

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\
 Data File : VW007024.D
 Acq On : 22 Nov 2018 03:44
 Operator : VAY/AP
 Sample : J5763-01RE
 Misc : 4.14G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 22 04:43:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

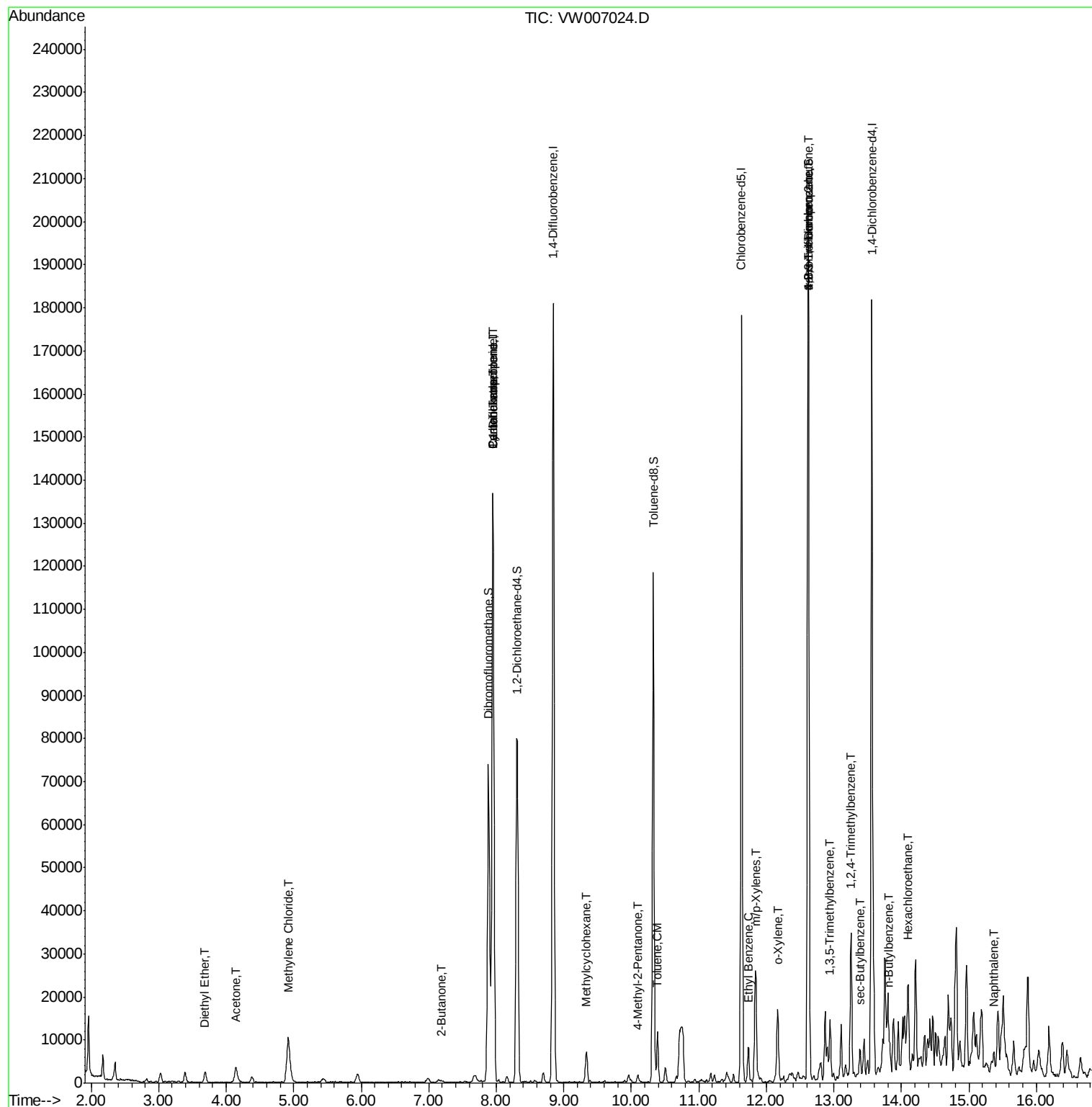
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	98660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	155923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	101193	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	47908	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	64756	67.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	134.08%	
35) Dibromofluoromethane	7.89	113	54449	61.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.68%	
50) Toluene-d8	10.32	98	79440	20.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.86%	
62) 4-Bromofluorobenzene	12.62	95	68492	44.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.52%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	1405	2.776	ug/l	93
16) Acetone	4.15	43	6904	49.231	ug/l	91
20) Methylene Chloride	4.92	84	8116	2.088	ug/l	99
25) 2-Butanone	7.18	43	541	2.252	ug/l #	48
31) Cyclohexane	7.95	56	3336	1.793	ug/l #	33
36) 1,1-Dichloropropene	7.95	75	7807	5.124	ug/l #	49
38) Carbon Tetrachloride	7.95	117	10134	6.945	ug/l #	16
39) Methylcyclohexane	9.34	83	2898	1.520	ug/l #	89
51) 4-Methyl-2-Pentanone	10.10	43	768	1.444	ug/l #	36
52) Toluene	10.39	92	5085	1.817	ug/l	97
67) Ethyl Benzene	11.73	91	5384	1.388	ug/l	98
68) m/p-Xylenes	11.84	106	7854	5.160	ug/l	100
69) o-Xylene	12.17	106	4326	3.014	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	33190	88.164	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	5322	1.653	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.62	75	33190	221.344	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	18813	5.865	ug/l	99
85) sec-Butylbenzene	13.38	105	4282	1.087	ug/l	93
89) n-Butylbenzene	13.82	91	3530	1.080	ug/l #	76
90) Hexachloroethane	14.10	117	1020	2.011	ug/l #	14
95) Naphthalene	15.37	128	2962	1.730	ug/l #	92

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112218\
Data File : VW007024.D
Acq On : 22 Nov 2018 03:44
Operator : VAY/AP
Sample : J5763-01RE
Misc : 4.14G/5ML/MSVOA W/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :

Quant Time: Nov 22 04:43:07 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 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: VW007024.D

Acq: 22 Nov 2018 03:44

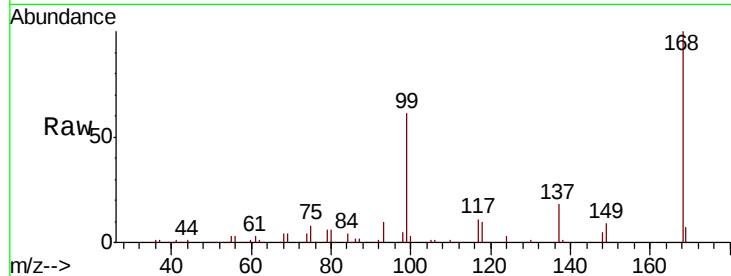
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 98660

Ion Ratio Lower Upper

168 100

99 61.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

20000

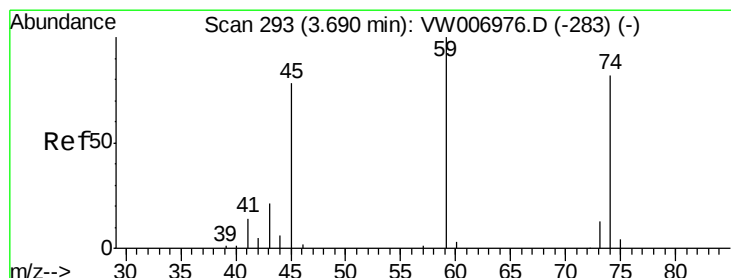
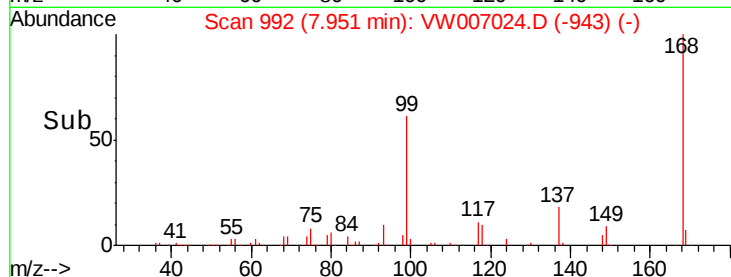
10000

0

7.90

8.00

Time-->



#8

Diethyl Ether

Concen: 2.776 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.01 min

Lab File: VW007024.D

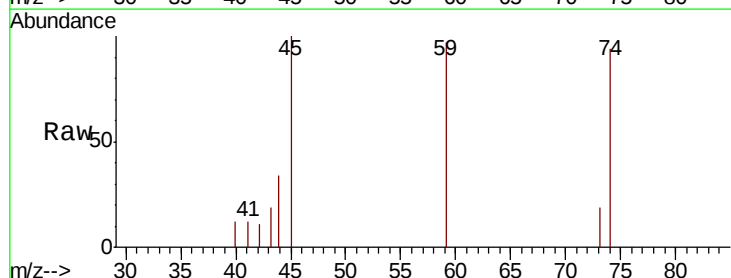
Acq: 22 Nov 2018 03:44

Tgt Ion: 74 Resp: 1405

Ion Ratio Lower Upper

74 100

45 104.0 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

600

400

200

0

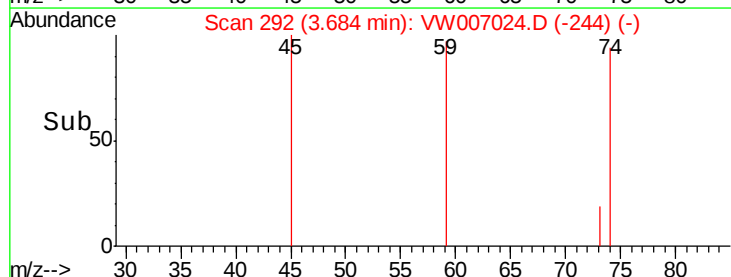
3.60

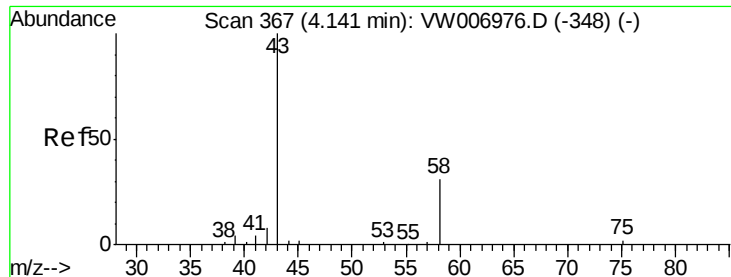
3.65

3.70

3.75

Time-->





#16

Acetone

Concen: 49.231 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW007024.D

Acq: 22 Nov 2018 03:44

Instrument :

