

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV120618\
 Data File : VW007296.D
 Acq On : 06 Dec 2018 22:58
 Operator : SY/AP
 Sample : J6195-01RE
 Misc : 6.97G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 07 01:18:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

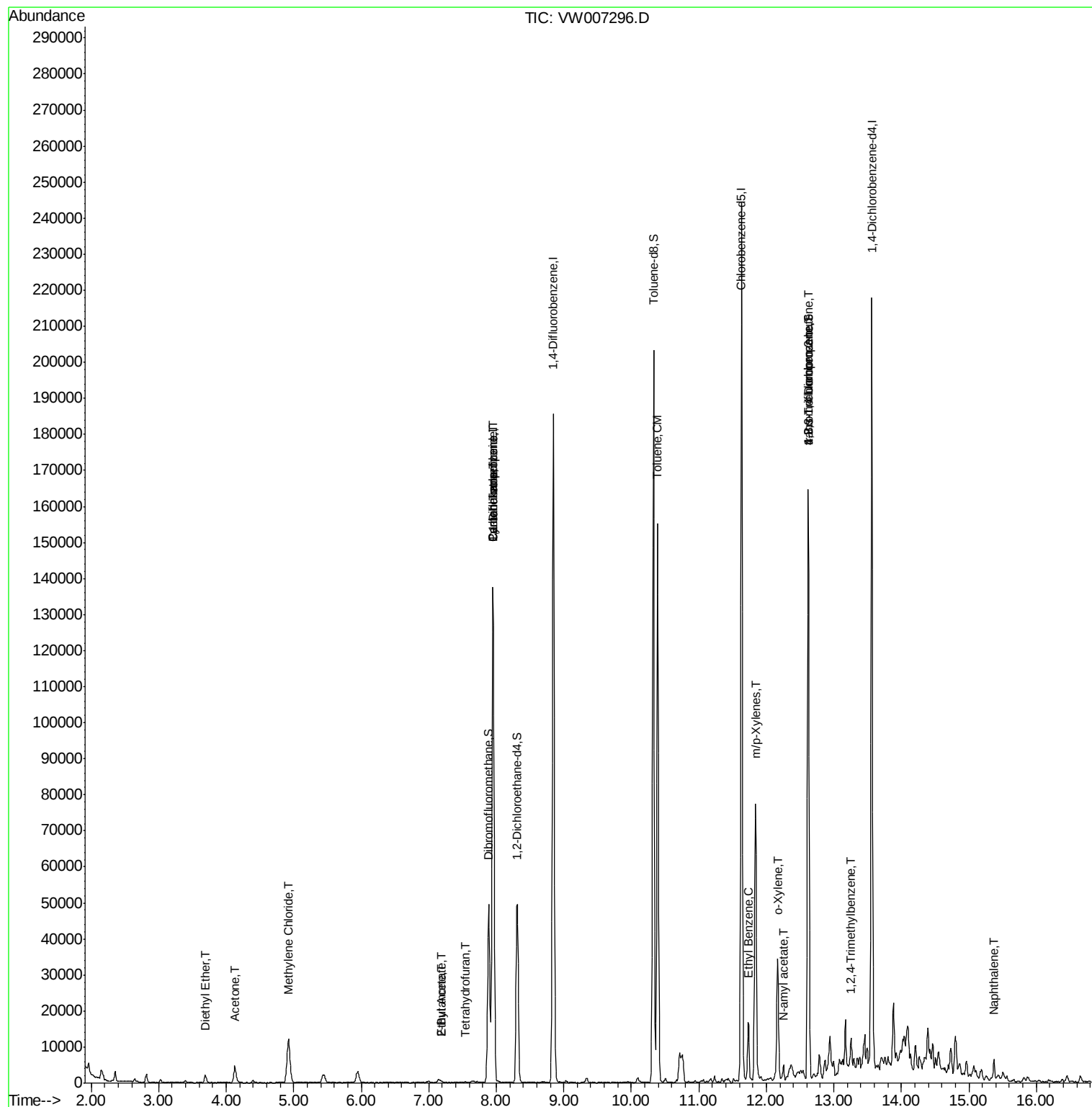
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	104128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	164592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	138073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	57960	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	40568	41.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.70%	
35) Dibromofluoromethane	7.89	113	36966	39.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.44%	
50) Toluene-d8	10.33	98	139728	33.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.32%	
62) 4-Bromofluorobenzene	12.62	95	52543	33.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.06%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.69	74	1165	2.373	ug/l	95
11) Tert butyl alcohol	5.17	59	85	Below Cal	#	75
16) Acetone	4.13	43	7651	33.337	ug/l	99
20) Methylene Chloride	4.93	84	9888	3.729	ug/l	91
25) 2-Butanone	7.19	43	948	3.563	ug/l #	46
29) Tetrahydrofuran	7.53	42	306	1.861	ug/l #	48
31) Cyclohexane	7.95	56	2251	1.170	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	7656	4.780	ug/l #	49
37) Ethyl Acetate	7.19	43	948	1.636	ug/l #	67
38) Carbon Tetrachloride	7.95	117	10507	6.428	ug/l #	17
52) Toluene	10.39	92	66758	21.853	ug/l	98
67) Ethyl Benzene	11.73	91	11594	2.063	ug/l	97
68) m/p-Xylenes	11.84	106	22790	10.336	ug/l	92
69) o-Xylene	12.17	106	8717	4.232	ug/l	89
74) N-amyl acetate	12.26	43	1195	1.430	ug/l #	63
76) 1,2,3-Trichloropropane	12.62	75	26016	57.969	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	26016	124.944	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.26	105	5113	1.242	ug/l	98
95) Naphthalene	15.38	128	5047	2.247	ug/l	98

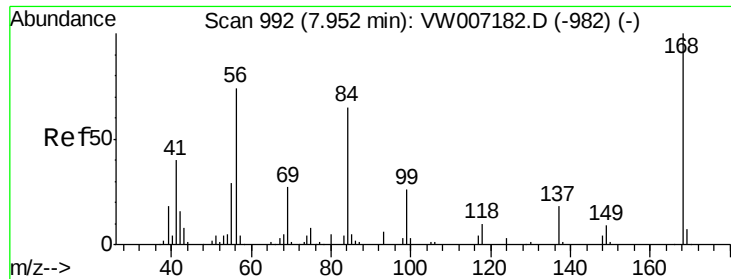
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 05 01:35:23 2018
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: VW007296.D

Acq: 06 Dec 2018 22:58

Instrument :

MSVOA_W

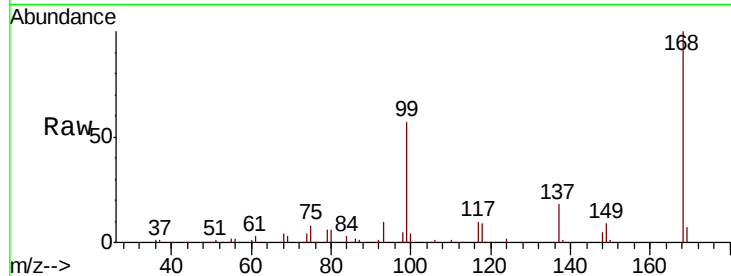
ClientSampled :

Tot Ion:168 Resp: 104128

Ion Ratio Lower Upper

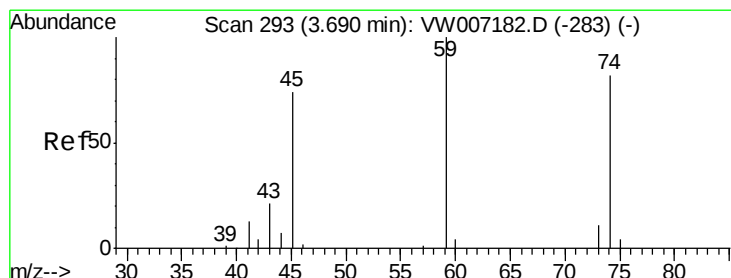
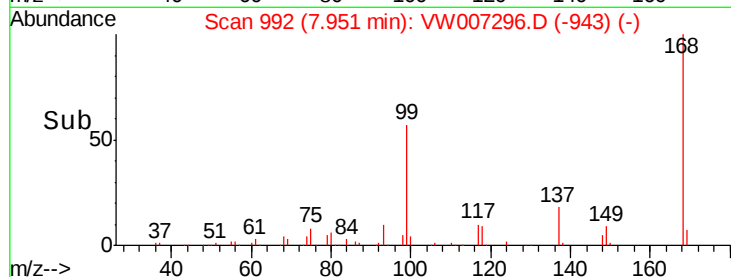
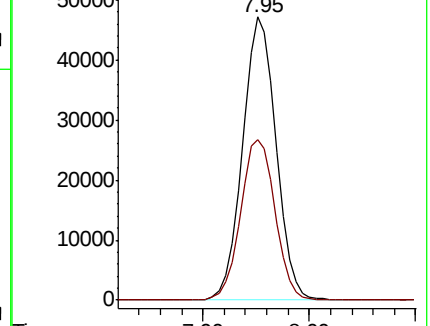
168 100

