

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
 Data File : VW007297.D
 Acq On : 06 Dec 2018 23:24
 Operator : SY/AP
 Sample : J6195-03RE
 Misc : 6.3G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 07 01:18:48 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	93066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	153470	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	127303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	43694	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	38733	44.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.40%	
35) Dibromofluoromethane	7.89	113	35638	40.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.10%	
50) Toluene-d8	10.33	98	132168	34.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.28%	
62) 4-Bromofluorobenzene	12.62	95	43819	29.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.98%	

Target Compounds

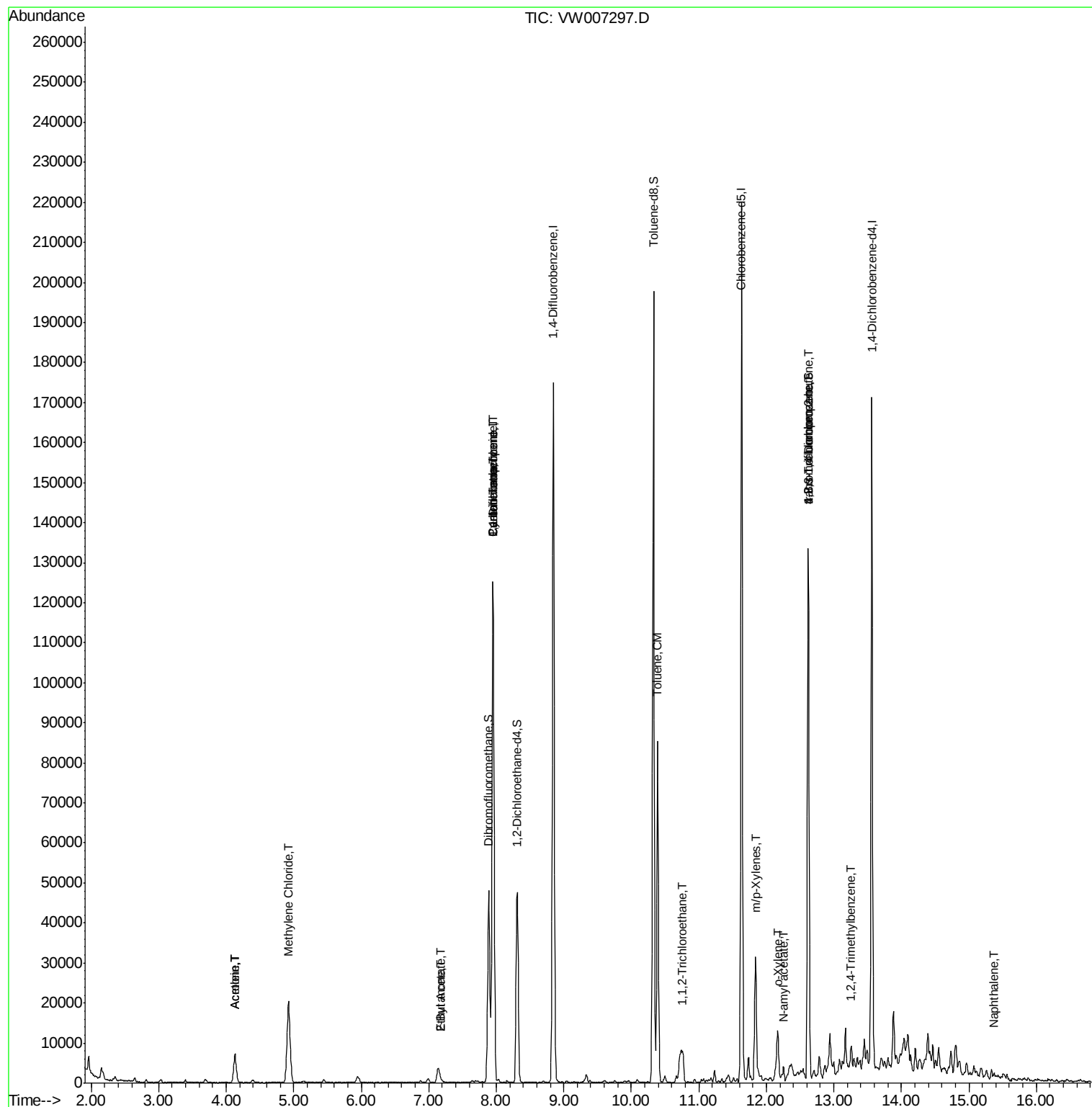
						Qvalue
11) Tert butyl alcohol	5.18	59	91	Below Cal	#	75
13) Acrolein	4.12	56	85	1.400	ug/l #	47
16) Acetone	4.13	43	12394	60.421	ug/l	100
20) Methylene Chloride	4.92	84	15957	11.423	ug/l #	92
25) 2-Butanone	7.18	43	1231	5.177	ug/l #	73
31) Cyclohexane	7.95	56	2320	1.349	ug/l #	40
36) 1,1-Dichloropropene	7.95	75	7236	4.846	ug/l #	49
37) Ethyl Acetate	7.18	43	1231	2.279	ug/l #	67
38) Carbon Tetrachloride	7.95	117	9407	6.172	ug/l #	18
52) Toluene	10.39	92	34891	12.249	ug/l	96
55) 1,1,2-Trichloroethane	10.76	97	856	1.215	ug/l #	15
68) m/p-Xylenes	11.84	106	8651	4.256	ug/l	90
69) o-Xylene	12.17	106	3195	1.682	ug/l	96
74) N-amyl acetate	12.25	43	978	1.552	ug/l #	59
76) 1,2,3-Trichloropropane	12.62	75	21790	64.405	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	21790	138.816	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.26	105	3740	1.205	ug/l	88
95) Naphthalene	15.37	128	1720	1.016	ug/l	96

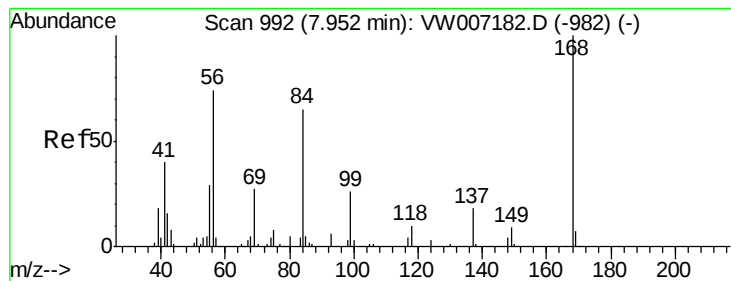
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007297.D

Acq: 06 Dec 2018 23:24

Instrument :

MSVOA_W

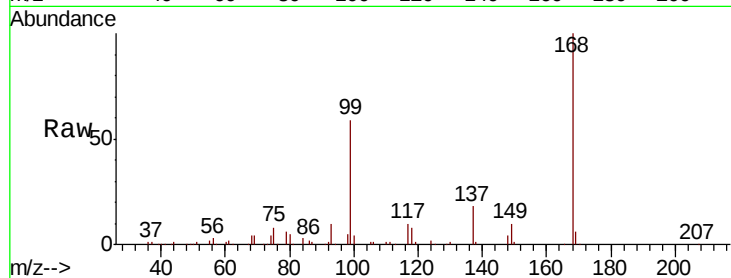
ClientSampleId :

Tot Ion:168 Resp: 93066

Ion Ratio Lower Upper

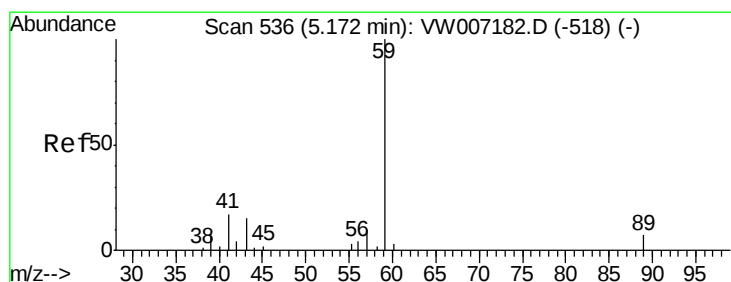
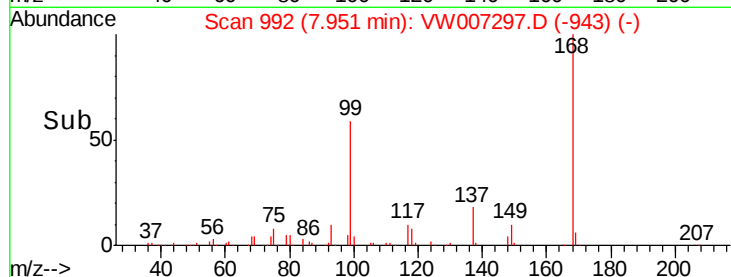
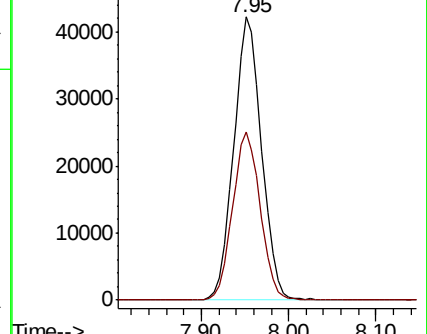
168 100