MSVOA_W

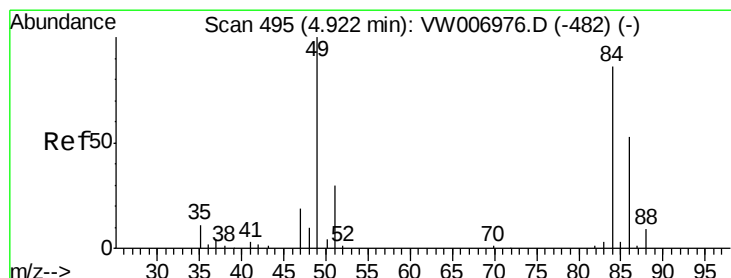
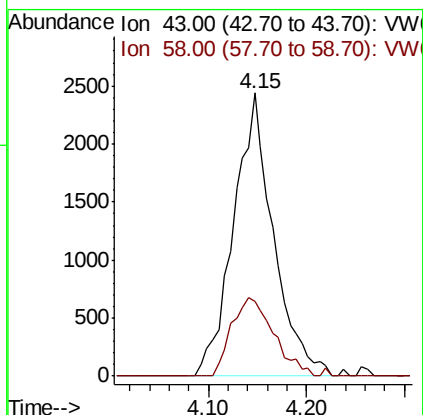
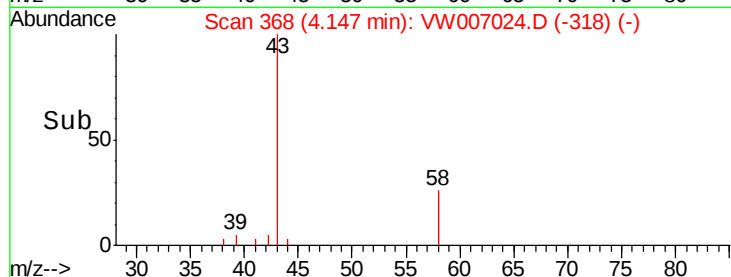
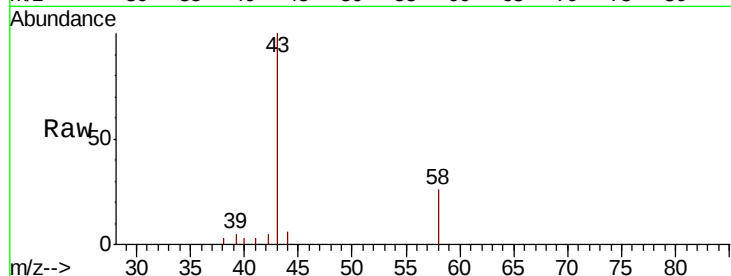
ClientSampled :

Tot Ion: 43 Resp: 6904

Ion Ratio Lower Upper

43 100

58 26.2 24.8 37.2



#20

Methylene Chloride

Concen: 2.088 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW007024.D

Acq: 22 Nov 2018 03:44

Tgt Ion: 84 Resp: 8116

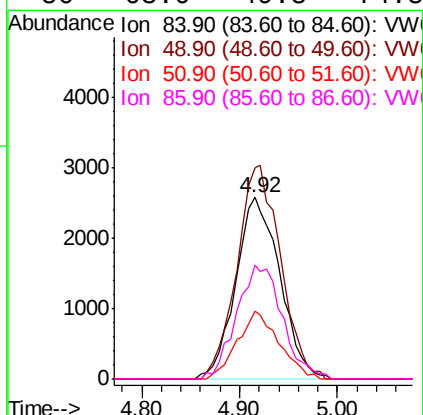
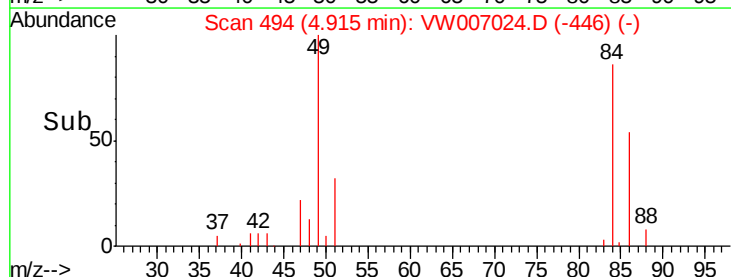
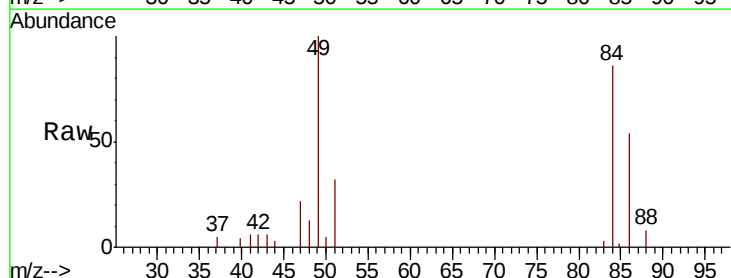
Ion Ratio Lower Upper

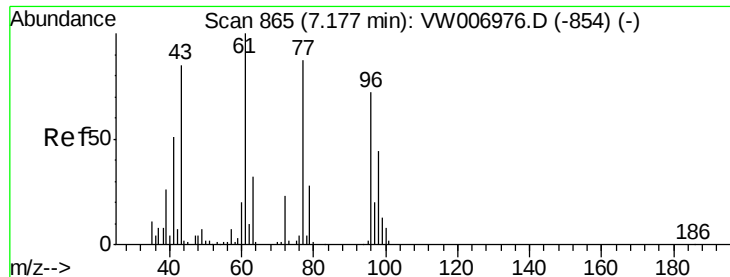
84 100

49 116.1 93.4 140.0

51 37.4 28.4 42.6

86 63.0 49.8 74.8





#25

2-Butanone

Concen: 2.252 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW007024.D

Acq: 22 Nov 2018 03:44

Instrument :

MSVOA_W

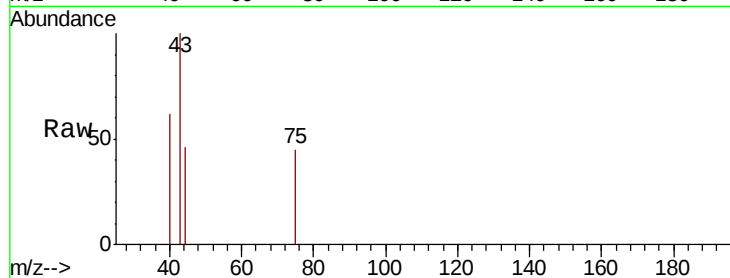
ClientSampled :

Tot Ion: 43 Resp: 541

Ion Ratio Lower Upper

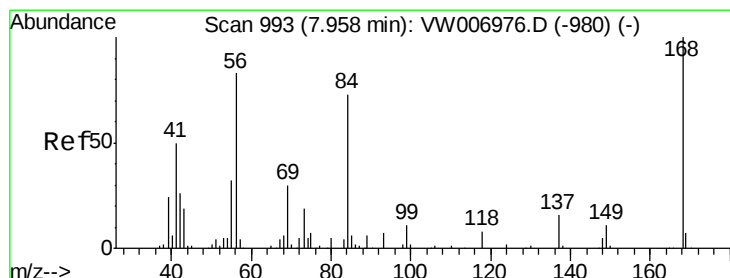
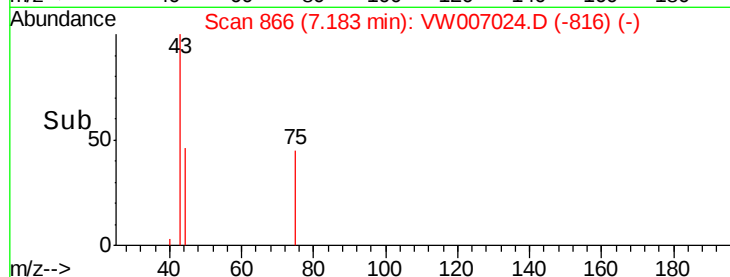
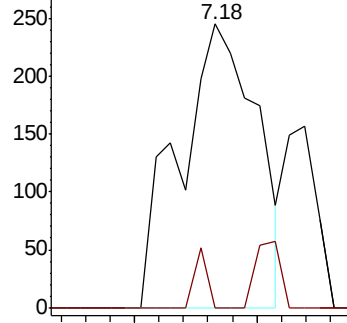
43 100

72 0.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.793 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW007024.D

Acq: 22 Nov 2018 03:44

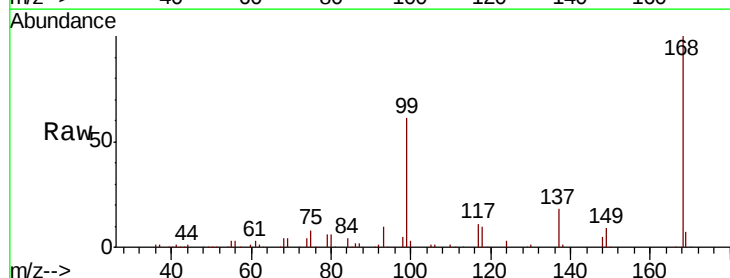
Tgt Ion: 56 Resp: 3336

Ion Ratio Lower Upper

56 100

69 124.9 29.1 43.7#

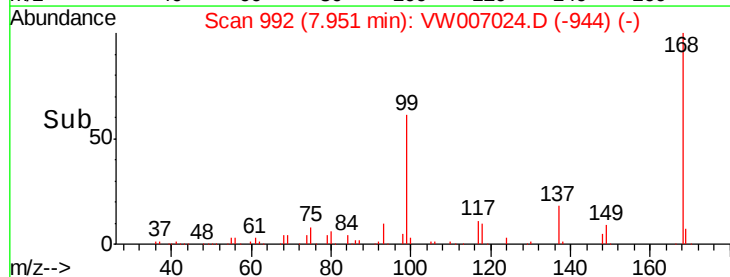
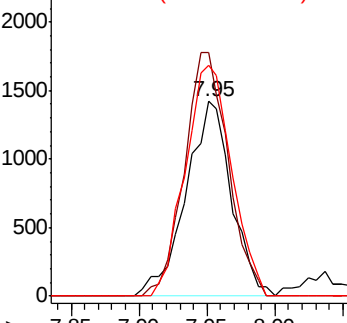
84 118.3 70.6 105.8#

