

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008852.D
 Acq On : 27 Feb 2019 14:08
 Operator : SY/VA
 Sample : K1627-04RE
 Misc : 5.38G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 28 07:01:56 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	366640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	567346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	484139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	199865	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	198862	57.83	ug/l	0.00
Spiked Amount			Recovery	=	115.66%	
35) Dibromofluoromethane	7.88	113	168237	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	10.32	98	663217	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.62	95	212789	41.33	ug/l	0.00
Spiked Amount			Recovery	=	82.66%	

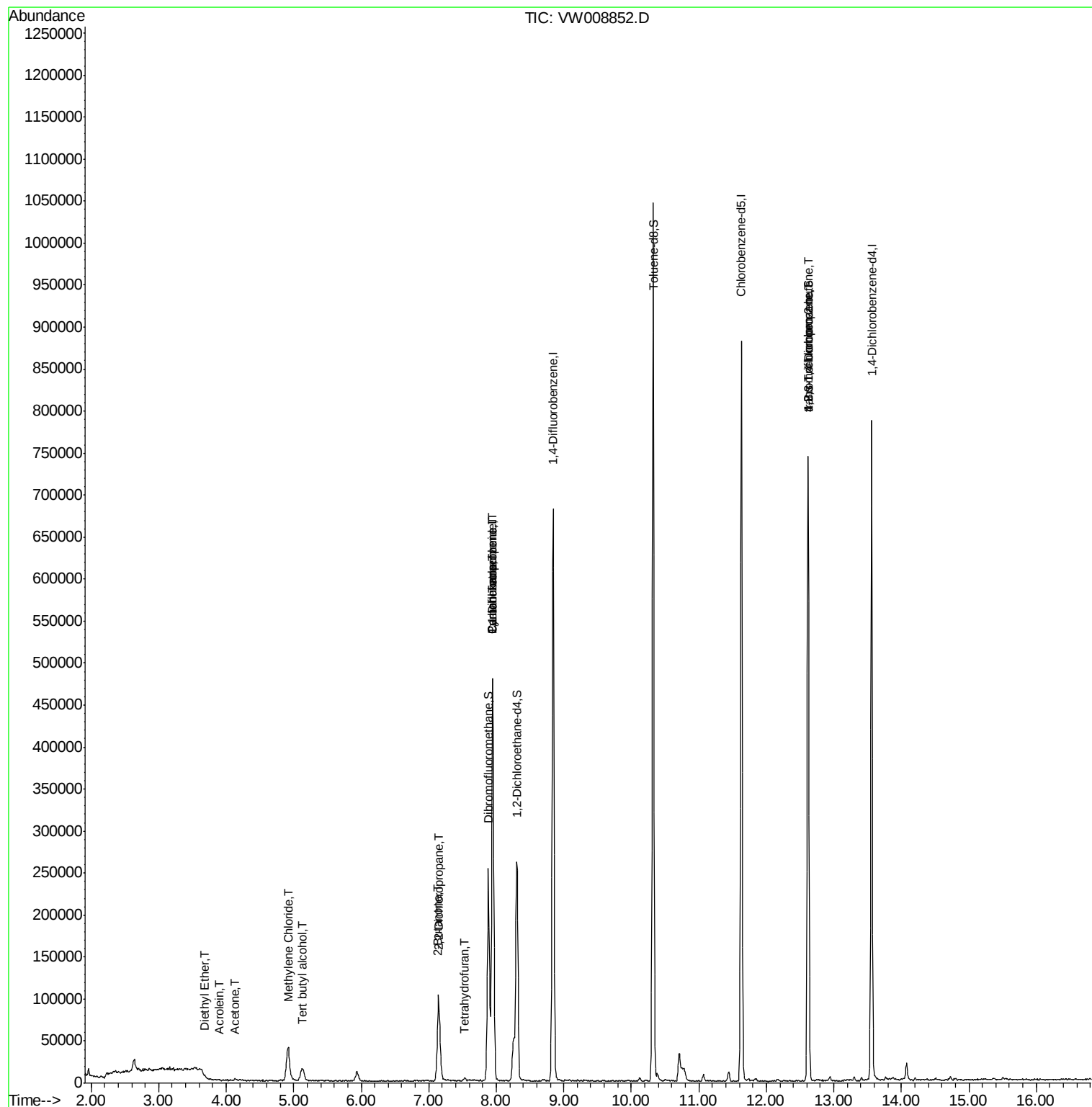
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	1983	1.046	ug/l	79
11) Tert butyl alcohol	5.13	59	14471	47.269	ug/l #	74
13) Acrolein	3.88	56	99	20.062	ug/l #	1
16) Acetone	4.13	43	4164	5.224	ug/l	92
20) Methylene Chloride	4.92	84	31451	3.231	ug/l	88
25) 2-Butanone	7.13	43	6881	6.175	ug/l #	70
26) 2,2-Dichloropropane	7.14	77	6931	1.192	ug/l #	54
29) Tetrahydrofuran	7.52	42	2860	4.027	ug/l	94
31) Cyclohexane	7.95	56	8503	1.312	ug/l #	32
36) 1,1-Dichloropropene	7.95	75	28166	5.100	ug/l #	51
38) Carbon Tetrachloride	7.95	117	35688	6.127	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	110391	66.897	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	110391	162.633	ug/l #	6

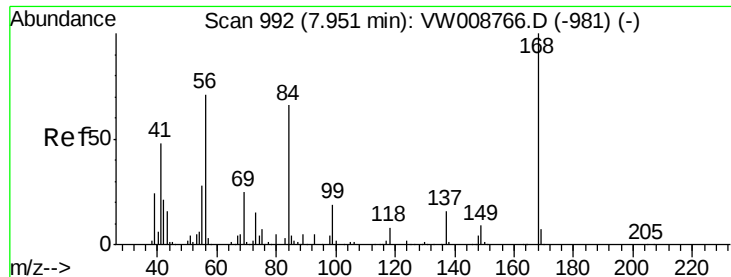
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
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: VW008852.D

Acq: 27 Feb 2019 14:08

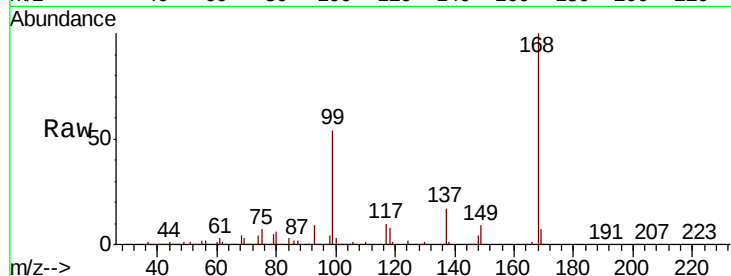
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 366640

Ion Ratio Lower Upper

168 100

99 54.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

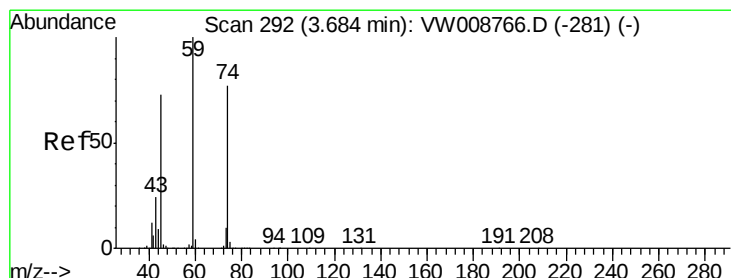
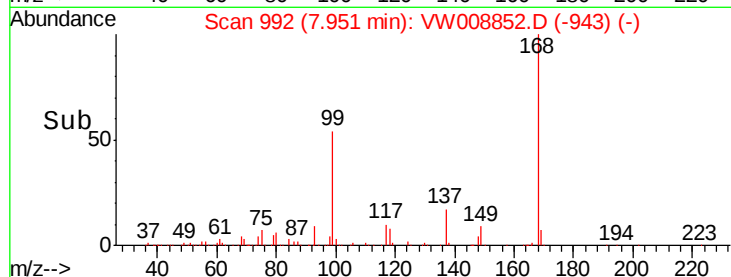
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.046 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW008852.D