99 56.9 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.373 ug/l

RT: 3.69 min Scan# 293

Delta R.T. -0.00 min

Lab File: VW007296.D

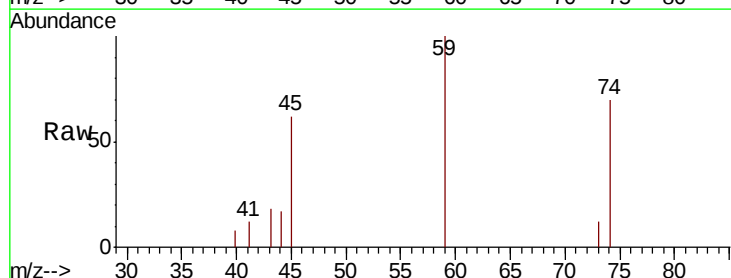
Acq: 06 Dec 2018 22:58

Tgt Ion: 74 Resp: 1165

Ion Ratio Lower Upper

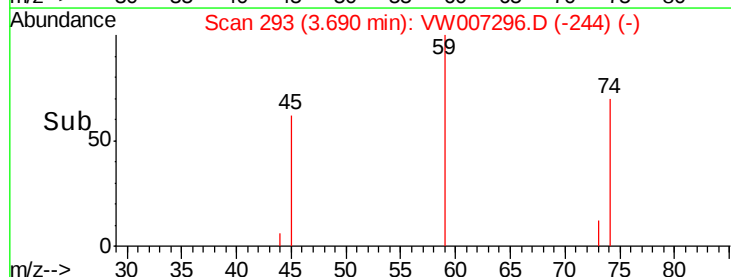
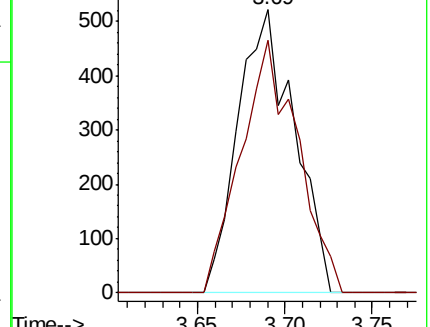
74 100

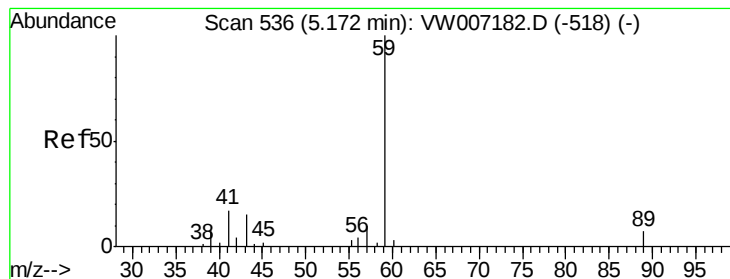
45 90.0 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



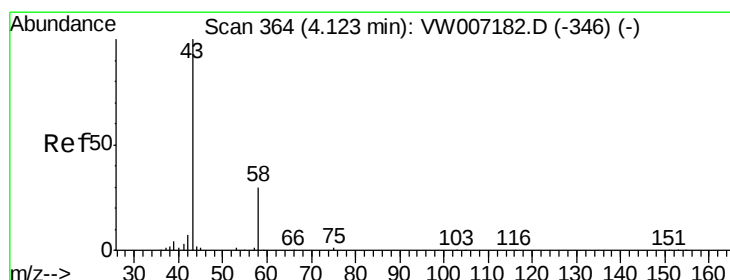
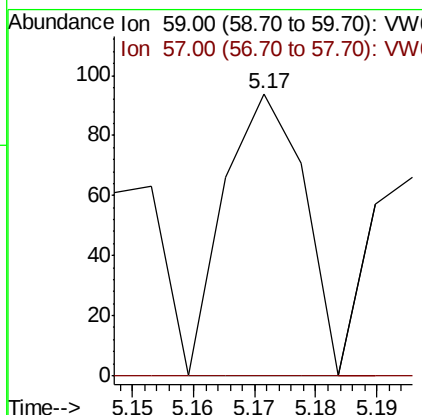
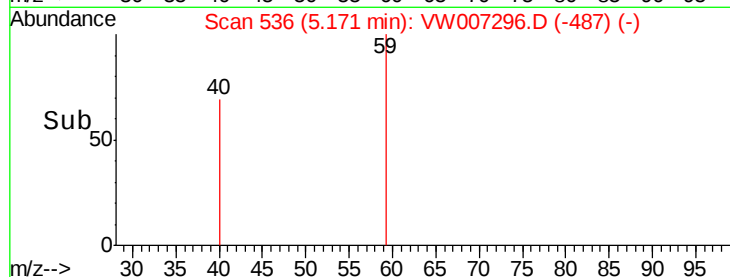
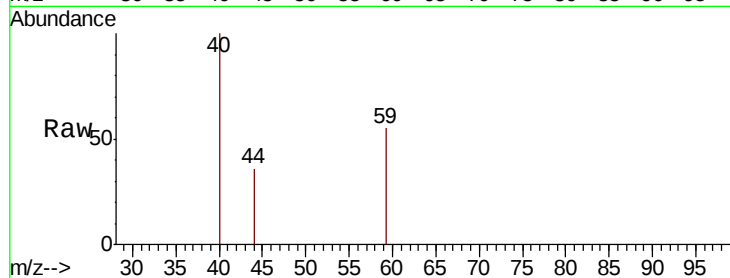


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW007296.D
 Acq: 06 Dec 2018 22:58

Instrument :
 MSVOA_W
 ClientSampled :

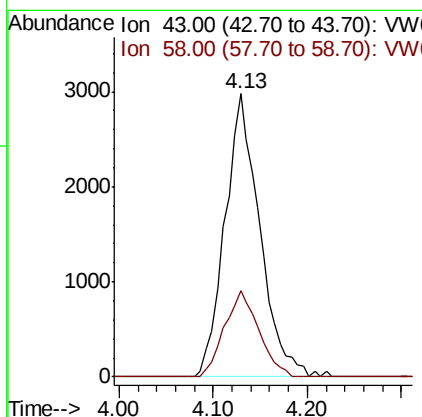
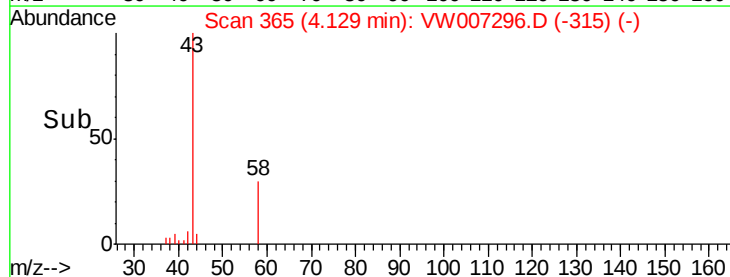
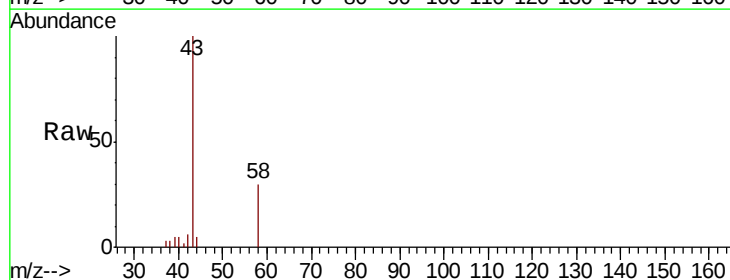
Tot Ion: 59 Resp: 85
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.1 10.7#

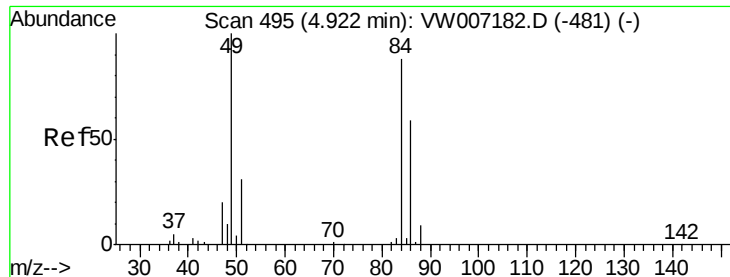


#16

Acetone
 Concen: 33.337 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW007296.D
 Acq: 06 Dec 2018 22:58

Tgt Ion: 43 Resp: 7651
 Ion Ratio Lower Upper
 43 100
 58 30.4 23.8 35.8

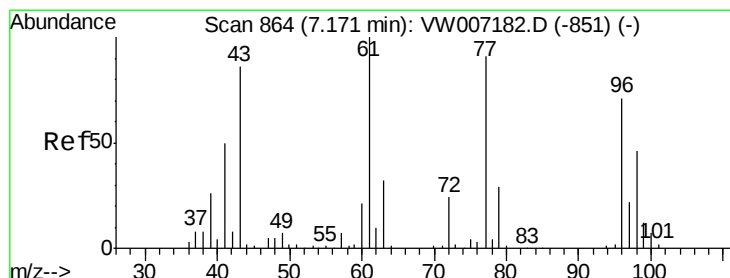
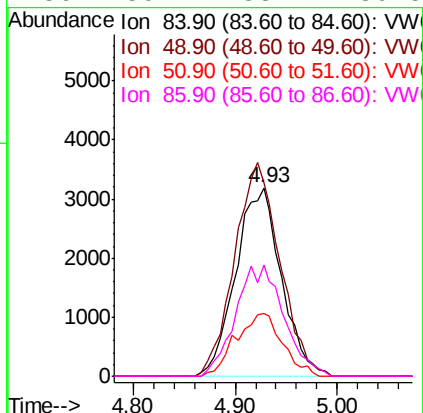
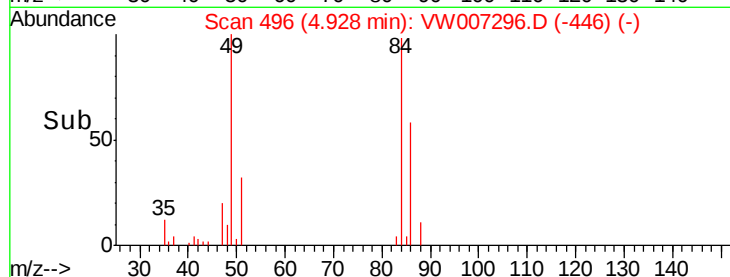
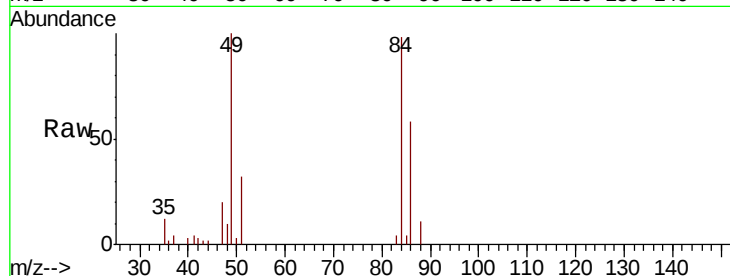




