

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021519\
 Data File : VW008715.D
 Acq On : 16 Feb 2019 06:37
 Operator : SY/VA
 Sample : K1508-15
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 M-13-D

Quant Time: Feb 18 08:00:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	348769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	528779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	464066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	230206	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	188281	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
35) Dibromofluoromethane	7.88	113	164979	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
50) Toluene-d8	10.32	98	629977	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.62	95	221882	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	

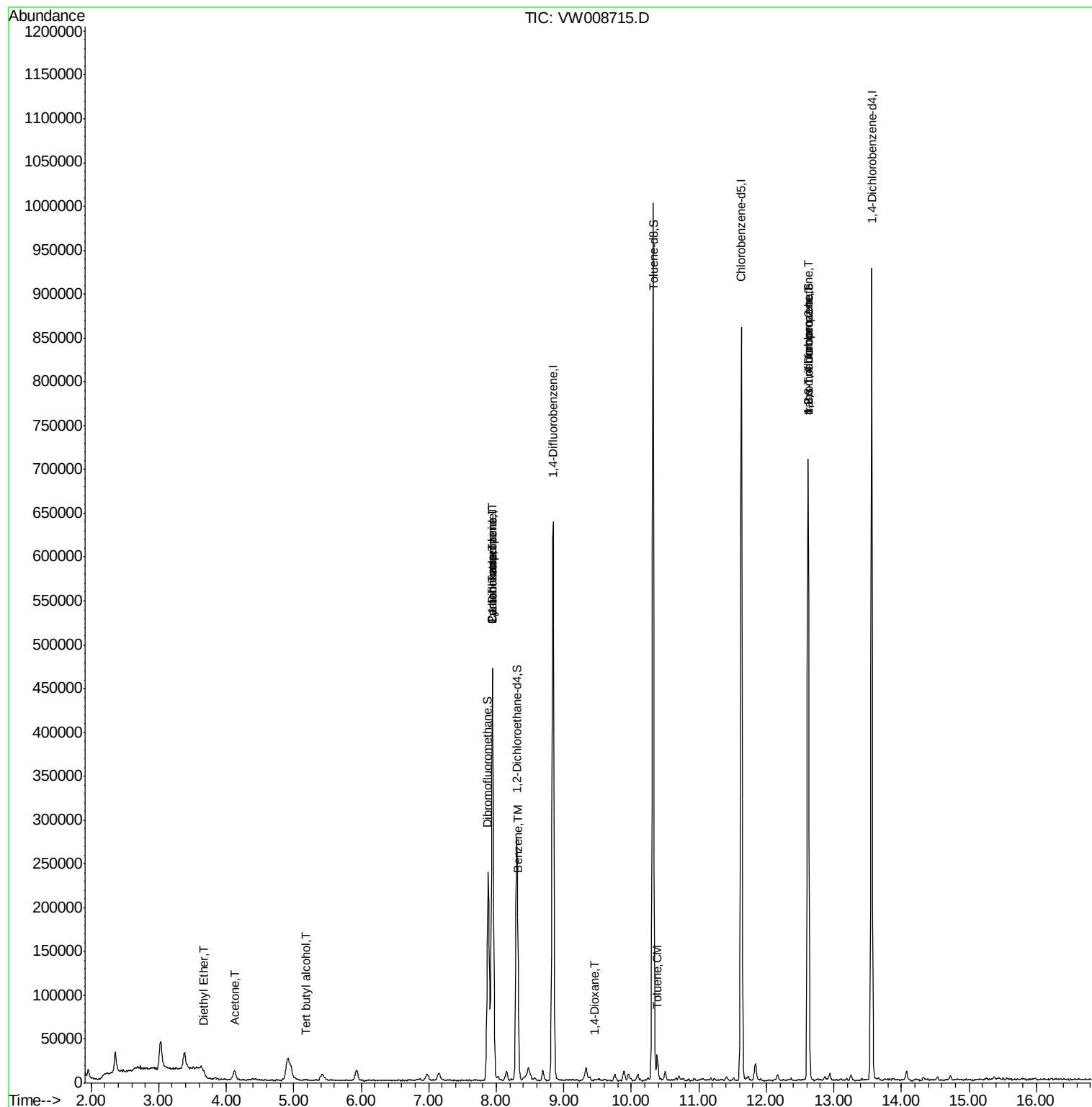
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	3338	1.698	ug/l	83
11) Tert butyl alcohol	5.18	59	921	3.175	ug/l #	73
16) Acetone	4.13	43	19880	24.094	ug/l	93
20) Methylene Chloride	4.90	84	8386	Below Cal		88
31) Cyclohexane	7.95	56	12234	1.845	ug/l #	48
36) 1,1-Dichloropropene	7.94	75	25717	4.841	ug/l #	50
38) Carbon Tetrachloride	7.95	117	32465	6.146	ug/l #	18
40) Benzene	8.32	78	41547	2.864	ug/l	98
49) 1,4-Dioxane	9.46	88	48	1.520	ug/l #	14
52) Toluene	10.38	92	12022	1.284	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	113221	49.808	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	113221	106.801	ug/l #	6

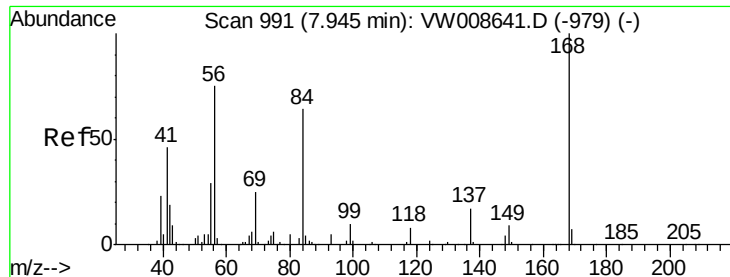
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW021519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008715.D

Acq: 16 Feb 2019 06:37

Instrument :

MSVOA_W

ClientSampled :

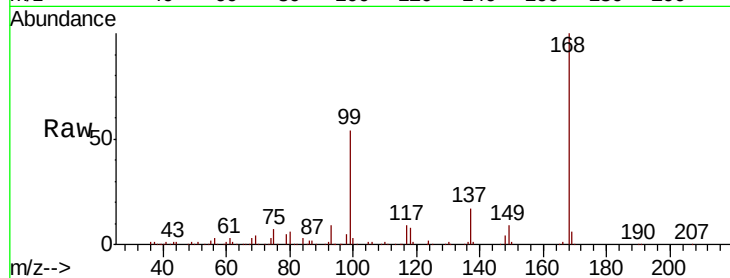
M-13-D

Tgt Ion:168 Resp: 348769

Ion Ratio Lower Upper

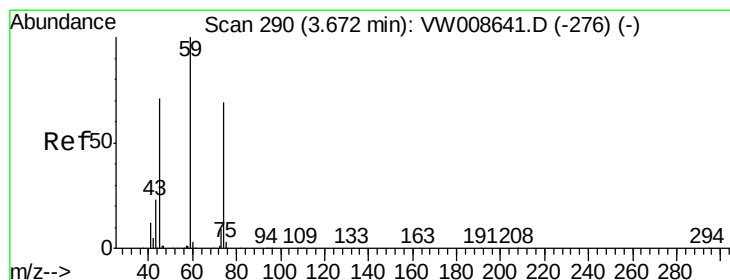
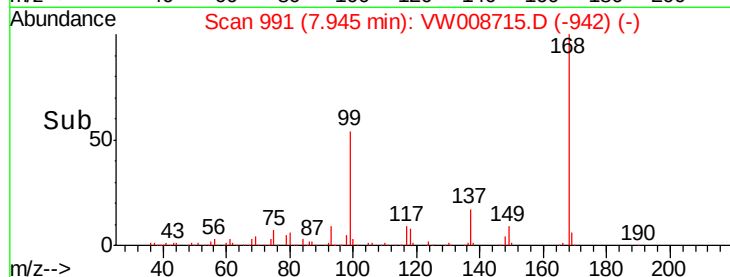
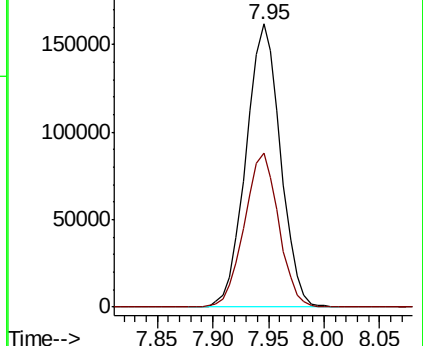
168 100