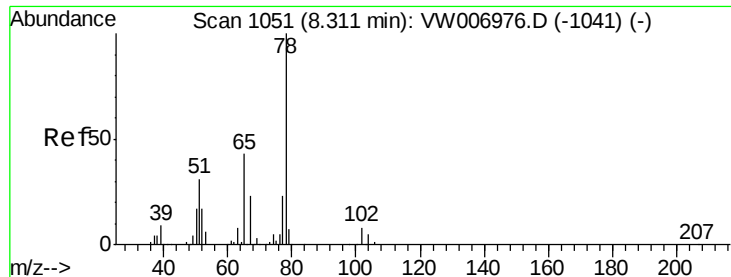


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

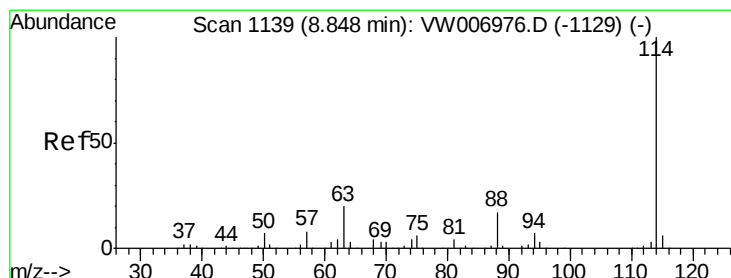
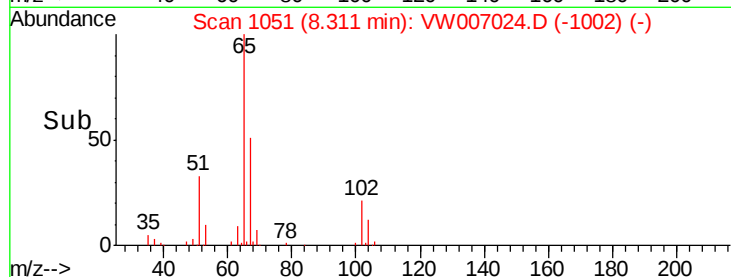
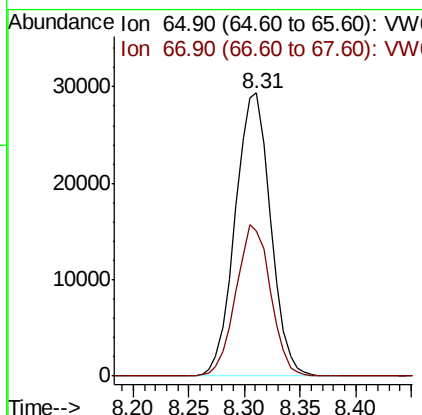
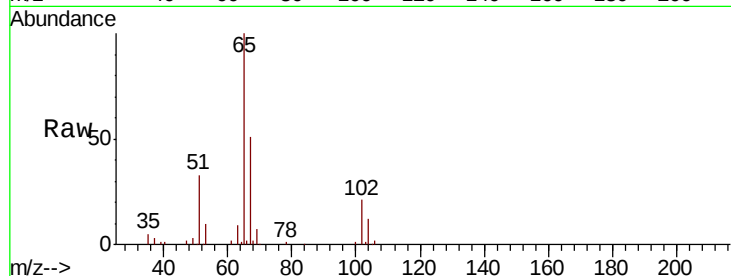




#33
 1,2-Dichloroethane-d4
 Concen: 67.042 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007024.D
 Acq: 22 Nov 2018 03:44

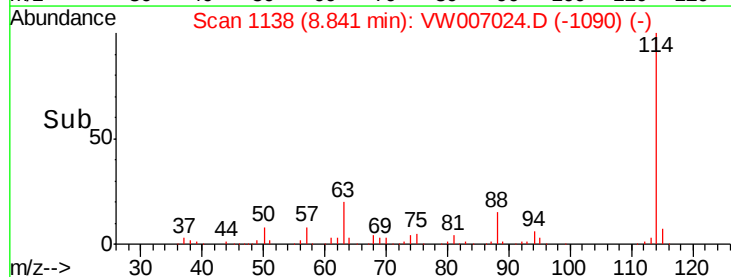
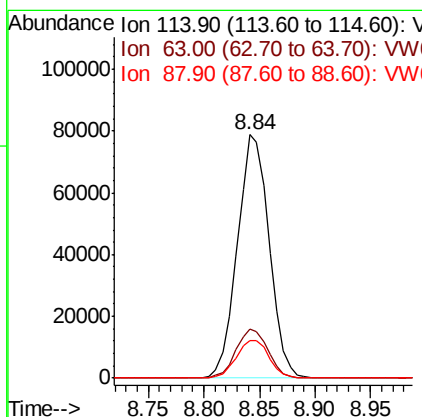
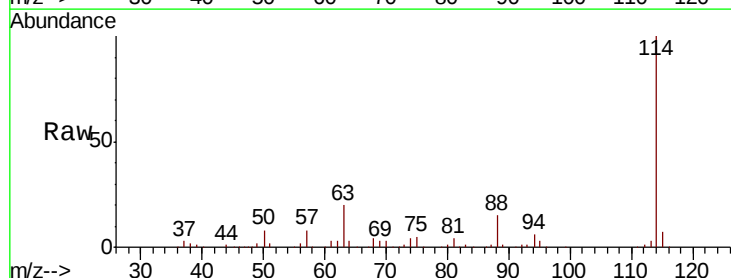
Instrument :
 MSVOA_W
 ClientSampleId :

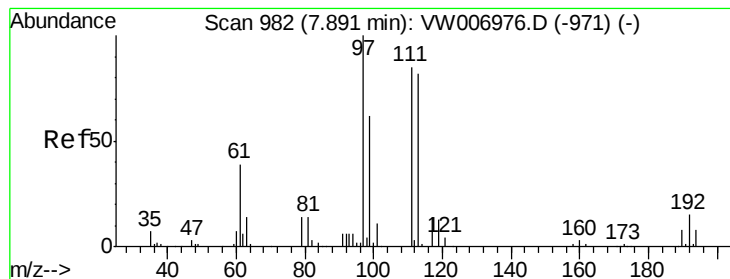
Tot Ion: 65 Resp: 64756
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007024.D
 Acq: 22 Nov 2018 03:44

Tgt Ion: 114 Resp: 155923
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.4
 88 15.5 0.0 34.2





#35

Dibromofluoromethane

Concen: 61.836 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW007024.D

Acq: 22 Nov 2018 03:44

Instrument :

MSVOA_W

ClientSampleId :

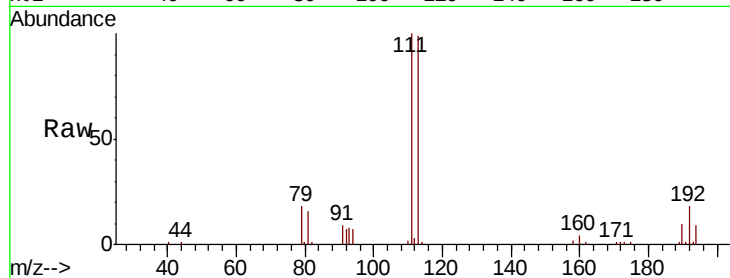
Tot Ion:113 Resp: 54449

Ion Ratio Lower Upper

113 100

111 102.7 81.0 121.6

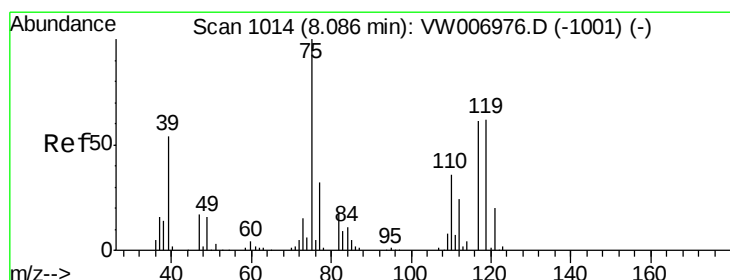
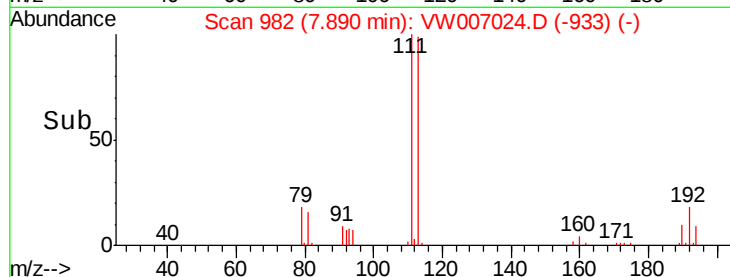
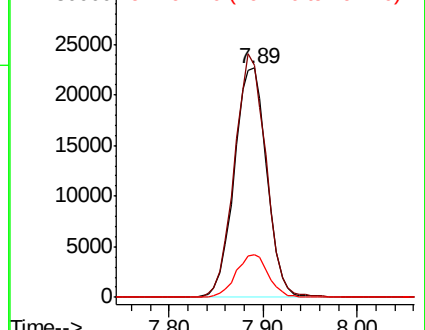
192 18.2 15.0 22.6



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: 5.124 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007024.D

