

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007819.D
 Acq On : 22 Dec 2018 01:54
 Operator : SY/AP
 Sample : J6386-20
 Misc : 6.97G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 22 03:19:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	51967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	89493	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	56644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	15252	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	29014	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
35) Dibromofluoromethane	7.88	113	24033	44.02	ug/l	0.00
Spiked Amount			Recovery	=	88.04%	
50) Toluene-d8	10.32	98	62748	30.49	ug/l	0.00
Spiked Amount			Recovery	=	60.98%	
62) 4-Bromofluorobenzene	12.62	95	17435	21.93	ug/l	0.00
Spiked Amount			Recovery	=	43.86%	

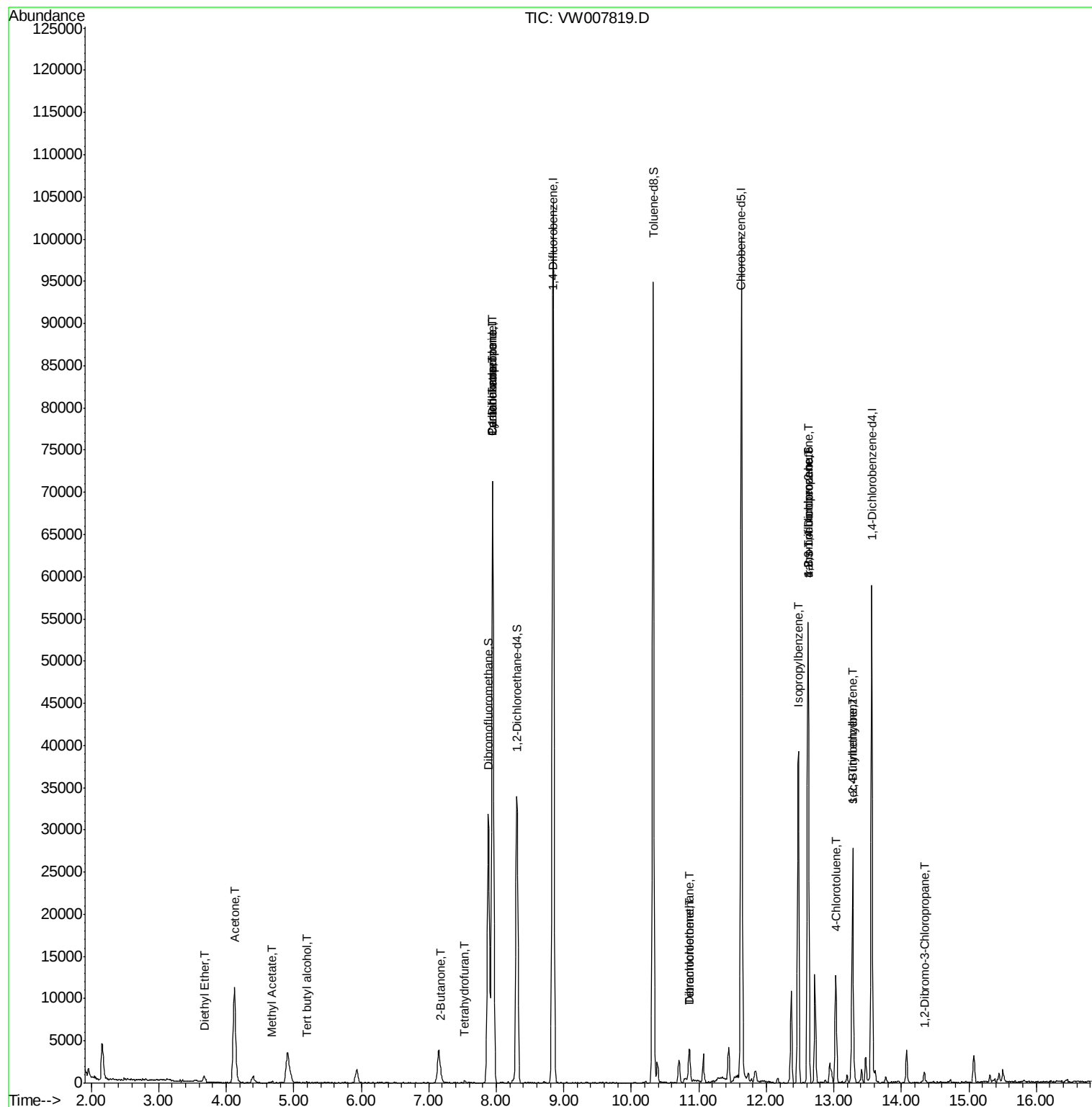
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	391	1.698	ug/l	70
11) Tert butyl alcohol	5.18	59	96	2.499	ug/l #	73
16) Acetone	4.12	43	19486	182.693	ug/l	99
18) Methyl Acetate	4.68	43	444	1.750	ug/l #	46
25) 2-Butanone	7.18	43	1238	9.910	ug/l	90
29) Tetrahydrofuran	7.52	42	94	1.261	ug/l #	58
31) Cyclohexane	7.94	56	989	1.166	ug/l #	31
36) 1,1-Dichloropropene	7.95	75	3879	4.491	ug/l #	50
38) Carbon Tetrachloride	7.95	117	5368	5.277	ug/l #	14
60) Dibromochloromethane	10.86	129	873	1.519	ug/l #	11
64) Tetrachloroethene	10.86	164	815	2.032	ug/l #	74
73) Isopropylbenzene	12.48	105	1960	1.700	ug/l #	60
76) 1,2,3-Trichloropropane	12.62	75	8790	74.565	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	8790	156.517	ug/l #	9
82) 4-Chlorotoluene	13.03	91	1578	1.896	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.28	105	2235	2.227	ug/l #	63
85) sec-Butylbenzene	13.28	105	2235	1.859	ug/l #	65
92) 1,2-Dibromo-3-Chloropropan	14.34	75	76	2.141	ug/l #	3

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

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Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007819.D

Acq: 22 Dec 2018 01:54

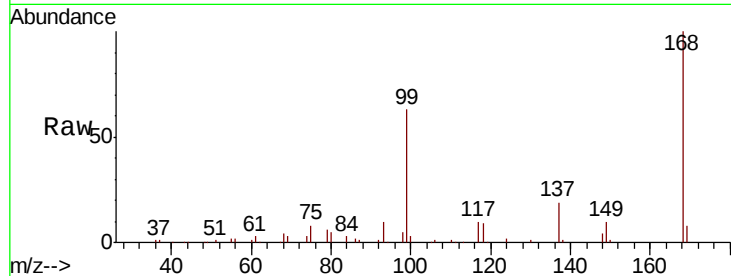
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 51967

Ion Ratio Lower Upper

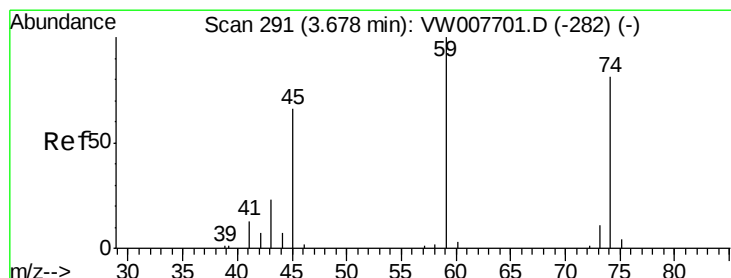
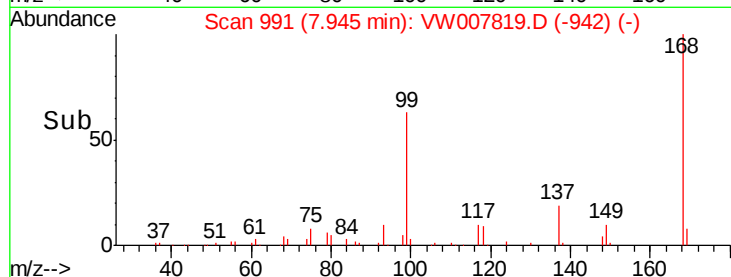
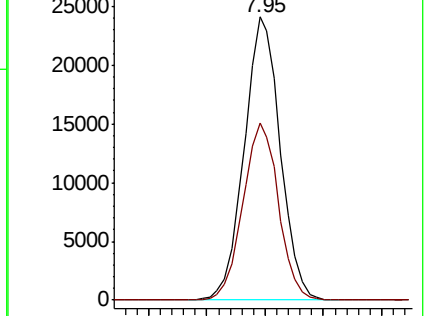
168 100

99 62.6 54.0 81.0



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. -0.01 min

Lab File: VW007819.D

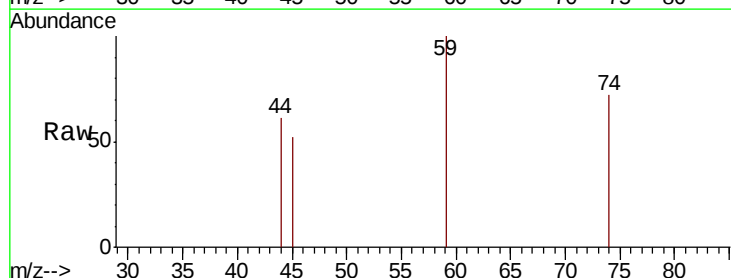
Acq: 22 Dec 2018 01:54

Tgt Ion: 74 Resp: 391

Ion Ratio Lower Upper

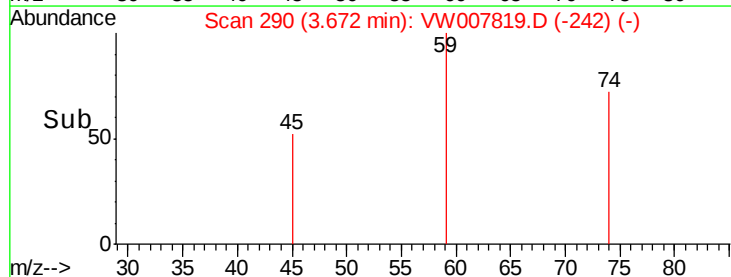
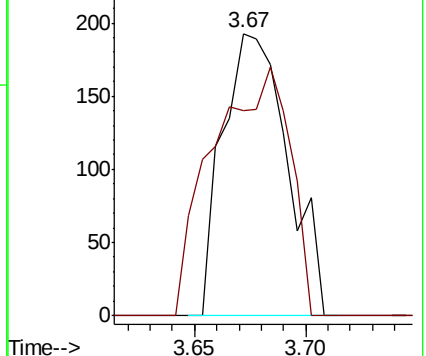
74 100