#20
Methvlene Chloride
Concen: 3.729 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW007296.D
Acq: 06 Dec 2018 22:58

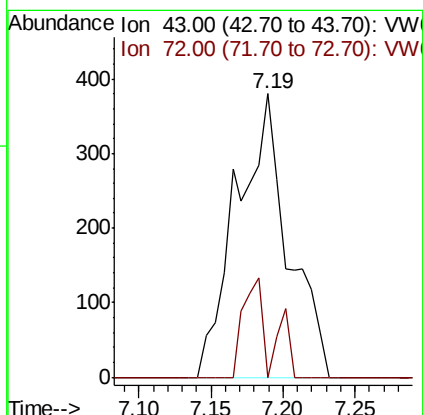
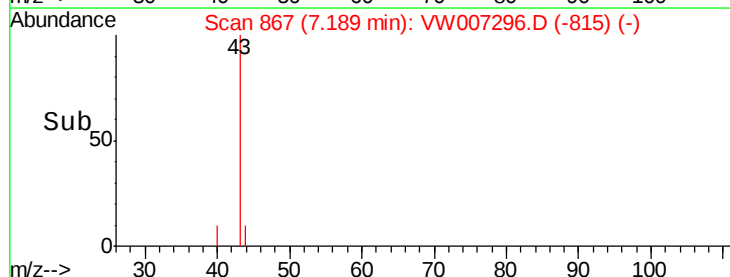
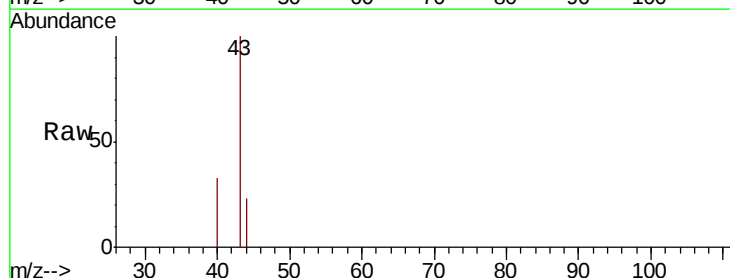
Instrument :
MSVOA_W
ClientSampled :

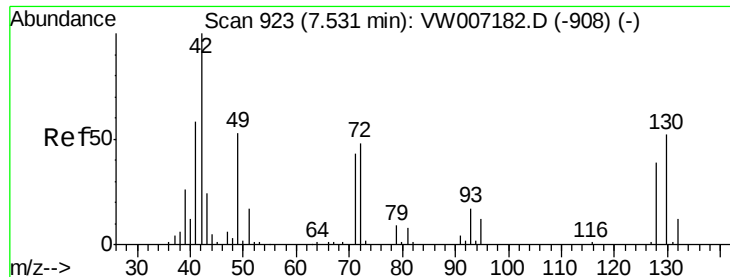
Tot Ion: 84 Resp: 9888
Ion Ratio Lower Upper
84 100
49 102.4 90.6 135.8
51 33.2 27.6 41.4
86 59.1 53.7 80.5



#25
2-Butanone
Concen: 3.563 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW007296.D
Acq: 06 Dec 2018 22:58

Tgt Ion: 43 Resp: 948
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#

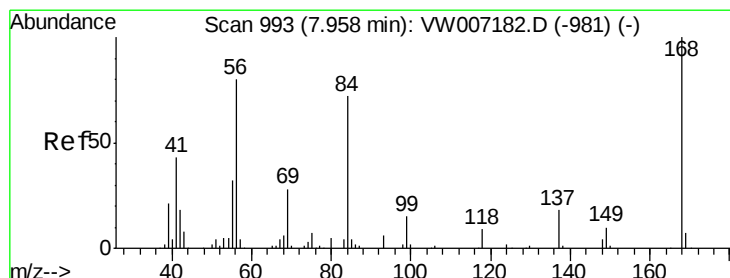
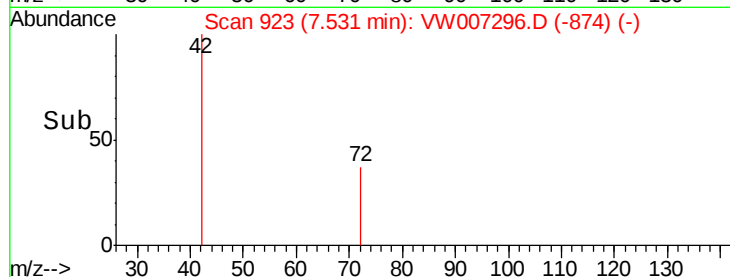
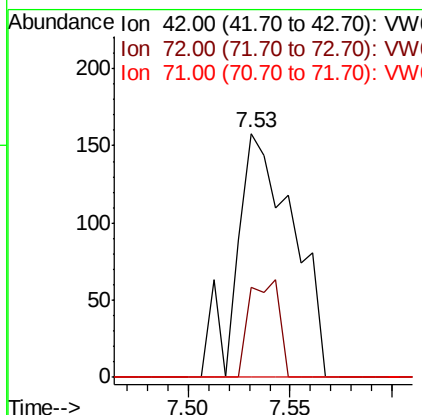
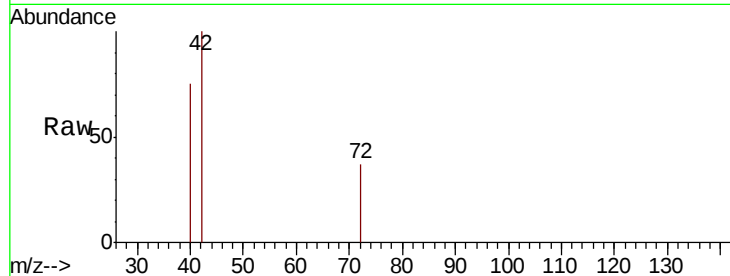




#29
Tetrahydrofuran
Concen: 1.861 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW007296.D
Acq: 06 Dec 2018 22:58

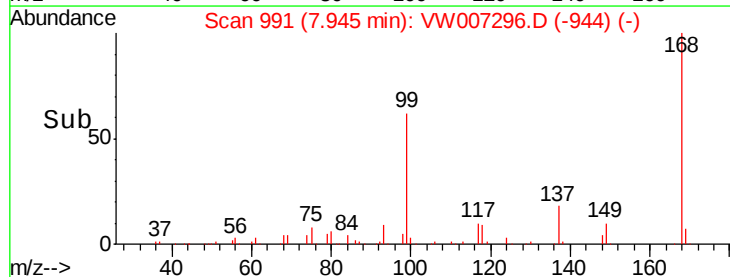
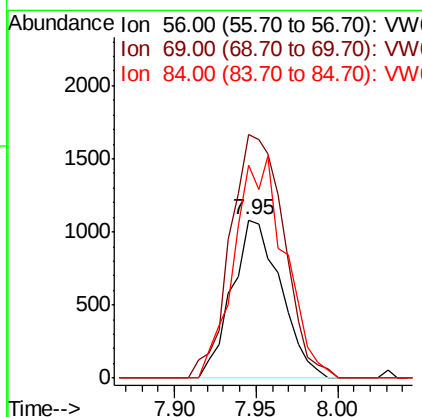
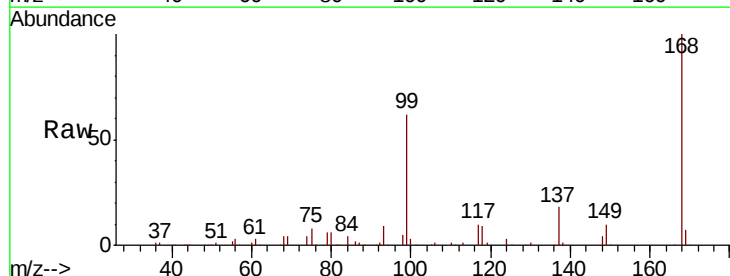
Instrument :
MSVOA_W
ClientSampleId :

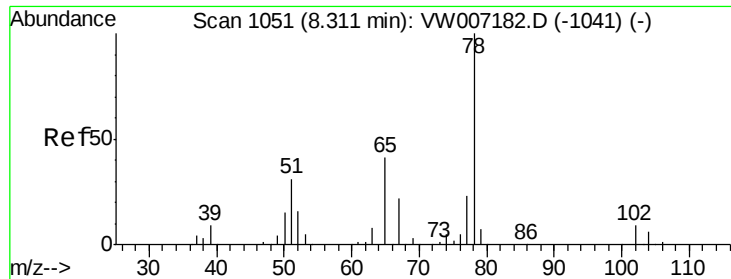
Tot Ion: 42 Resp: 306
Ion Ratio Lower Upper
42 100
72 20.9 36.6 55.0#
71 0.0 34.8 52.2#



#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007296.D
Acq: 06 Dec 2018 22:58

Tgt Ion: 56 Resp: 2251
Ion Ratio Lower Upper
56 100
69 154.0 28.2 42.2#
84 134.8 72.1 108.1#