Acq: 22 Nov 2018 03:44

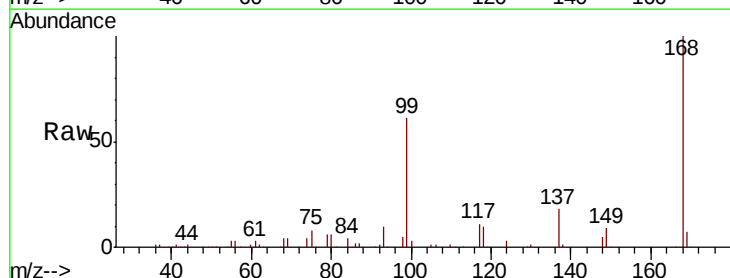
Tgt Ion: 75 Resp: 7807

Ion Ratio Lower Upper

75 100

110 9.2 18.0 54.0#

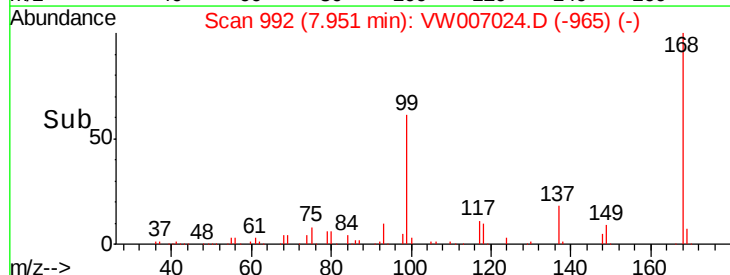
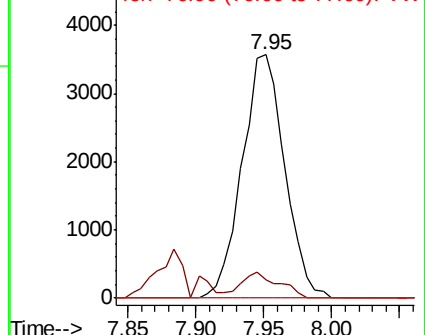
77 0.0 24.9 37.3#

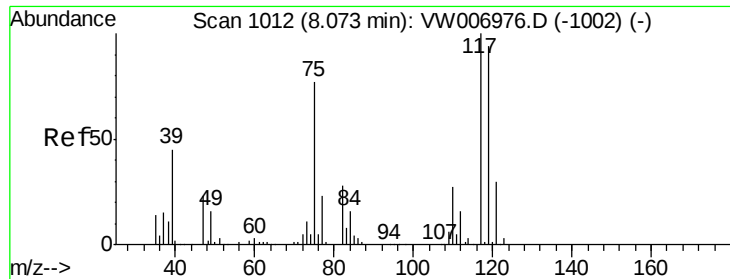


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

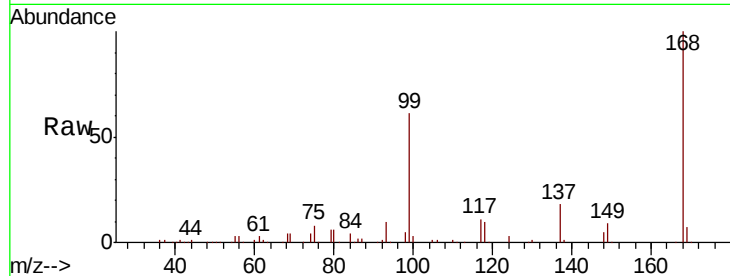




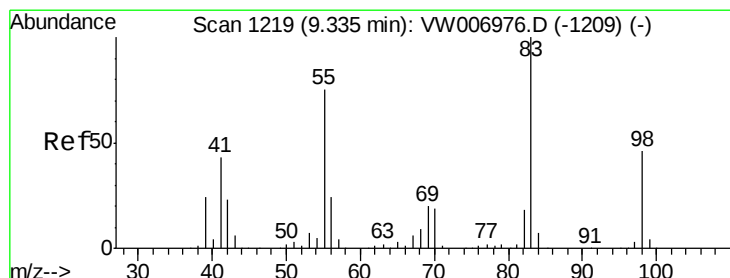
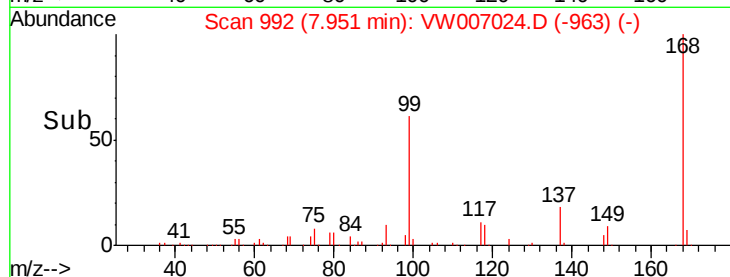
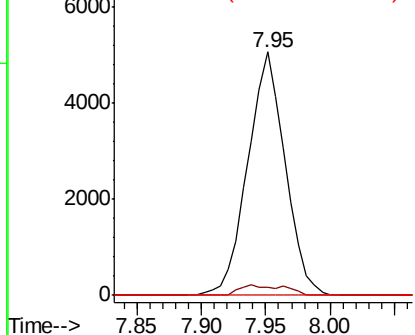
#38
Carbon Tetrachloride
Concen: 6.945 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007024.D
Acq: 22 Nov 2018 03:44

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 10134
Ion Ratio Lower Upper
117 100
119 3.4 74.9 112.3#
121 0.0 23.6 35.4#

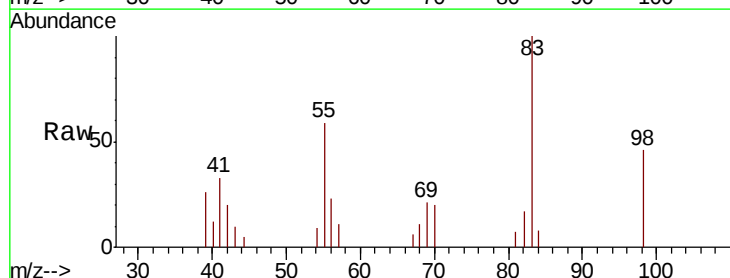


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

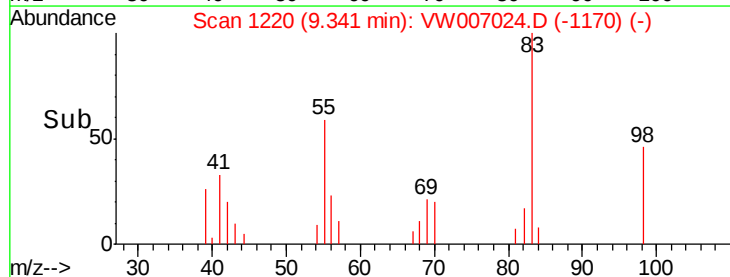
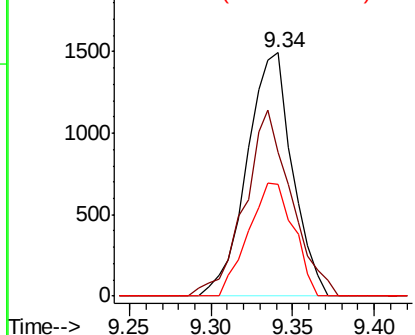


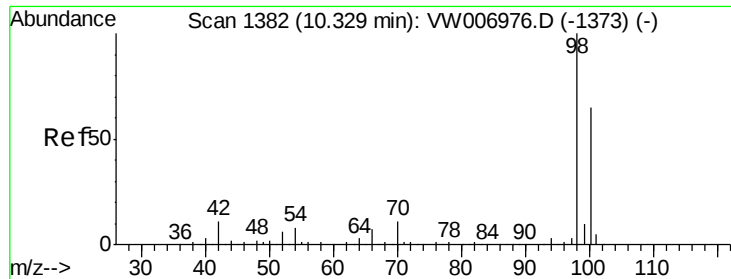
#39
Methylcyclohexane
Concen: 1.520 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW007024.D
Acq: 22 Nov 2018 03:44

Tgt Ion: 83 Resp: 2898
Ion Ratio Lower Upper
83 100
55 59.3 59.6 89.4#
98 45.8 37.1 55.7



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#50

Toluene-d8

Concen: 20.430 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007024.D

Acq: 22 Nov 2018 03:44

Instrument :

MSVOA_W

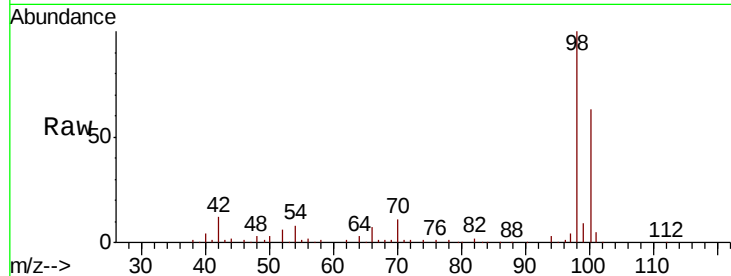
ClientSampled :

Tot Ion: 98 Resp: 79440

Ion Ratio Lower Upper

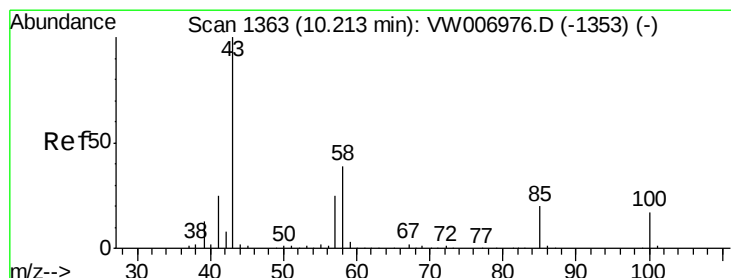
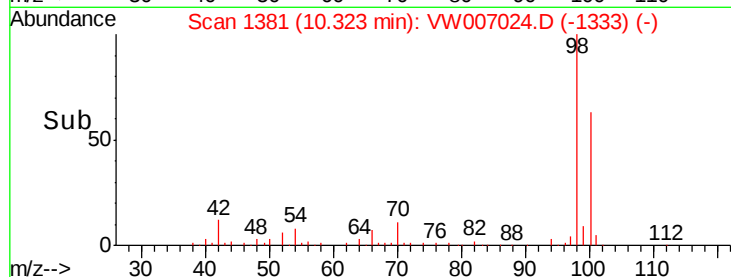
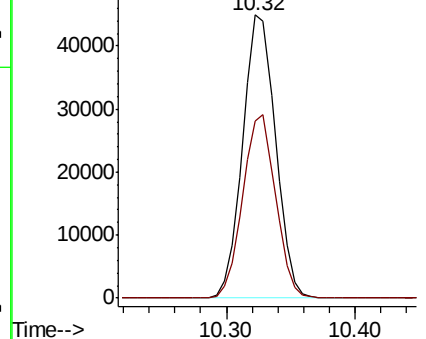
98 100

