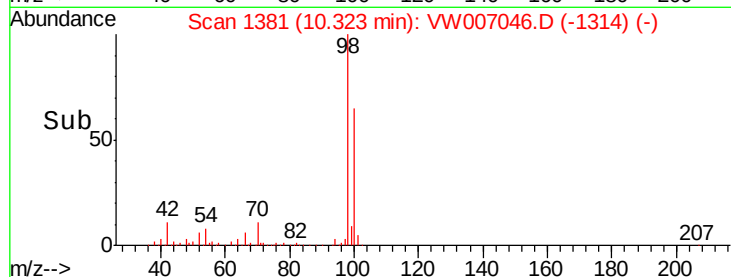
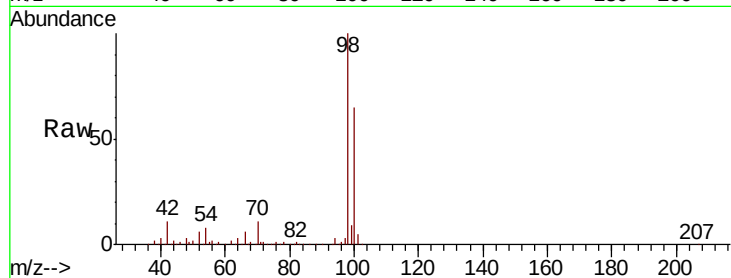




#51
 4-Methyl-2-Pentanone
 Concen: 1.351 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.11 min
 Lab File: VW007046.D
 Acq: 26 Nov 2018 14:43

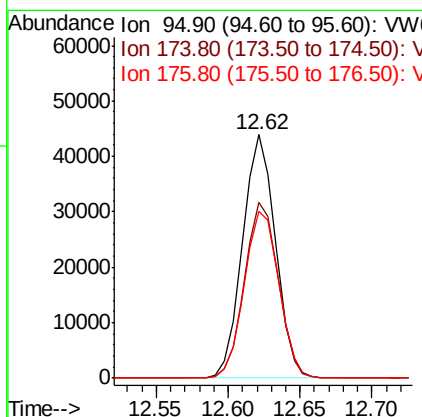
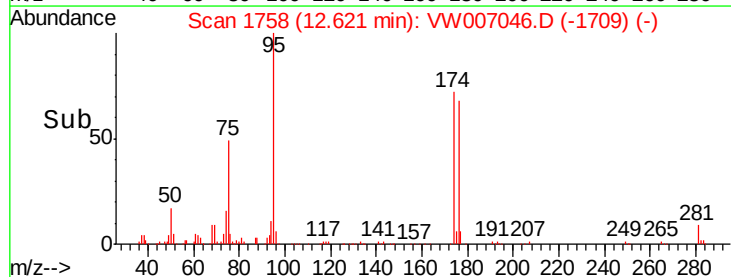
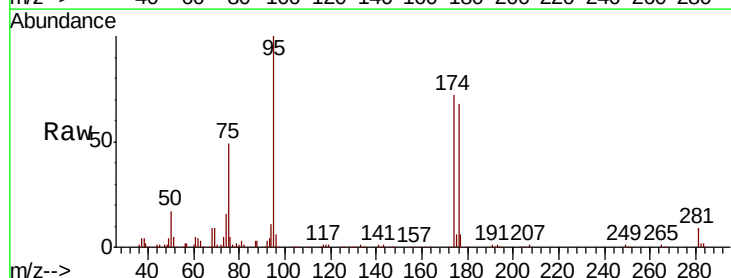
Instrument :
 MSVOA_W
 ClientSampleID :
 VOC-3

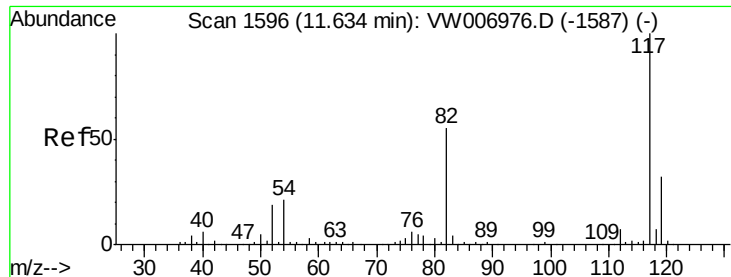
Tot Ion: 43 Resp: 859
 Ion Ratio Lower Upper
 43 100
 58 194.4 31.8 47.6#