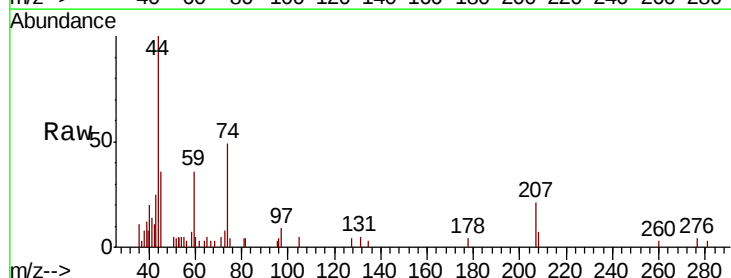
Acq: 27 Feb 2019 14:08

Tgt Ion: 74 Resp: 1983

Ion Ratio Lower Upper

74 100

45 79.8 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.69

1000

800

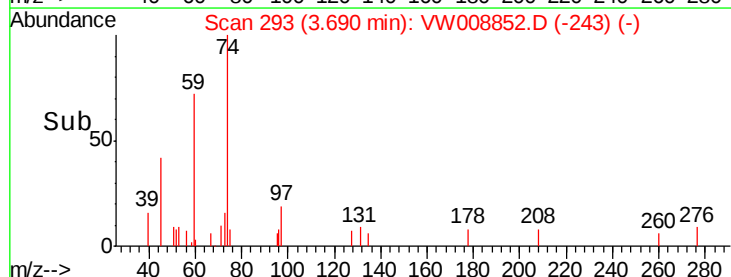
600

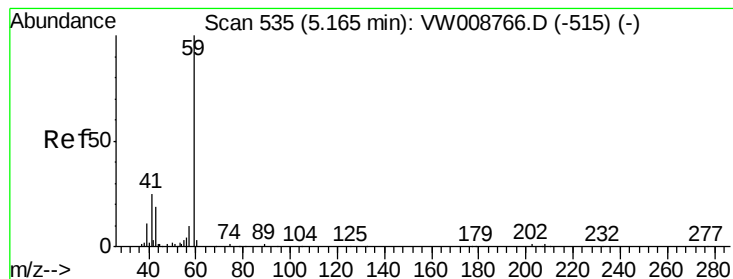
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200

0

Time-->



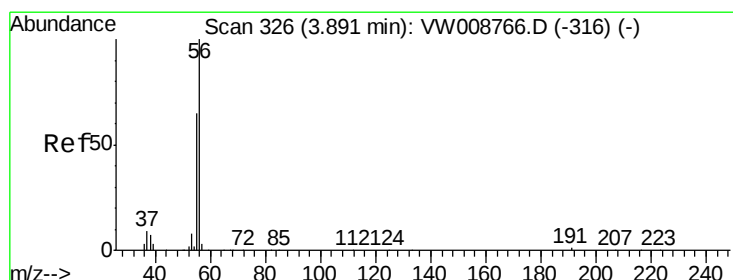
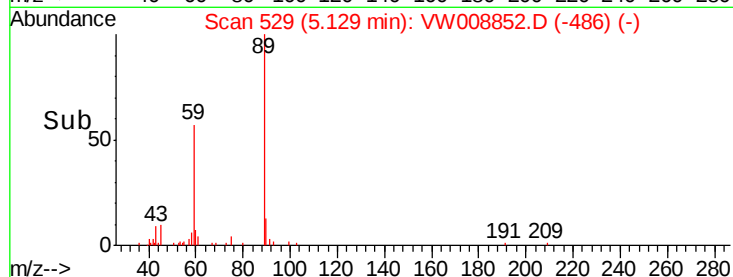
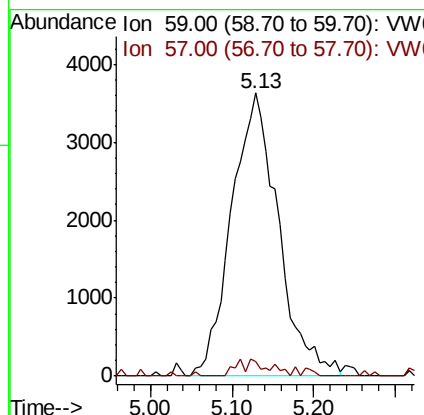
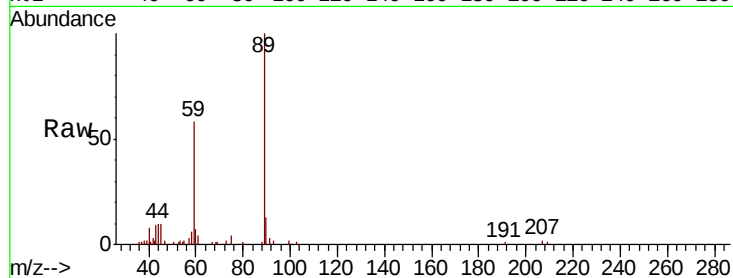


#11

Tert butyl alcohol
 Concen: 47.269 ug/l
 RT: 5.13 min Scan# 529
 Delta R.T. -0.04 min
 Lab File: VW008852.D
 Acq: 27 Feb 2019 14:08

Instrument :
 MSVOA_W
 ClientSampleId :

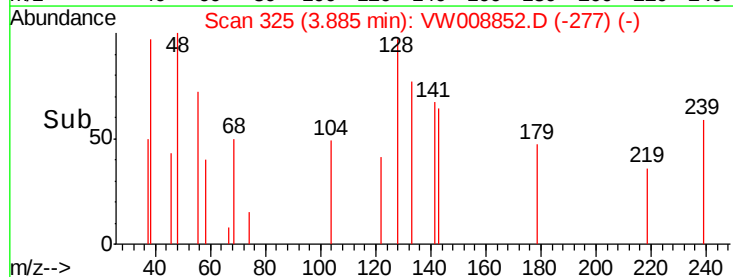
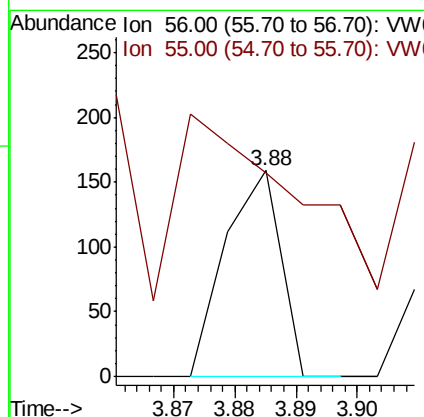
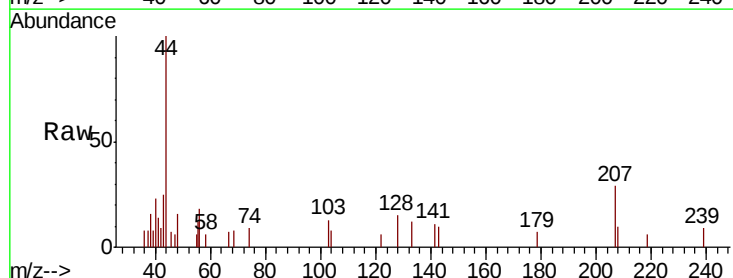
Tot Ion: 59 Resp: 14471
 Ion Ratio Lower Upper
 59 100
 57 1.7 9.3 13.9#