100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.444 ug/l

RT: 10.10 min Scan# 1345

Delta R.T. -0.11 min

Lab File: VW007024.D

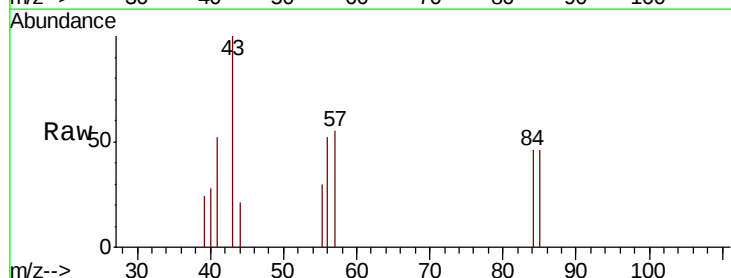
Acq: 22 Nov 2018 03:44

Tgt Ion: 43 Resp: 768

Ion Ratio Lower Upper

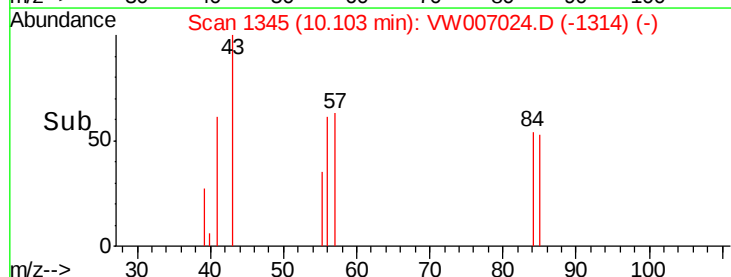
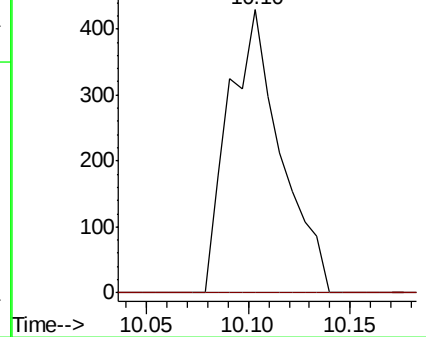
43 100

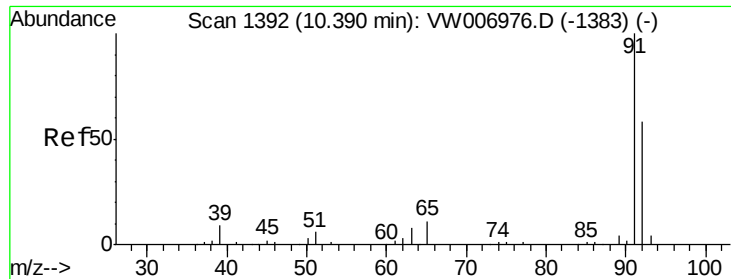
58 0.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 1.817 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007024.D

Acq: 22 Nov 2018 03:44

Instrument :

MSVOA_W

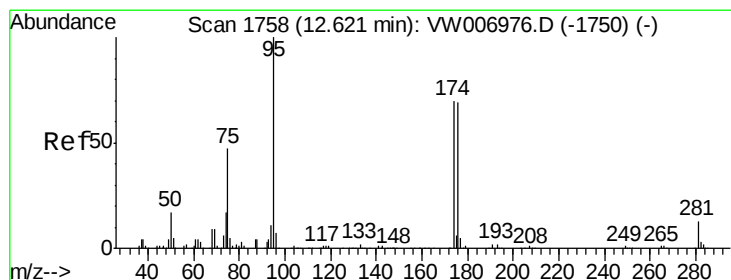
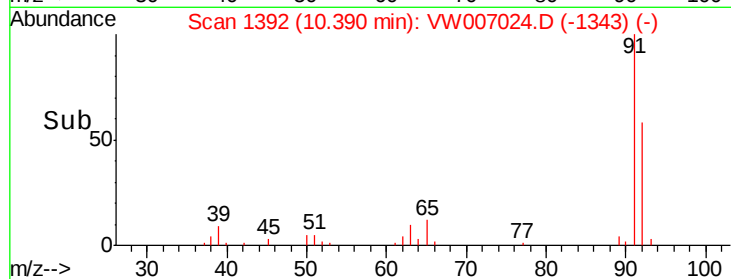
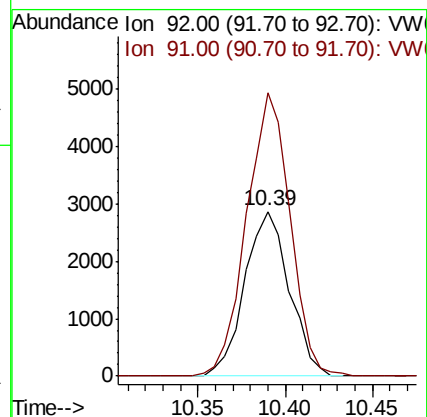
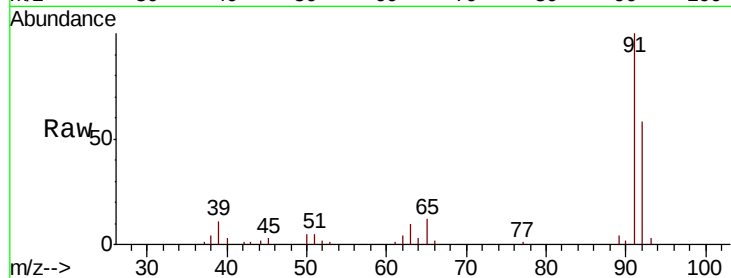
ClientSampled :

Tot Ion: 92 Resp: 5085

Ion Ratio Lower Upper

92 100

91 167.9 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 44.762 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007024.D

Acq: 22 Nov 2018 03:44

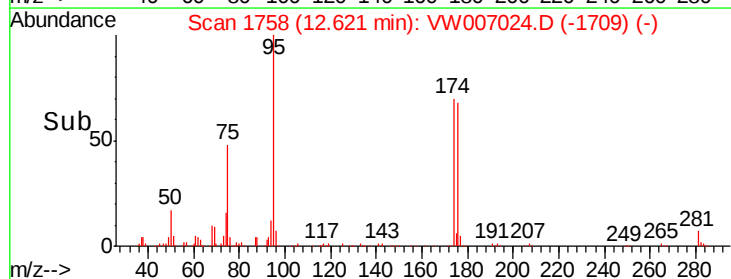
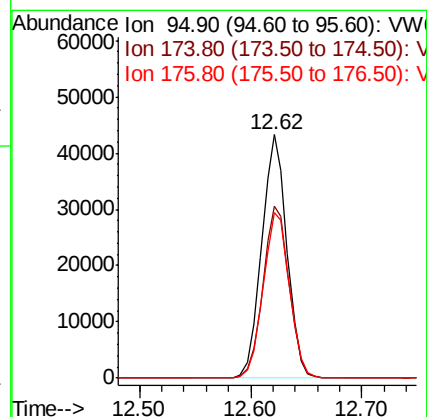
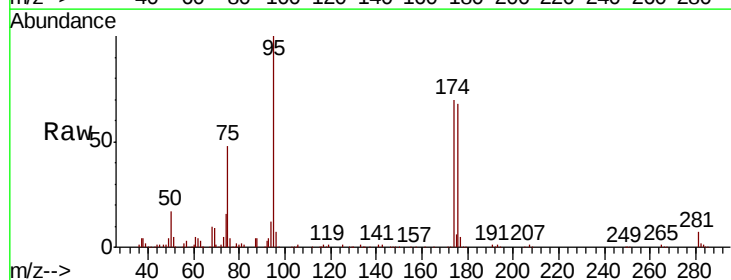
Tgt Ion: 95 Resp: 68492

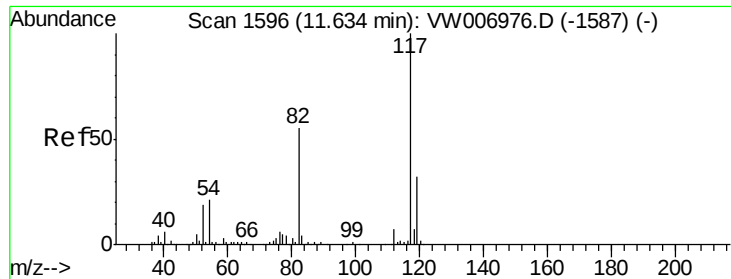
Ion Ratio Lower Upper

95 100

174 72.6 0.0 143.6

176 70.7 0.0 140.4

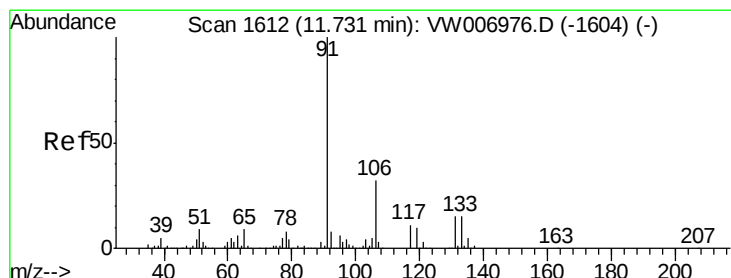
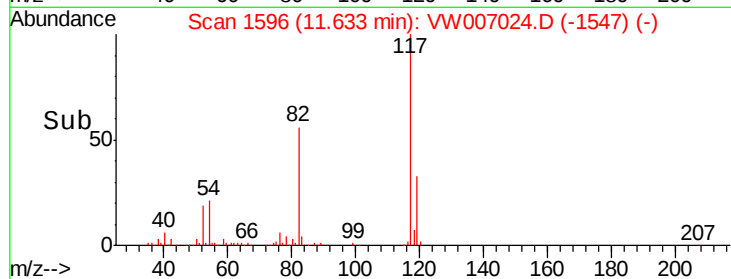
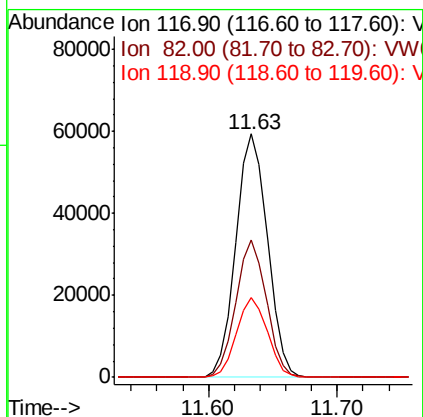
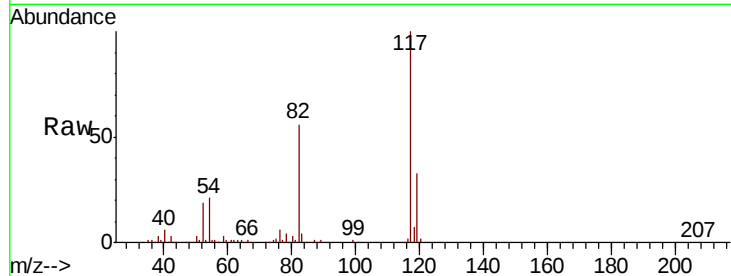