99 54.4 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.698 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VW008715.D

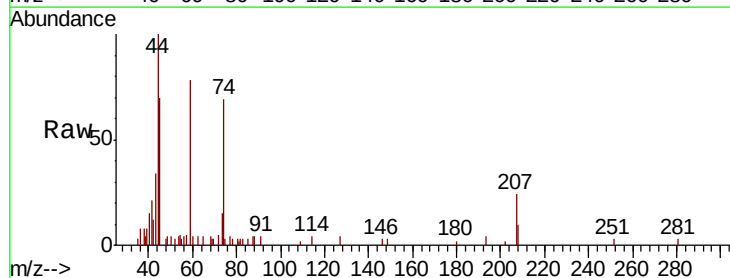
Acq: 16 Feb 2019 06:37

Tgt Ion: 74 Resp: 3338

Ion Ratio Lower Upper

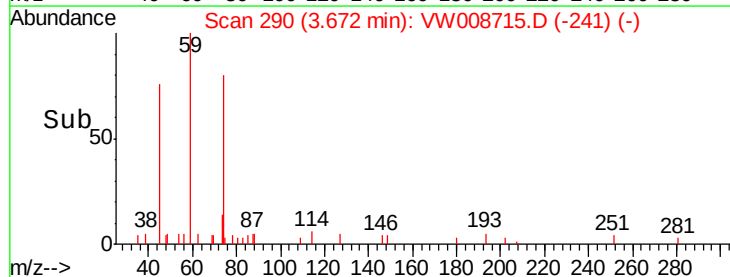
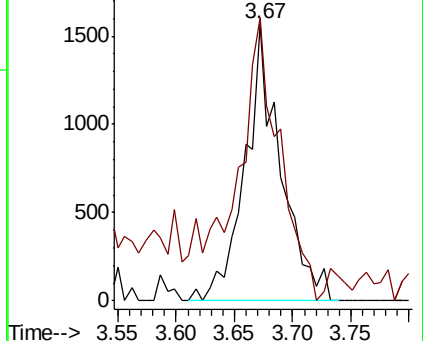
74 100

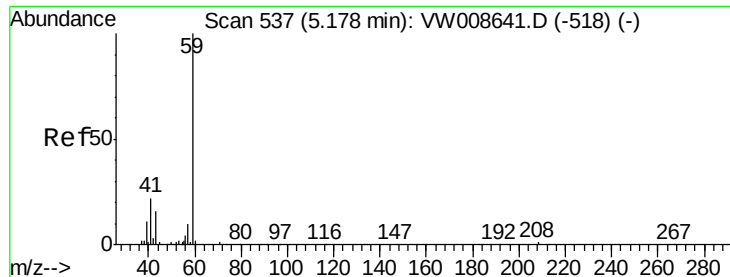
45 117.0 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

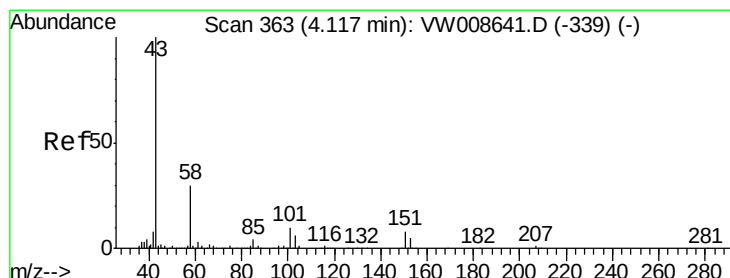
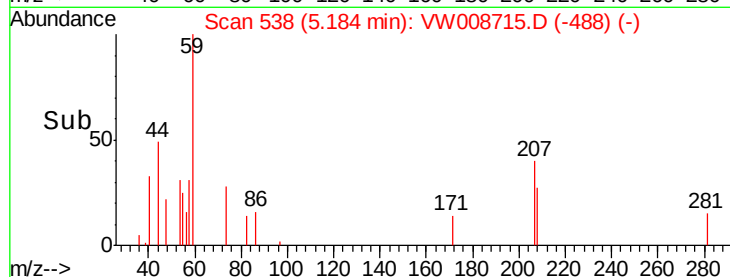
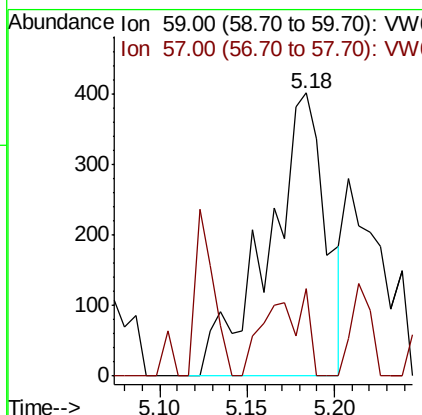
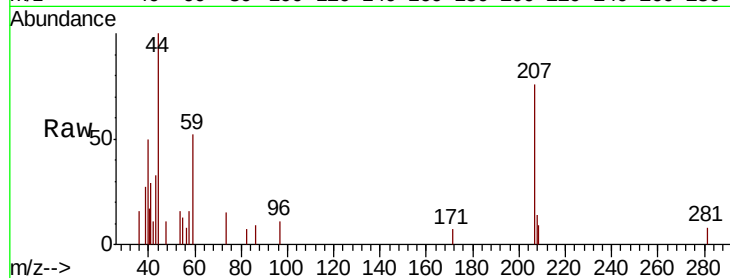




#11
Tert butyl alcohol
Concen: 3.175 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW008715.D
Acq: 16 Feb 2019 06:37