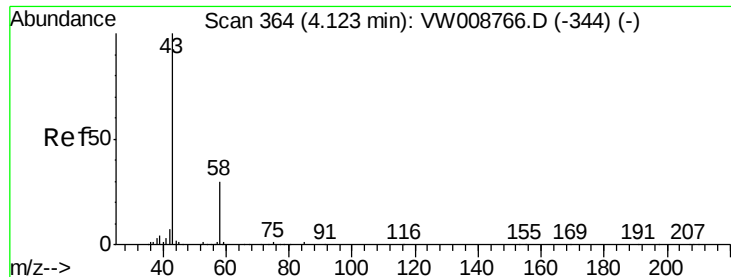


#13

Acrolein
 Concen: 20.062 ug/l
 RT: 3.88 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW008852.D
 Acq: 27 Feb 2019 14:08

Tgt Ion: 56 Resp: 99
 Ion Ratio Lower Upper
 56 100
 55 322.2 56.9 85.3#

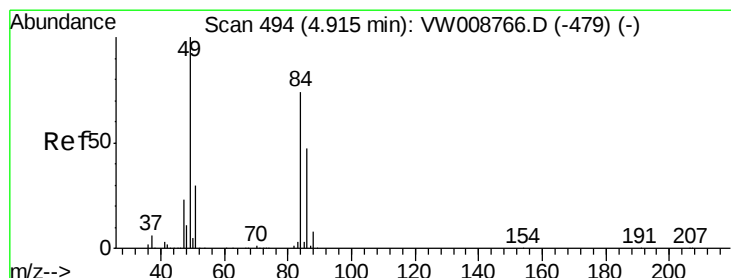
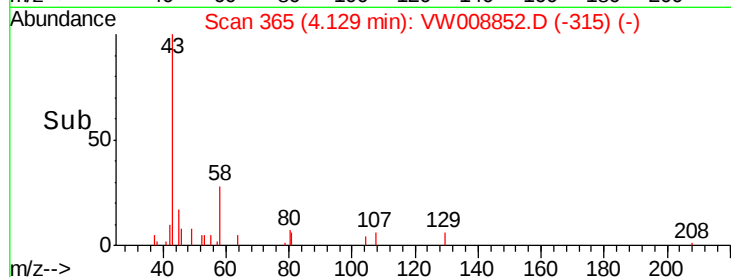
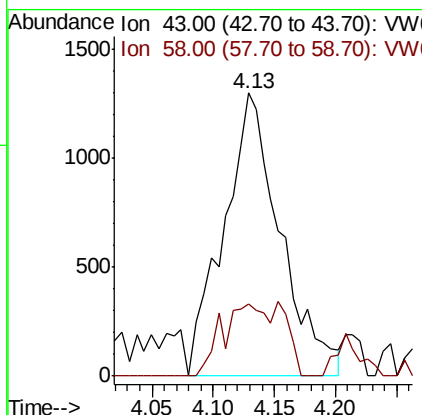
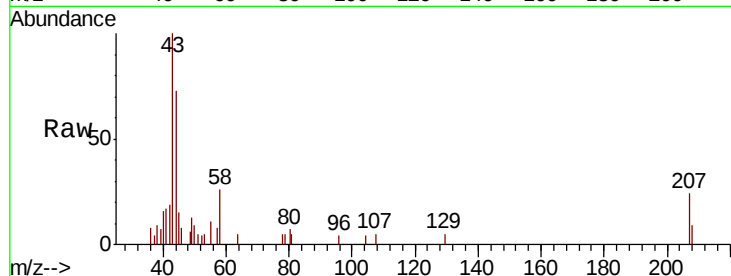




#16
Acetone
Concen: 5.224 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008852.D
Acq: 27 Feb 2019 14:08

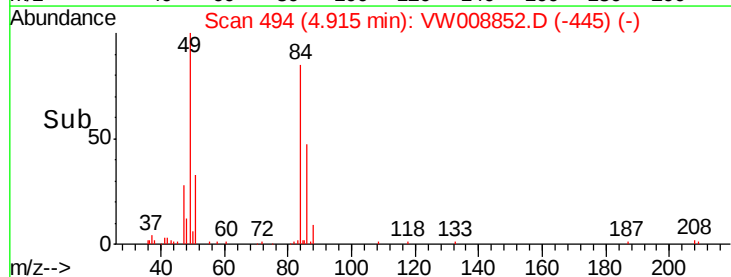
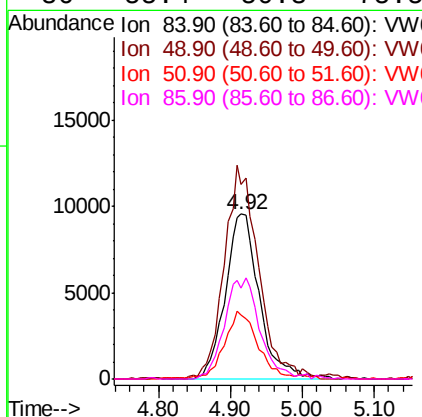
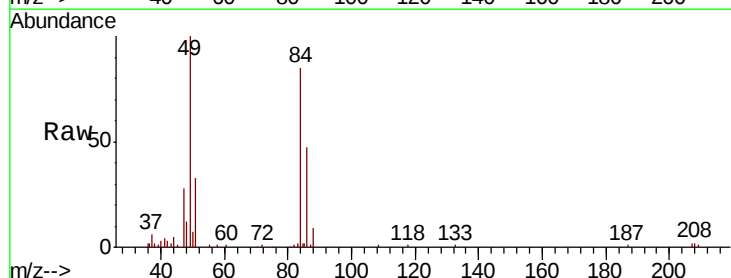
Instrument :
MSVOA_W
ClientSampled :

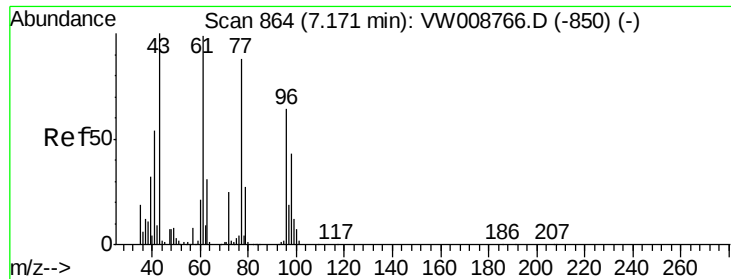
Tot Ion: 43 Resp: 4164
Ion Ratio Lower Upper
43 100
58 25.5 23.8 35.6



#20
Methylene Chloride
Concen: 3.231 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008852.D
Acq: 27 Feb 2019 14:08

Tgt Ion: 84 Resp: 31451
Ion Ratio Lower Upper
84 100
49 116.2 108.2 162.2
51 39.2 32.7 49.1
86 55.4 50.3 75.5