99 59.4 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW007297.D

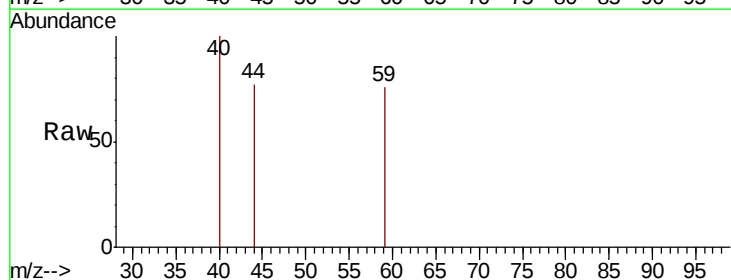
Acq: 06 Dec 2018 23:24

Tgt Ion: 59 Resp: 91

Ion Ratio Lower Upper

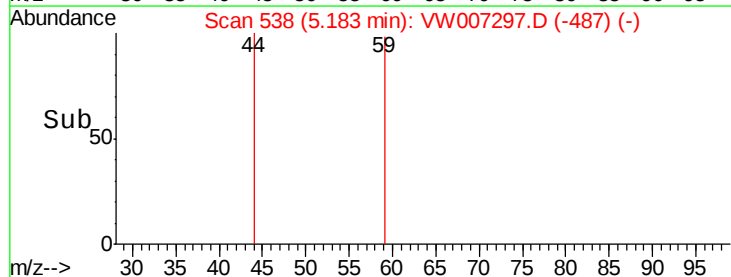
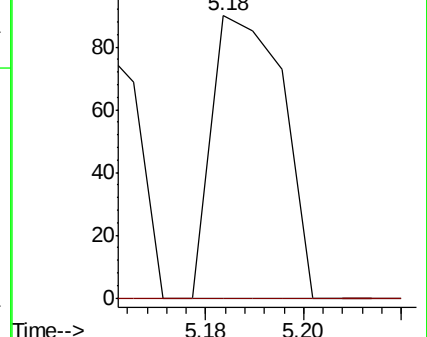
59 100

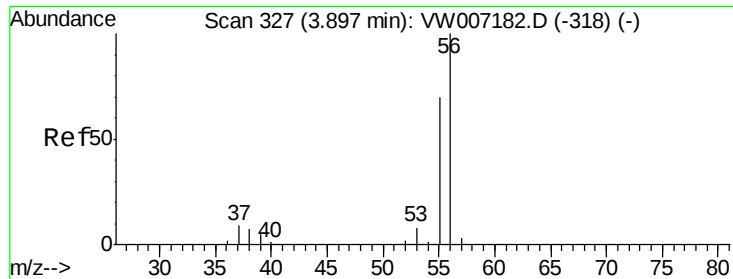
57 0.0 7.1 10.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

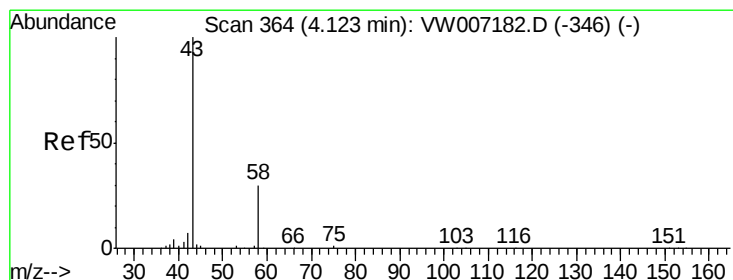
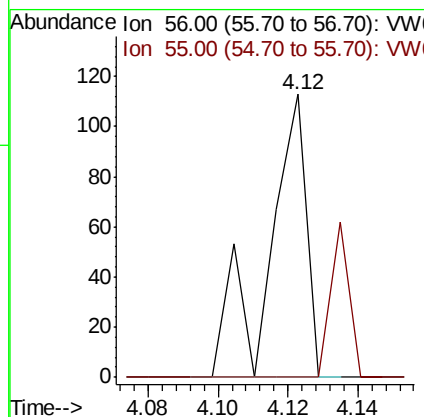
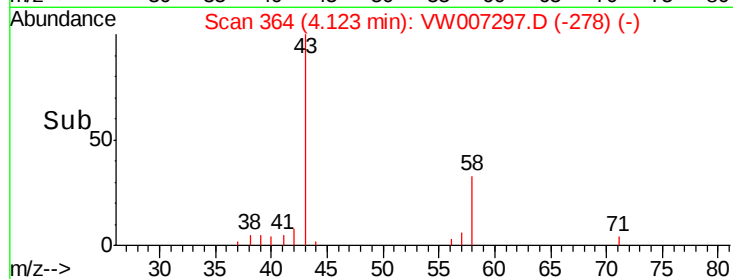
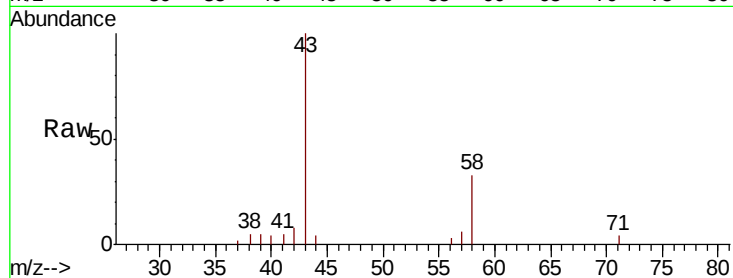




#13
Acrolein
Concen: 1.400 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.23 min
Lab File: VW007297.D
Acq: 06 Dec 2018 23:24

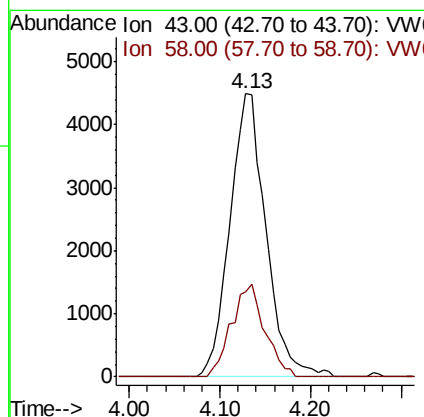
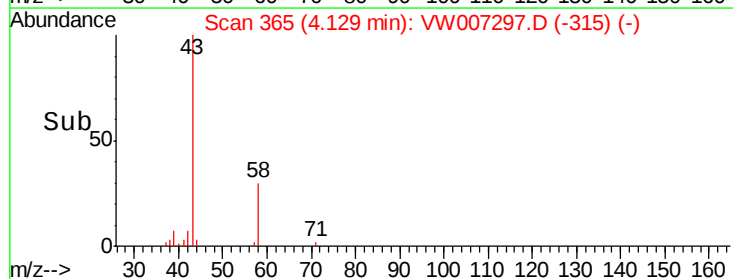
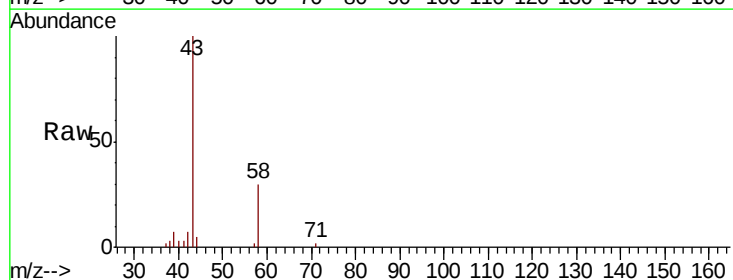
Instrument :
MSVOA_W
ClientSampled :

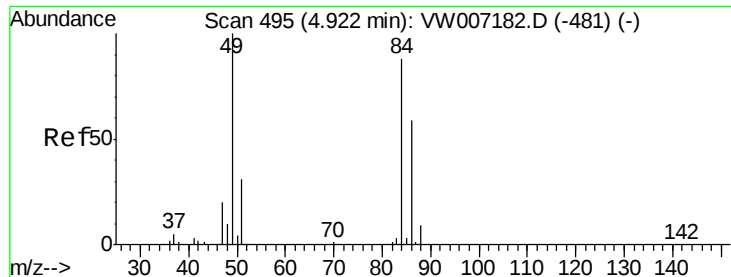
Tot Ion: 56 Resp: 85
Ion Ratio Lower Upper
56 100
55 27.1 56.9 85.3#



#16
Acetone
Concen: 60.421 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW007297.D
Acq: 06 Dec 2018 23:24

Tgt Ion: 43 Resp: 12394
Ion Ratio Lower Upper
43 100
58 29.9 23.8 35.8

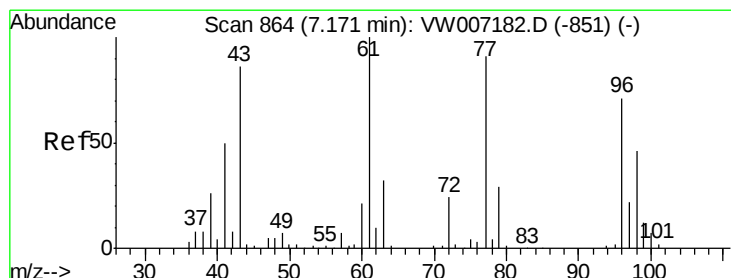
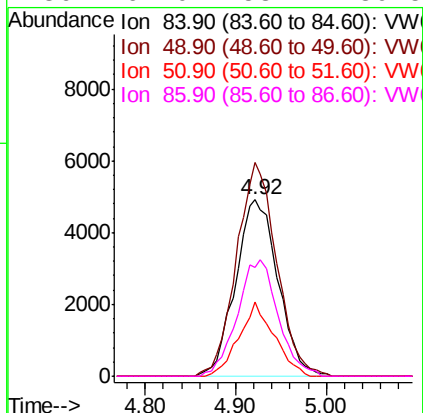
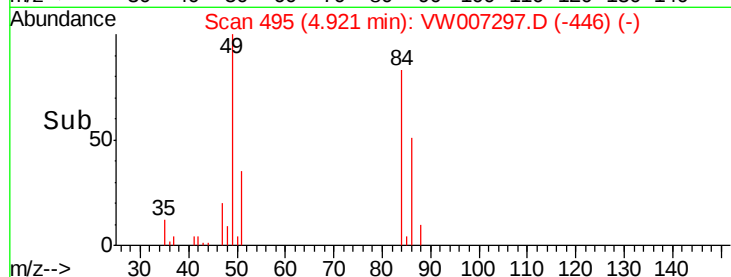
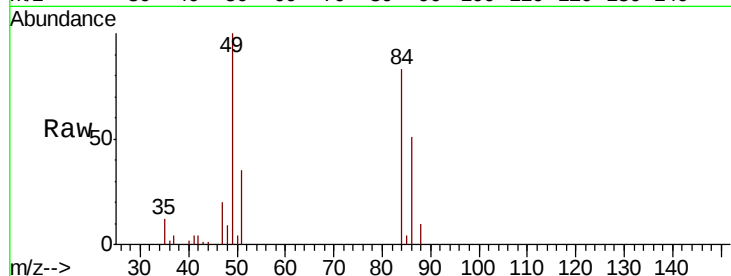