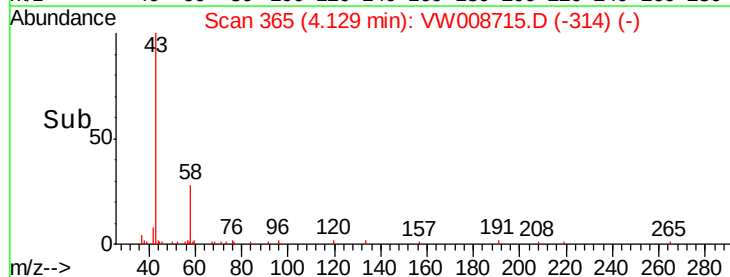
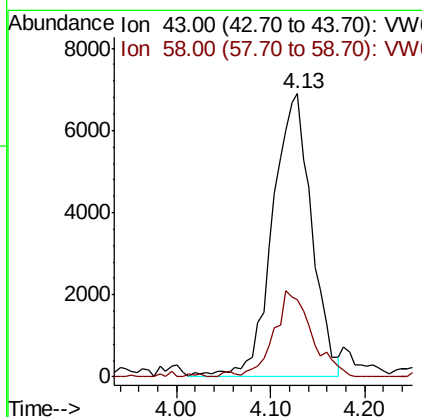
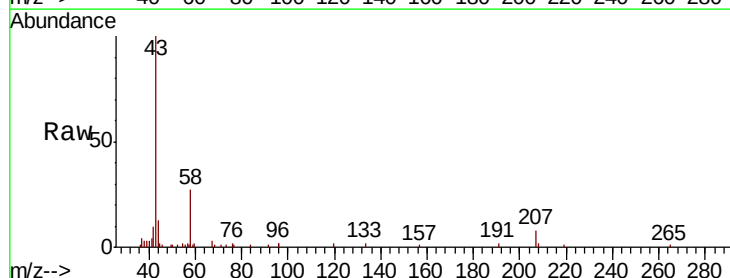
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MSVOA_W
ClientSampled :
M-13-D

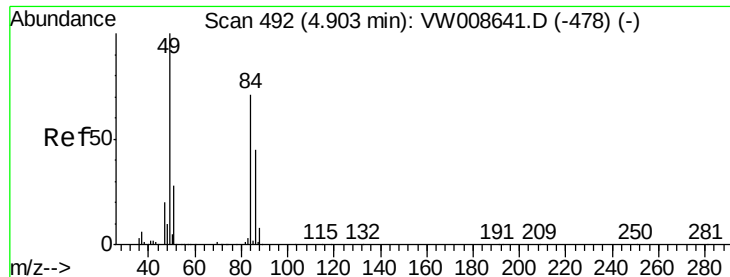
Tgt Ion: 59 Resp: 921
Ion Ratio Lower Upper
59 100
57 20.6 8.3 12.5#



#16
Acetone
Concen: 24.094 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008715.D
Acq: 16 Feb 2019 06:37

Tgt Ion: 43 Resp: 19880
Ion Ratio Lower Upper
43 100
58 26.1 24.1 36.1

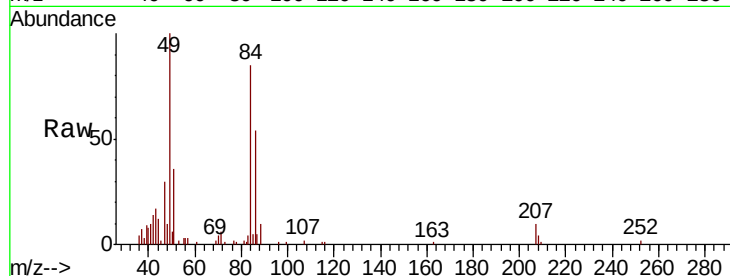




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008715.D
Acq: 16 Feb 2019 06:37

Instrument :
MSVOA_W
ClientSampleId :
M-13-D

Tgt Ion:	84	Resp:	8386
Ion	Ratio	Lower	Upper
84	100		
49	118.0	113.3	169.9
51	42.0	32.1	48.1
86	63.7	50.9	76.3



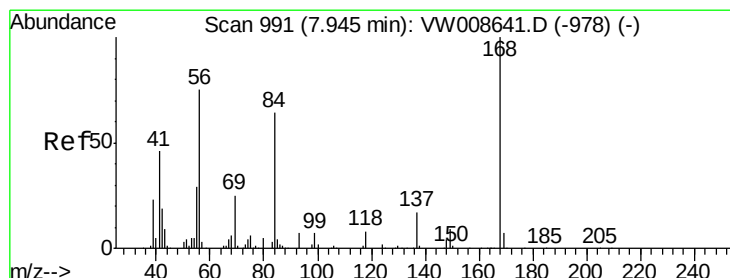
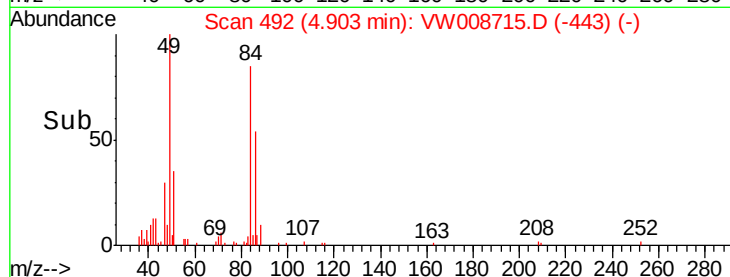
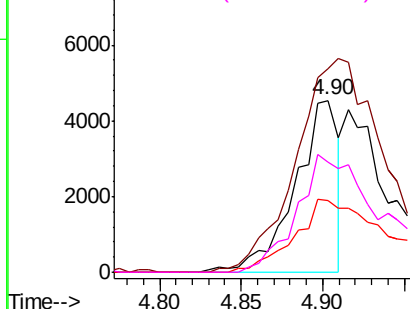
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

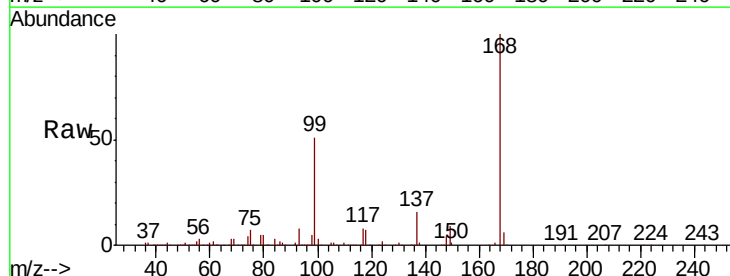
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#31
Cyclohexane
Concen: 1.845 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.01 min
Lab File: VW008715.D
Acq: 16 Feb 2019 06:37

Tgt Ion:	56	Resp:	12234
Ion	Ratio	Lower	Upper
56	100		
69	105.0	26.4	39.6#
84	104.5	67.4	101.2#

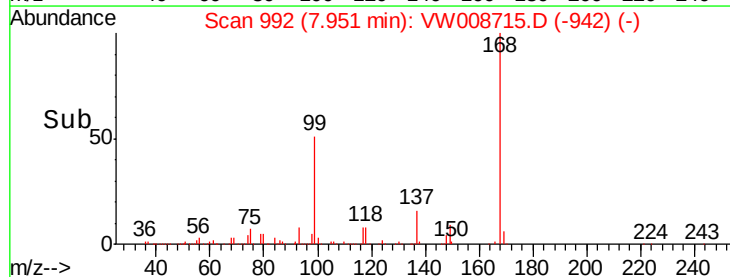
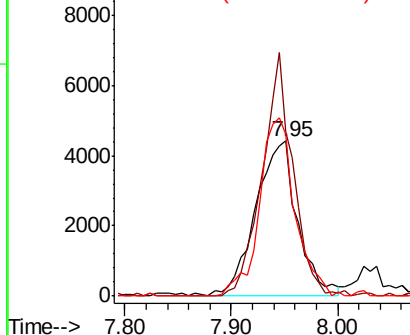