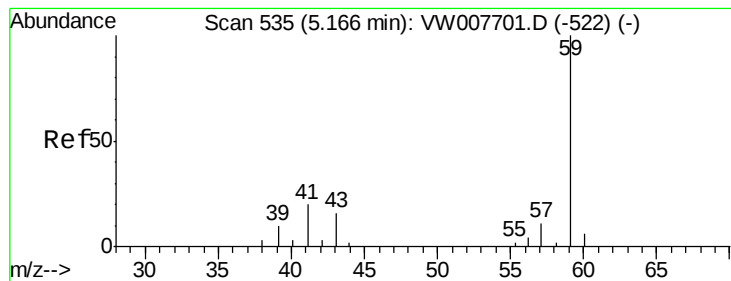
45 104.6 39.4 118.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



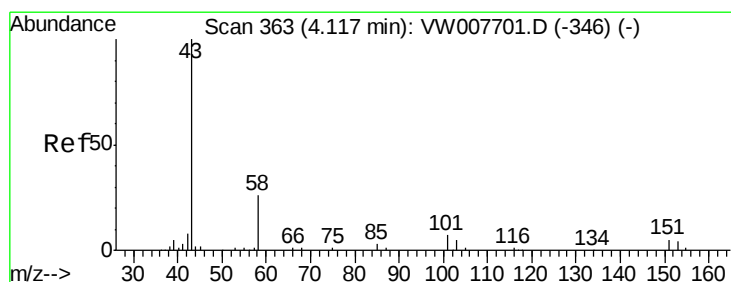
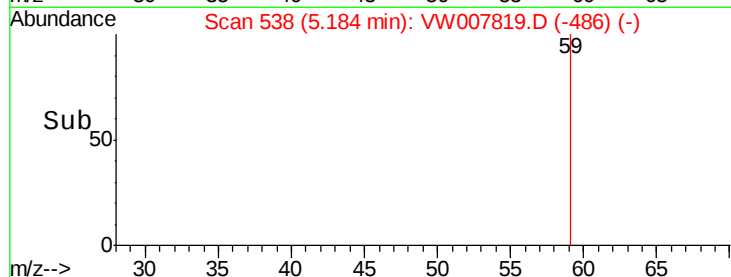
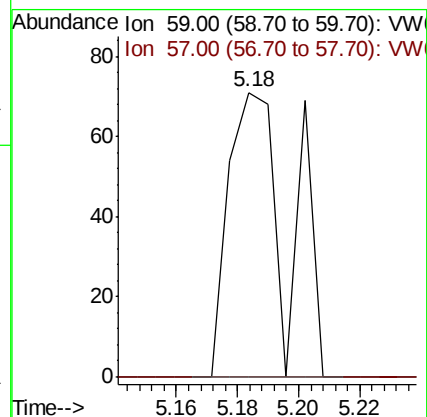
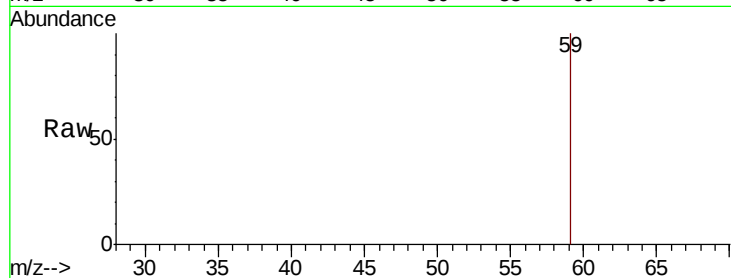


#11

Tert butyl alcohol
 Concen: 2.499 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.02 min
 Lab File: VW007819.D
 Acq: 22 Dec 2018 01:54

Instrument :
 MSVOA_W
 ClientSampled :

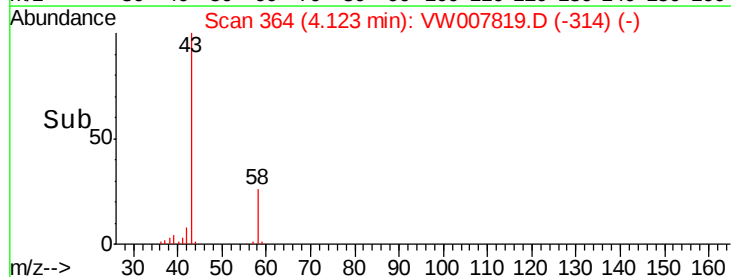
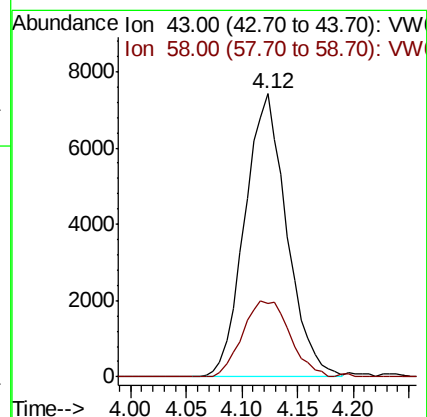
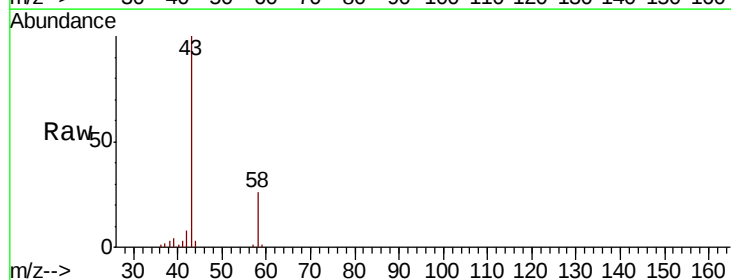
Tot Ion: 59 Resp: 96
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

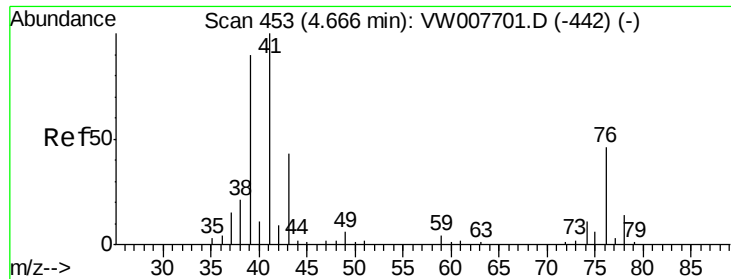


#16

Acetone
 Concen: 182.693 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW007819.D
 Acq: 22 Dec 2018 01:54

Tgt Ion: 43 Resp: 19486
 Ion Ratio Lower Upper
 43 100
 58 25.9 21.2 31.8

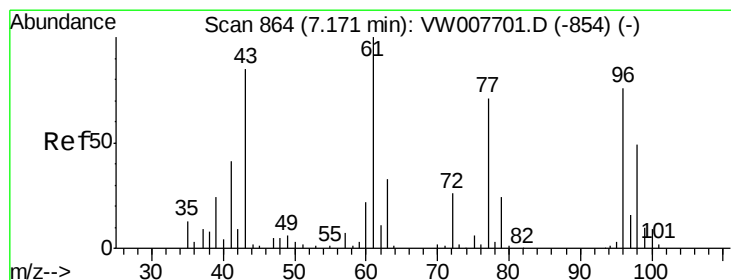
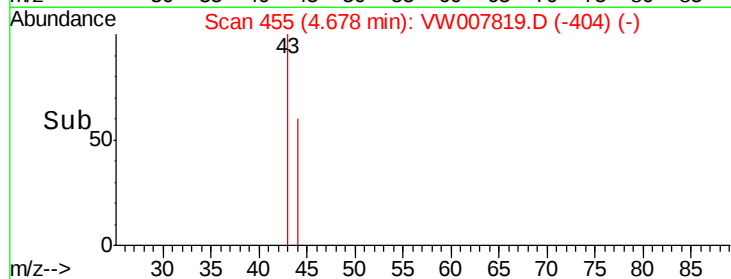
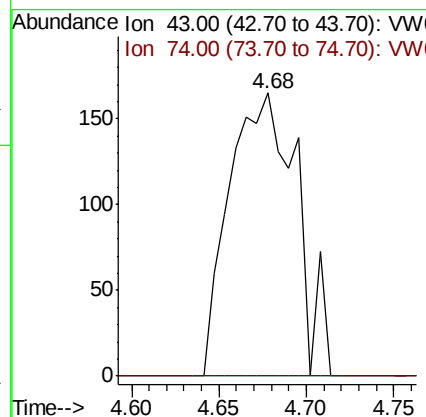
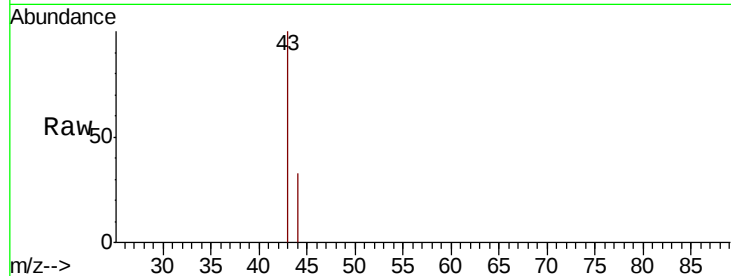