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007024.D
Acq: 22 Nov 2018 03:44

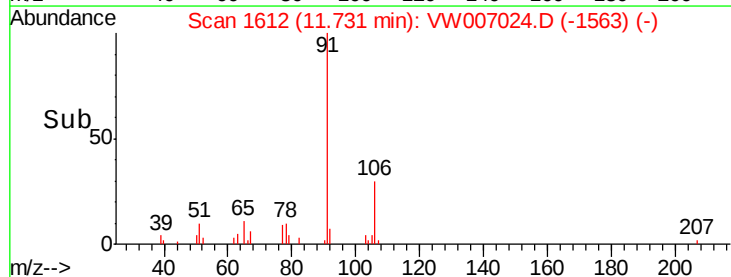
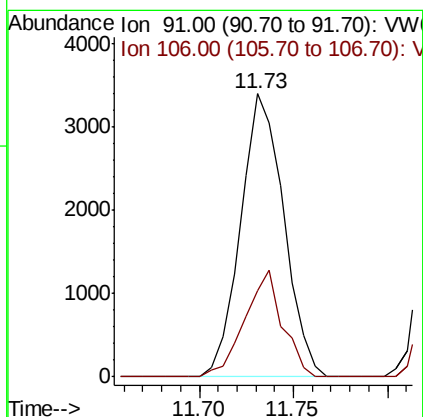
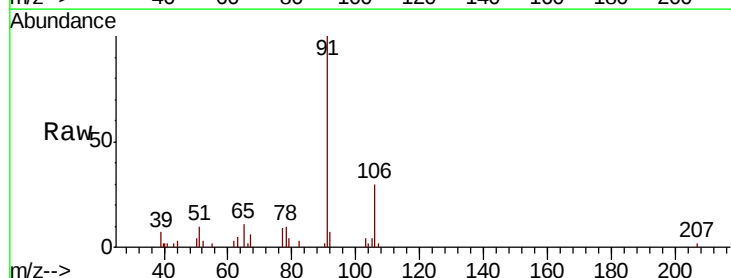
Instrument :
MSVOA_W
ClientSampleId :

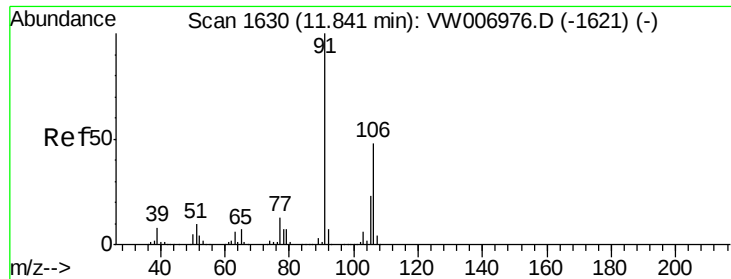
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.2	66.2
119	32.7	25.9	38.9



#67
Ethyl Benzene
Concen: 1.388 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007024.D
Acq: 22 Nov 2018 03:44

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	25.4	38.2

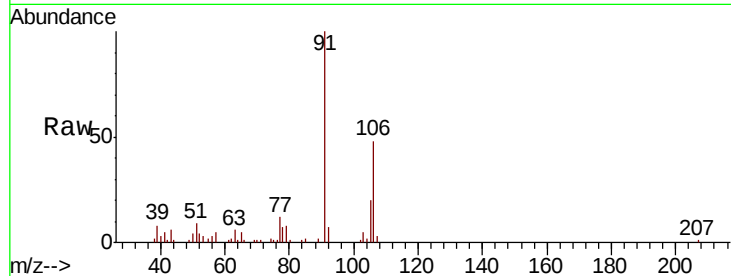




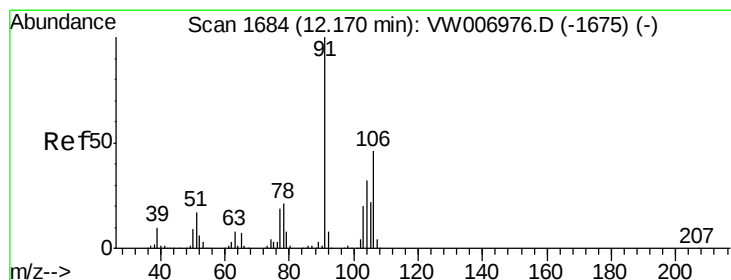
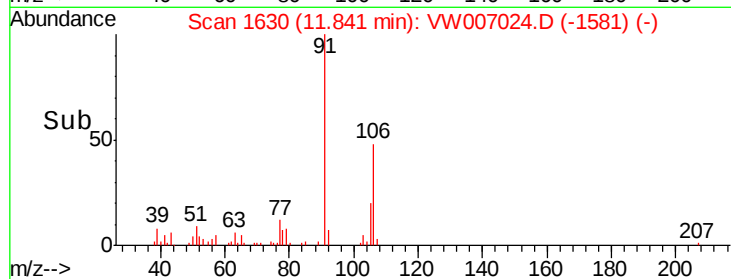
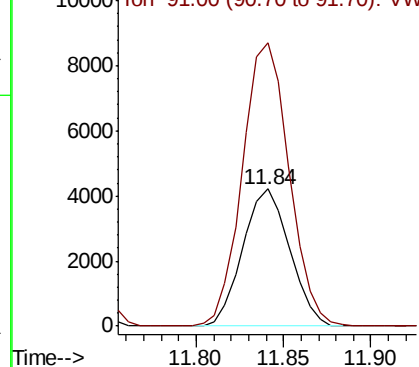
#68
m/p-Xylenes
Concen: 5.160 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007024.D
Acq: 22 Nov 2018 03:44

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 7854
Ion Ratio Lower Upper
106 100
91 206.0 164.8 247.2

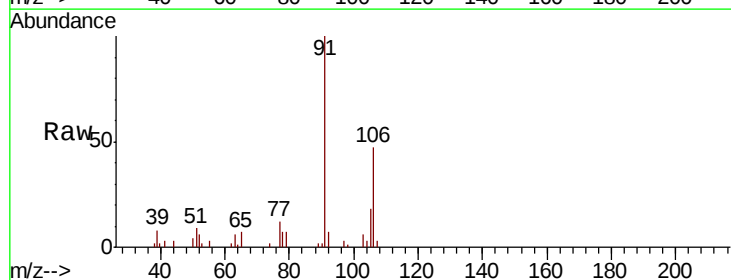


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

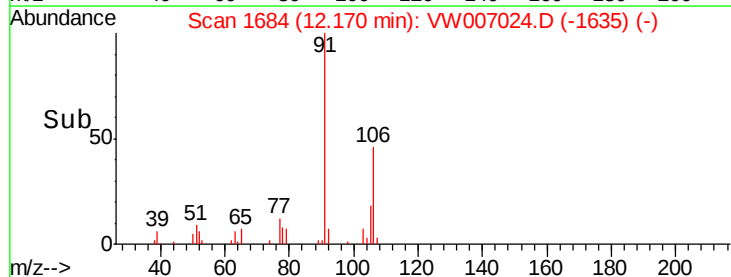
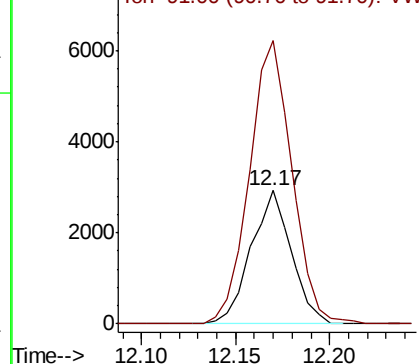


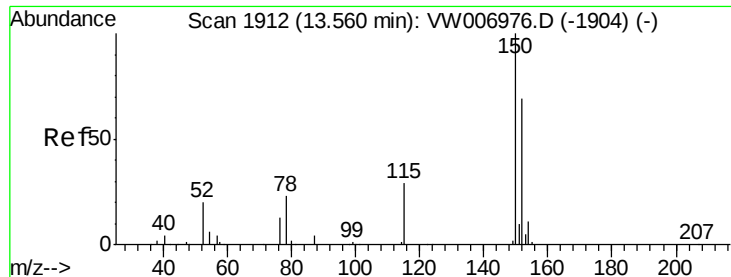
#69
o-Xylene
Concen: 3.014 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007024.D
Acq: 22 Nov 2018 03:44