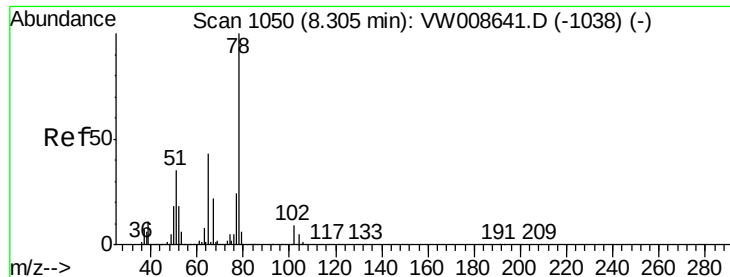
Abundance

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

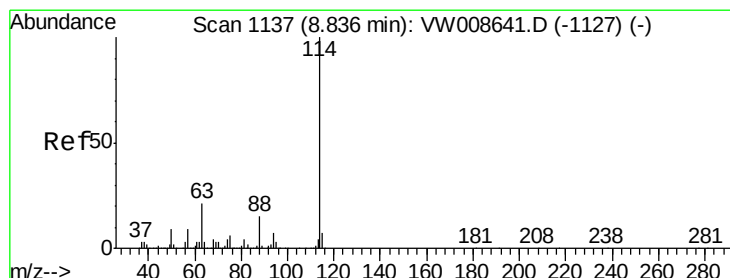
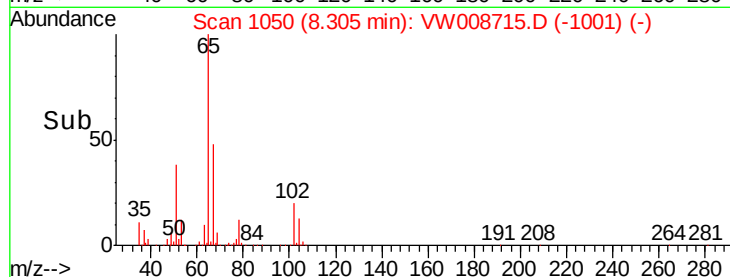
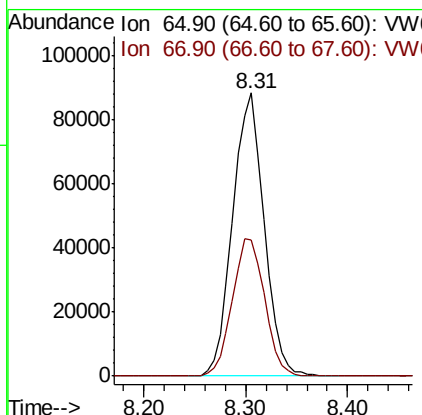
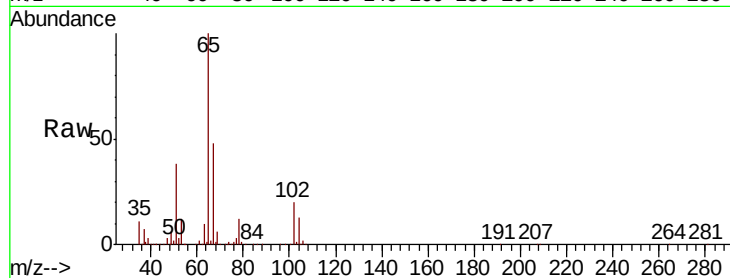




#33
 1,2-Dichloroethane-d4
 Concen: 51.926 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008715.D
 Acq: 16 Feb 2019 06:37

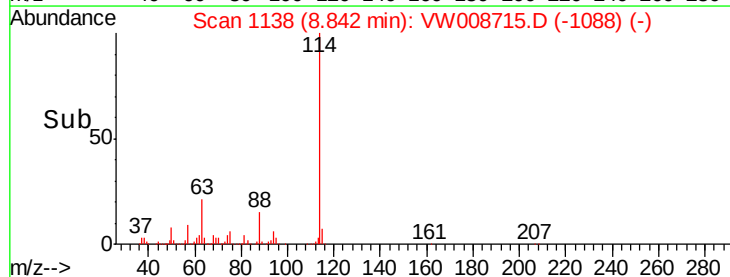
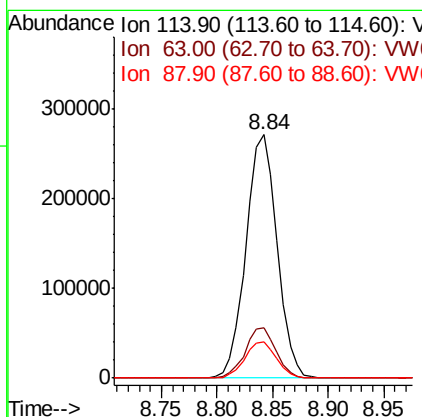
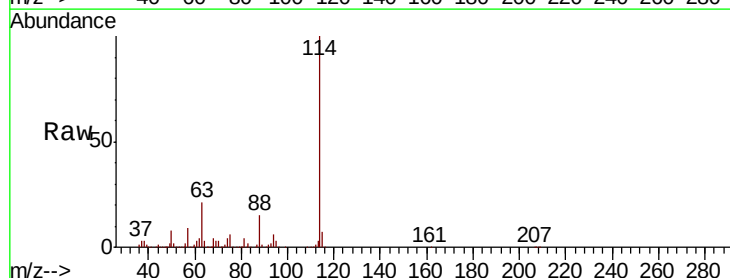
Instrument :
 MSVOA_W
 ClientSampleId :
 M-13-D

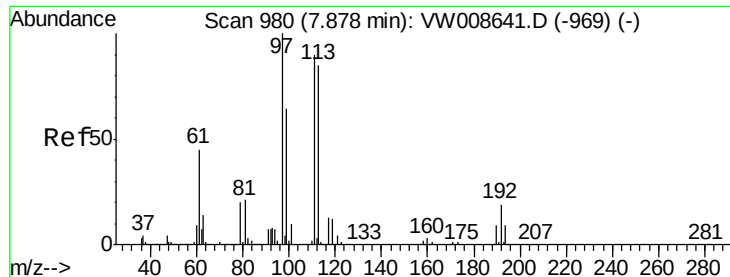
Tgt Ion: 65 Resp: 188281
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008715.D
 Acq: 16 Feb 2019 06:37

Tgt Ion: 114 Resp: 528779
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.2
 88 15.0 0.0 29.6