#18
Methyl Acetate
Concen: 1.750 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW007819.D
Acq: 22 Dec 2018 01:54

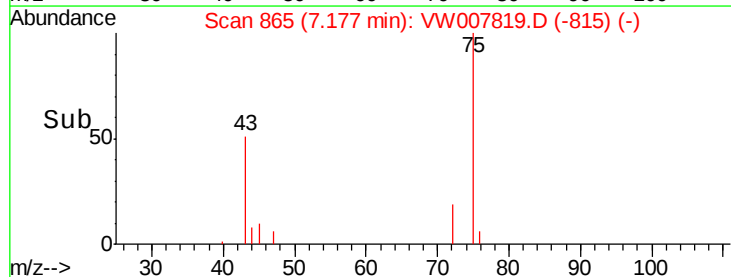
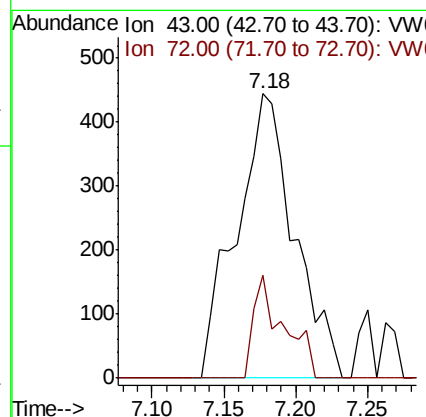
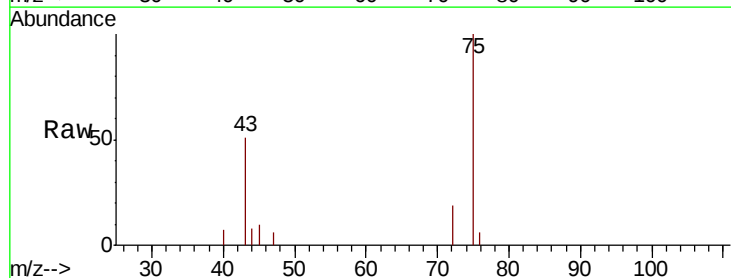
Instrument :
MSVOA_W
ClientSampled :

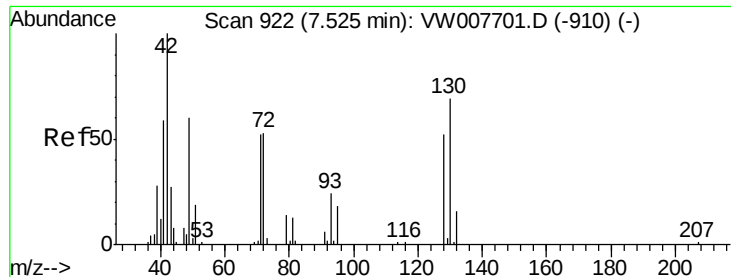
Tot Ion: 43 Resp: 444
Ion Ratio Lower Upper
43 100
74 0.0 22.7 34.1#



#25
2-Butanone
Concen: 9.910 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007819.D
Acq: 22 Dec 2018 01:54

Tgt Ion: 43 Resp: 1238
Ion Ratio Lower Upper
43 100
72 36.0 24.5 36.7

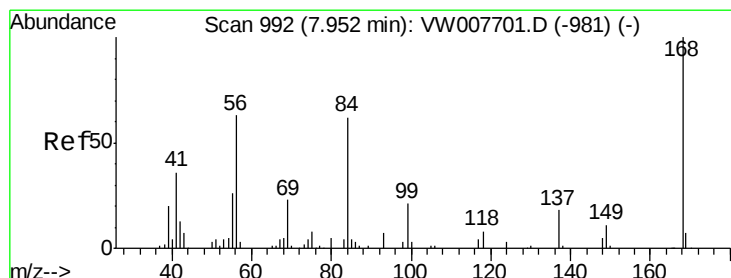
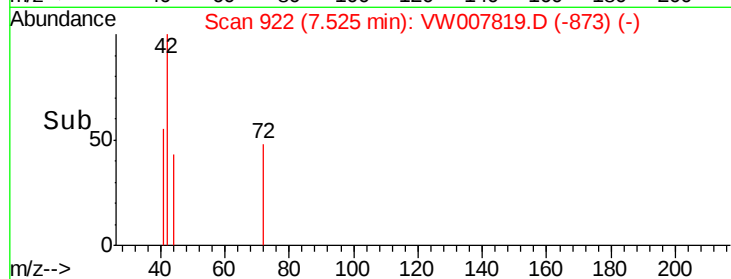
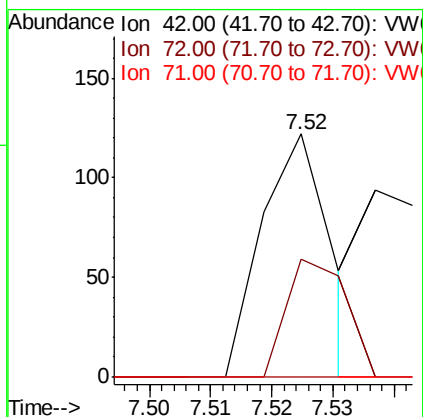
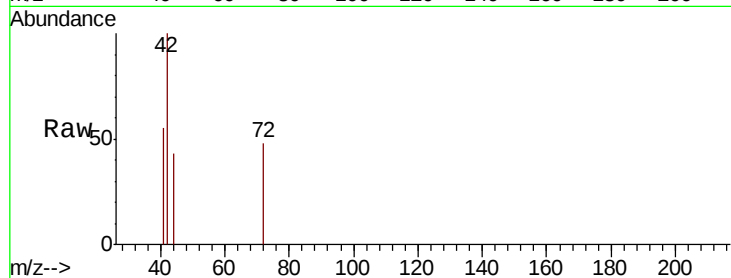




#29
Tetrahydrofuran
Concen: 1.261 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW007819.D
Acq: 22 Dec 2018 01:54

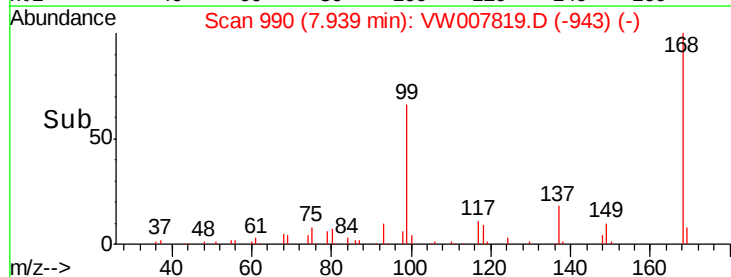
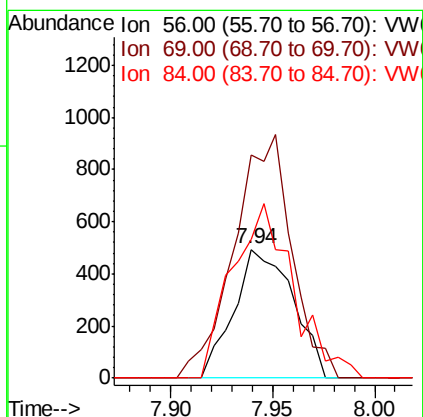
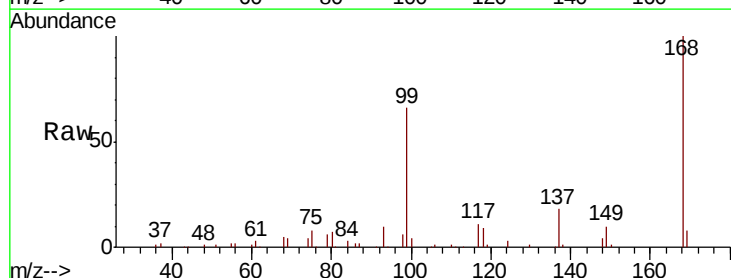
Instrument :
MSVOA_W
ClientSampled :

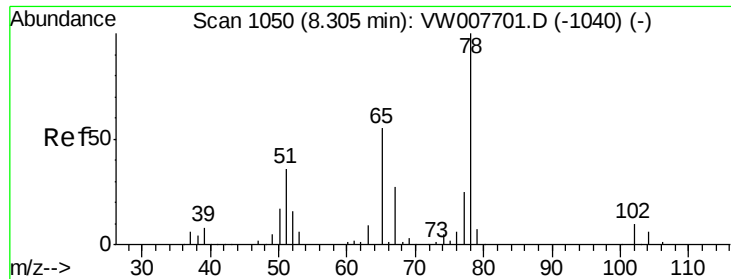
Tot Ion: 42 Resp: 94
Ion Ratio Lower Upper
42 100
72 42.6 41.7 62.5
71 0.0 39.0 58.6#



#31
Cyclohexane
Concen: 1.166 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW007819.D
Acq: 22 Dec 2018 01:54

Tgt Ion: 56 Resp: 989
Ion Ratio Lower Upper
56 100
69 173.2 29.7 44.5#
84 107.7 78.9 118.3