#20
Methvlene Chloride
Concen: 11.423 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007297.D
Acq: 06 Dec 2018 23:24

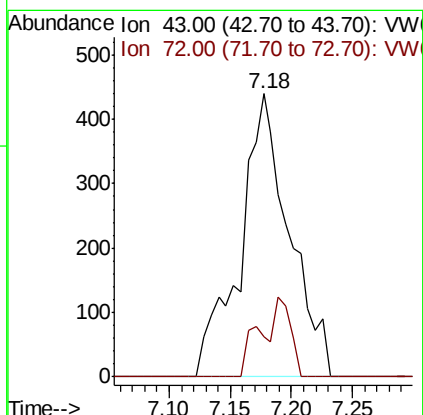
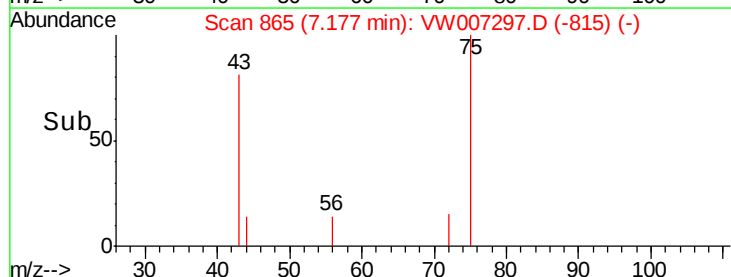
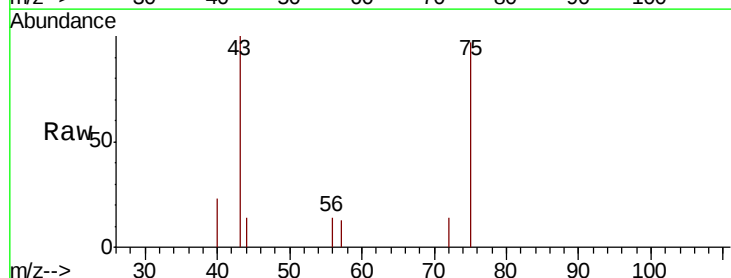
Instrument :
MSVOA_W
ClientSampled :

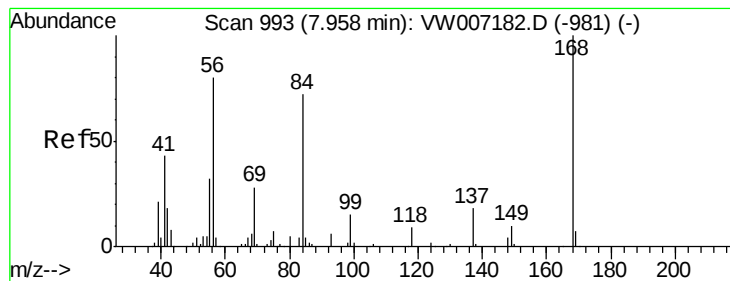
Tot Ion: 84 Resp: 15957
Ion Ratio Lower Upper
84 100
49 121.0 90.6 135.8
51 41.9 27.6 41.4#
86 62.0 53.7 80.5



#25
2-Butanone
Concen: 5.177 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007297.D
Acq: 06 Dec 2018 23:24

Tgt Ion: 43 Resp: 1231
Ion Ratio Lower Upper
43 100
72 14.1 22.8 34.2#





#31

Cyclohexane

Concen: 1.349 ug/l

RT: 7.95 min Scan# 992

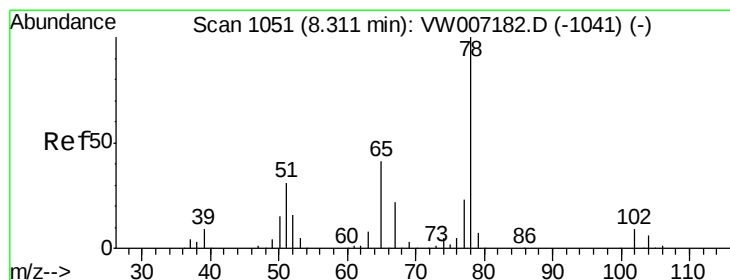
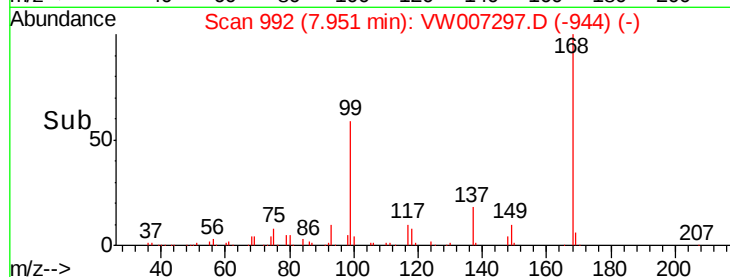
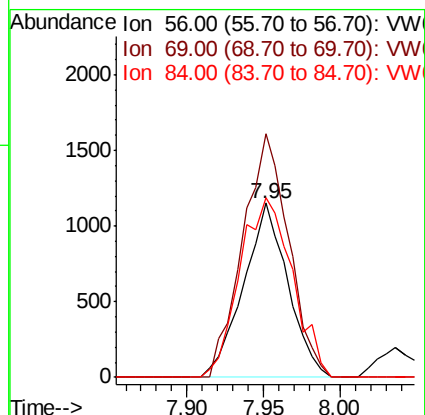
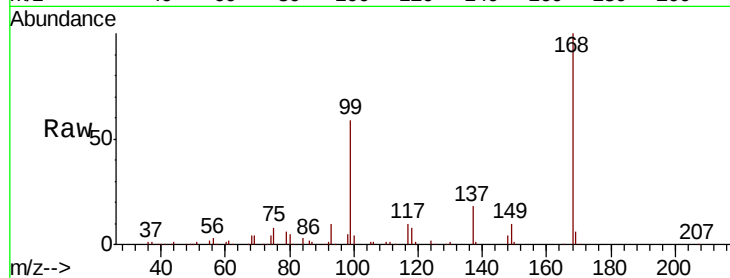
Delta R.T. -0.01 min

Lab File: VW007297.D

Acq: 06 Dec 2018 23:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	56	Resp:	2320
Ion	Ratio	Lower	Upper
56	100		
69	139.5	28.2	42.2#
84	103.1	72.1	108.1



#33

1,2-Dichloroethane-d4

Concen: 44.701 ug/l

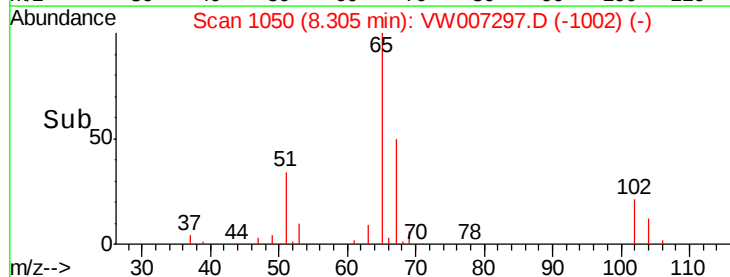
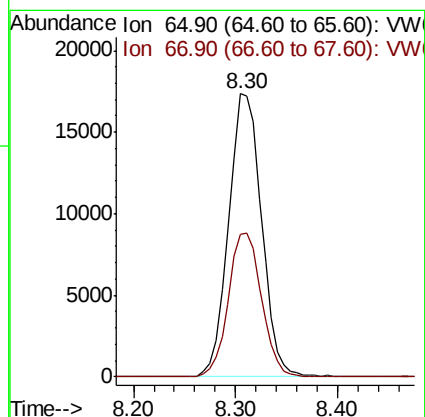
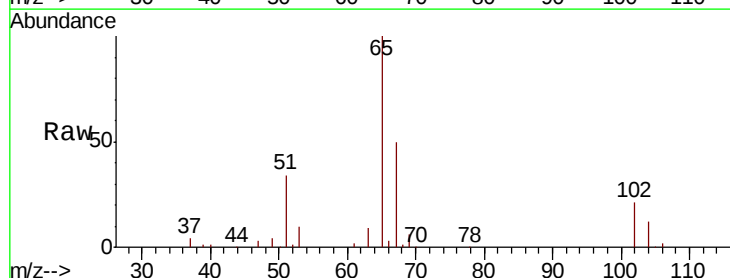
RT: 8.30 min Scan# 1050

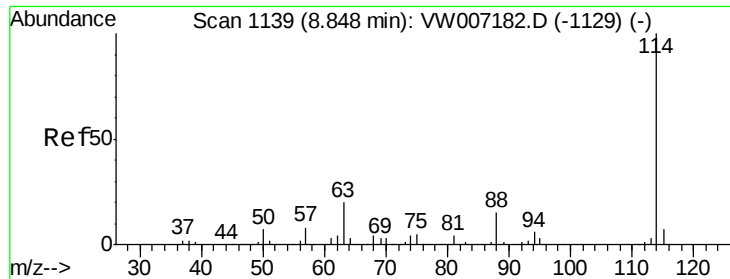
Delta R.T. -0.01 min

Lab File: VW007297.D

Acq: 06 Dec 2018 23:24

Tgt Ion:	65	Resp:	38733
Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	106.4