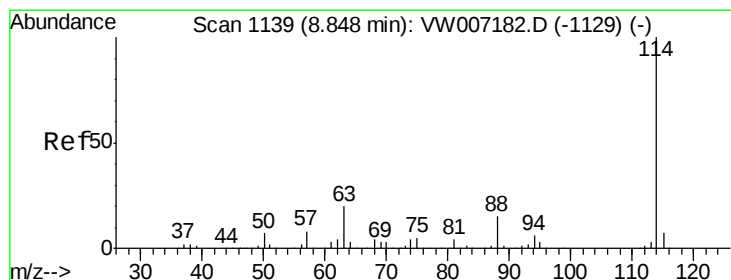
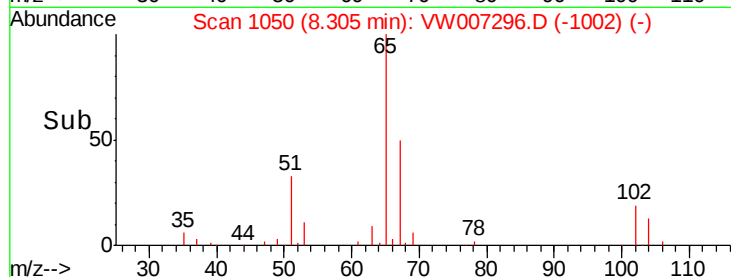
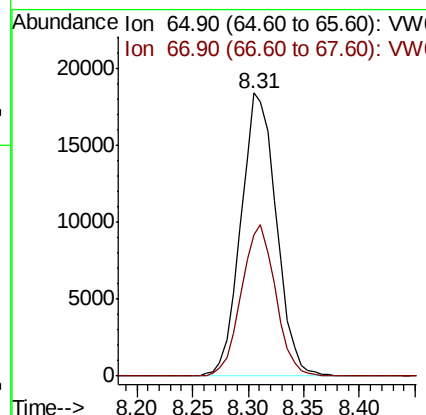
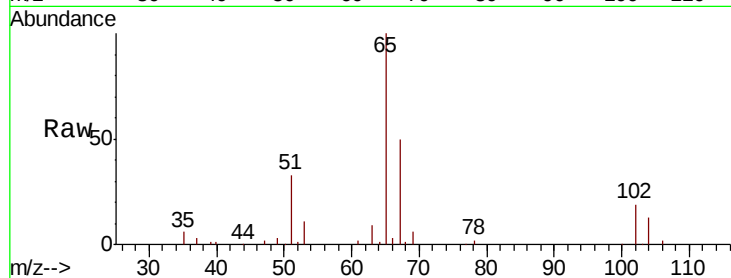




#33
 1,2-Dichloroethane-d4
 Concen: 41.845 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007296.D
 Acq: 06 Dec 2018 22:58

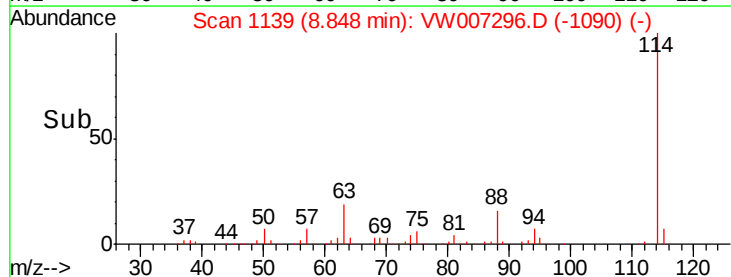
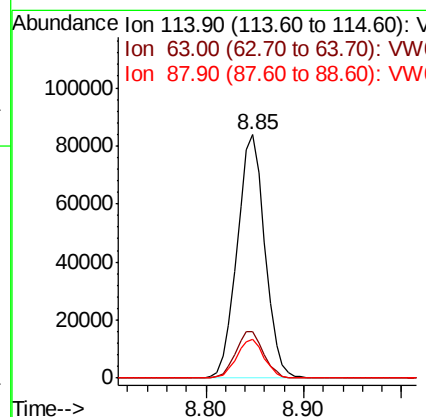
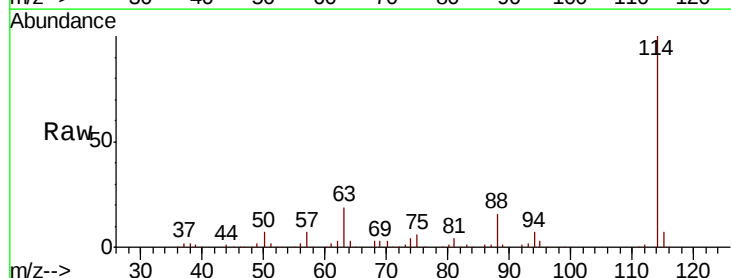
Instrument :
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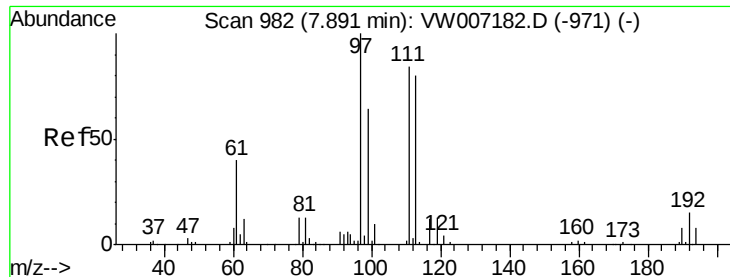
Tot Ion: 65 Resp: 40568
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007296.D
 Acq: 06 Dec 2018 22:58

Tgt Ion: 114 Resp: 164592
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.2
 88 16.1 0.0 30.0

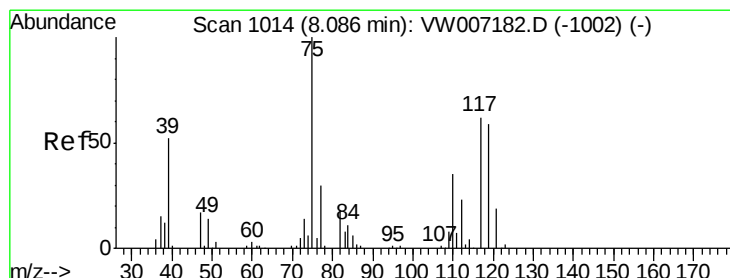
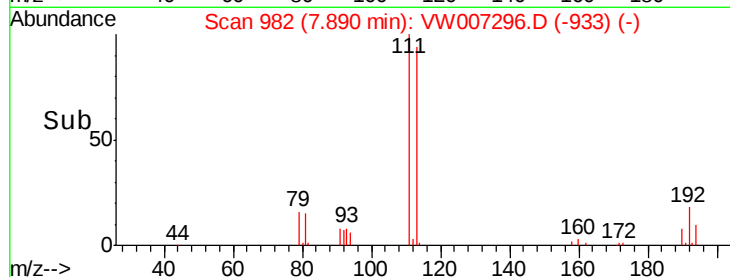
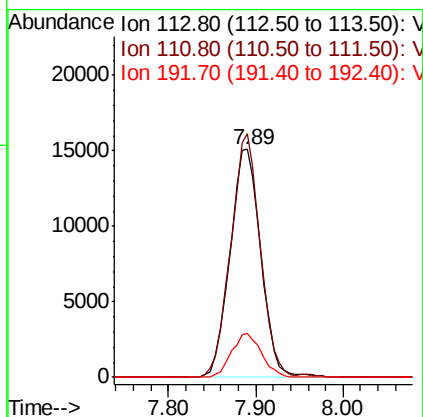
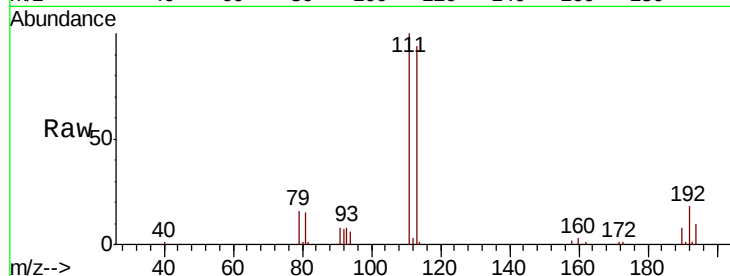




#35
 Dibromofluoromethane
 Concen: 39.223 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007296.D
 Acq: 06 Dec 2018 22:58

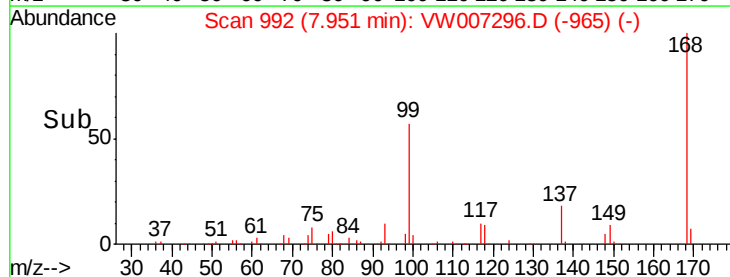
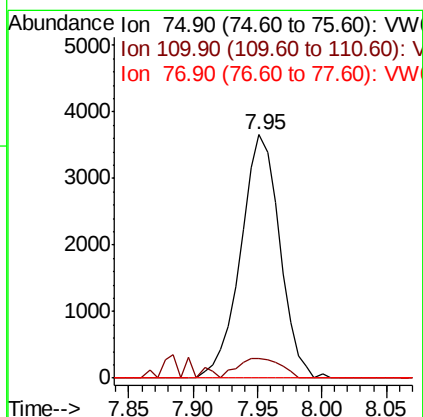
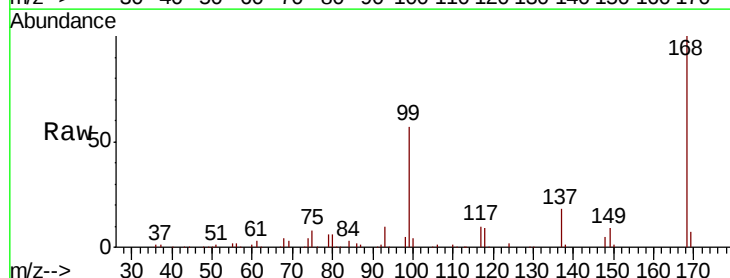
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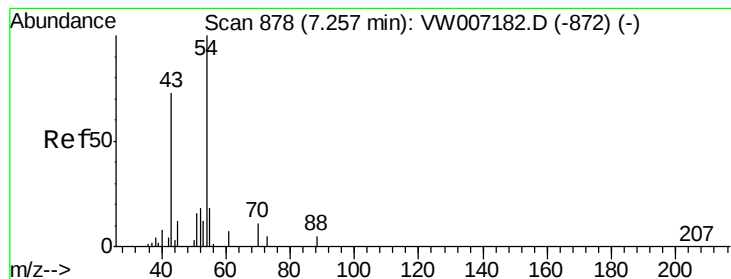
Tot Ion:113 Resp: 36966
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.2 123.4
 192 18.6 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 4.780 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007296.D
 Acq: 06 Dec 2018 22:58