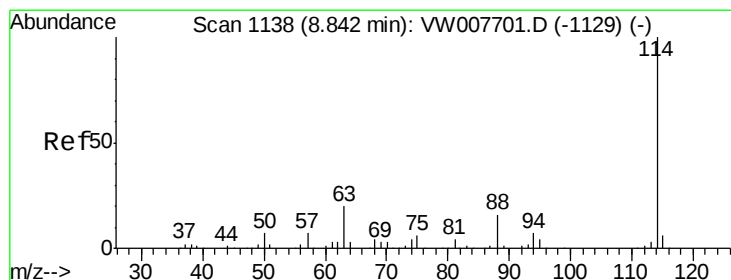
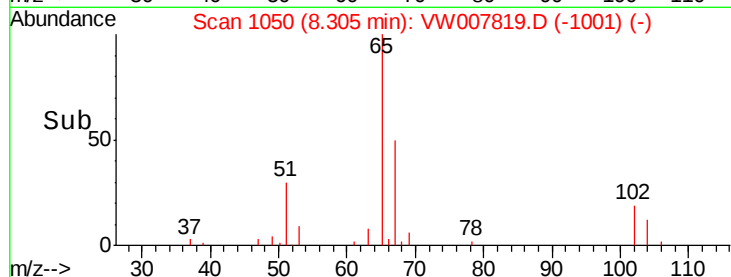
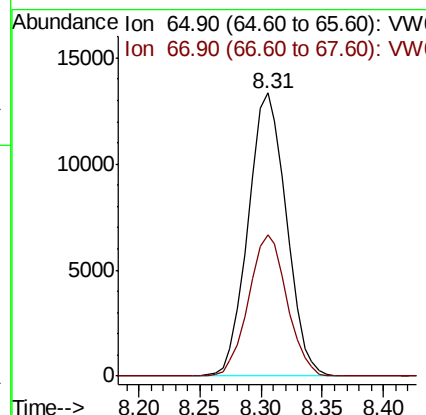
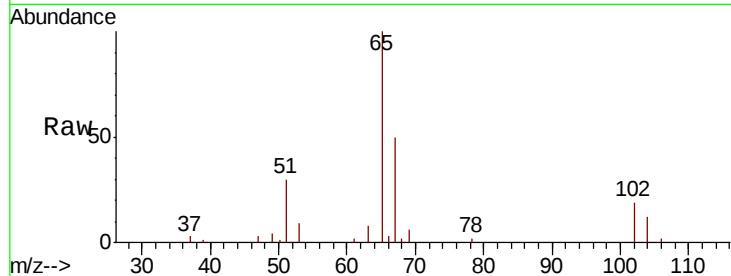




#33
 1,2-Dichloroethane-d4
 Concen: 50.939 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007819.D
 Acq: 22 Dec 2018 01:54

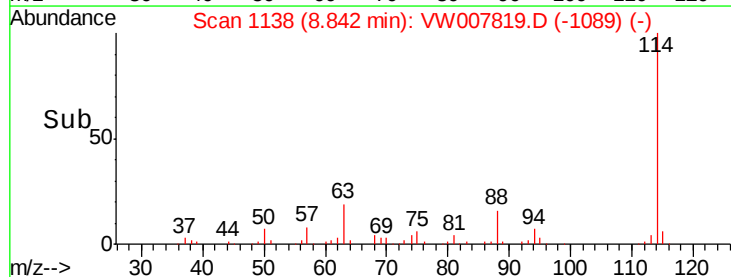
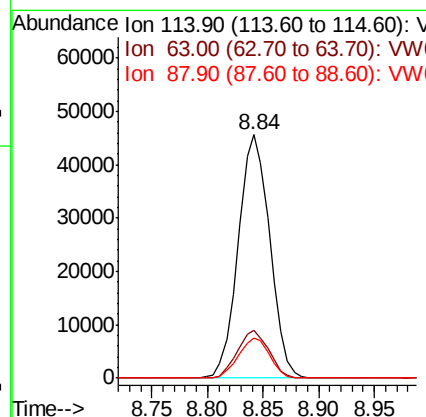
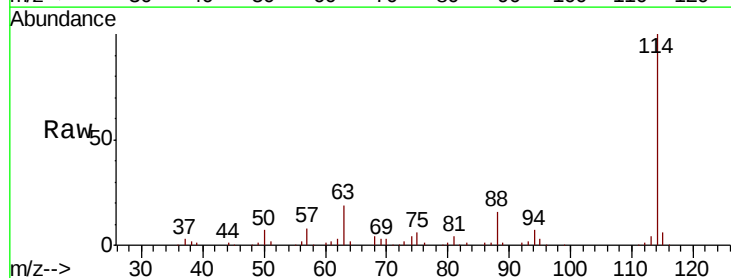
Instrument :
 MSVOA_W
 ClientSampleId :

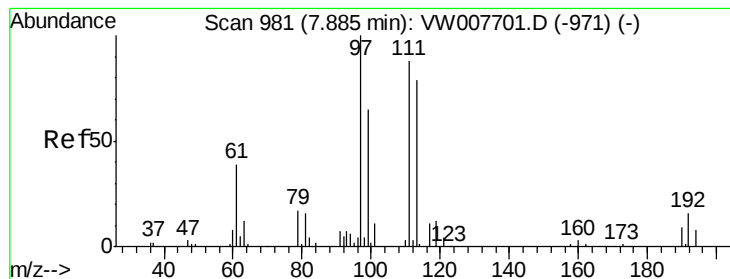
Tot Ion: 65 Resp: 29014
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007819.D
 Acq: 22 Dec 2018 01:54

Tgt Ion: 114 Resp: 89493
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 44.020 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007819.D

Acq: 22 Dec 2018 01:54

Instrument :

MSVOA_W

ClientSampled :

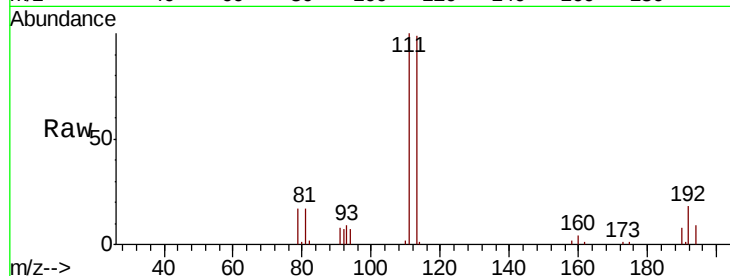
Tot Ion:113 Resp: 24033

Ion Ratio Lower Upper

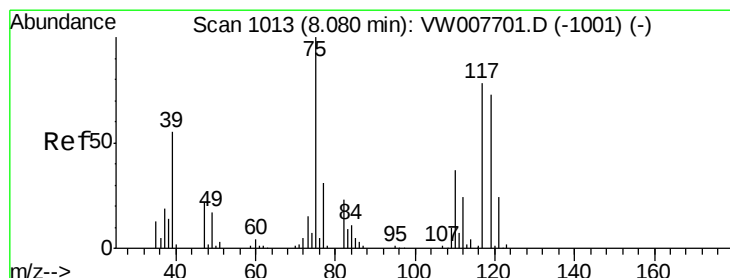
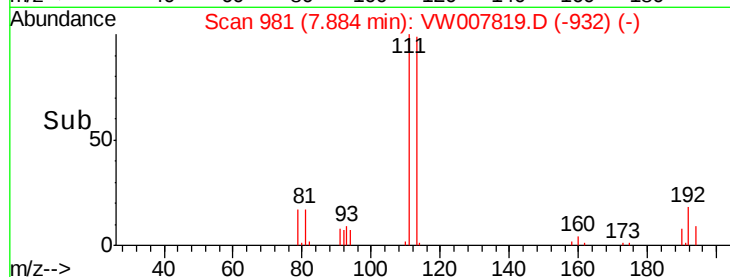
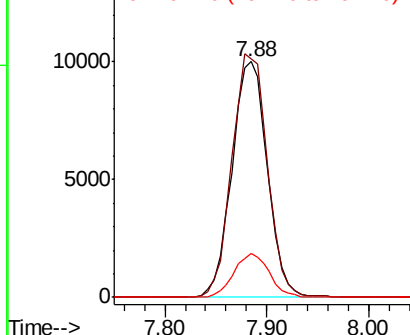
113 100

111 103.5 82.6 124.0

192 18.5 15.5 23.3



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: 4.491 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007819.D

Acq: 22 Dec 2018 01:54

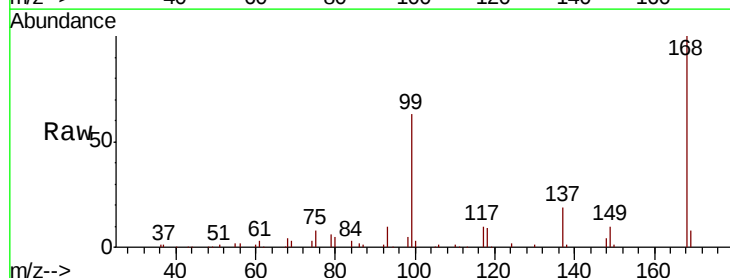
Tgt Ion: 75 Resp: 3879

Ion Ratio Lower Upper

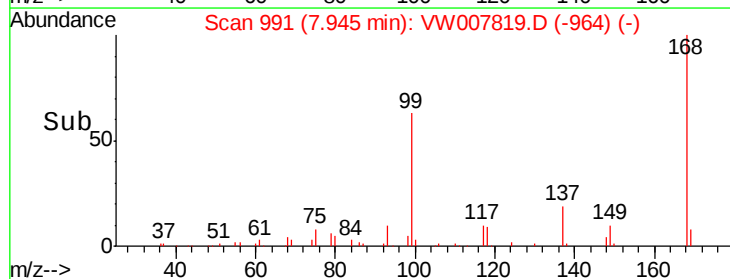
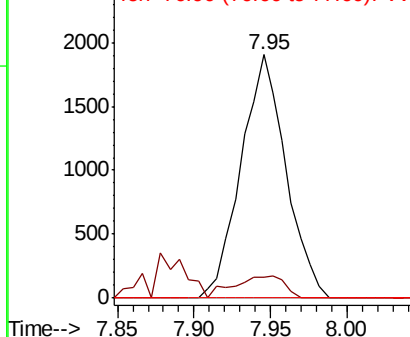
75 100