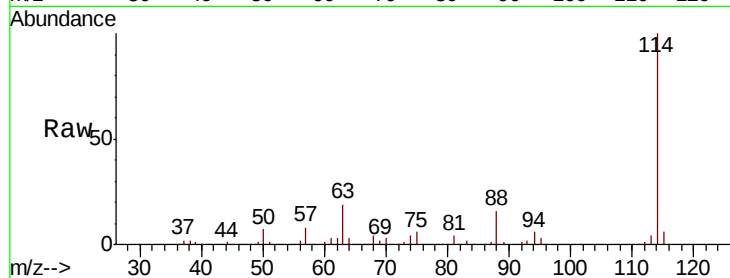




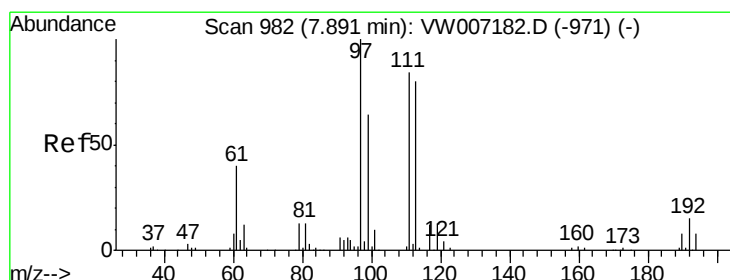
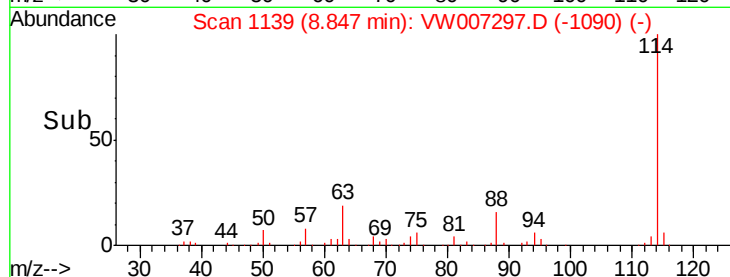
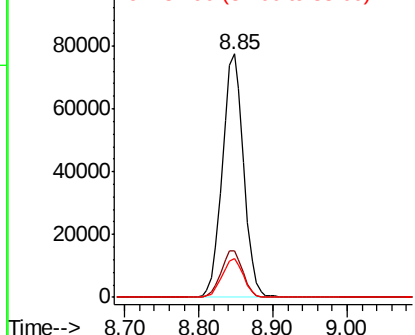
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VW007297.D
Acq: 06 Dec 2018 23:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:114 Resp: 153470
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.2
88 15.8 0.0 30.0

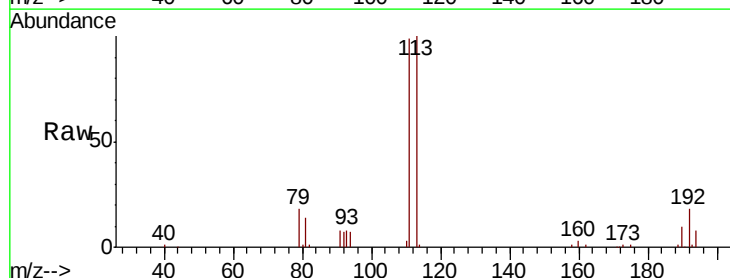


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

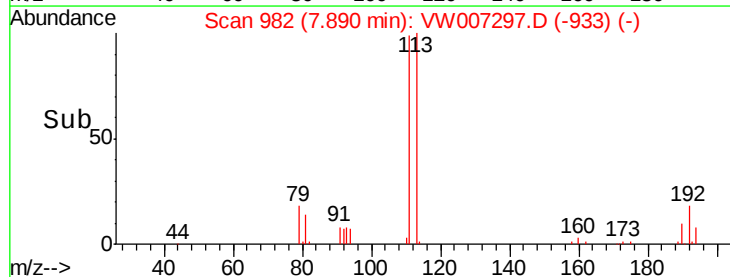
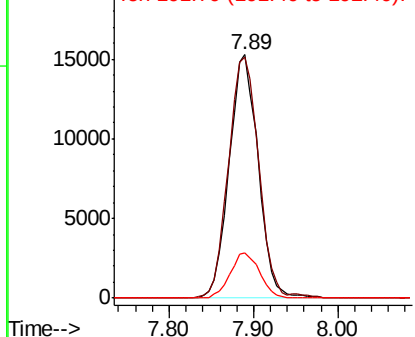


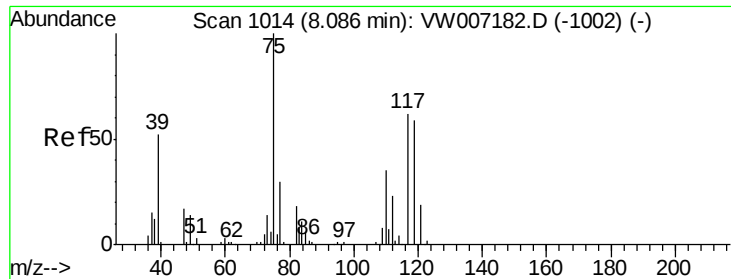
#35
Dibromofluoromethane
Concen: 40.555 ug/l
RT: 7.89 min Scan# 982
Delta R.T. -0.00 min
Lab File: VW007297.D
Acq: 06 Dec 2018 23:24

Tgt Ion:113 Resp: 35638
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.4
192 18.7 14.4 21.6



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

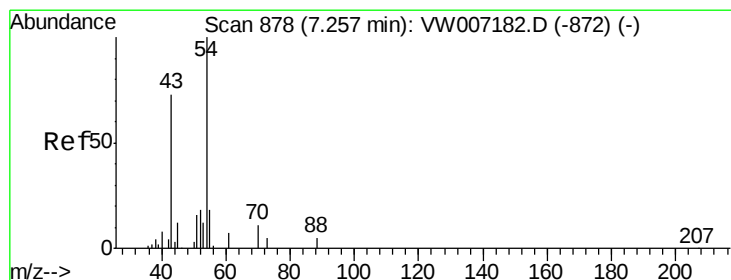
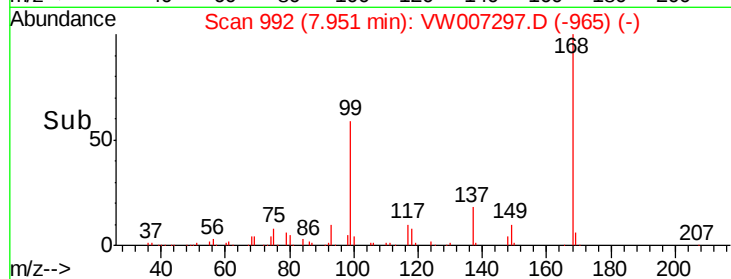
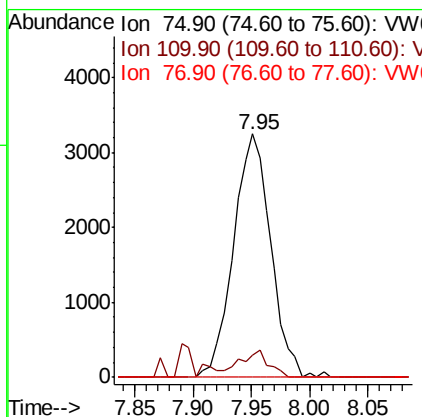
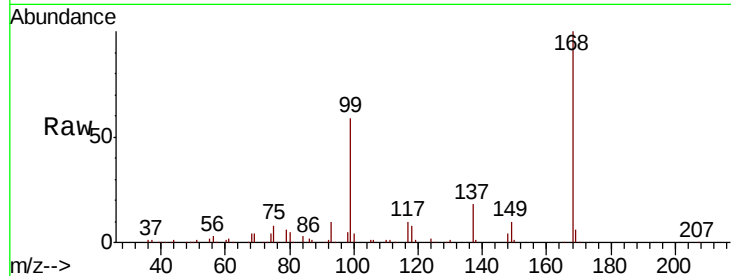




#36
 1,1-Dichloropropene
 Concen: 4.846 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007297.D
 Acq: 06 Dec 2018 23:24

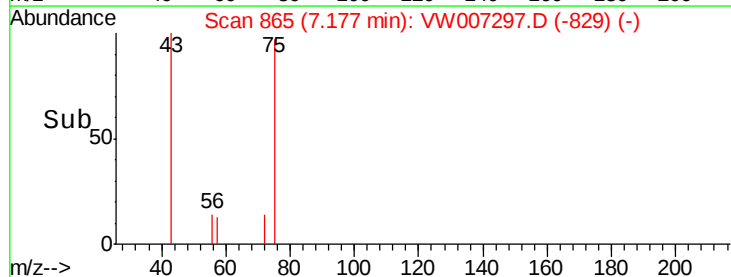
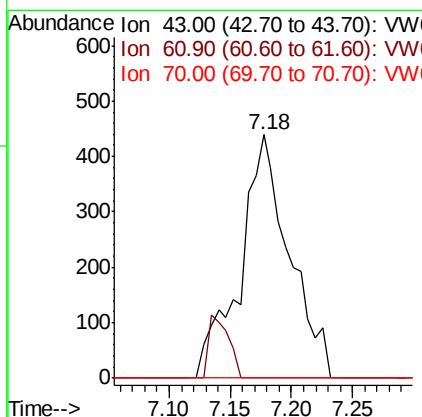
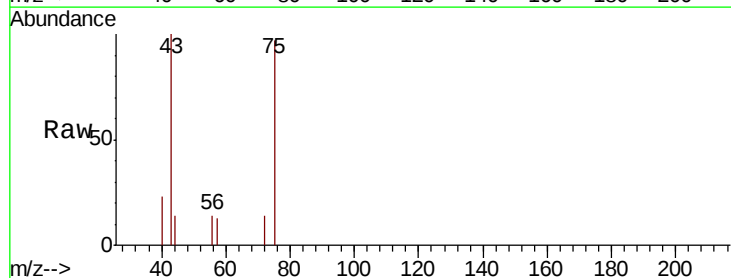
Instrument :
 MSVOA_W
 ClientSampleId :