#25

2-Butanone

Concen: 6.175 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW008852.D

Acq: 27 Feb 2019 14:08

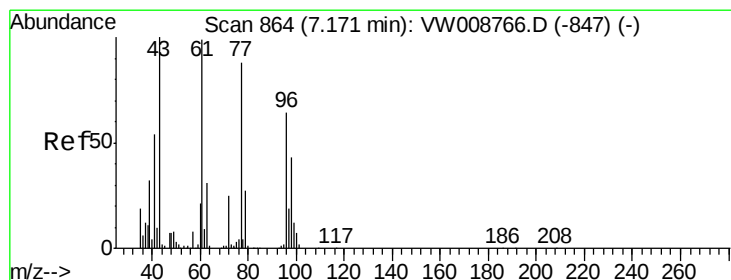
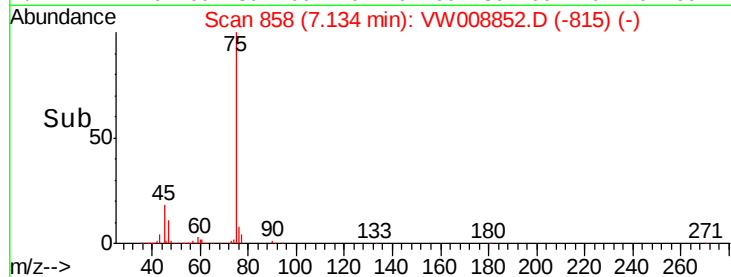
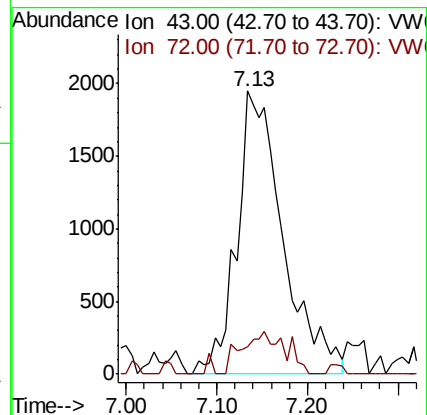
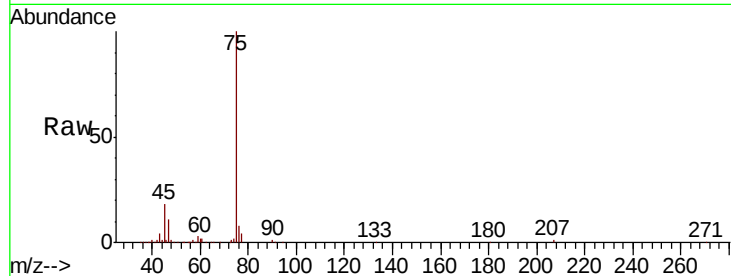
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 6881

Ion Ratio Lower Upper

43 100

72 9.6 19.7 29.5#



#26

2,2-Dichloropropane

Concen: 1.192 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW008852.D

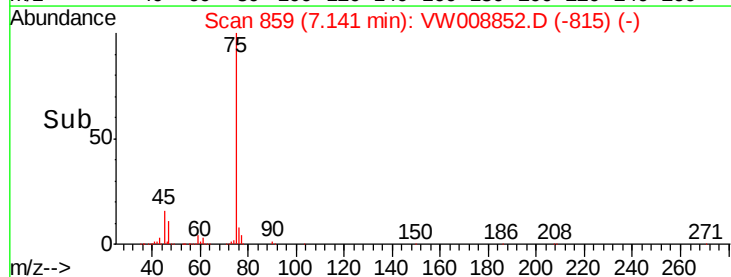
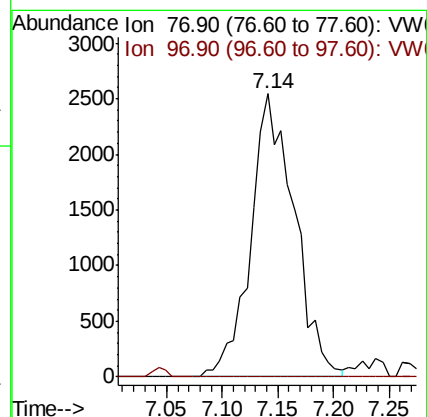
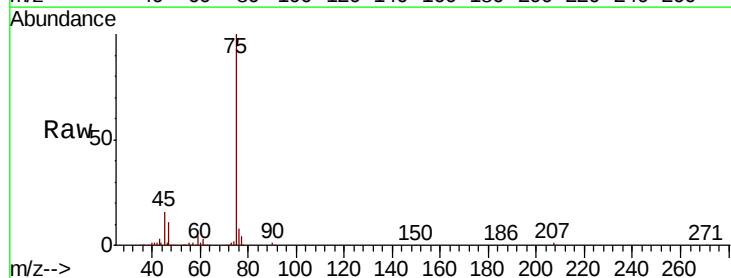
Acq: 27 Feb 2019 14:08

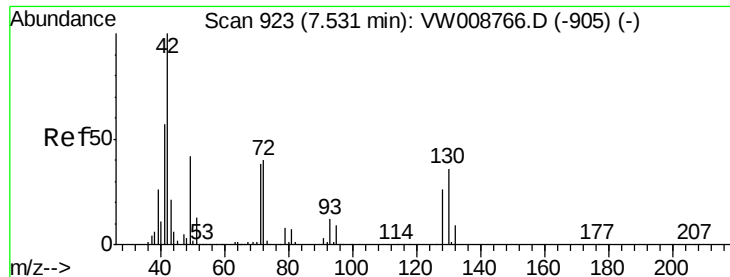
Tgt Ion: 77 Resp: 6931

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#

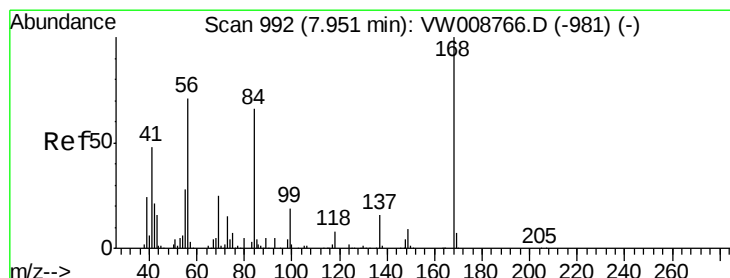
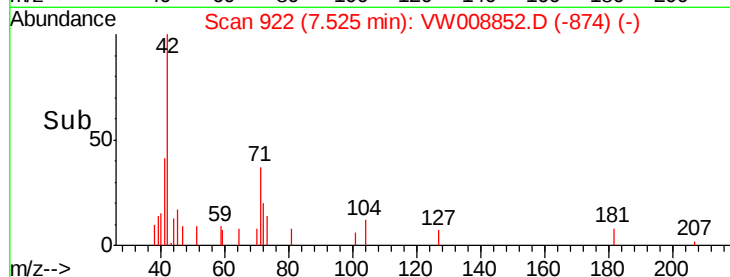
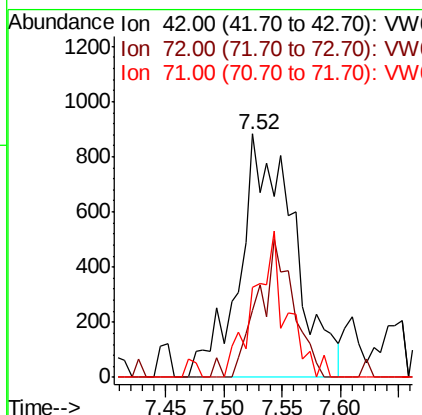
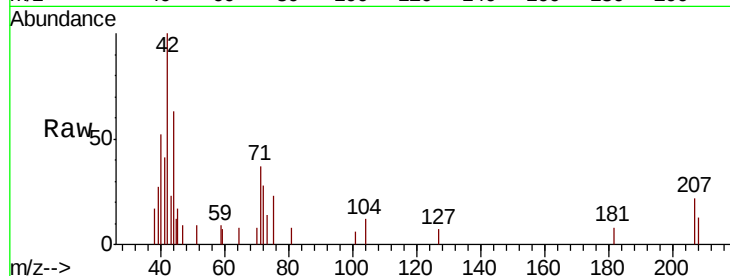




#29
Tetrahydrofuran
Concen: 4.027 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008852.D
Acq: 27 Feb 2019 14:08