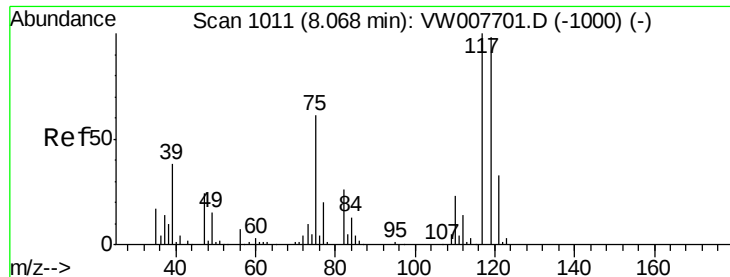
110 10.3 18.6 55.8#

77 0.0 25.0 37.4#



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

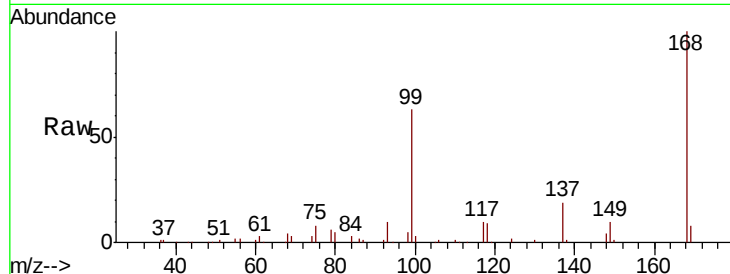




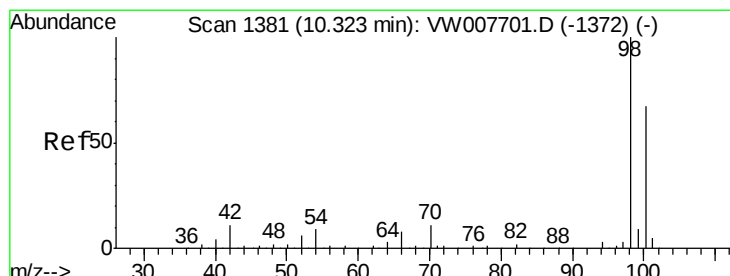
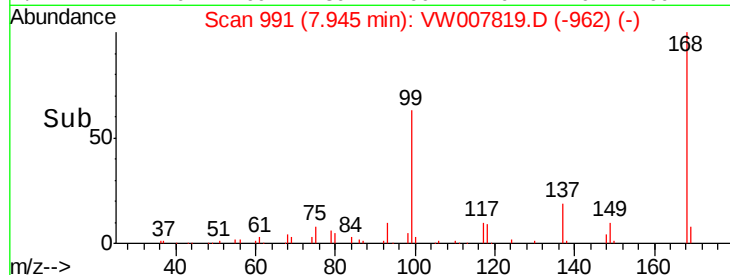
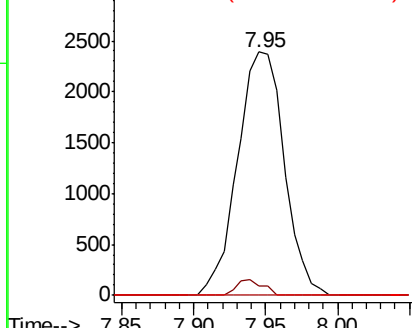
#38
Carbon Tetrachloride
Concen: 5.277 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007819.D
Acq: 22 Dec 2018 01:54

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 5368
Ion Ratio Lower Upper
117 100
119 3.6 78.2 117.2#
121 0.0 26.1 39.1#

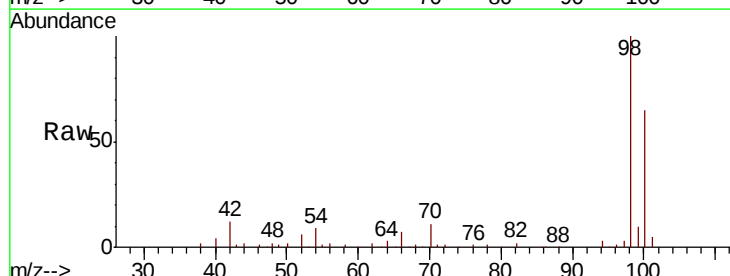


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

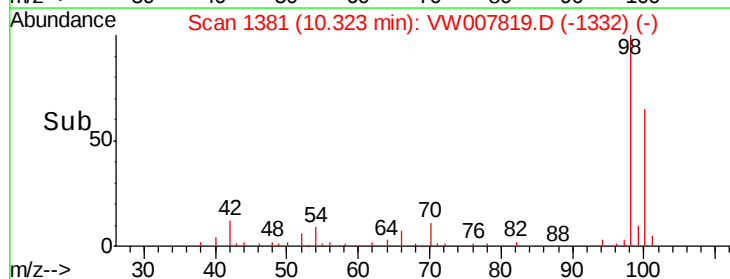
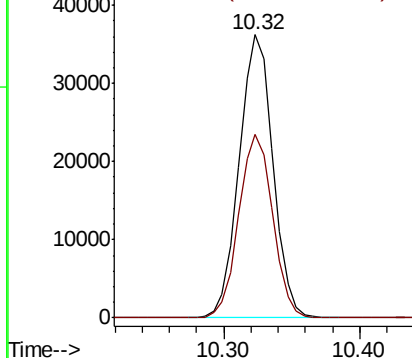


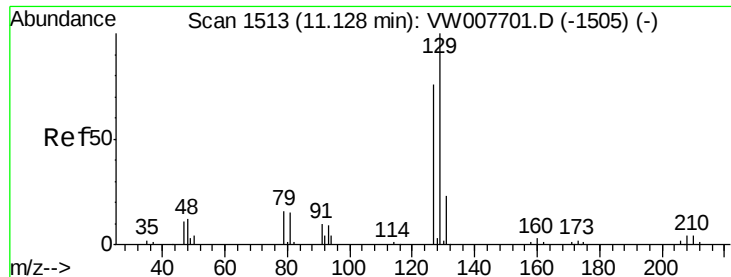
#50
Toluene-d8
Concen: 30.487 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007819.D
Acq: 22 Dec 2018 01:54

Tgt Ion: 98 Resp: 62748
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



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

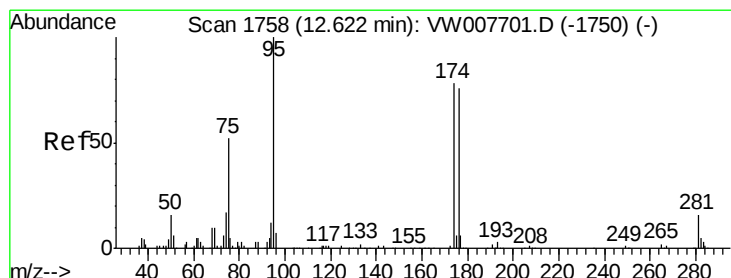
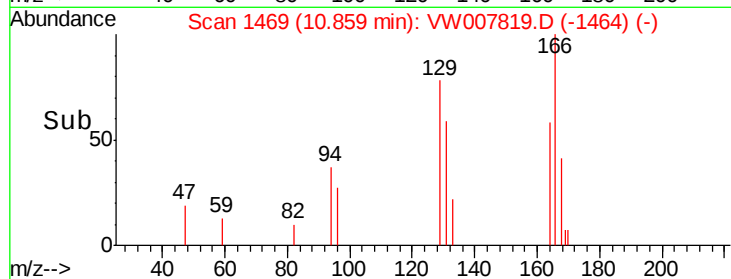
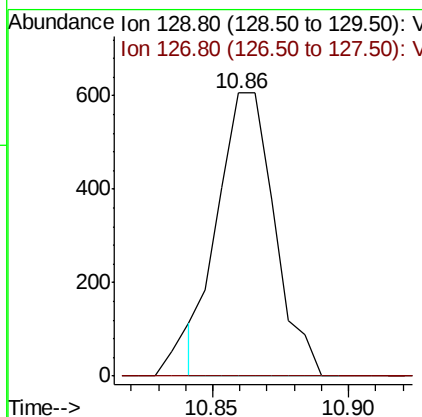
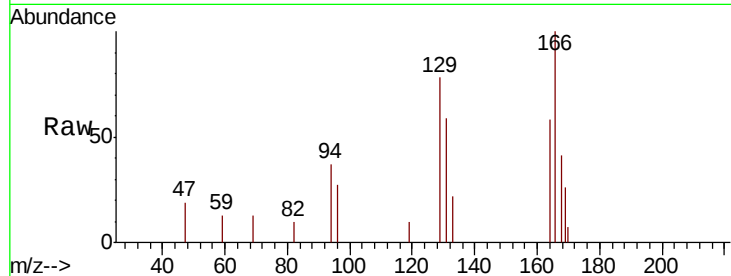




#60
 Dibromochloromethane
 Concen: 1.519 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.27 min
 Lab File: VW007819.D
 Acq: 22 Dec 2018 01:54