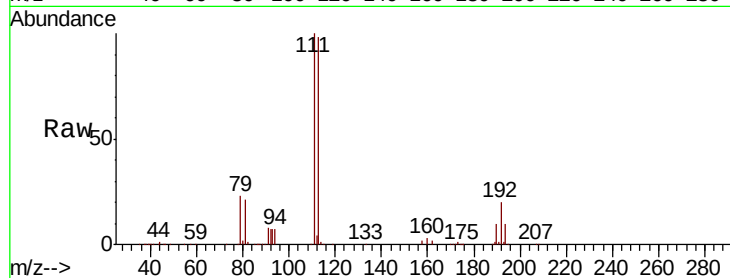




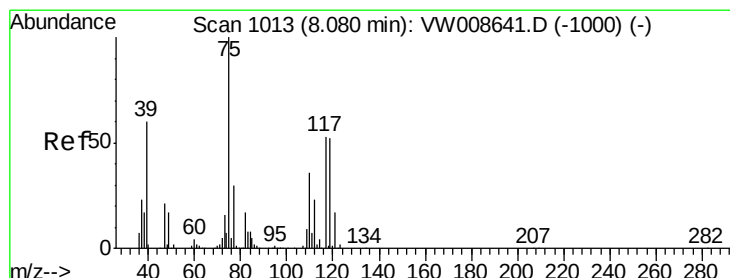
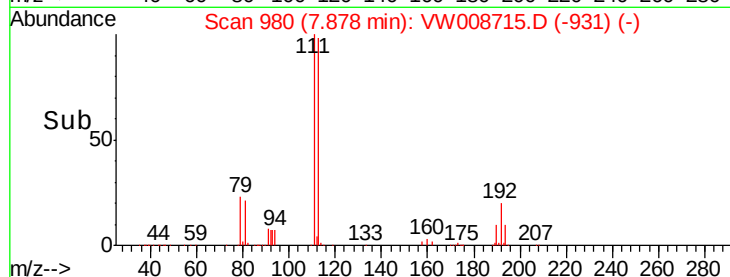
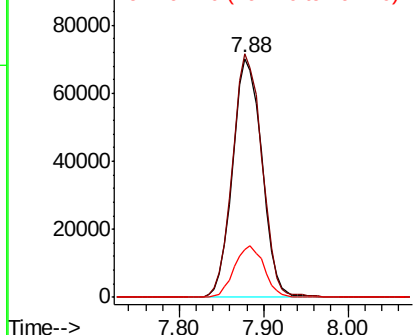
#35
 Dibromofluoromethane
 Concen: 50.247 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW008715.D
 Acq: 16 Feb 2019 06:37

Instrument :
 MSVOA_W
 ClientSampleId :
 M-13-D

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	84.0	126.0
192	21.8	17.4	26.2

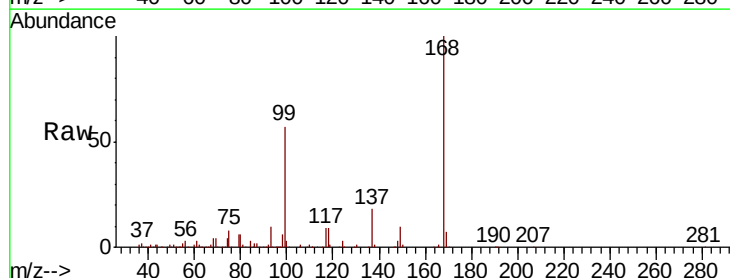


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

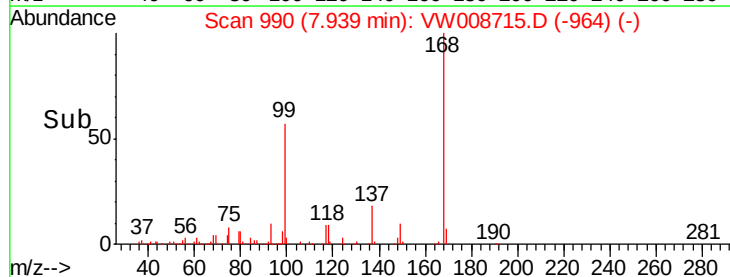
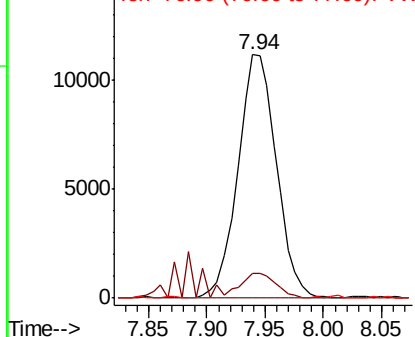


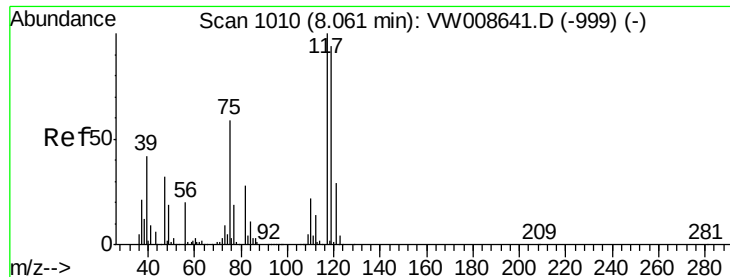
#36
 1,1-Dichloropropene
 Concen: 4.841 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008715.D
 Acq: 16 Feb 2019 06:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.8	53.3#
77	0.0	24.7	37.1#



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

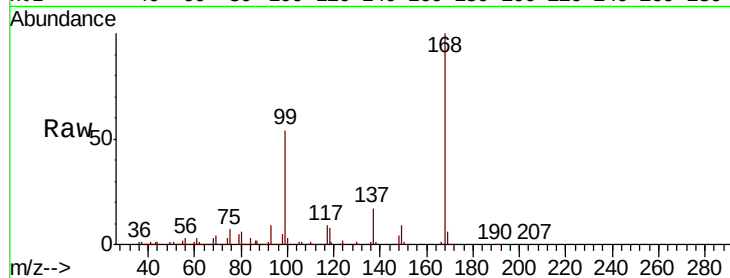




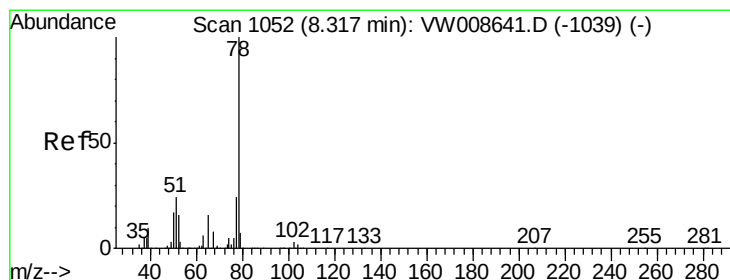
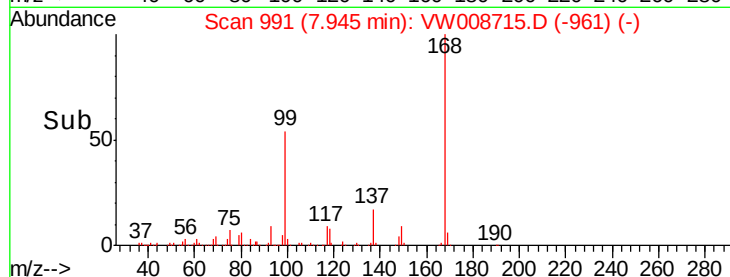
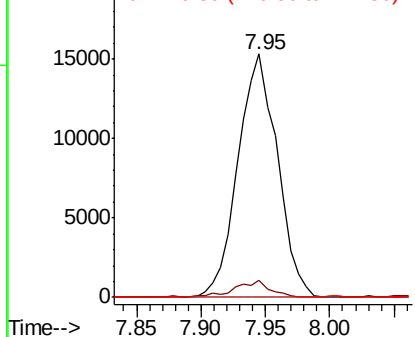
#38
Carbon Tetrachloride
Concen: 6.146 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008715.D
Acq: 16 Feb 2019 06:37

Instrument :
MSVOA_W
ClientSampleId :
M-13-D

Tgt Ion:117 Resp: 32465
Ion Ratio Lower Upper
117 100
119 7.2 75.1 112.7#
121 0.0 23.5 35.3#