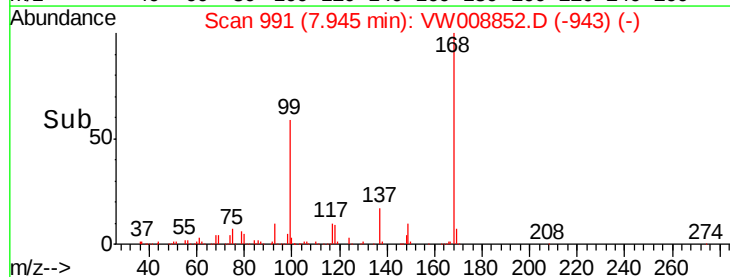
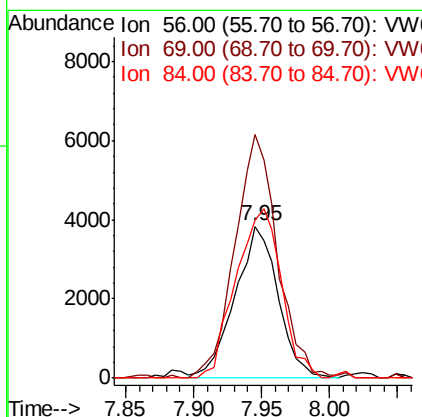
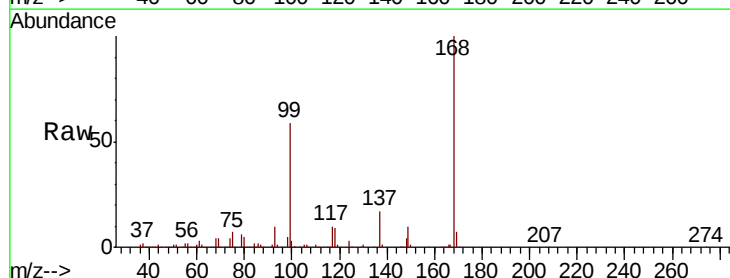
Instrument :
MSVOA_W
ClientSampled :

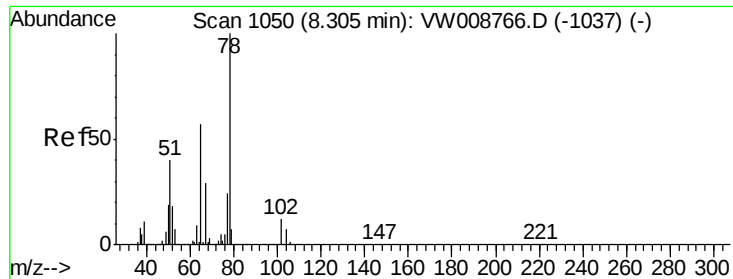
Tot Ion: 42 Resp: 2860
Ion Ratio Lower Upper
42 100
72 36.5 32.7 49.1
71 35.8 31.3 46.9



#31
Cyclohexane
Concen: 1.312 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008852.D
Acq: 27 Feb 2019 14:08

Tgt Ion: 56 Resp: 8503
Ion Ratio Lower Upper
56 100
69 160.7 28.2 42.4#
84 104.0 74.1 111.1

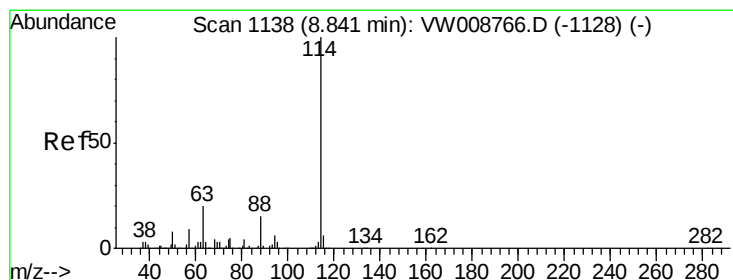
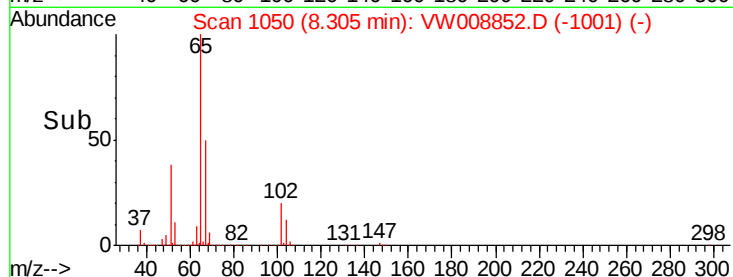
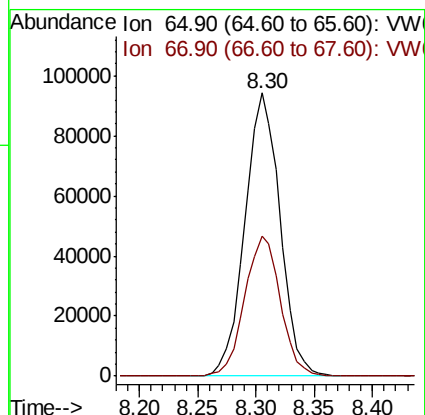
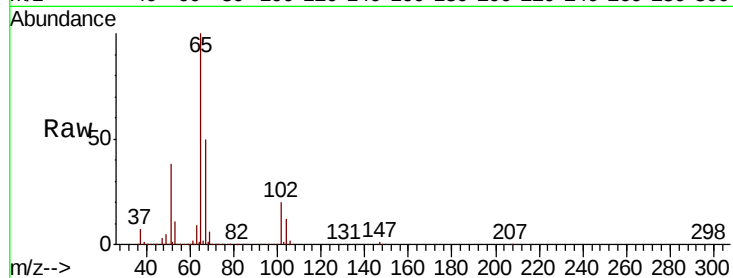




#33
 1,2-Dichloroethane-d4
 Concen: 57.830 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008852.D
 Acq: 27 Feb 2019 14:08

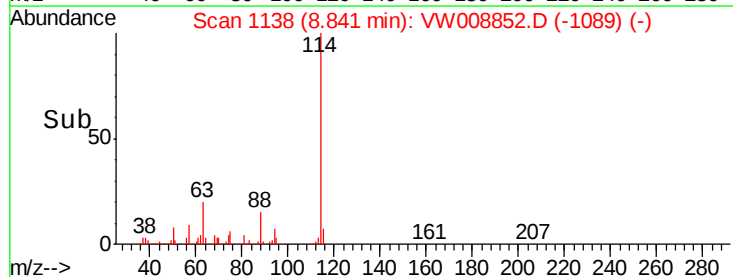
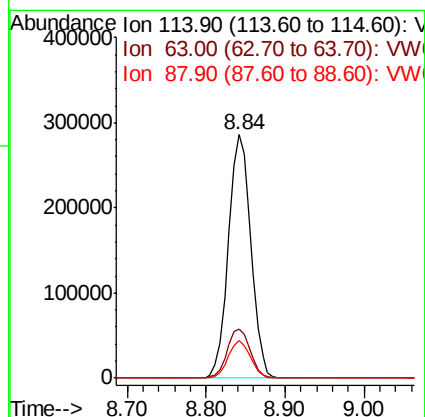
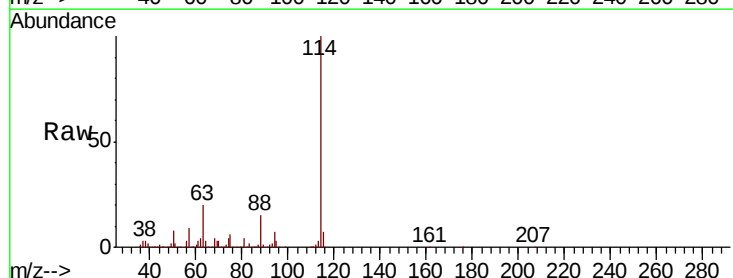
Instrument :
 MSVOA_W
 ClientSampleId :

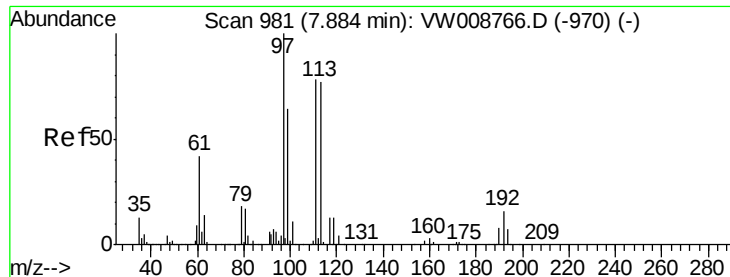
Tot Ion: 65 Resp: 198862
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008852.D
 Acq: 27 Feb 2019 14:08