Tgt Ion: 75 Resp: 7656
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.3 54.9#
 77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.636 ug/l

RT: 7.19 min Scan# 867

Delta R.T. -0.07 min

Lab File: VW007296.D

Acq: 06 Dec 2018 22:58

Instrument :

MSVOA_W

ClientSampleId :

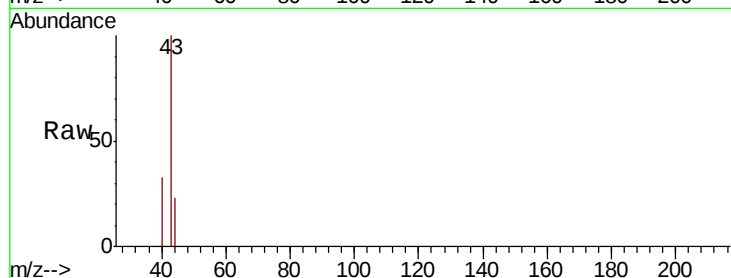
Tot Ion: 43 Resp: 948

Ion Ratio Lower Upper

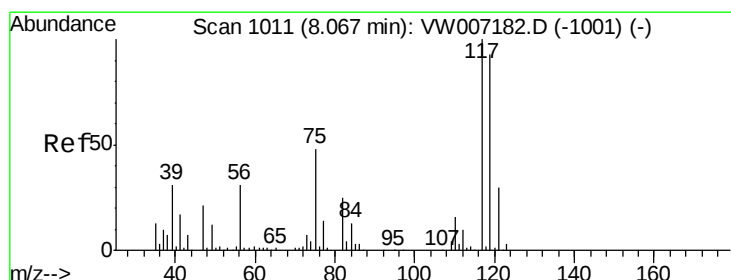
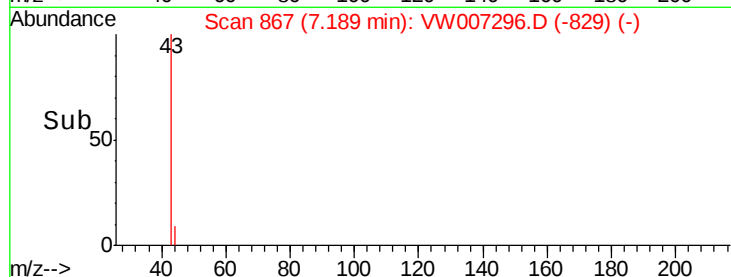
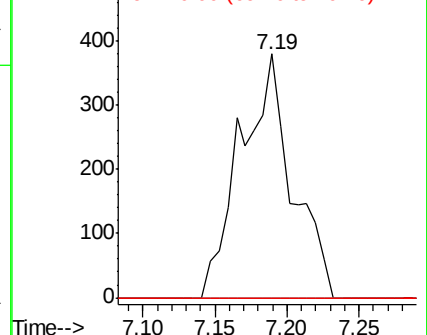
43 100

61 0.0 12.1 18.1#

70 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.428 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007296.D

Acq: 06 Dec 2018 22:58

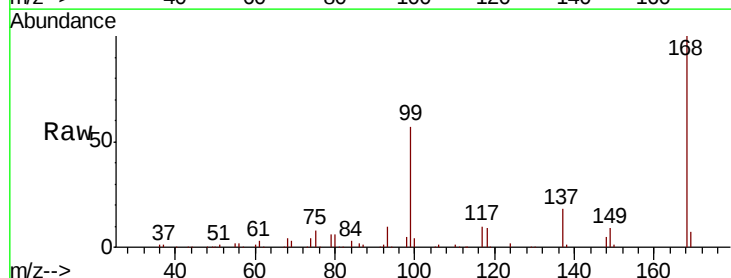
Tgt Ion: 117 Resp: 10507

Ion Ratio Lower Upper

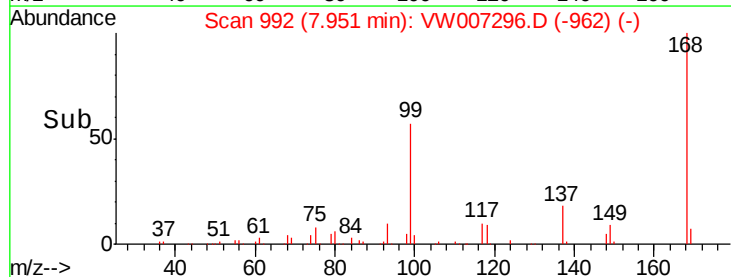
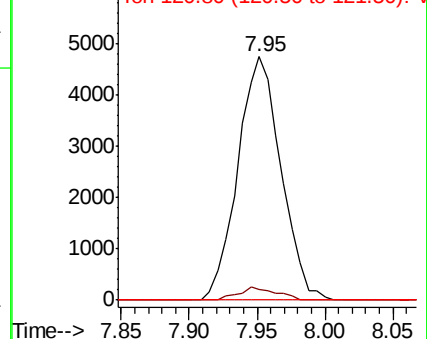
117 100

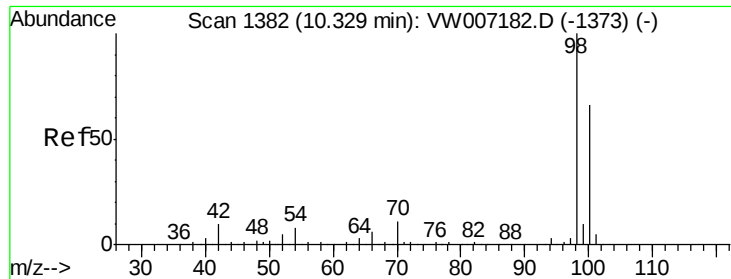
119 4.5 74.1 111.1#

121 0.0 23.9 35.9#



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: 33.657 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007296.D

Acq: 06 Dec 2018 22:58

Instrument :

MSVOA_W

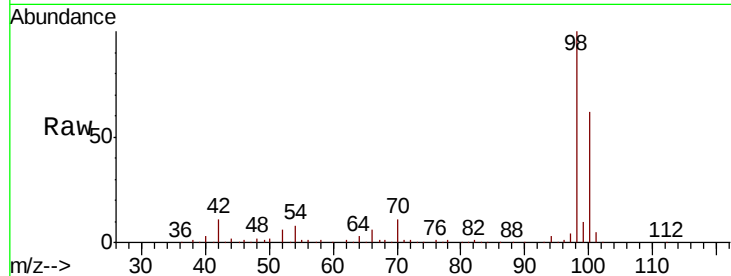
ClientSampleId :

Tot Ion: 98 Resp: 139728

Ion Ratio Lower Upper

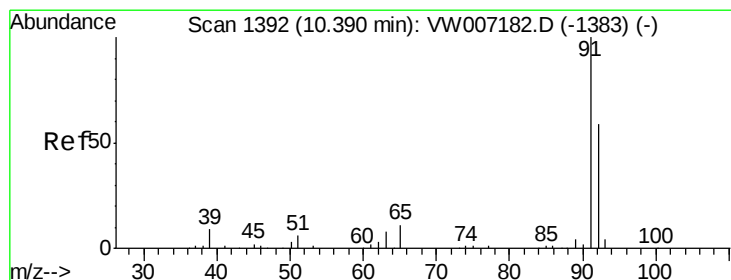
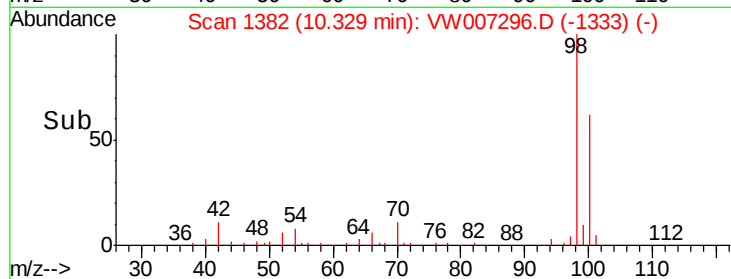
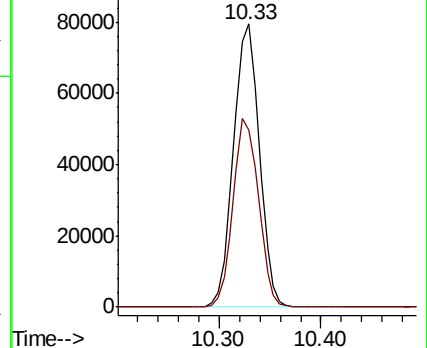
98 100

100 65.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 21.853 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007296.D

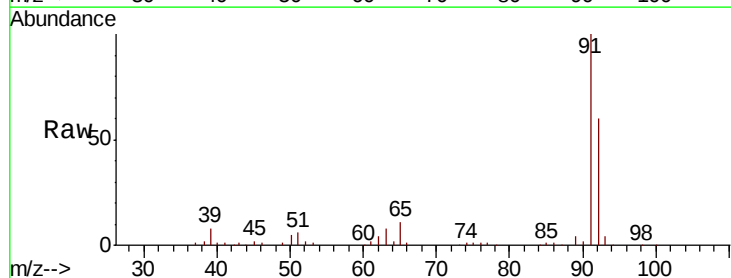
Acq: 06 Dec 2018 22:58

Tgt Ion: 92 Resp: 66758

Ion Ratio Lower Upper

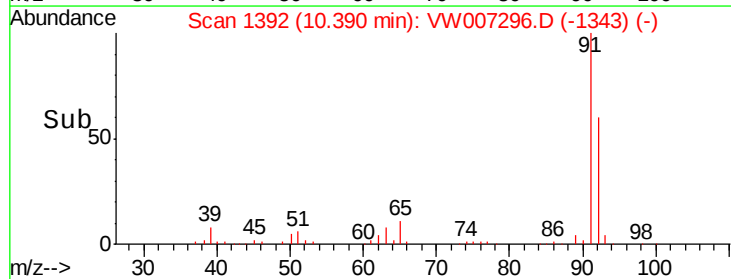
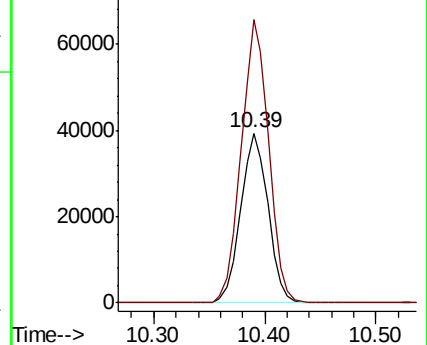
92 100