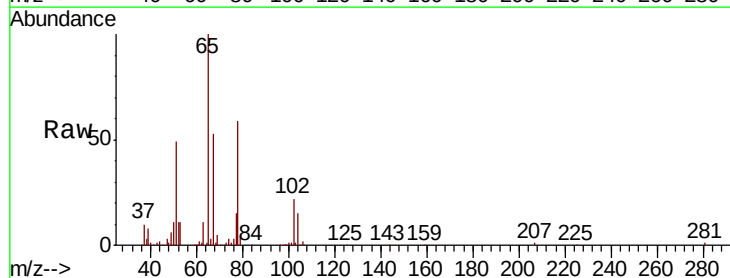


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

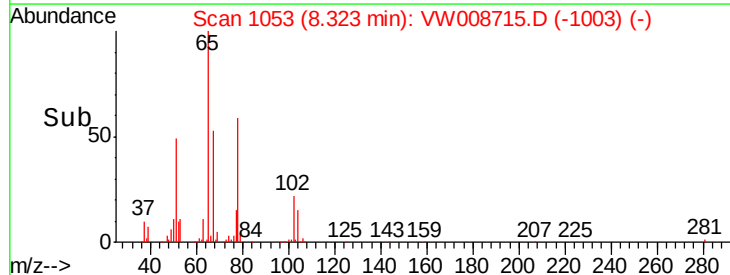
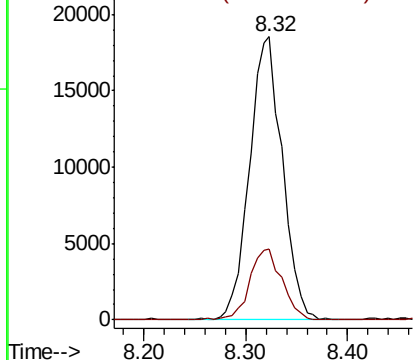


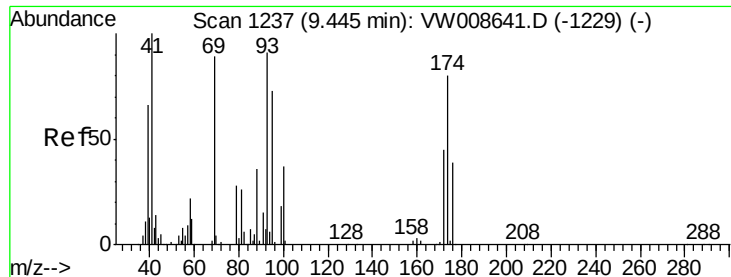
#40
Benzene
Concen: 2.864 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW008715.D
Acq: 16 Feb 2019 06:37

Tgt Ion: 78 Resp: 41547
Ion Ratio Lower Upper
78 100
77 25.2 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

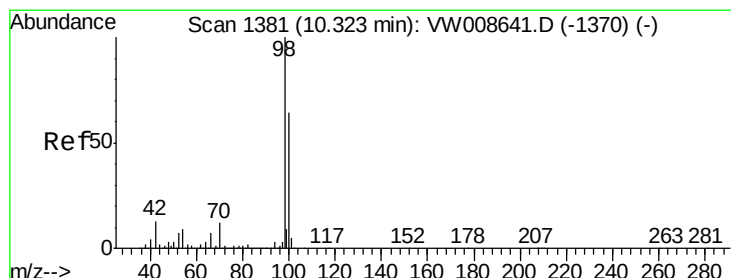
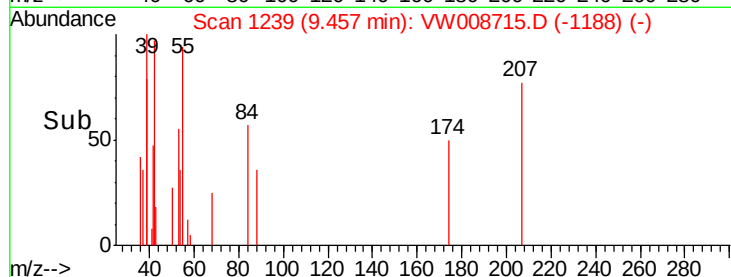
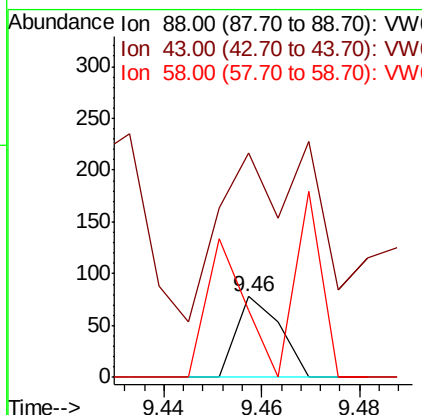
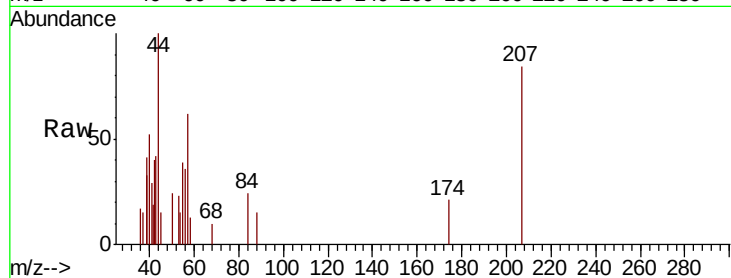




#49
1,4-Dioxane
Concen: 1.520 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008715.D
Acq: 16 Feb 2019 06:37

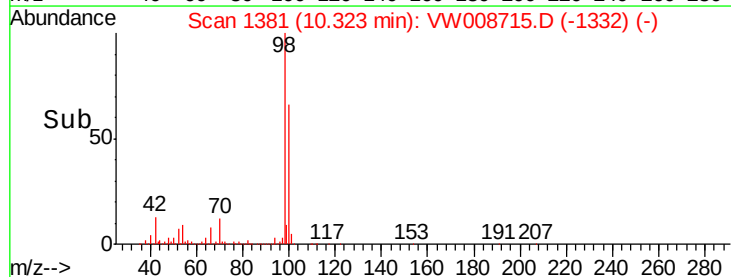
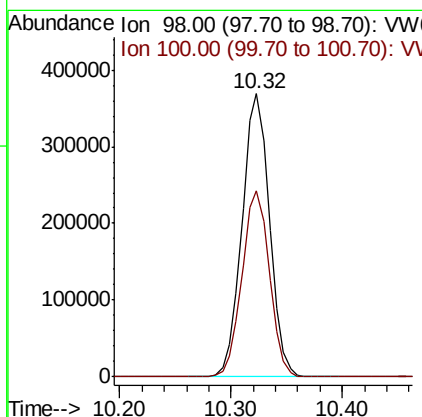
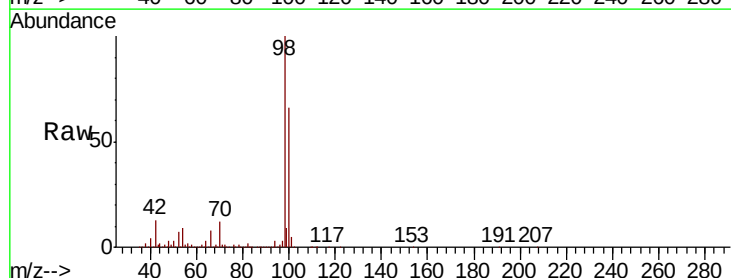
Instrument :
MSVOA_W
ClientSampleId :
M-13-D