Tgt Ion:106 Resp: 4326
Ion Ratio Lower Upper
106 100
91 224.4 107.9 323.8



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



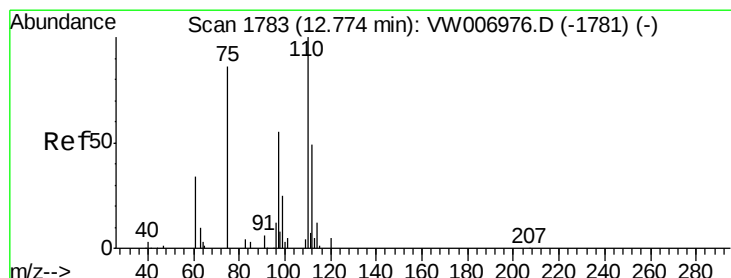
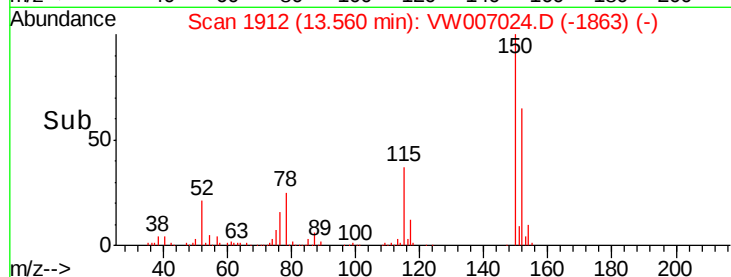
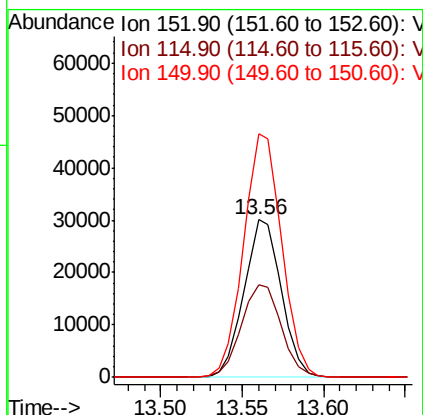
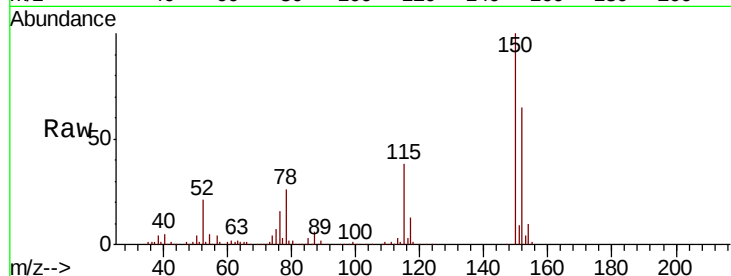


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007024.D
Acq: 22 Nov 2018 03:44

Instrument :
MSVOA_W
ClientSampleId :

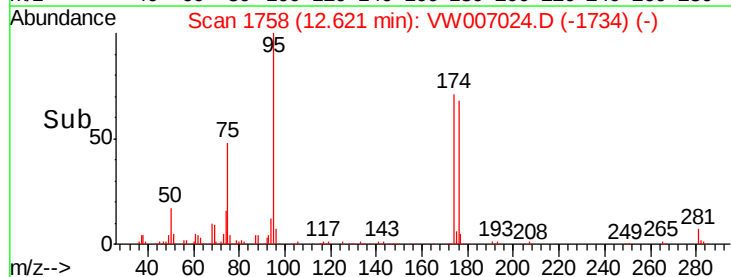
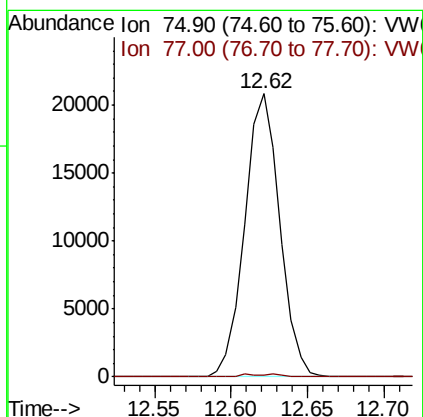
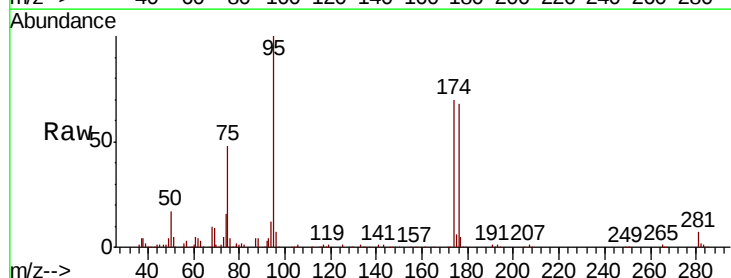
Tot Ion:152 Resp: 47908
Ion Ratio Lower Upper
152 100
115 63.2 31.4 94.2
150 157.8 0.0 353.4

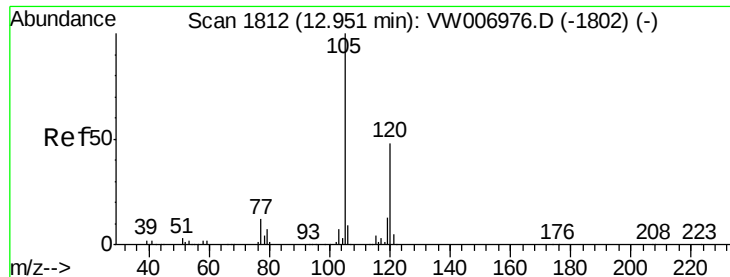


#76

1,2,3-Trichloropropane
Concen: 88.164 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW007024.D
Acq: 22 Nov 2018 03:44

Tgt Ion: 75 Resp: 33190
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

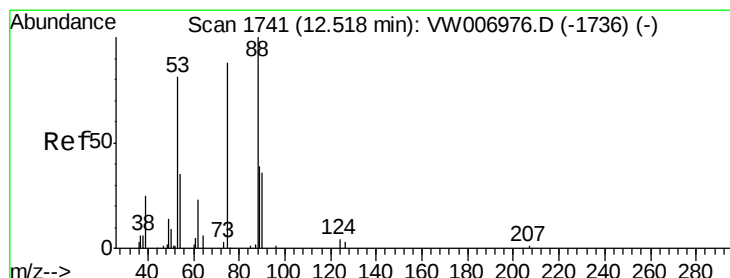
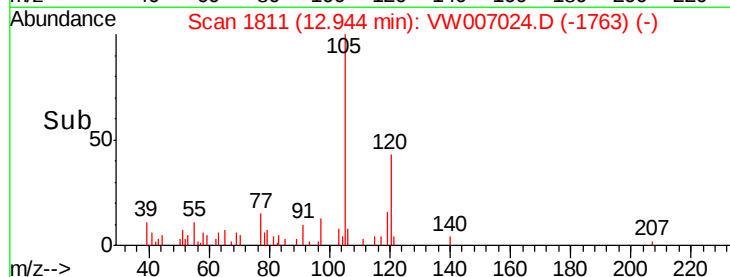
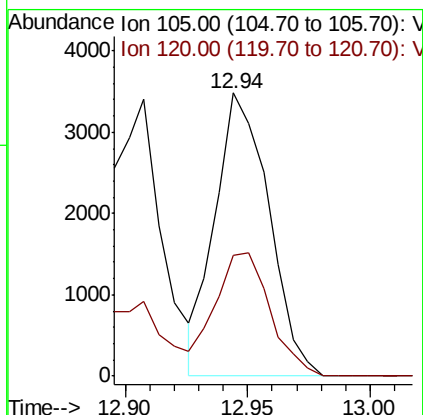
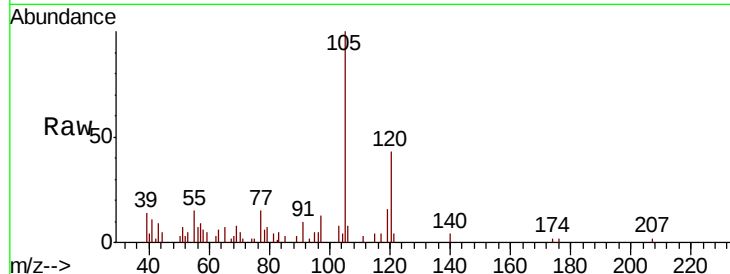




#80
 1,3,5-Trimethylbenzene
 Concen: 1.653 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: VW007024.D
 Acq: 22 Nov 2018 03:44

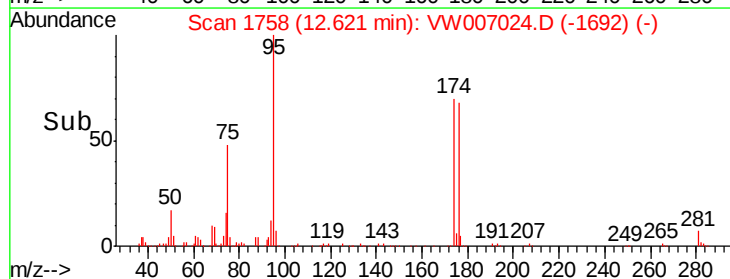
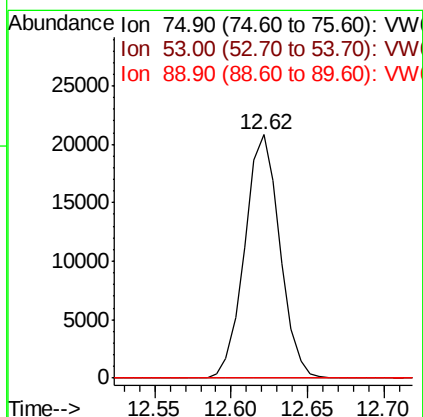
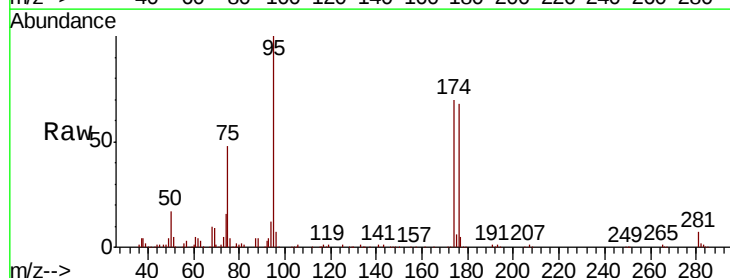
Instrument :
 MSVOA_W
 ClientSampleId :