Tgt Ion: 114 Resp: 567346
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 15.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.388 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008852.D

Acq: 27 Feb 2019 14:08

Instrument :
MSVOA_W
ClientSampleId :

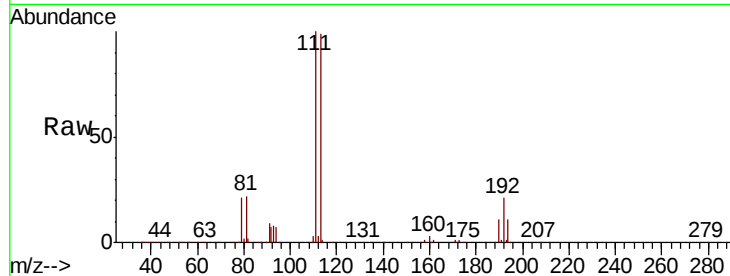
Tot Ion:113 Resp: 168237

Ion Ratio Lower Upper

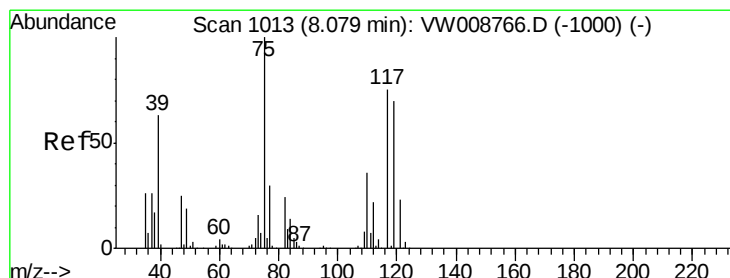
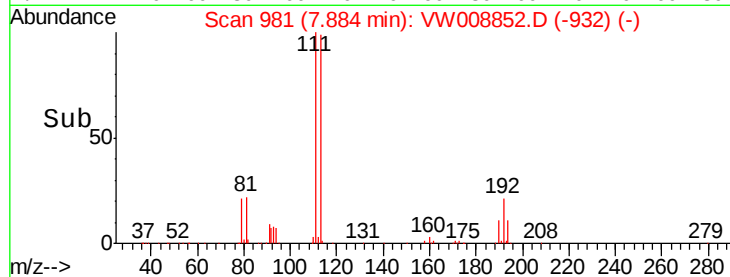
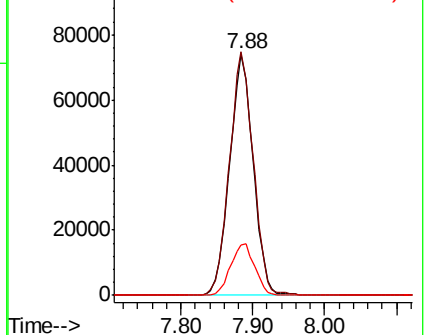
113 100

111 102.1 81.9 122.9

192 21.9 17.1 25.7



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: 5.100 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW008852.D

Acq: 27 Feb 2019 14:08

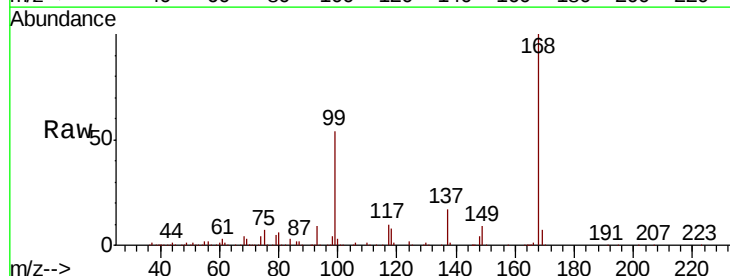
Tgt Ion: 75 Resp: 28166

Ion Ratio Lower Upper

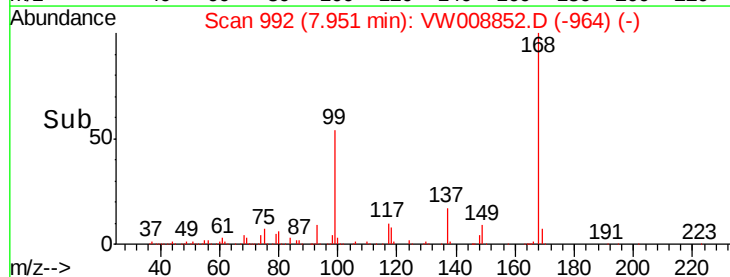
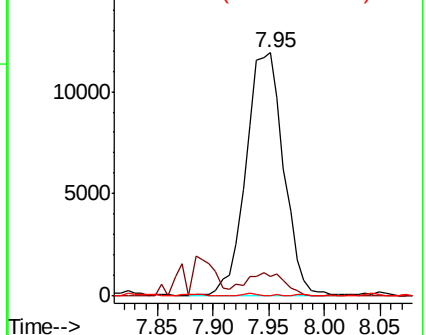
75 100

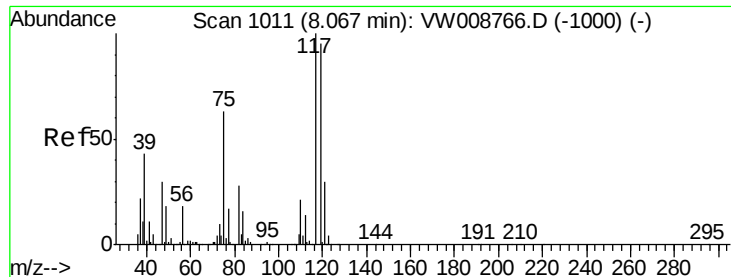
110 10.0 17.5 52.6#

77 0.1 24.5 36.7#



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

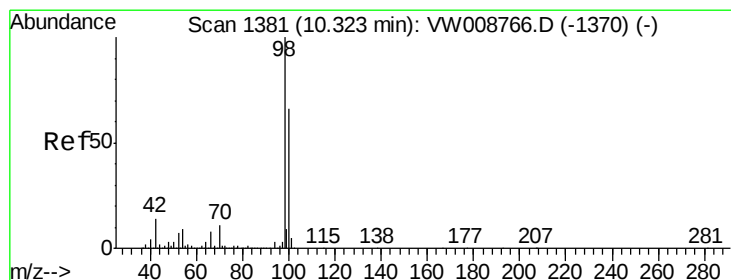
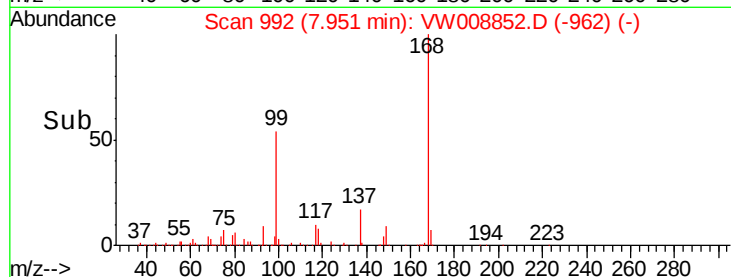
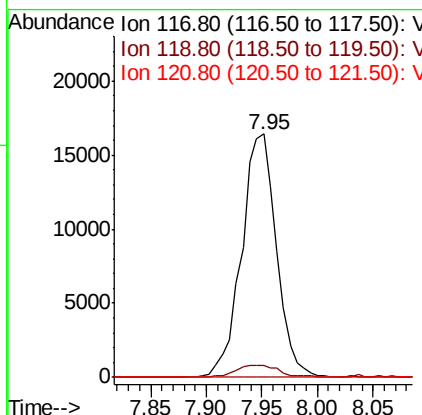
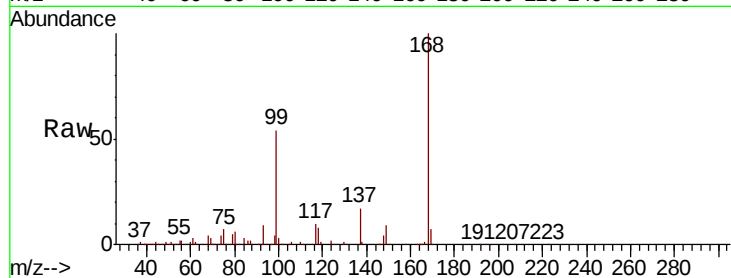