#62
 4-Bromofluorobenzene
 Concen: 37.991 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007046.D
 Acq: 26 Nov 2018 14:43

Tgt Ion: 95 Resp: 69493
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 143.6
 176 71.9 0.0 140.4

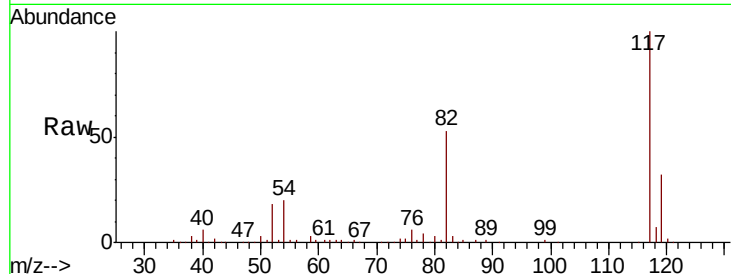




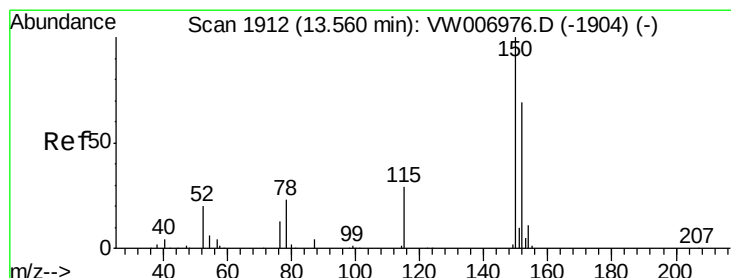
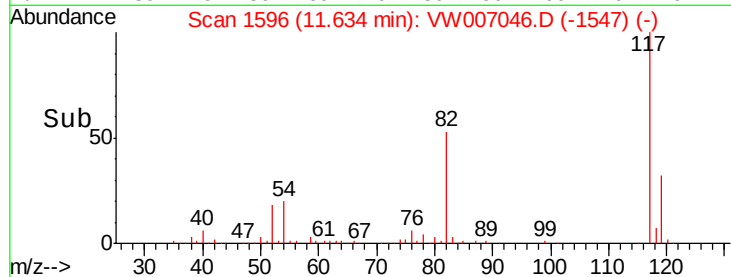
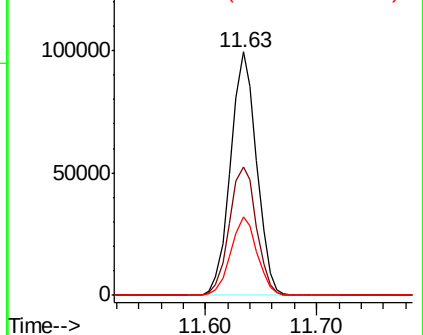
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007046.D
Acq: 26 Nov 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
VOC-3

Tot Ion:117 Resp: 161142
Ion Ratio Lower Upper
117 100
82 53.0 44.2 66.2
119 32.4 25.9 38.9

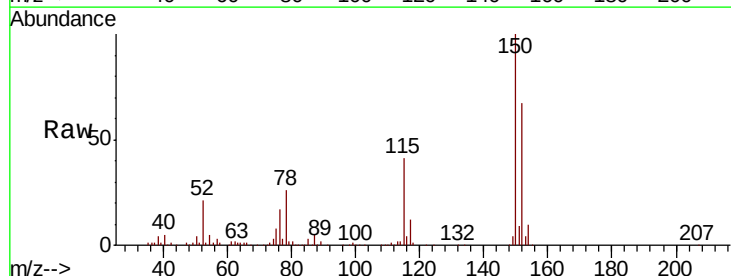


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

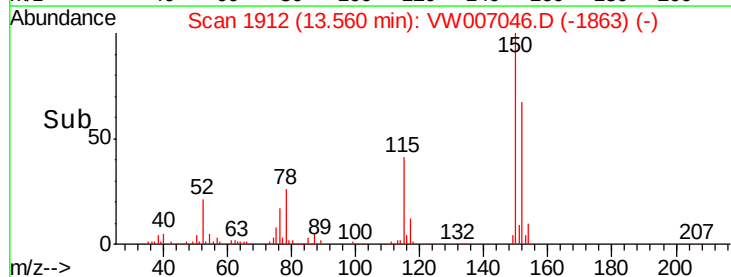
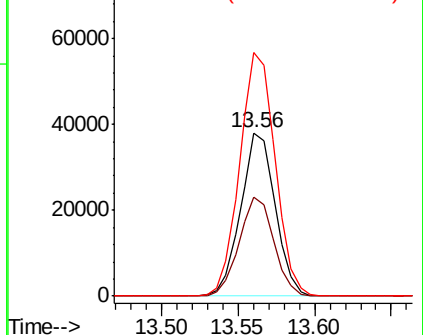