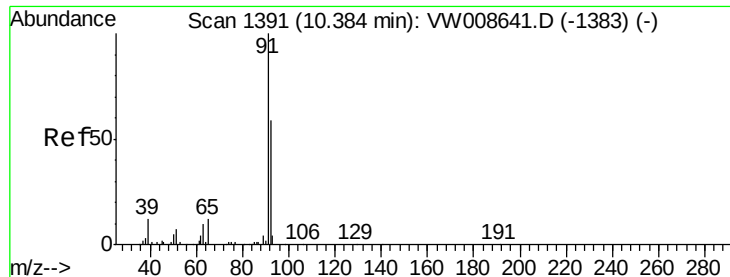
Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.6#
58 152.1 57.0 85.6#



#50
Toluene-d8
Concen: 49.773 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008715.D
Acq: 16 Feb 2019 06:37

Tgt Ion: 98 Resp: 629977
Ion Ratio Lower Upper
98 100
100 66.0 52.2 78.4





#52

Toluene

Concen: 1.284 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW008715.D

Acq: 16 Feb 2019 06:37

Instrument :

MSVOA_W

ClientSampled :

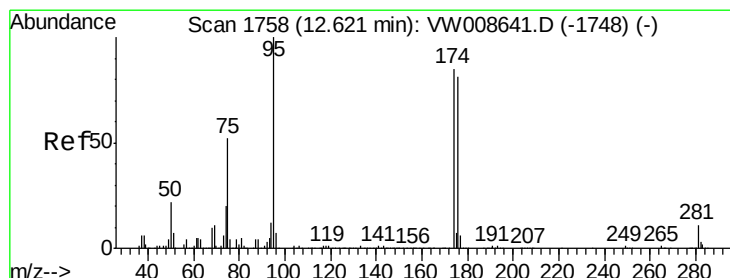
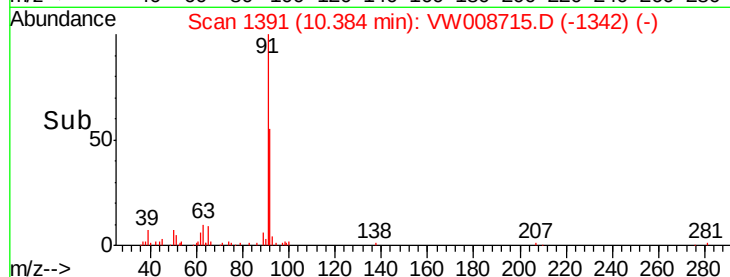
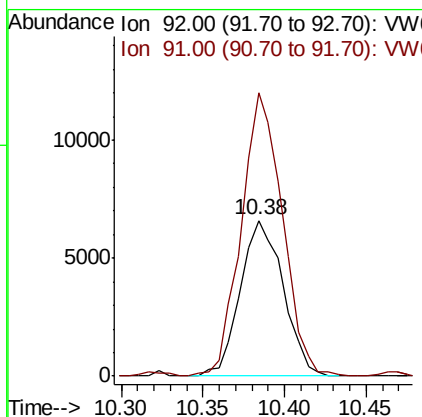
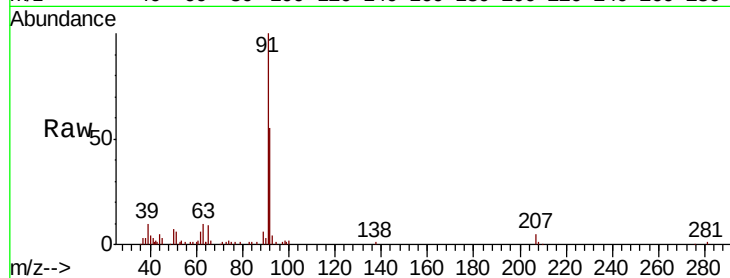
M-13-D

Tgt Ion: 92 Resp: 12022

Ion Ratio Lower Upper

92 100

91 175.2 135.8 203.6



#62

4-Bromofluorobenzene

Concen: 46.541 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008715.D

Acq: 16 Feb 2019 06:37

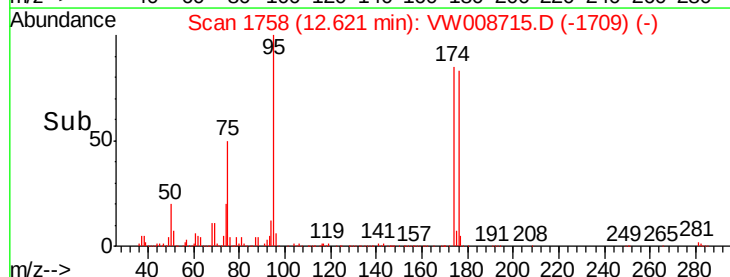
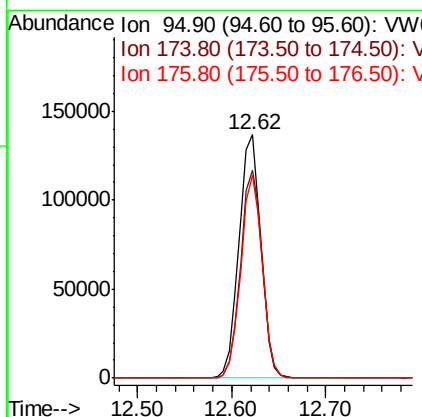
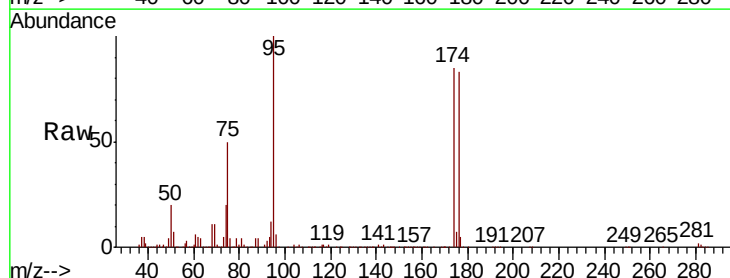
Tgt Ion: 95 Resp: 221882