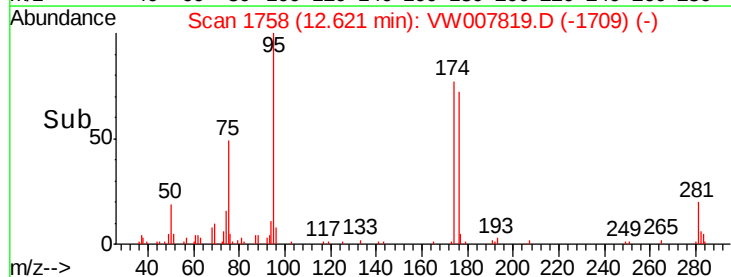
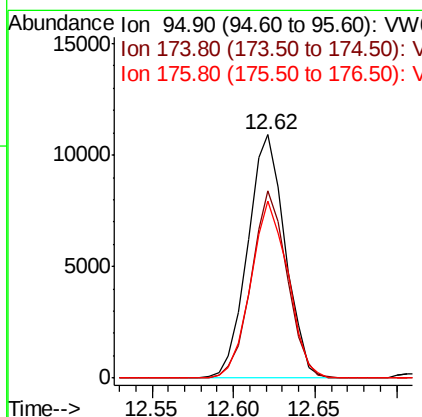
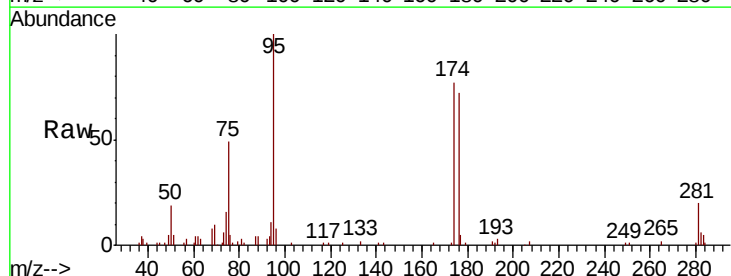
Instrument :
 MSVOA_W
 ClientSampleId :

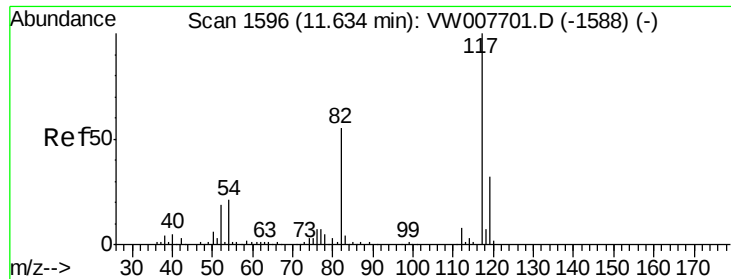
Tot Ion:129 Resp: 873
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.3 114.9#



#62
 4-Bromofluorobenzene
 Concen: 21.928 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007819.D
 Acq: 22 Dec 2018 01:54

Tgt Ion: 95 Resp: 17435
 Ion Ratio Lower Upper
 95 100
 174 73.5 0.0 152.2
 176 72.1 0.0 146.8

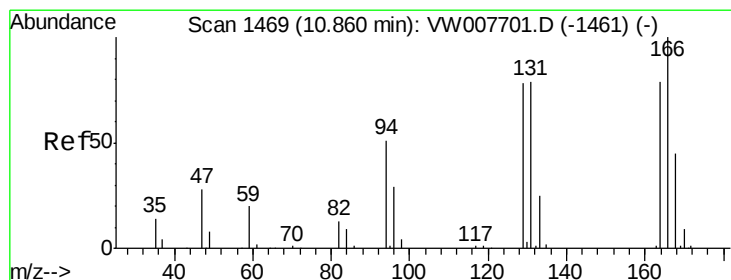
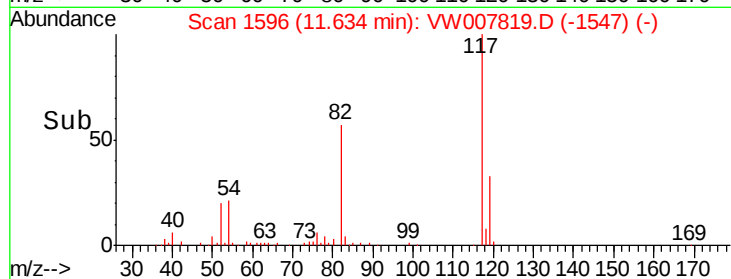
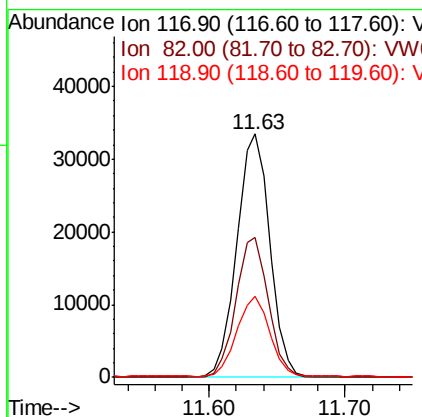
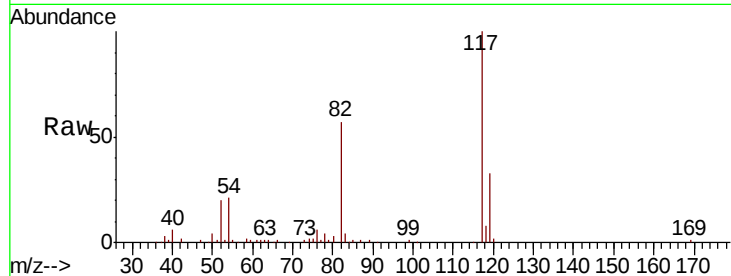




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007819.D
Acq: 22 Dec 2018 01:54

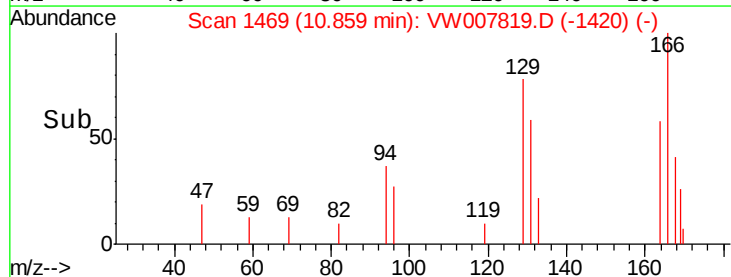
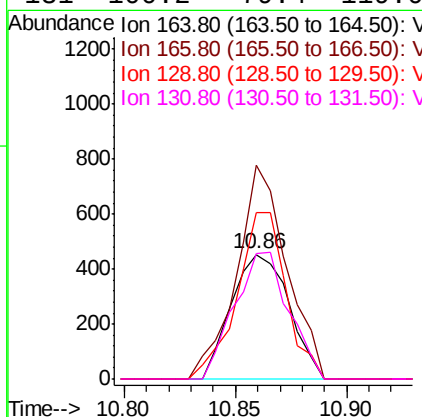
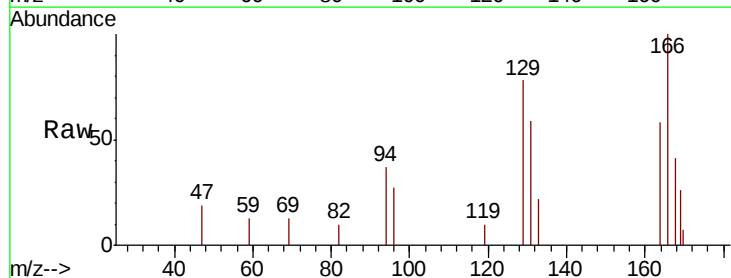
Instrument :
MSVOA_W
ClientSampled :

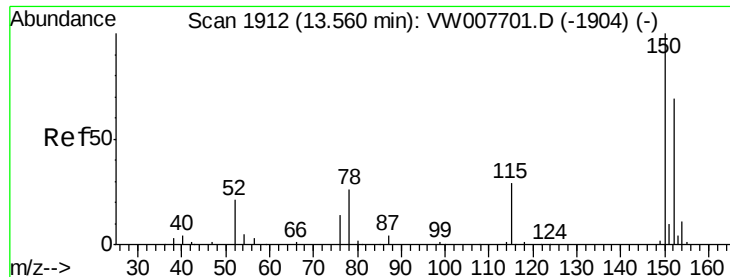
Tot Ion:117 Resp: 56644
Ion Ratio Lower Upper
117 100
82 57.3 44.3 66.5
119 32.9 25.7 38.5



#64
Tetrachloroethene
Concen: 2.032 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007819.D
Acq: 22 Dec 2018 01:54

Tgt Ion:164 Resp: 815
Ion Ratio Lower Upper
164 100
166 171.1 101.0 151.6#
129 133.5 78.7 118.1#
131 100.2 79.4 119.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007819.D

Acq: 22 Dec 2018 01:54

Instrument :

MSVOA_W

ClientSampleId :

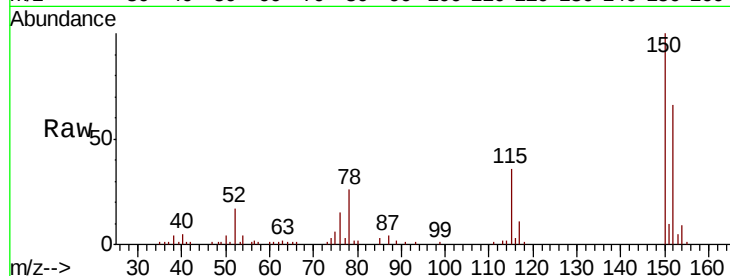
Tot Ion:152 Resp: 15252

Ion Ratio Lower Upper

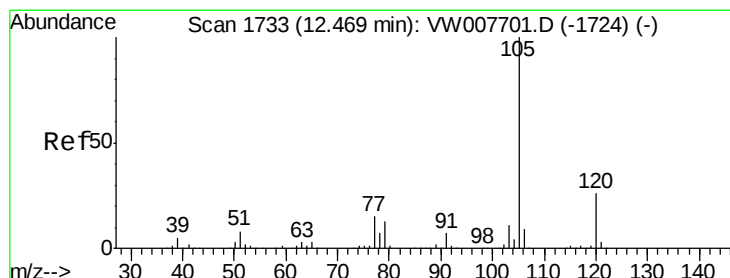
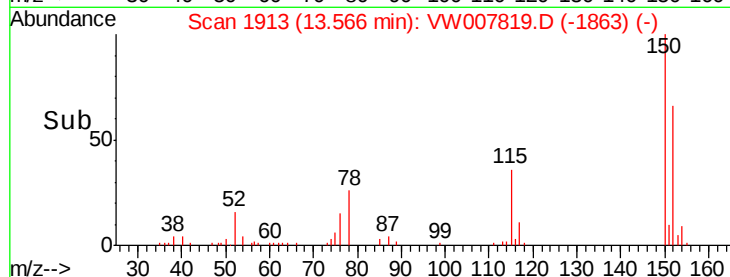
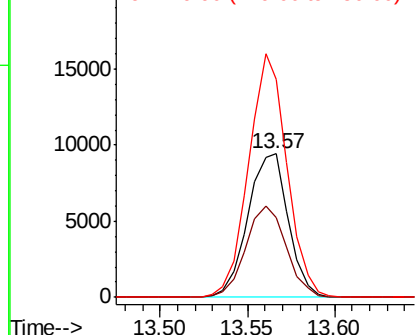
152 100