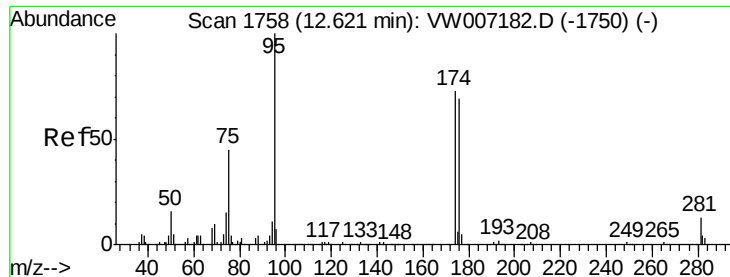
91 167.5 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

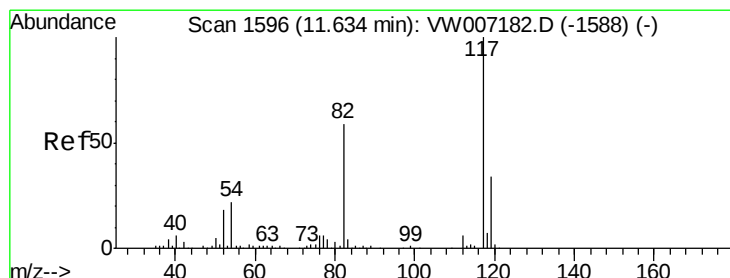
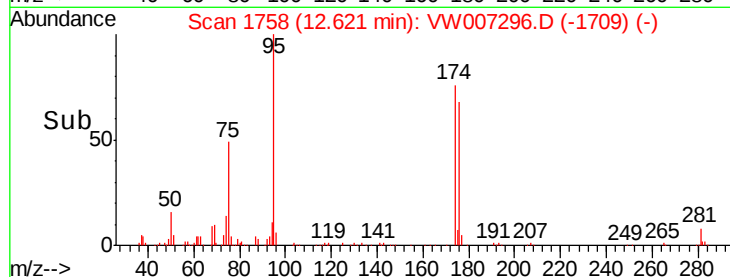
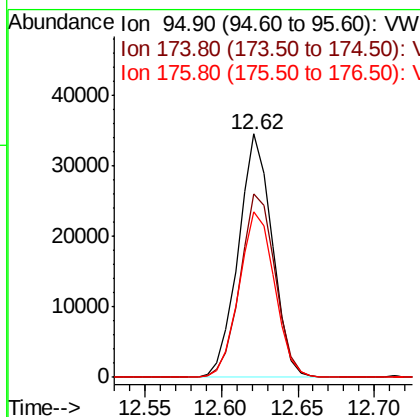
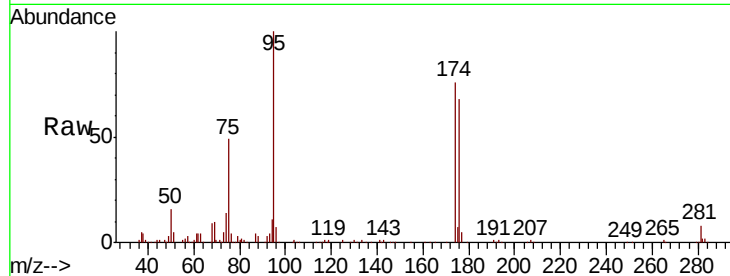




#62
4-Bromofluorobenzene
Concen: 33.532 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007296.D
Acq: 06 Dec 2018 22:58

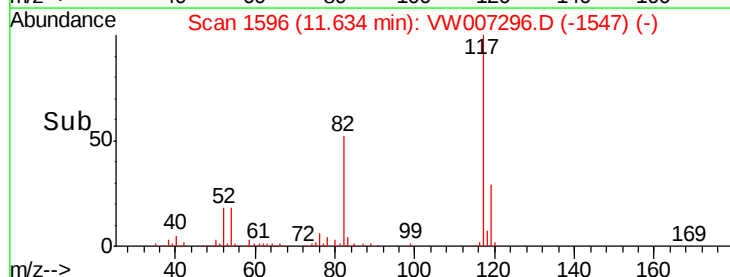
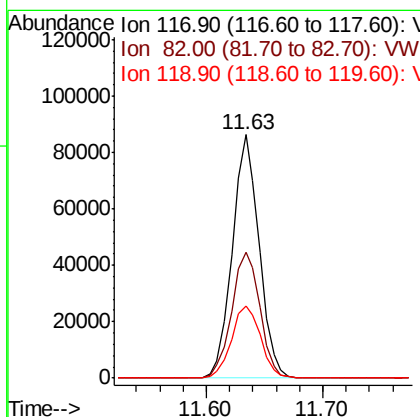
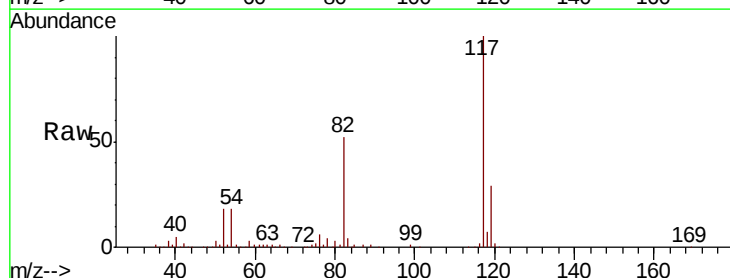
Instrument :
MSVOA_W
ClientSampleId :

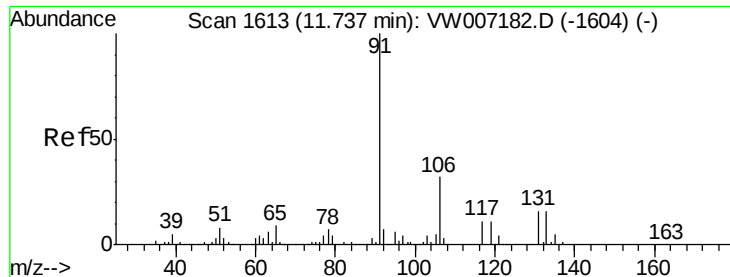
Tot Ion: 95 Resp: 52543
Ion Ratio Lower Upper
95 100
174 78.6 0.0 148.0
176 71.7 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007296.D
Acq: 06 Dec 2018 22:58

Tgt Ion: 117 Resp: 138073
Ion Ratio Lower Upper
117 100
82 51.8 47.4 71.2
119 29.3 26.8 40.2

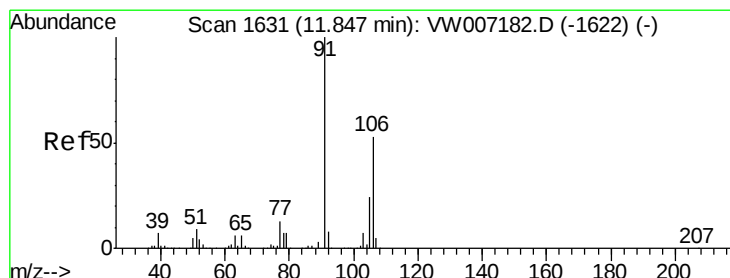
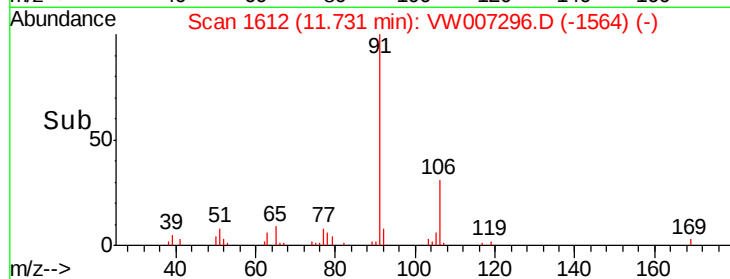
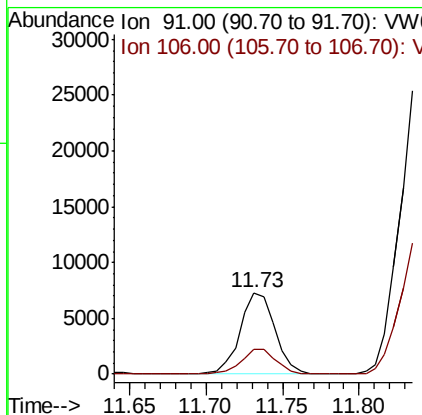
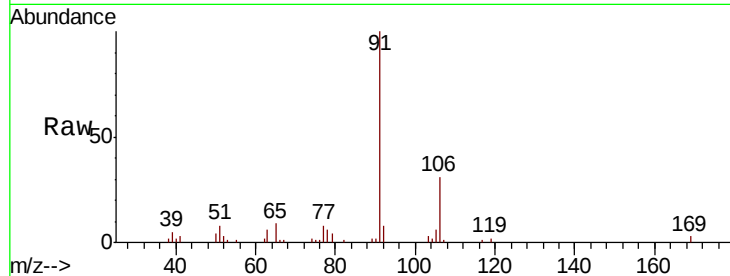