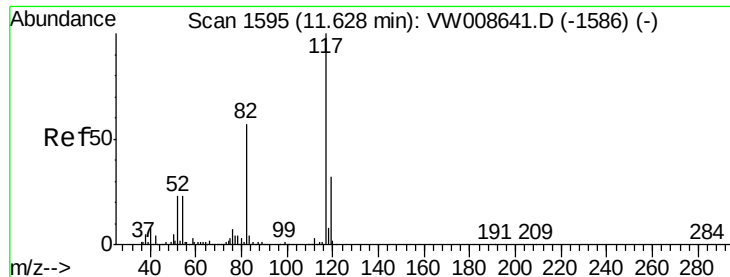
Ion Ratio Lower Upper

95 100

174 84.3 0.0 163.2

176 81.2 0.0 158.0

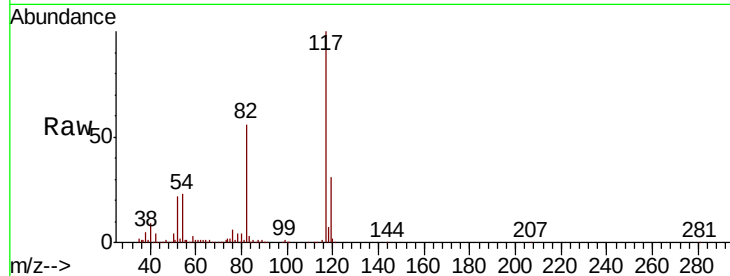




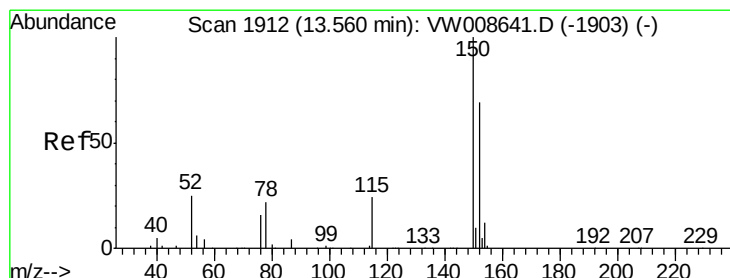
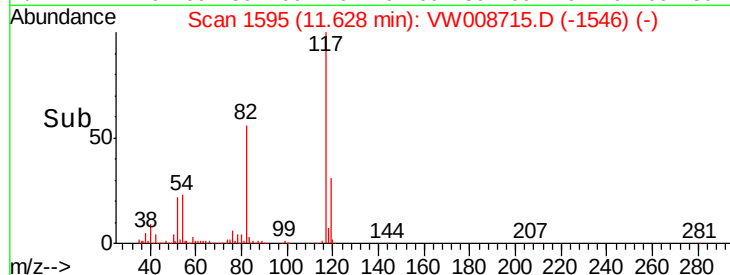
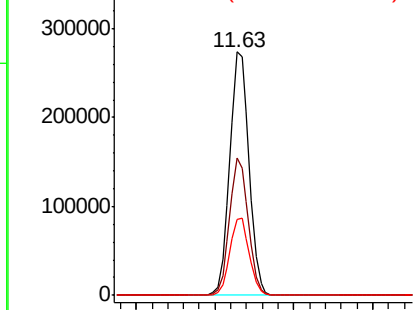
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW008715.D
Acq: 16 Feb 2019 06:37

Instrument :
MSVOA_W
ClientSampleId :
M-13-D

Tgt Ion:117 Resp: 464066
Ion Ratio Lower Upper
117 100
82 56.4 45.6 68.4
119 31.2 25.7 38.5

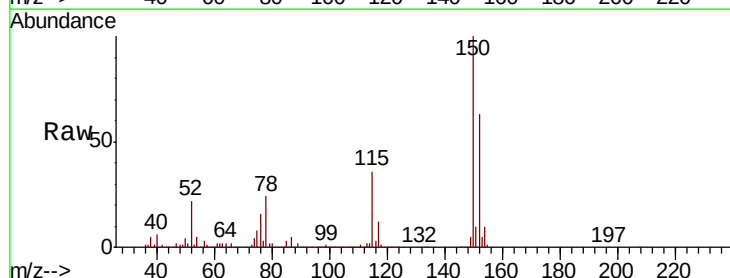


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

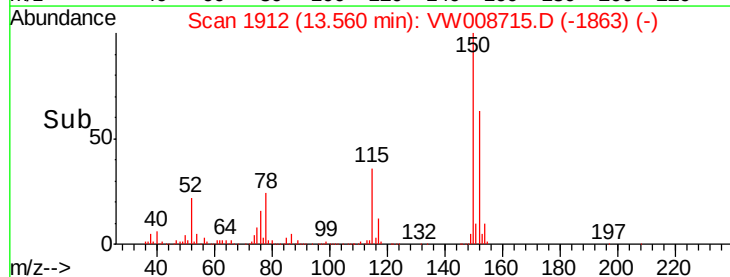
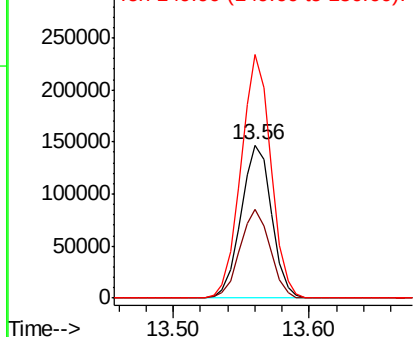


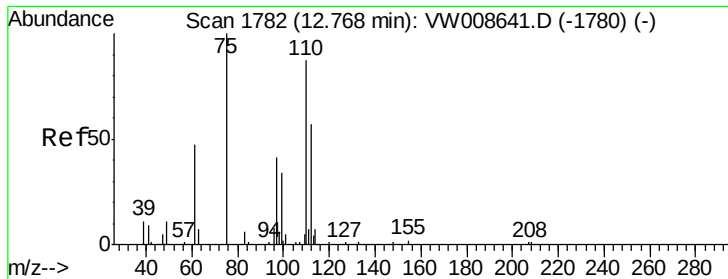
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008715.D
Acq: 16 Feb 2019 06:37

Tgt Ion:152 Resp: 230206
Ion Ratio Lower Upper
152 100
115 57.2 29.3 87.8
150 156.3 0.0 352.8



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: 49.808 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008715.D

Acq: 16 Feb 2019 06:37

Instrument :

MSVOA_W

ClientSampleId :

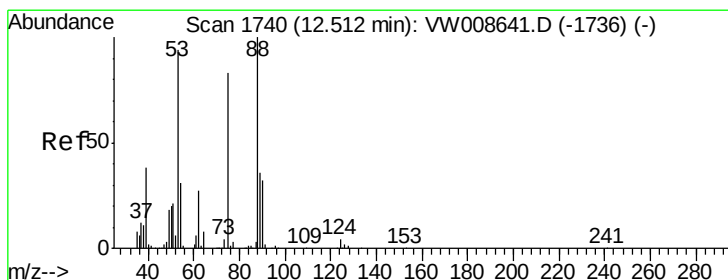
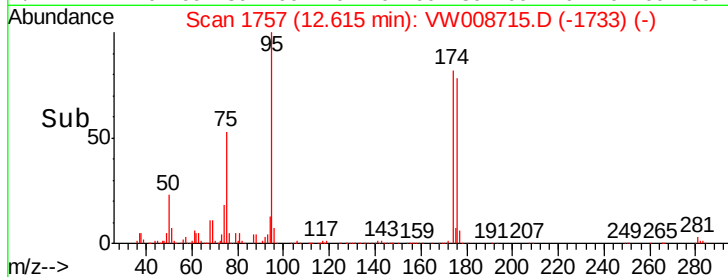
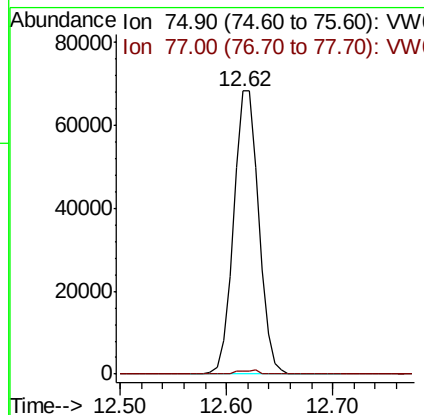
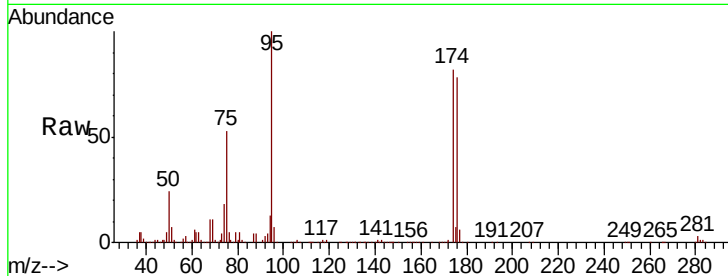
M-13-D

Tgt Ion: 75 Resp: 113221

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 106.801 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008715.D

Acq: 16 Feb 2019 06:37

Tgt Ion: 75 Resp: 113221

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.0#

89 0.0 37.0 55.4#