115 63.1 31.8 95.4

150 159.7 0.0 350.8



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



#73

Isopropylbenzene

Concen: 1.700 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW007819.D

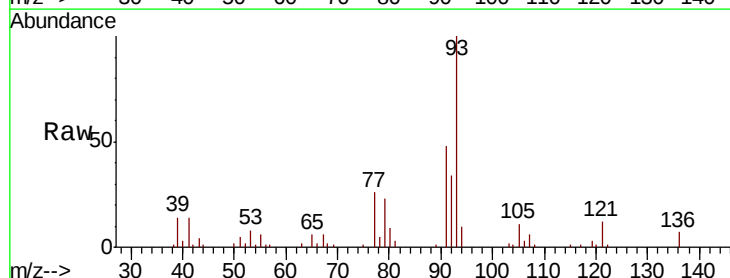
Acq: 22 Dec 2018 01:54

Tgt Ion:105 Resp: 1960

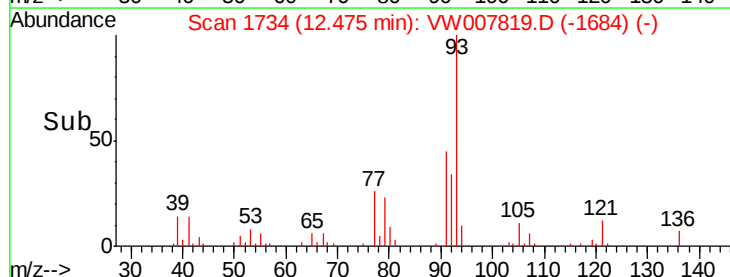
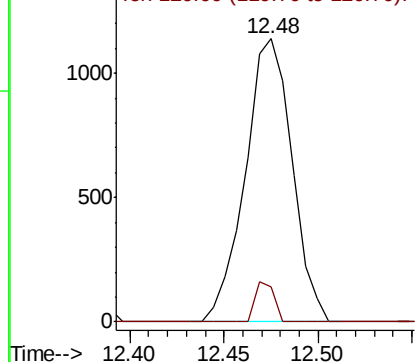
Ion Ratio Lower Upper

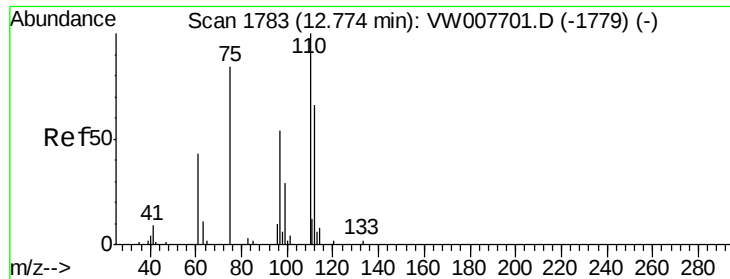
105 100

120 5.6 13.1 39.3#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

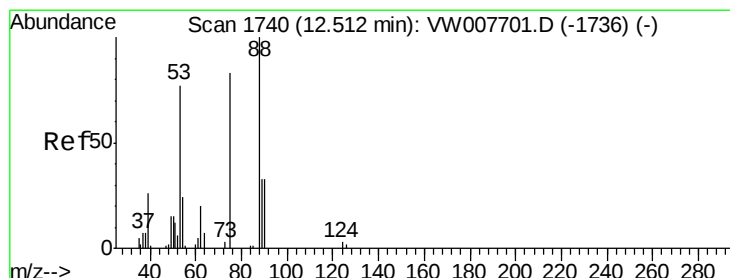
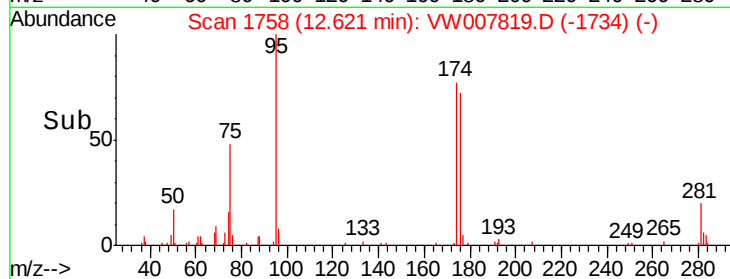
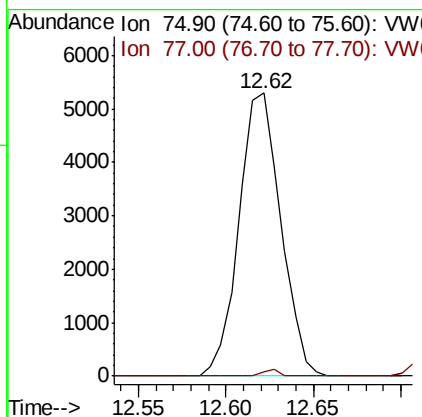
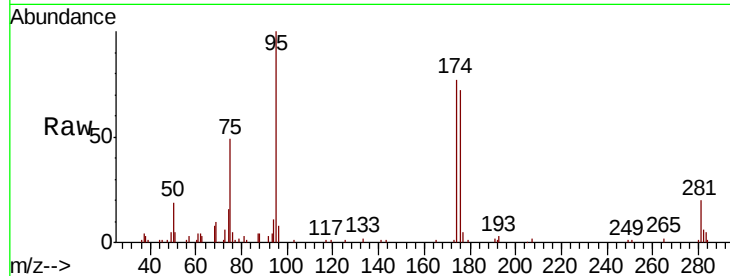




#76
 1,2,3-Trichloropropane
 Concen: 74.565 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007819.D
 Acq: 22 Dec 2018 01:54

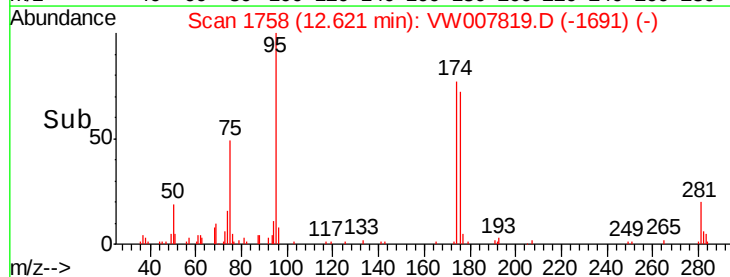
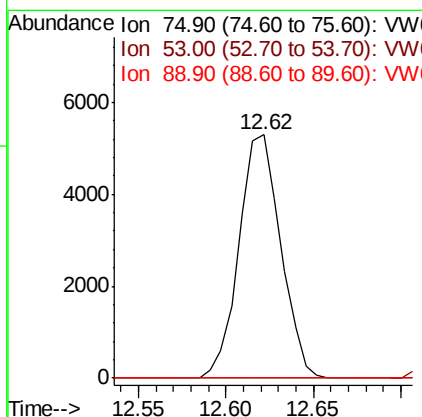
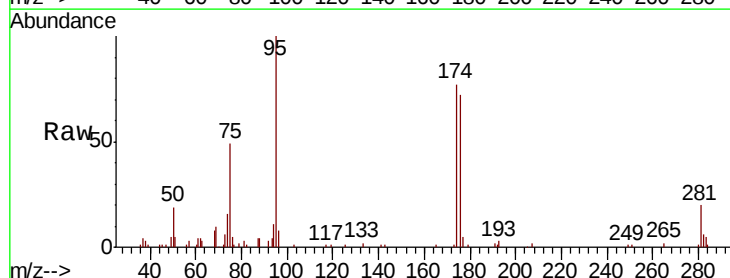
Instrument :
 MSVOA_W
 ClientSampleId :

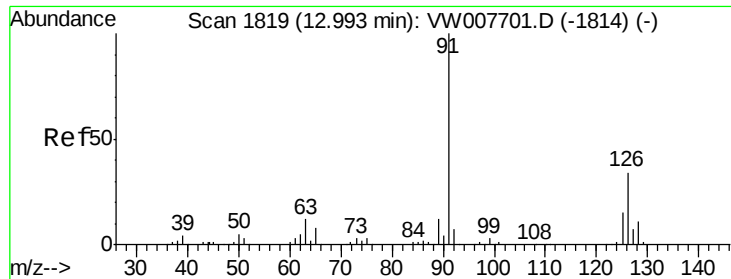
Tot Ion: 75 Resp: 8790
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 156.517 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW007819.D
 Acq: 22 Dec 2018 01:54

Tgt Ion: 75 Resp: 8790
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.0 39.2 58.8#