#67
Ethyl Benzene
Concen: 2.063 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW007296.D
Acq: 06 Dec 2018 22:58

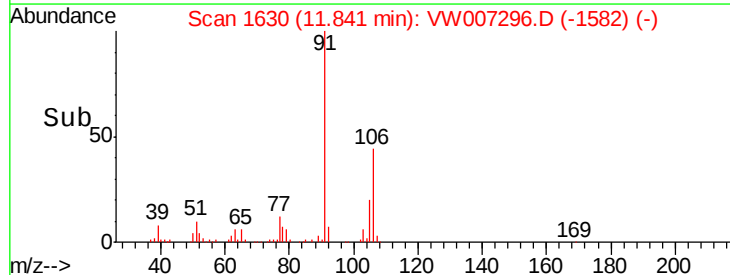
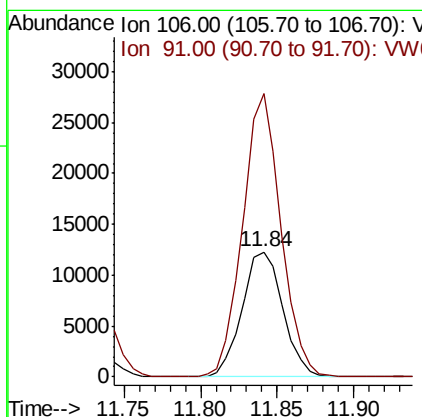
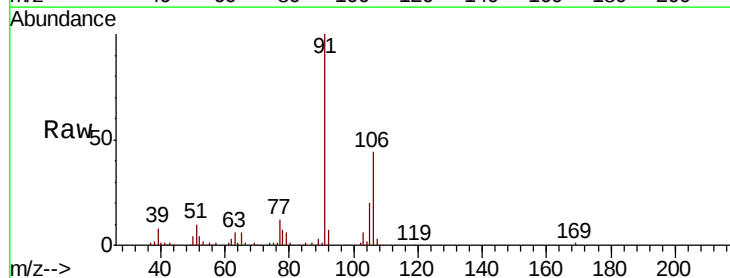
Instrument :
MSVOA_W
ClientSampleId :

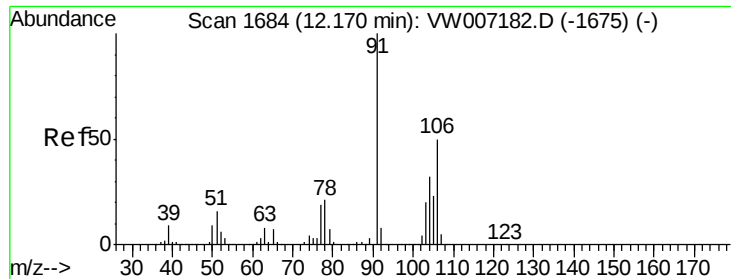
Tot Ion: 91 Resp: 11594
Ion Ratio Lower Upper
91 100
106 30.7 26.0 39.0



#68
m/p-Xylenes
Concen: 10.336 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007296.D
Acq: 06 Dec 2018 22:58

Tgt Ion: 106 Resp: 22790
Ion Ratio Lower Upper
106 100
91 212.7 160.2 240.4

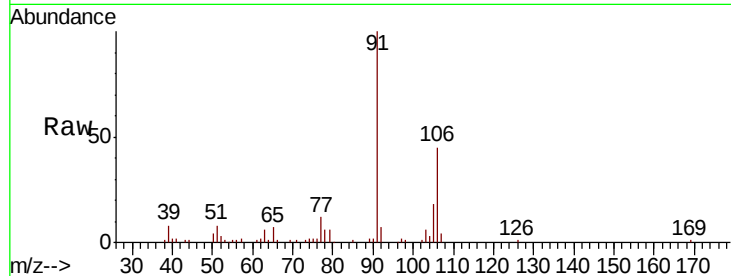




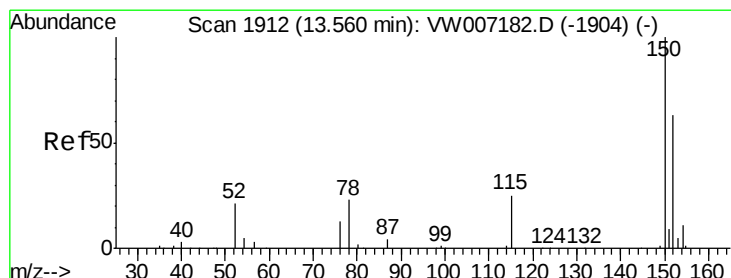
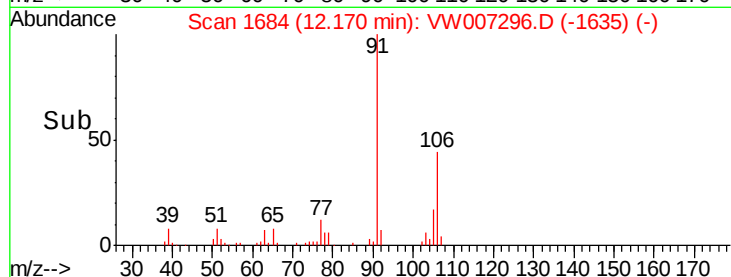
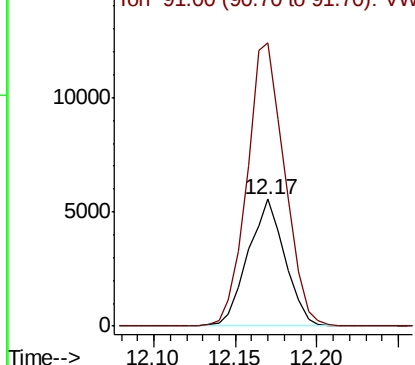
#69
o-Xylene
Concen: 4.232 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007296.D
Acq: 06 Dec 2018 22:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 8717
Ion Ratio Lower Upper
106 100
91 226.8 104.9 314.7

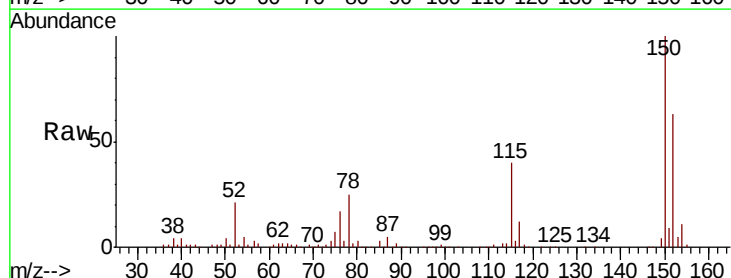


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

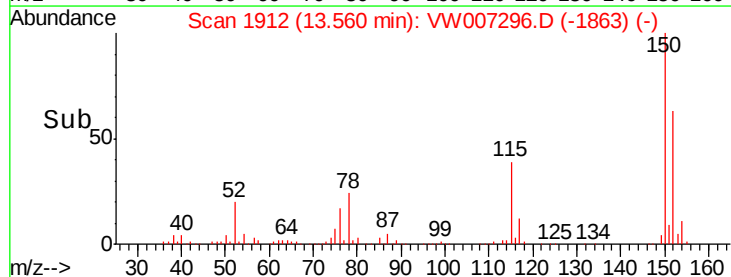
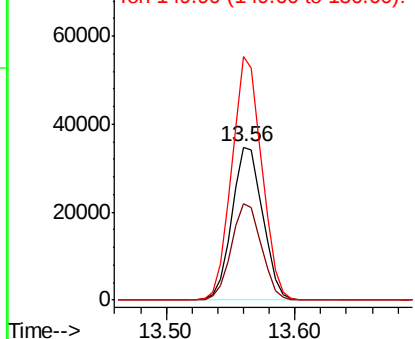


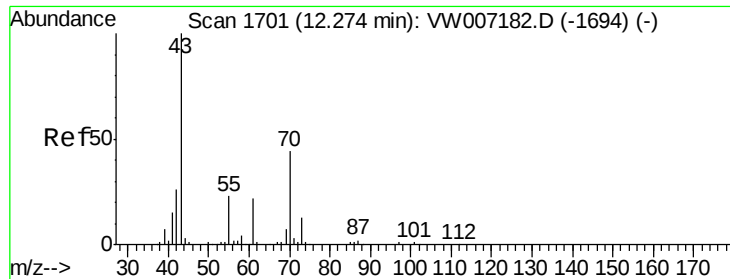
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007296.D
Acq: 06 Dec 2018 22:58

Tgt Ion:152 Resp: 57960
Ion Ratio Lower Upper
152 100
115 61.8 31.3 93.8
150 154.7 0.0 358.0



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





#74

N-amvl acetate

Concen: 1.430 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007296.D

Acq: 06 Dec 2018 22:58

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 1195

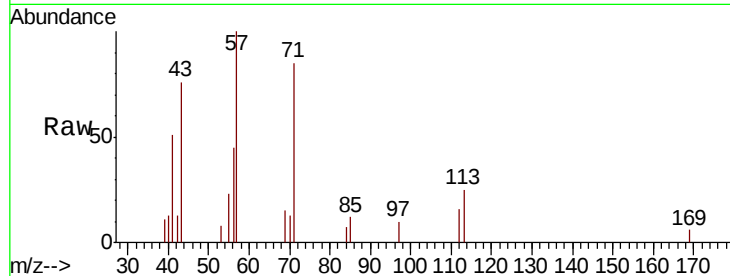
Ion Ratio Lower Upper

43 100

70 22.0 34.0 51.0#

55 39.4 19.0 28.6#

61 0.0 19.7 29.5#

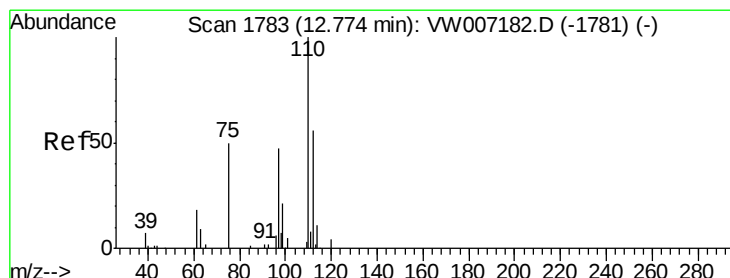
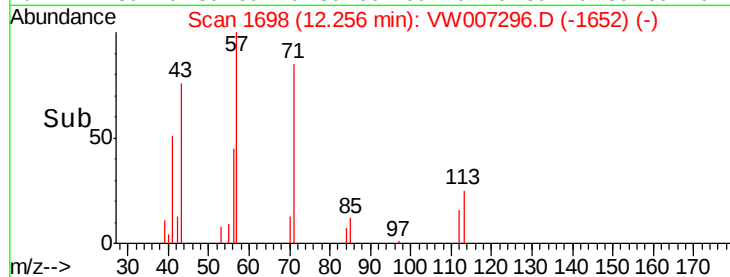
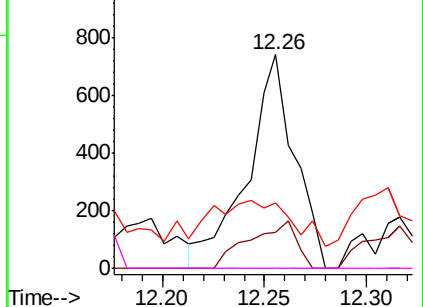