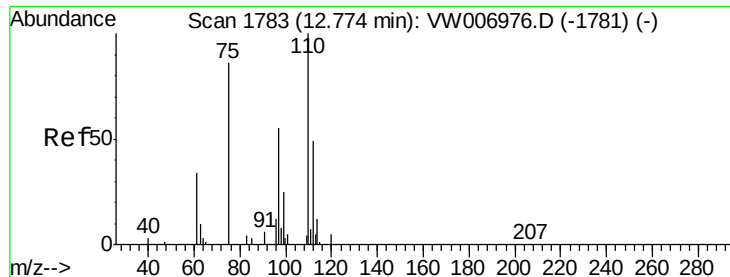
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007046.D
Acq: 26 Nov 2018 14:43

Tgt Ion:152 Resp: 59455
Ion Ratio Lower Upper
152 100
115 60.8 31.4 94.2
150 153.0 0.0 353.4



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: 72.807 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007046.D

Acq: 26 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

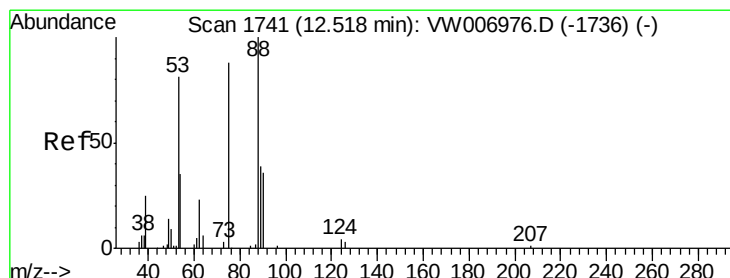
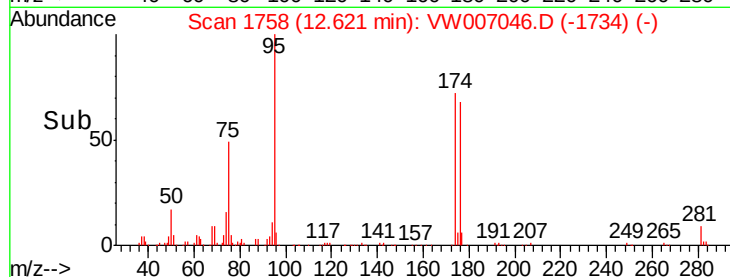
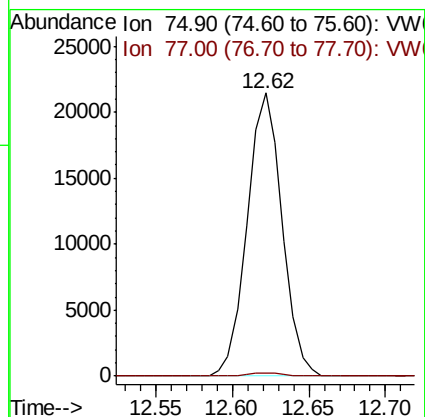
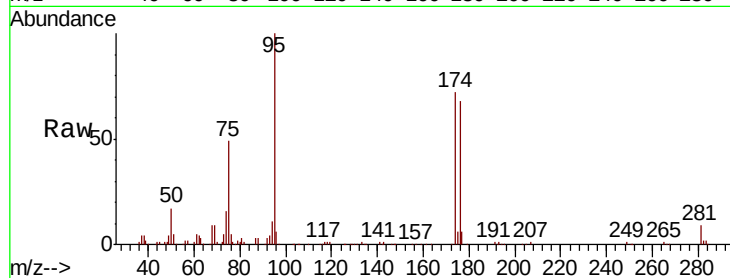
VOC-3

Tot Ion: 75 Resp: 34015

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 182.789 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007046.D

Acq: 26 Nov 2018 14:43

Tgt Ion: 75 Resp: 34015

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 39.3 58.9#