#38
Carbon Tetrachloride
Concen: 6.127 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008852.D
Acq: 27 Feb 2019 14:08

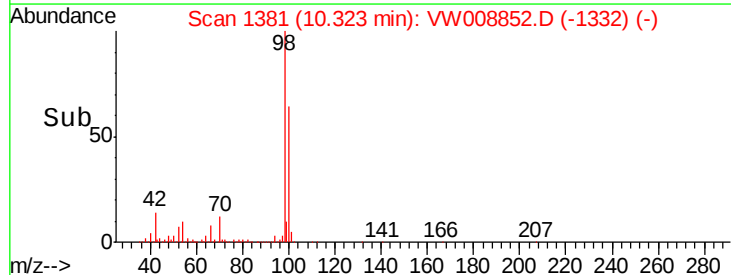
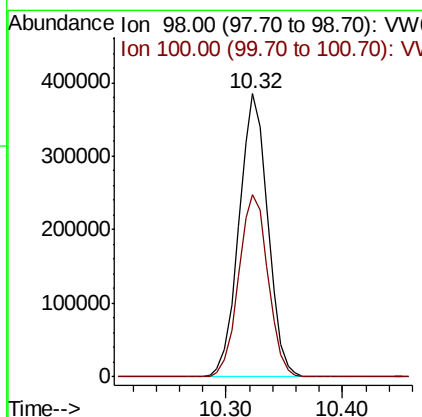
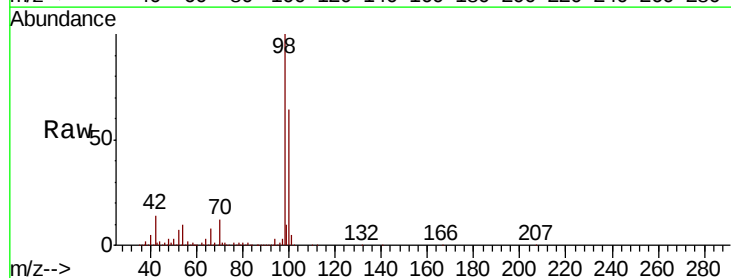
Instrument :
MSVOA_W
ClientSampleId :

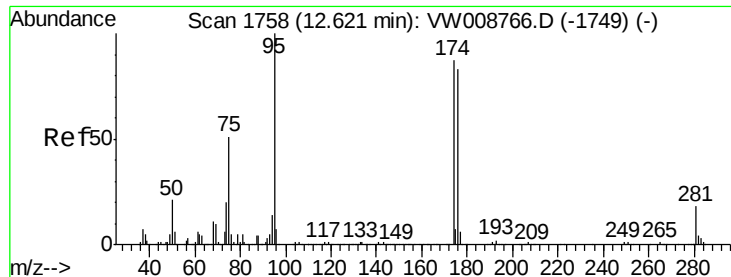
Tot Ion:117 Resp: 35688
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 50.436 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008852.D
Acq: 27 Feb 2019 14:08

Tgt Ion: 98 Resp: 663217
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

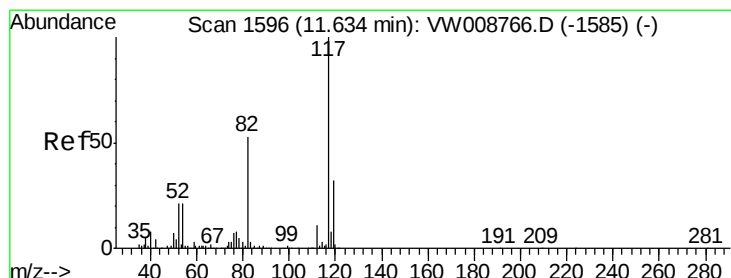
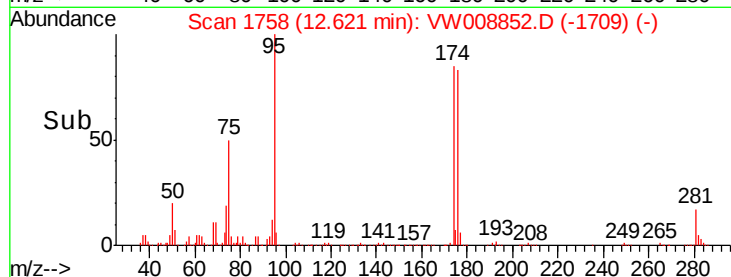
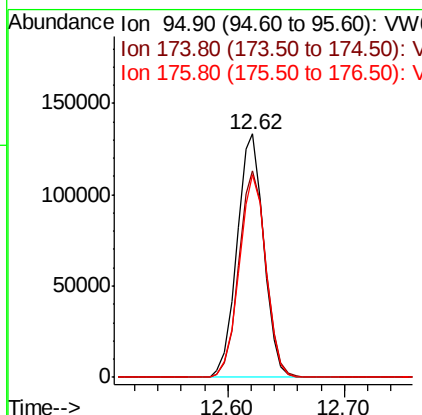
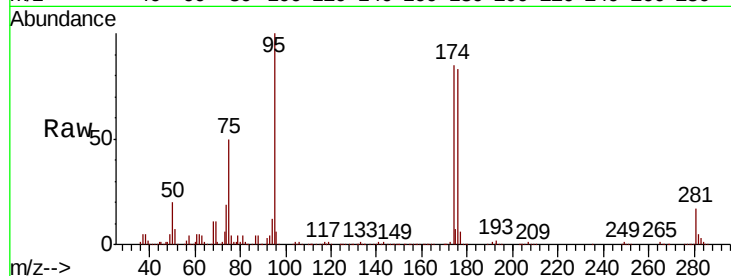




#62
4-Bromofluorobenzene
Concen: 41.329 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008852.D
Acq: 27 Feb 2019 14:08

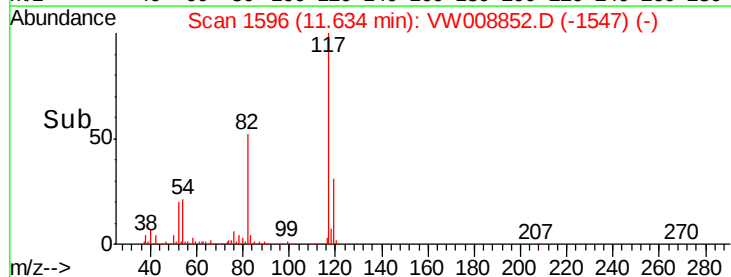
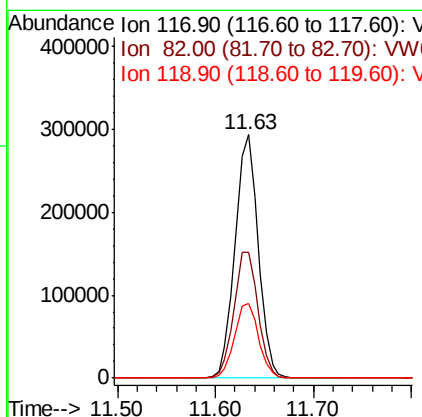
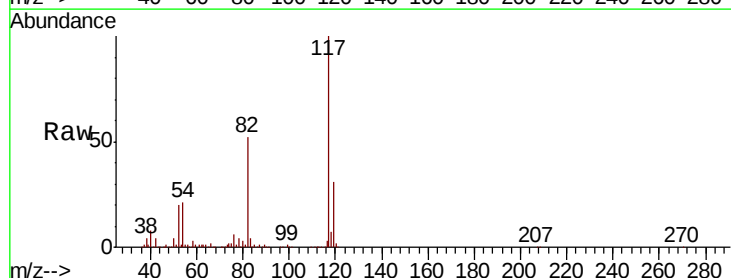
Instrument :
MSVOA_W
ClientSampleId :