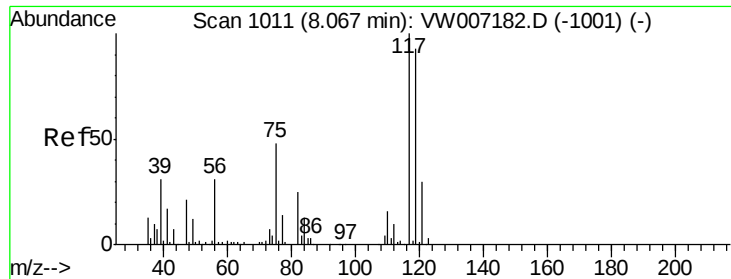
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.3	54.9#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 2.279 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.08 min
 Lab File: VW007297.D
 Acq: 06 Dec 2018 23:24

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	0.0	9.1	13.7#





#38

Carbon Tetrachloride

Concen: 6.172 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007297.D

Acq: 06 Dec 2018 23:24

Instrument :

MSVOA_W

ClientSampled :

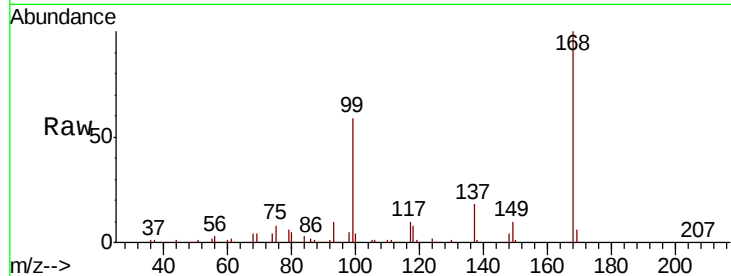
Tot Ion:117 Resp: 9407

Ion Ratio Lower Upper

117 100

119 6.4 74.1 111.1#

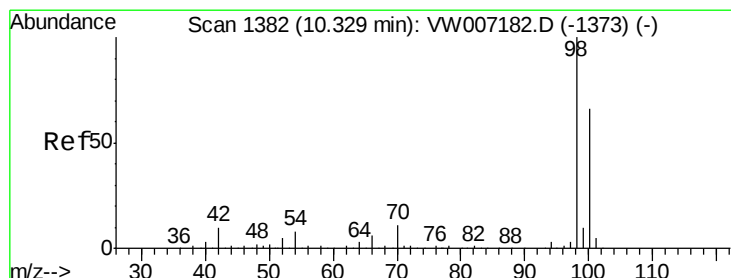
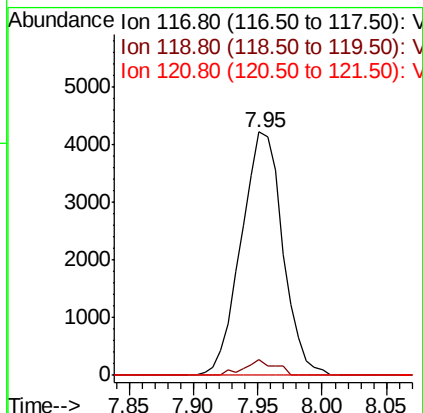
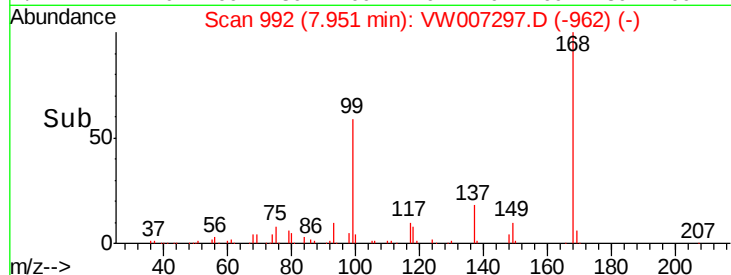
121 0.0 23.9 35.9#



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: 34.144 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007297.D

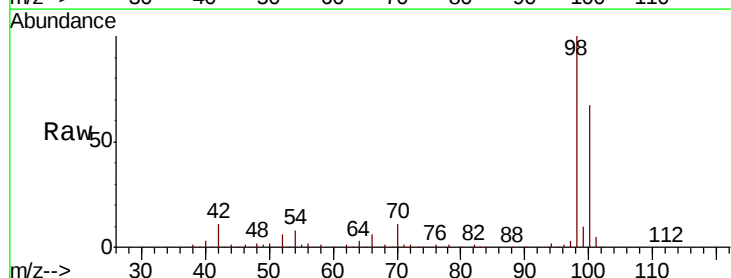
Acq: 06 Dec 2018 23:24

Tgt Ion: 98 Resp: 132168

Ion Ratio Lower Upper

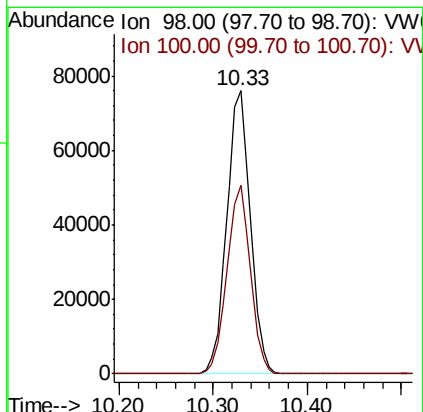
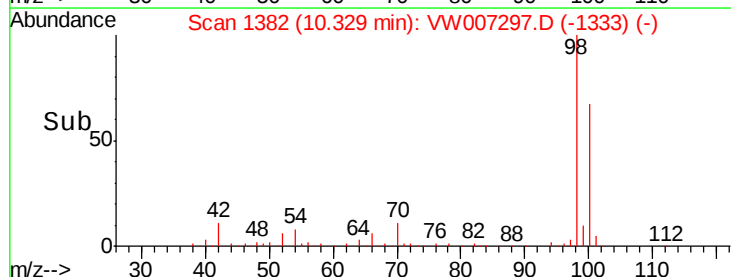
98 100

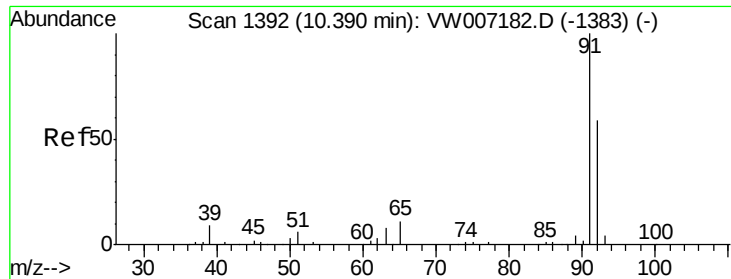
100 65.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 12.249 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007297.D

Acq: 06 Dec 2018 23:24

Instrument :

MSVOA_W

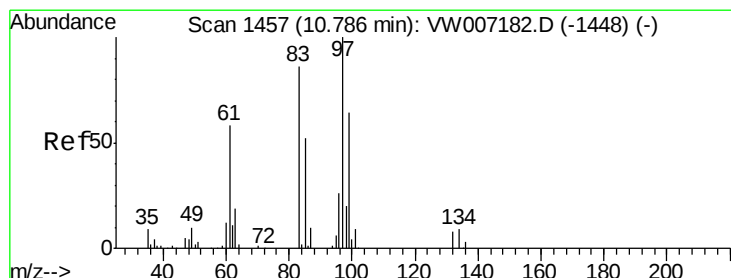
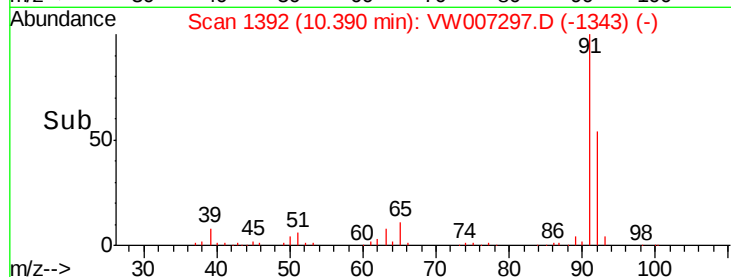
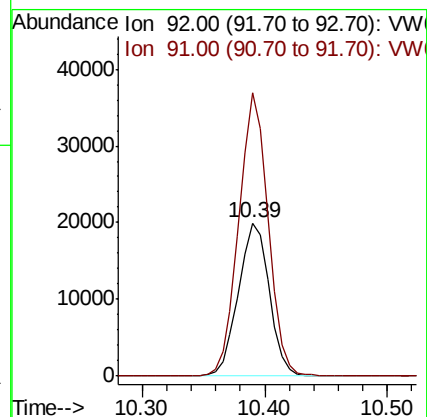
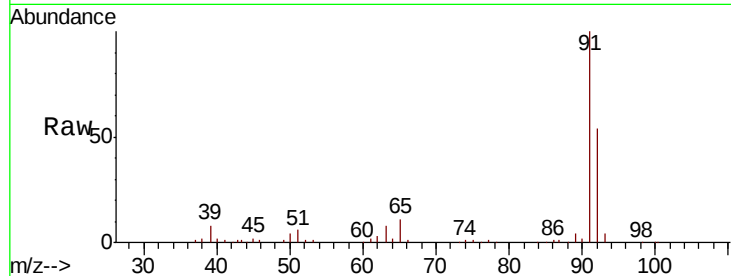
ClientSampleId :