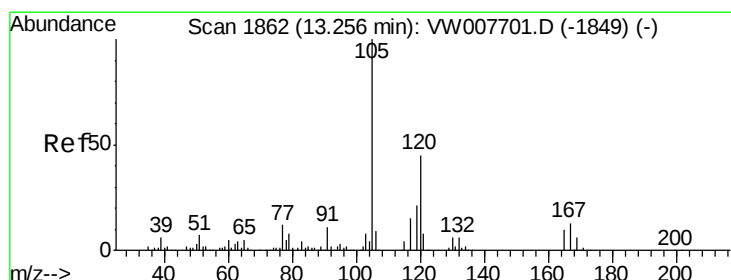
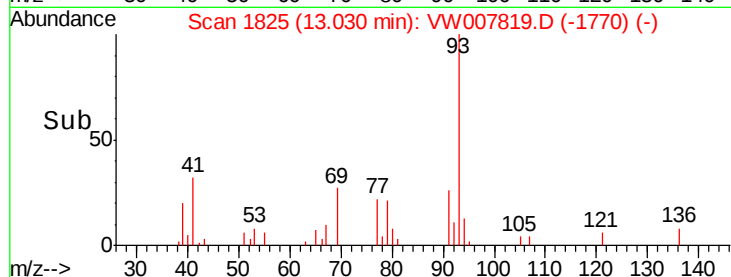
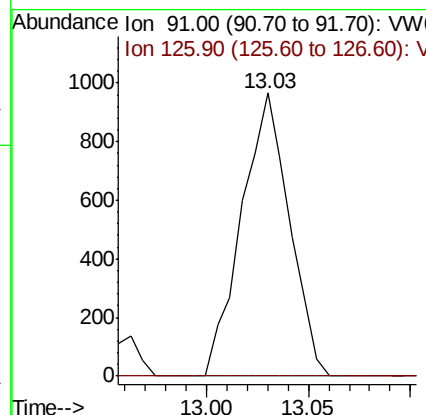
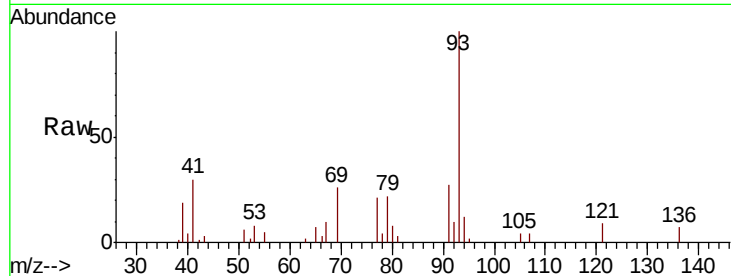




#82
4-Chlorotoluene
Concen: 1.896 ug/l
RT: 13.03 min Scan# 1825
Delta R.T. 0.04 min
Lab File: VW007819.D
Acq: 22 Dec 2018 01:54

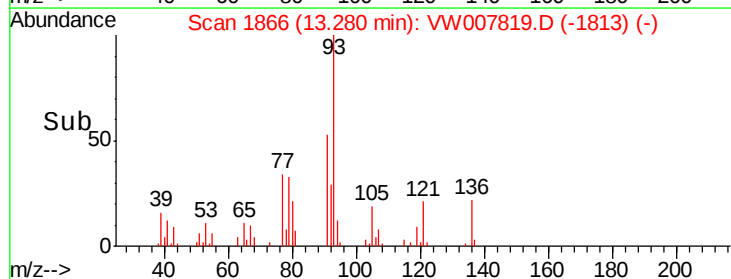
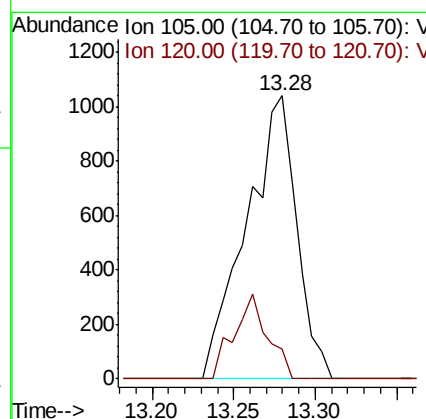
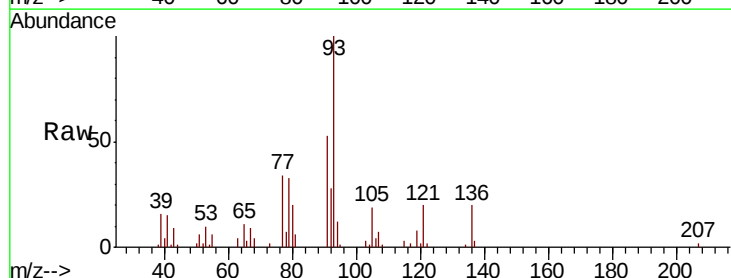
Instrument :
MSVOA_W
ClientSampled :

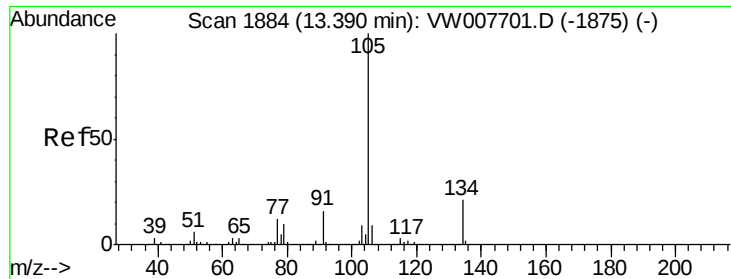
Tot Ion: 91 Resp: 1578
Ion Ratio Lower Upper
91 100
126 0.0 16.5 49.5#



#84
1,2,4-Trimethylbenzene
Concen: 2.227 ug/l
RT: 13.28 min Scan# 1866
Delta R.T. 0.02 min
Lab File: VW007819.D
Acq: 22 Dec 2018 01:54

Tgt Ion:105 Resp: 2235
Ion Ratio Lower Upper
105 100
120 20.2 22.0 66.0#





#85

sec-Butylbenzene

Concen: 1.859 ug/l

RT: 13.28 min Scan# 1866

Delta R.T. -0.11 min

Lab File: VW007819.D

Acq: 22 Dec 2018 01:54

Instrument :

MSVOA_W

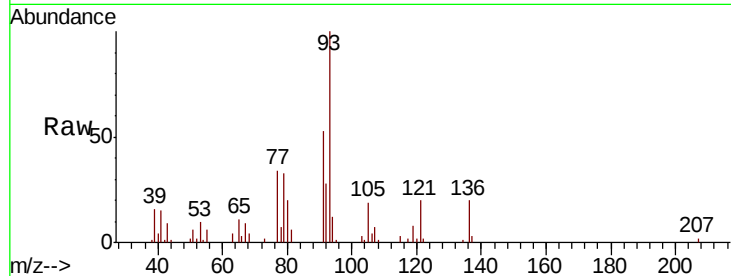
ClientSampleId :

Tot Ion:105 Resp: 2235

Ion Ratio Lower Upper

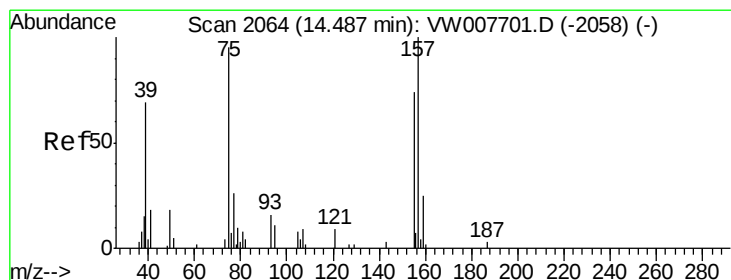
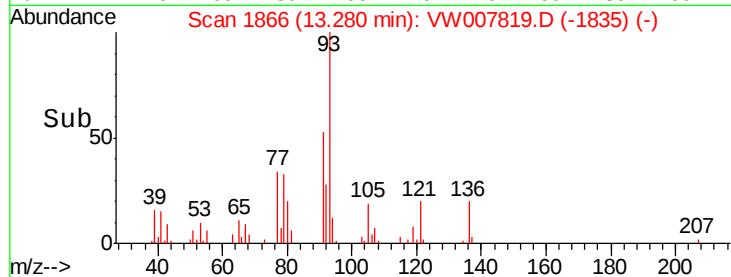
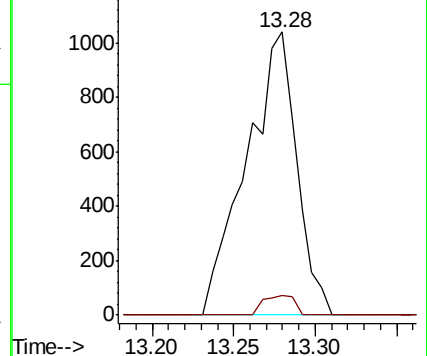
105 100

134 4.3 10.2 30.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.141 ug/l

RT: 14.34 min Scan# 2040

Delta R.T. -0.15 min

Lab File: VW007819.D

Acq: 22 Dec 2018 01:54

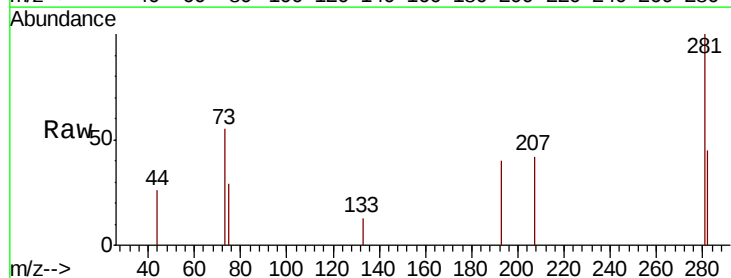
Tgt Ion: 75 Resp: 76

Ion Ratio Lower Upper

75 100

155 0.0 39.4 118.1#

157 0.0 52.0 156.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