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 57.969 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007296.D

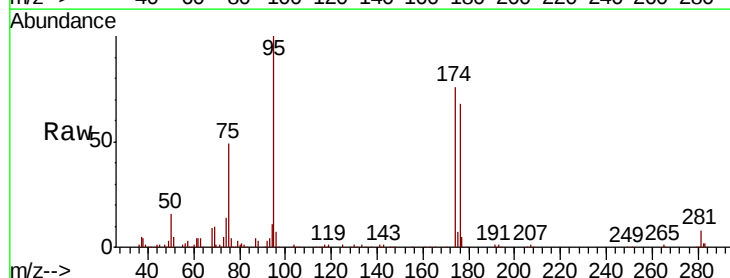
Acq: 06 Dec 2018 22:58

Tgt Ion: 75 Resp: 26016

Ion Ratio Lower Upper

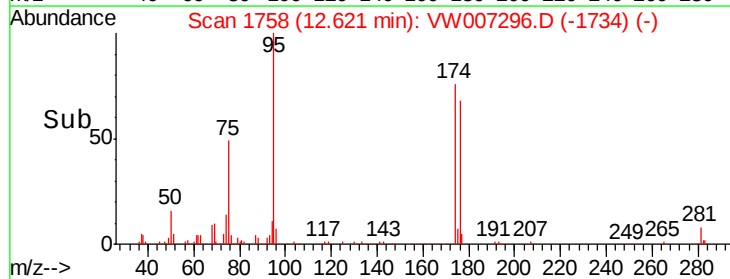
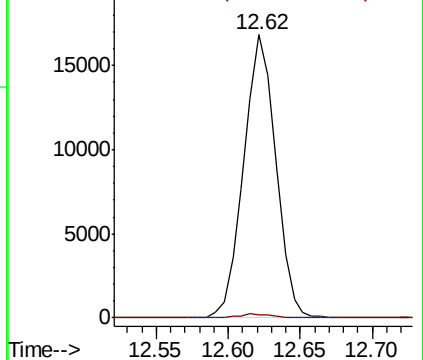
75 100

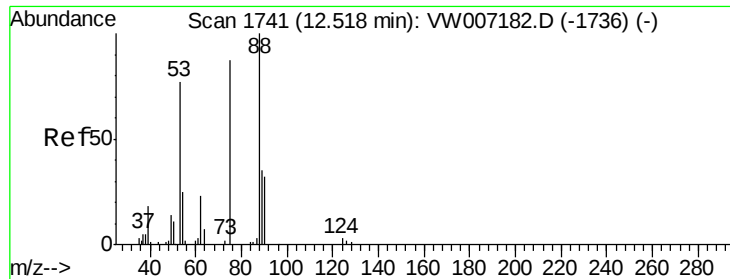
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

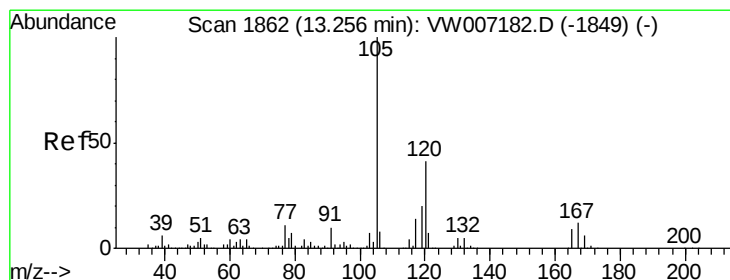
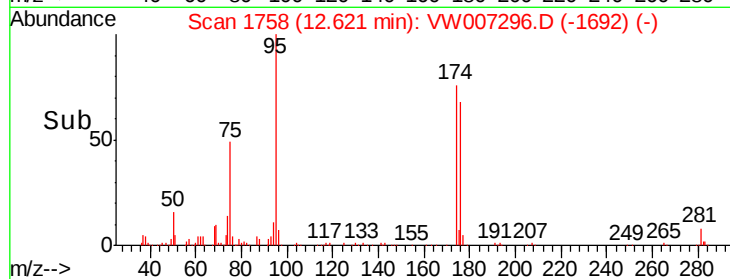
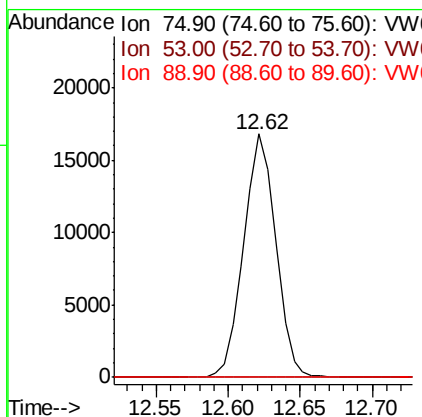
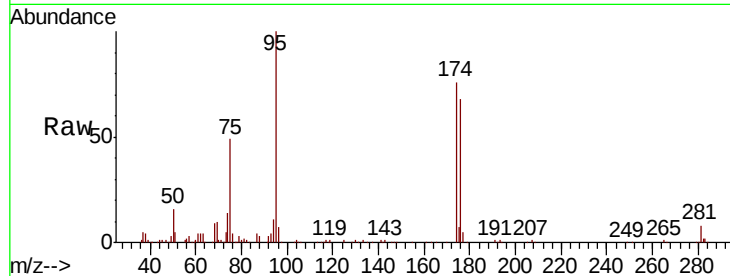




#81
trans-1,4-Dichloro-2-butene
Concen: 124.944 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW007296.D
Acq: 06 Dec 2018 22:58

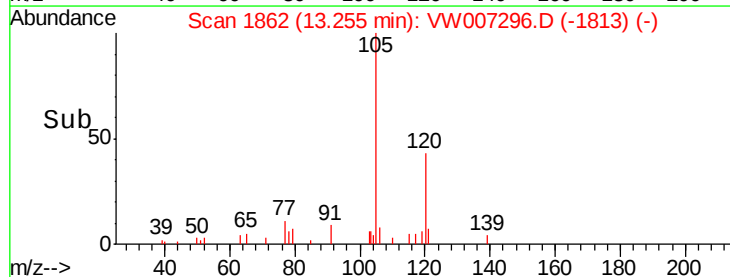
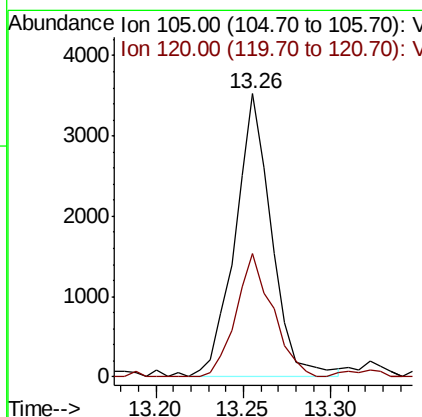
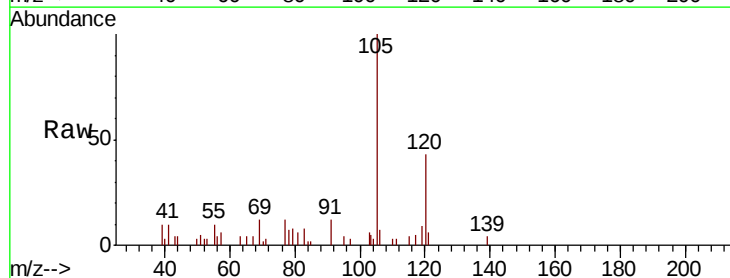
Instrument :
MSVOA_W
ClientSampleId :

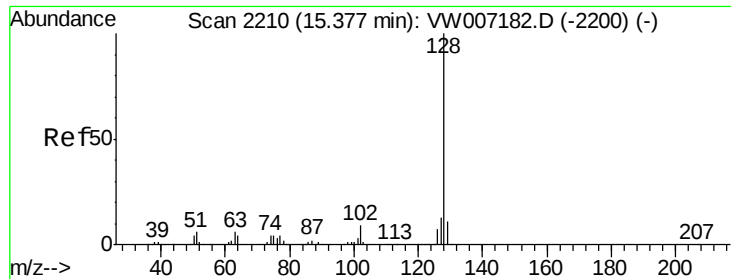
Tot Ion: 75 Resp: 26016
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 36.4 54.6#



#84
1,2,4-Trimethylbenzene
Concen: 1.242 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007296.D
Acq: 06 Dec 2018 22:58

Tgt Ion:105 Resp: 5113
Ion Ratio Lower Upper
105 100
120 43.5 21.1 63.3





#95
Naphthalene
Concen: 2.247 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007296.D
Acq: 06 Dec 2018 22:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	11.5	8.6	13.0