Tot Ion: 92 Resp: 34891

Ion Ratio Lower Upper

92 100

91 175.9 136.0 204.0



#55

1,1,2-Trichloroethane

Concen: 1.215 ug/l

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW007297.D

Acq: 06 Dec 2018 23:24

Tgt Ion: 97 Resp: 856

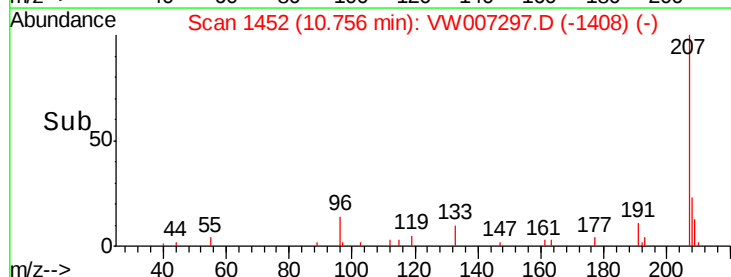
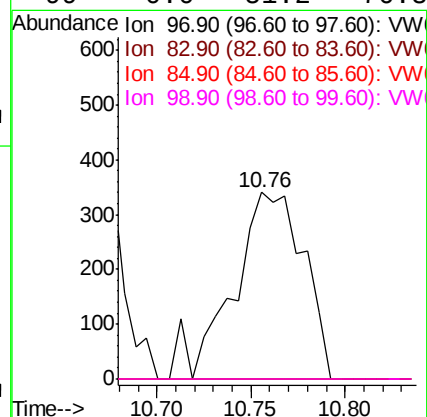
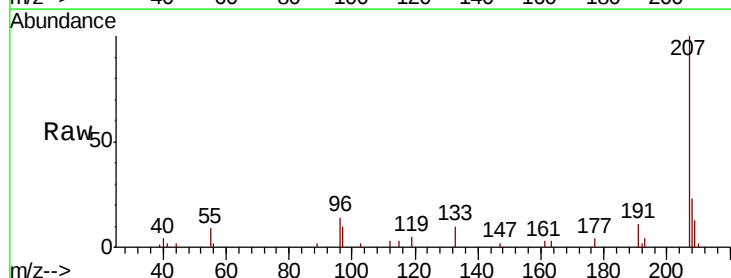
Ion Ratio Lower Upper

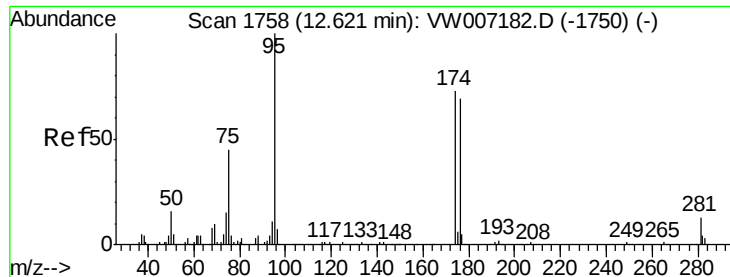
97 100

83 0.0 68.6 102.8#

85 0.0 41.4 62.2#

99 0.0 51.2 76.8#

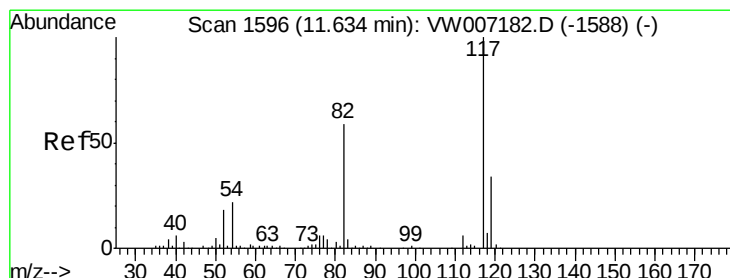
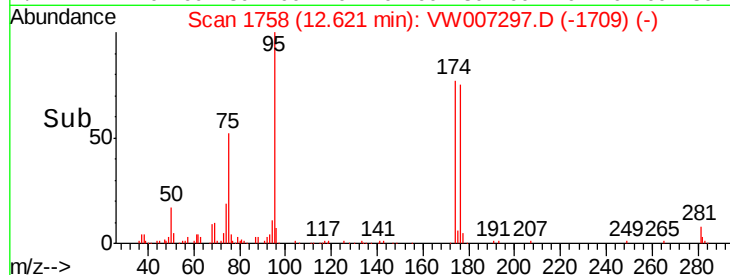
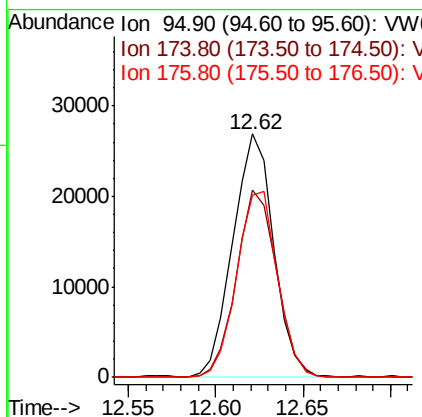
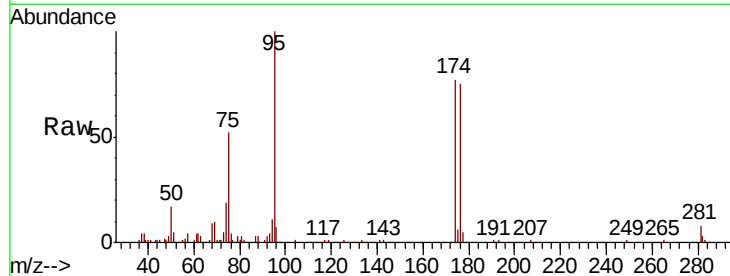




#62
4-Bromofluorobenzene
Concen: 29.991 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007297.D
Acq: 06 Dec 2018 23:24

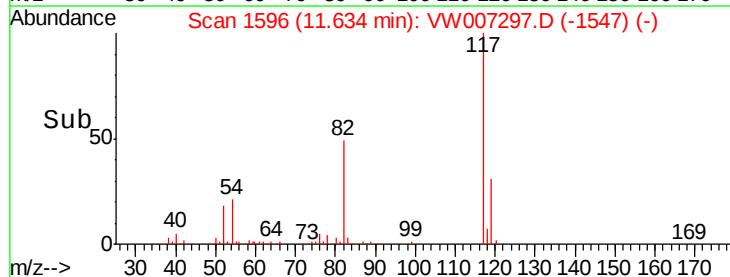
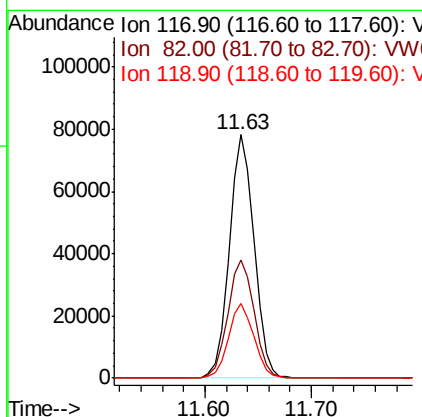
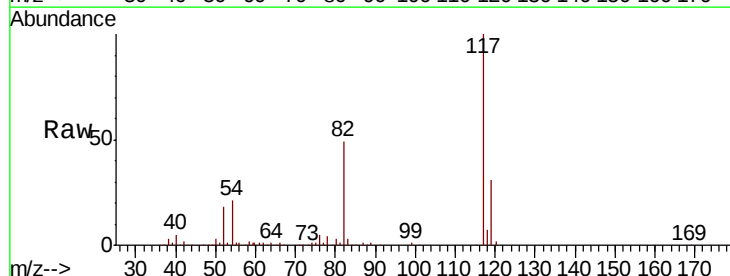
Instrument :
MSVOA_W
ClientSampleId :

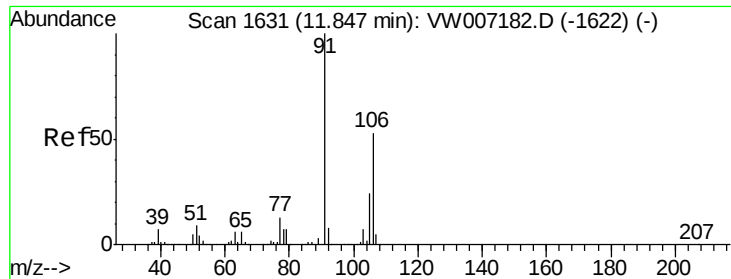
Tot Ion: 95 Resp: 43819
Ion Ratio Lower Upper
95 100
174 76.2 0.0 148.0
176 76.1 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007297.D
Acq: 06 Dec 2018 23:24

Tgt Ion: 117 Resp: 127303
Ion Ratio Lower Upper
117 100
82 48.8 47.4 71.2
119 30.9 26.8 40.2