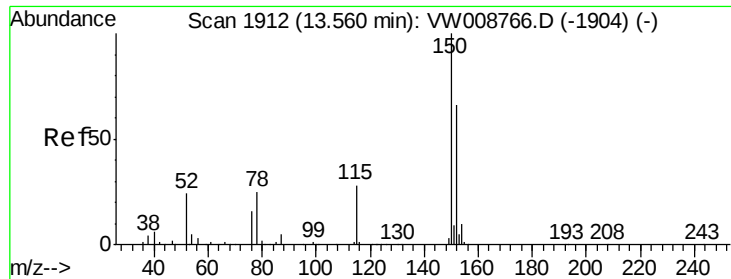
Tot Ion: 95 Resp: 212789
Ion Ratio Lower Upper
95 100
174 85.9 0.0 169.2
176 83.4 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008852.D
Acq: 27 Feb 2019 14:08

Tgt Ion: 117 Resp: 484139
Ion Ratio Lower Upper
117 100
82 51.5 42.2 63.4
119 30.6 25.9 38.9



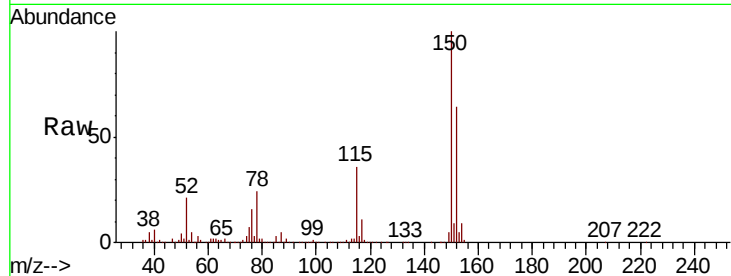


#72

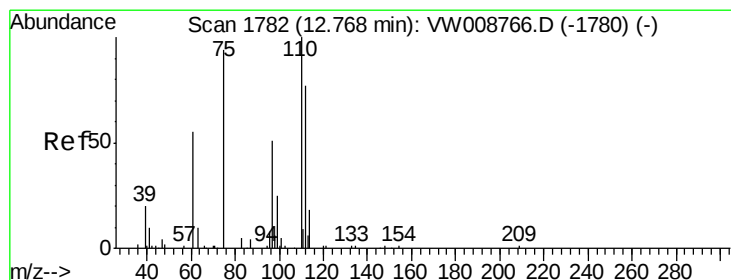
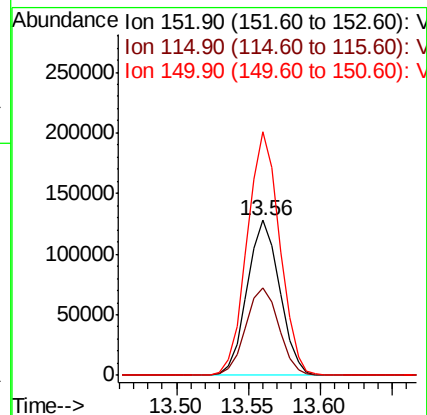
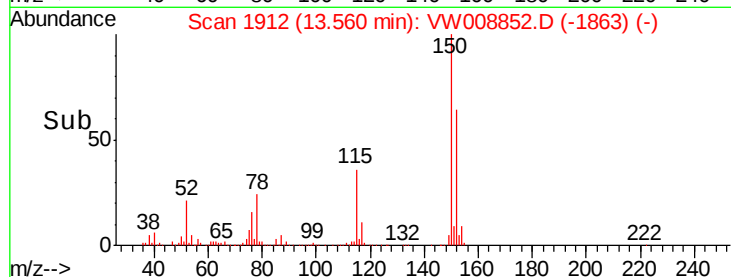
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008852.D
Acq: 27 Feb 2019 14:08

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:152 Resp: 199865
Ion Ratio Lower Upper
152 100
115 57.7 28.6 85.8
150 156.9 0.0 348.0



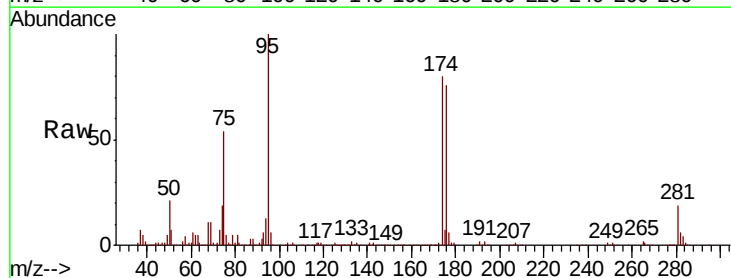
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



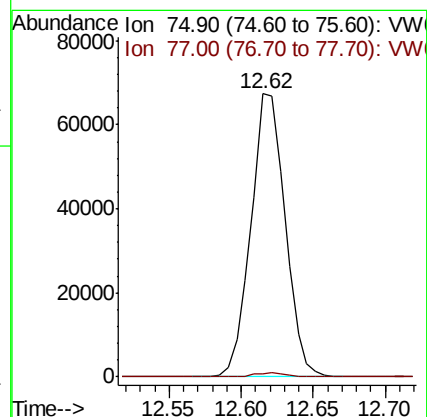
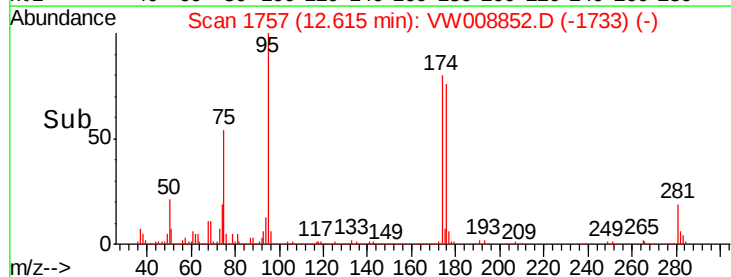
#76

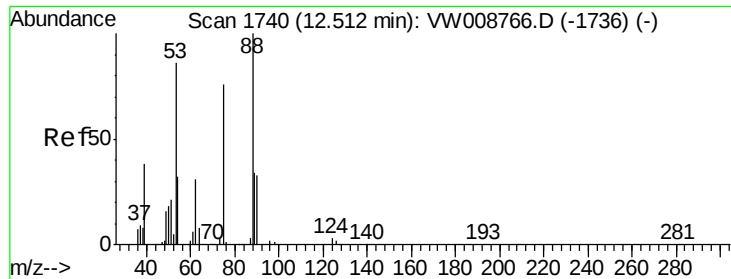
1,2,3-Trichloropropane
Concen: 66.897 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008852.D
Acq: 27 Feb 2019 14:08

Tgt Ion: 75 Resp: 110391
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



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: 162.633 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008852.D

Acq: 27 Feb 2019 14:08

Instrument :

MSVOA_W

ClientSampleId :

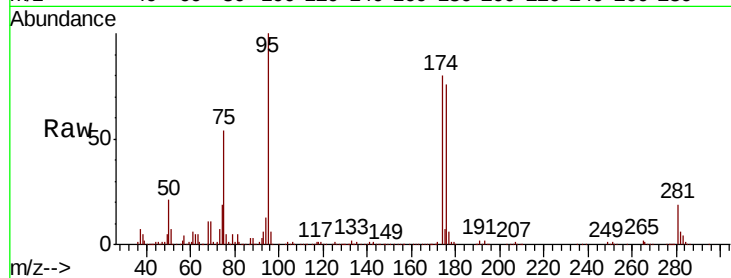
Tot Ion: 75 Resp: 110391

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.5 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