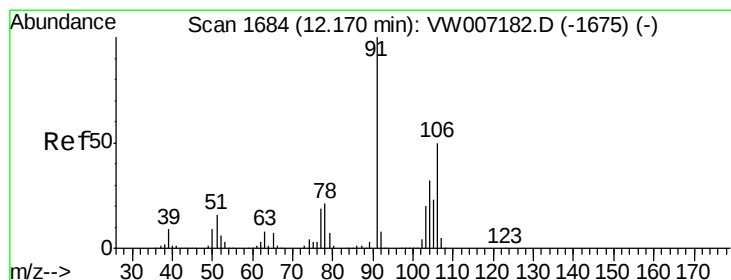
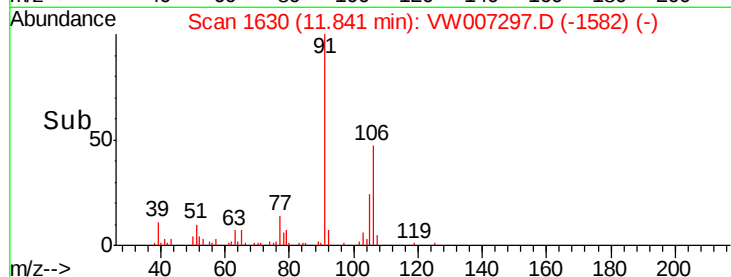
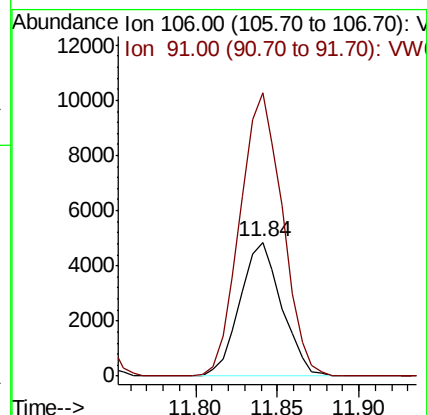
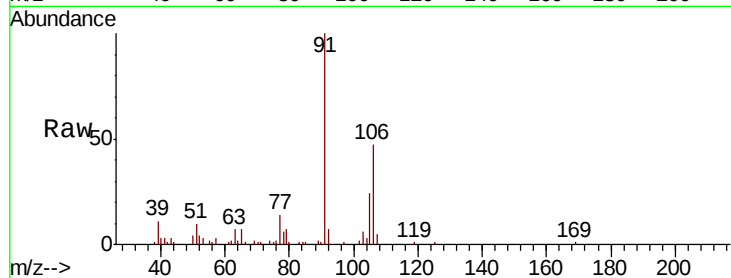




#68
m/p-Xylenes
Concen: 4.256 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007297.D
Acq: 06 Dec 2018 23:24

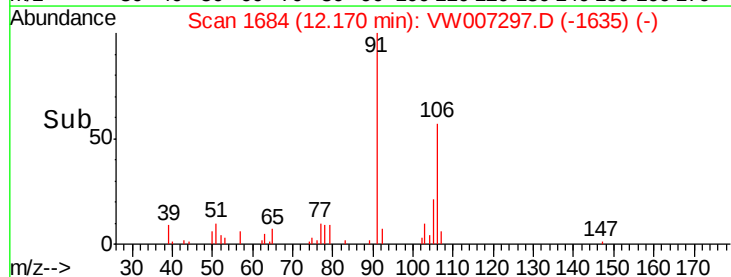
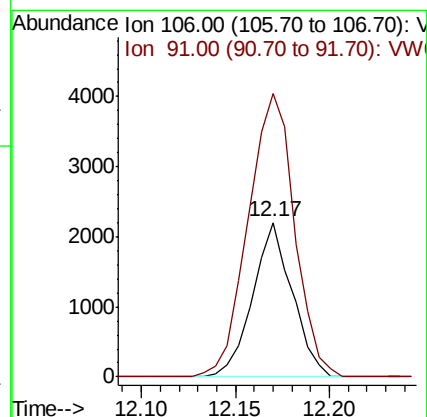
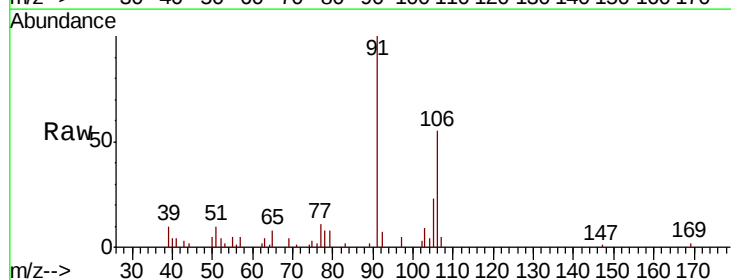
Instrument :
MSVOA_W
ClientSampleId :

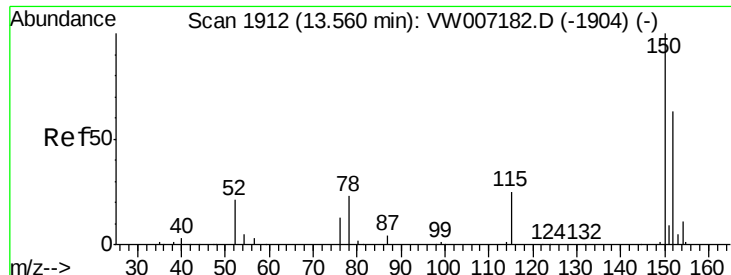
Tot Ion:106 Resp: 8651
Ion Ratio Lower Upper
106 100
91 215.4 160.2 240.4



#69
o-Xylene
Concen: 1.682 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007297.D
Acq: 06 Dec 2018 23:24

Tgt Ion:106 Resp: 3195
Ion Ratio Lower Upper
106 100
91 215.4 104.9 314.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007297.D

Acq: 06 Dec 2018 23:24

Instrument :

MSVOA_W

ClientSampled :

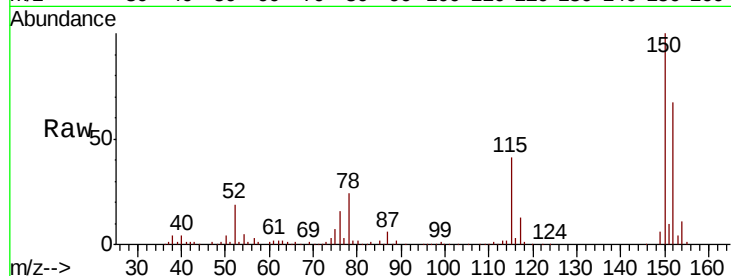
Tot Ion:152 Resp: 43694

Ion Ratio Lower Upper

152 100

115 63.5 31.3 93.8

150 164.4 0.0 358.0

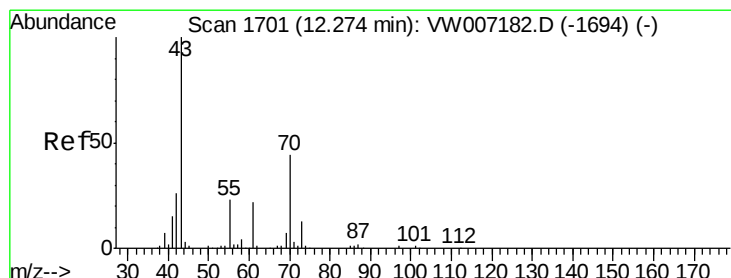
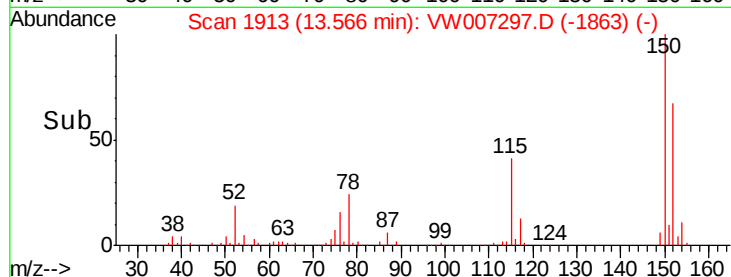
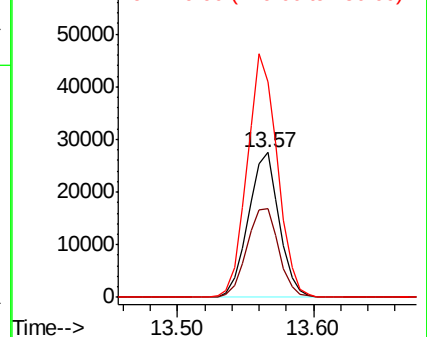


Abundance

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-ethyl acetate

Concen: 1.552 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW007297.D

Acq: 06 Dec 2018 23:24

Tgt Ion: 43 Resp: 978

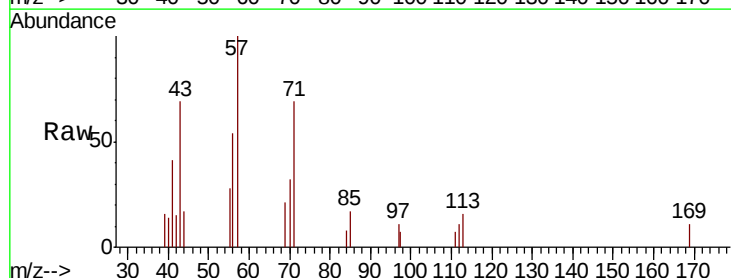
Ion Ratio Lower Upper

43 100

70 22.2 34.0 51.0#

55 0.0 19.0 28.6#

61 0.0 19.7 29.5#



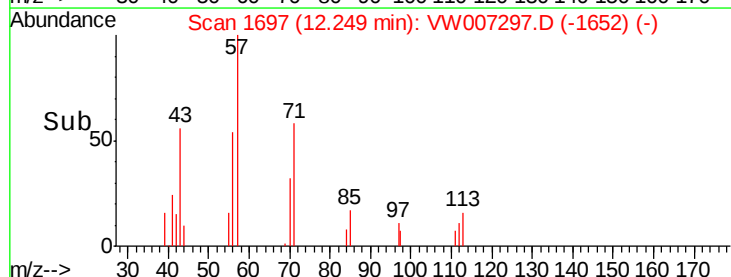
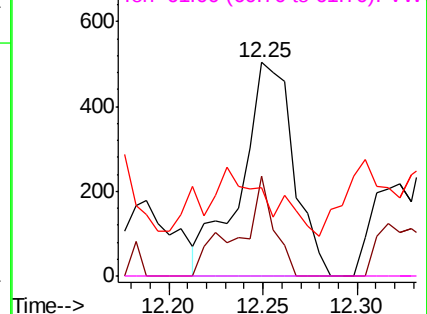
Abundance

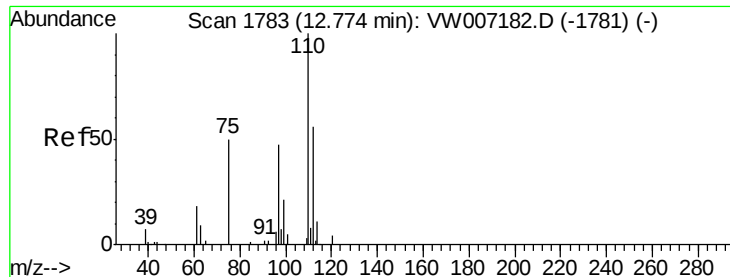
Ion 43.00 (42.70 to 43.70): VW

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

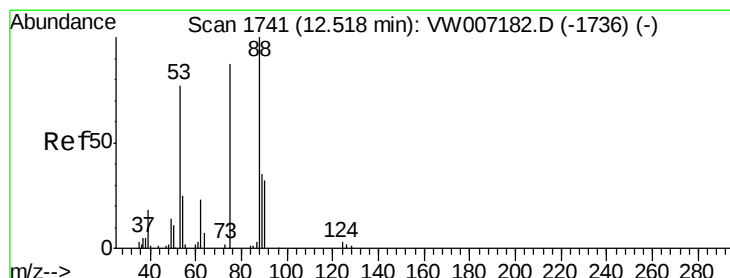
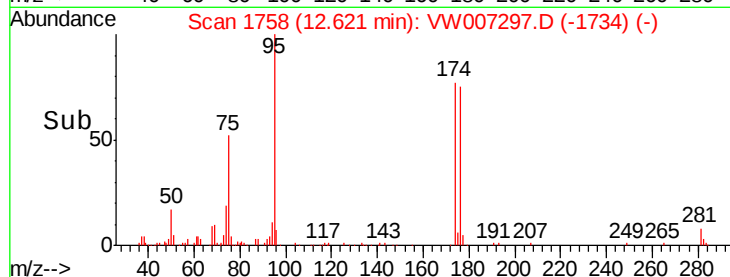
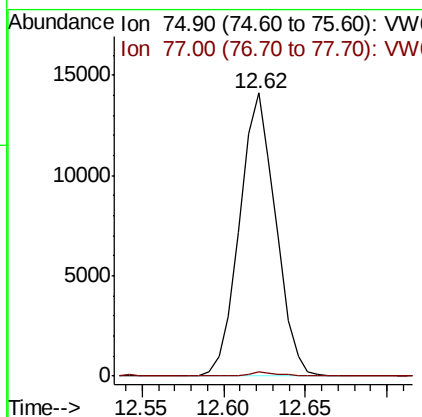
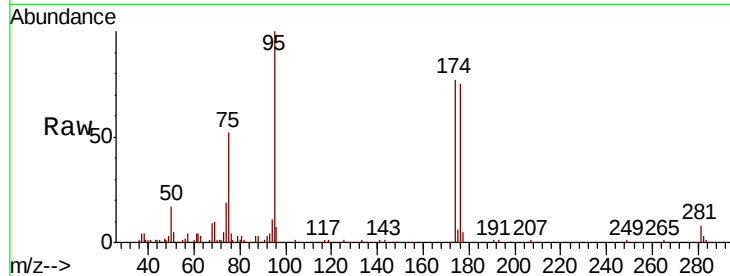




#76
 1,2,3-Trichloropropane
 Concen: 64.405 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007297.D
 Acq: 06 Dec 2018 23:24

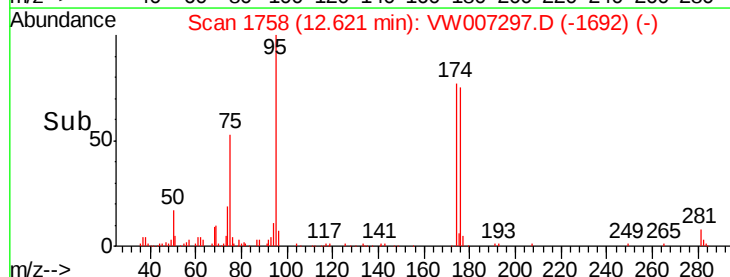
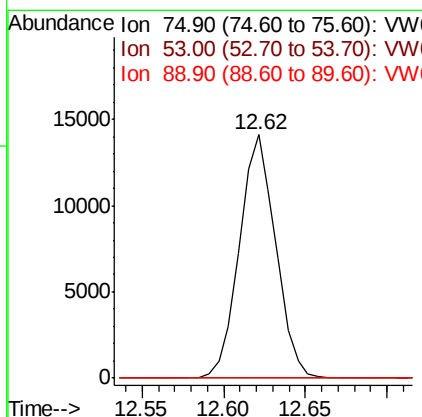
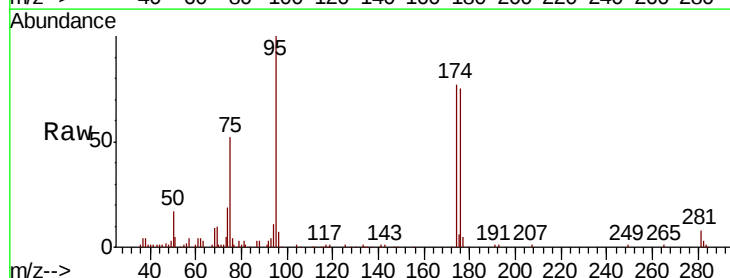
Instrument :
 MSVOA_W
 ClientSampleId :

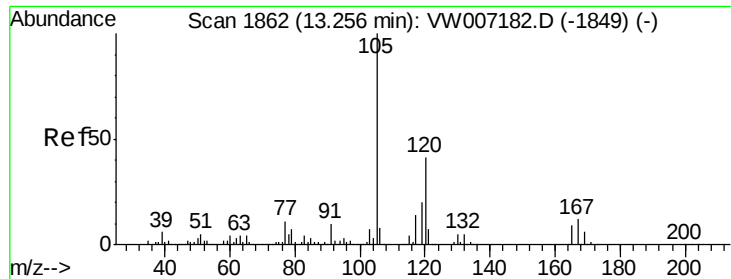
Tot Ion: 75 Resp: 21790
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.816 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007297.D
 Acq: 06 Dec 2018 23:24

Tgt Ion: 75 Resp: 21790
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.8 109.2#
 89 0.0 36.4 54.6#

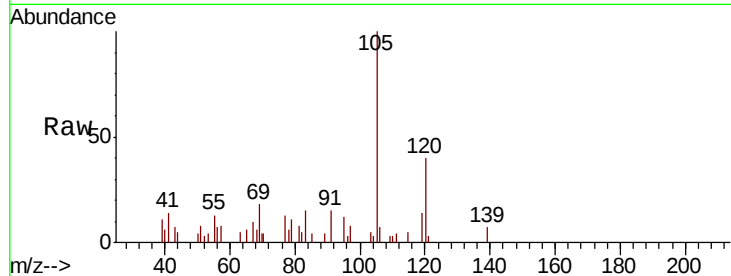




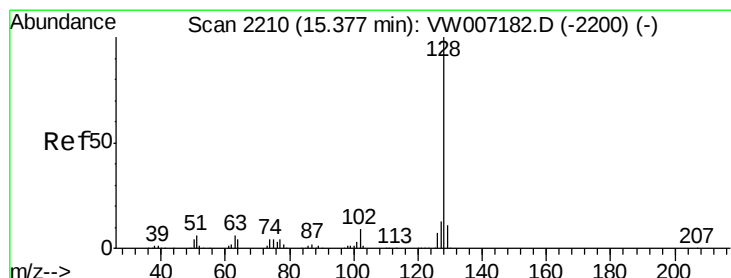
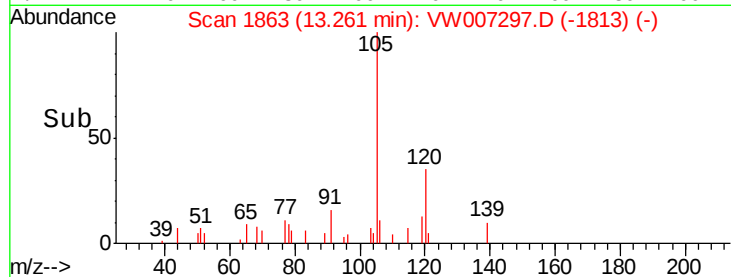
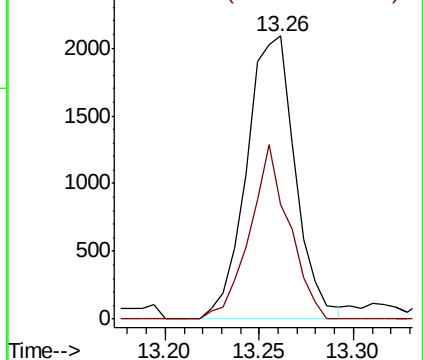
#84
 1,2,4-Trimethylbenzene
 Concen: 1.205 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW007297.D
 Acq: 06 Dec 2018 23:24

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:105 Resp: 3740
 Ion Ratio Lower Upper
 105 100
 120 49.7 21.1 63.3

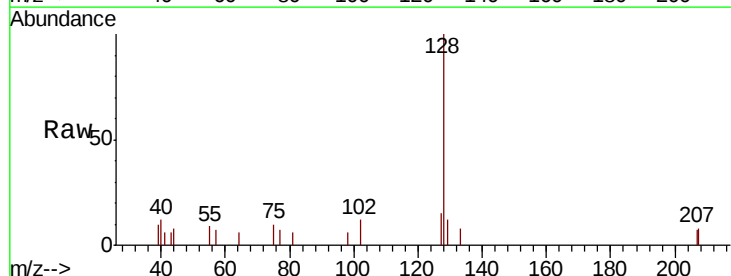


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V



#95
 Naphthalene
 Concen: 1.016 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW007297.D
 Acq: 06 Dec 2018 23:24

Tgt Ion:128 Resp: 1720
 Ion Ratio Lower Upper
 128 100
 127 10.5 10.3 15.5
 129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