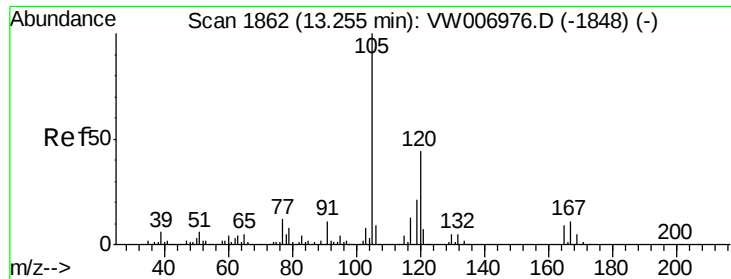
Tot Ion:105 Resp: 5322
 Ion Ratio Lower Upper
 105 100
 120 44.8 23.8 71.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 221.344 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007024.D
 Acq: 22 Nov 2018 03:44

Tgt Ion: 75 Resp: 33190
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 39.3 58.9#

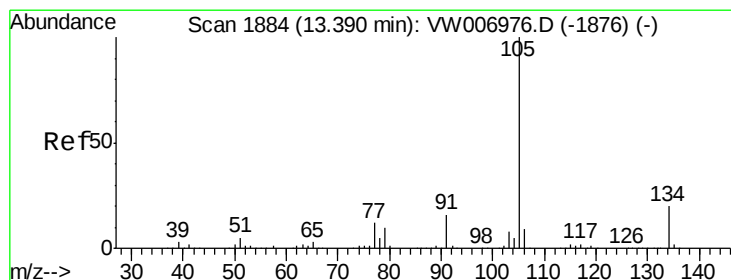
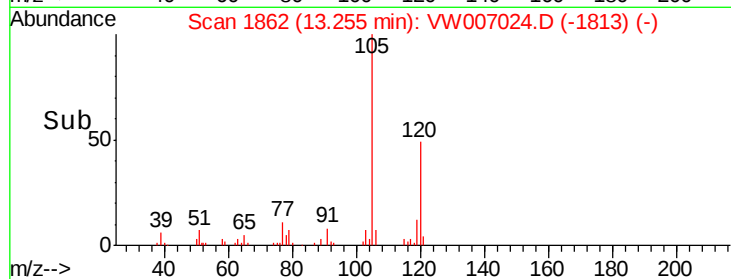
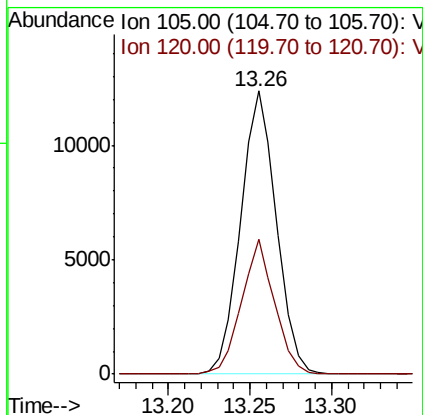
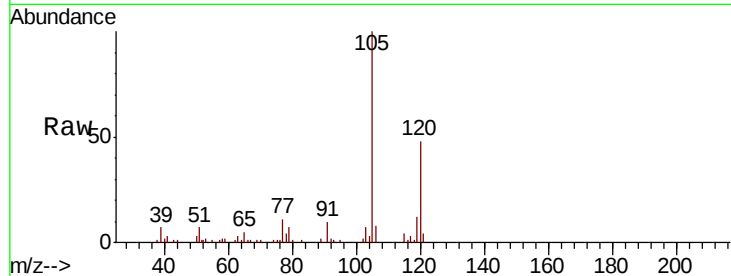




#84
 1,2,4-Trimethylbenzene
 Concen: 5.865 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007024.D
 Acq: 22 Nov 2018 03:44

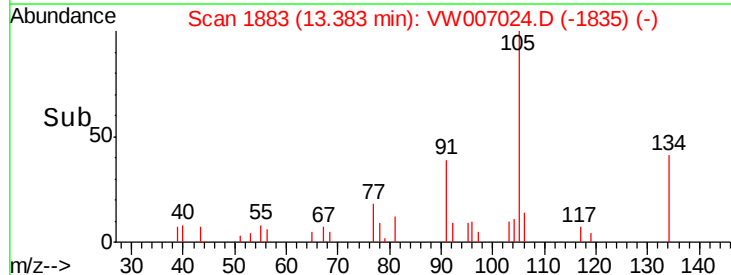
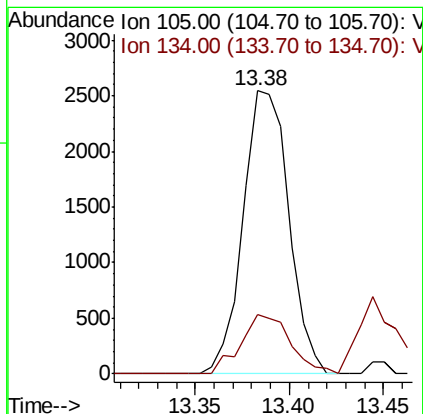
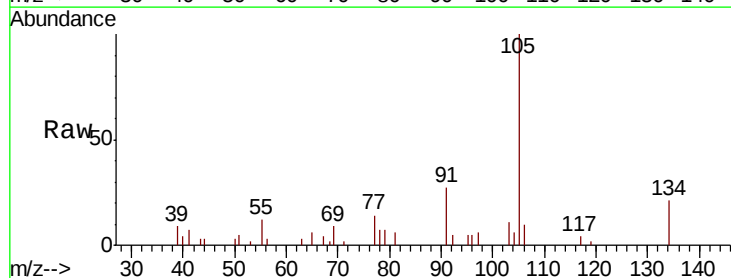
Instrument :
 MSVOA_W
 ClientSampled :

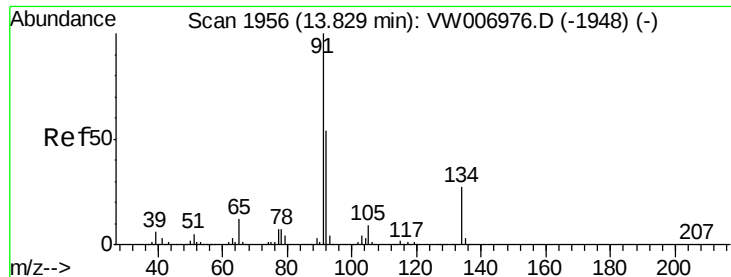
Tot Ion:105 Resp: 18813
 Ion Ratio Lower Upper
 105 100
 120 43.9 21.8 65.3



#85
 sec-Butylbenzene
 Concen: 1.087 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VW007024.D
 Acq: 22 Nov 2018 03:44

Tgt Ion:105 Resp: 4282
 Ion Ratio Lower Upper
 105 100
 134 22.6 9.8 29.3





#89

n-Butylbenzene

Concen: 1.080 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.01 min

Lab File: VW007024.D

Acq: 22 Nov 2018 03:44

Instrument :

MSVOA_W

ClientSampled :

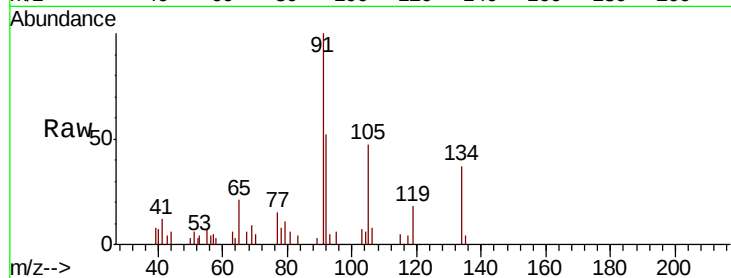
Tot Ion: 91 Resp: 3530

Ion Ratio Lower Upper

91 100

92 61.3 26.8 80.4

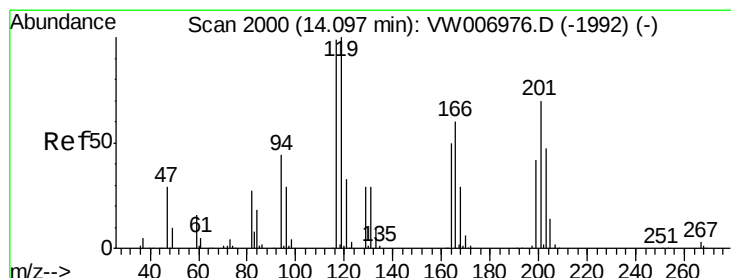
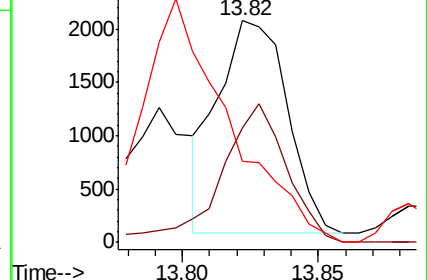
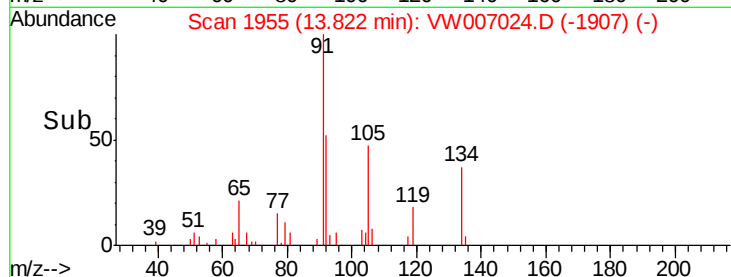
134 0.0 13.3 39.8#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 2.011 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007024.D

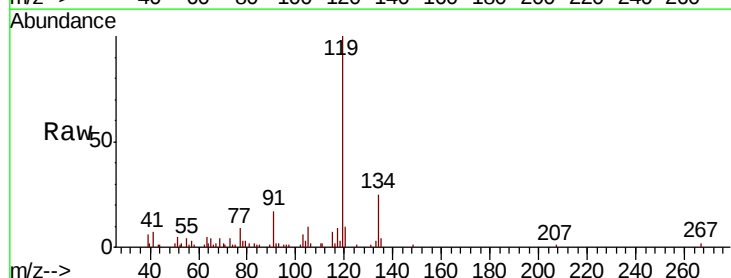
Acq: 22 Nov 2018 03:44

Tgt Ion: 117 Resp: 1020

Ion Ratio Lower Upper

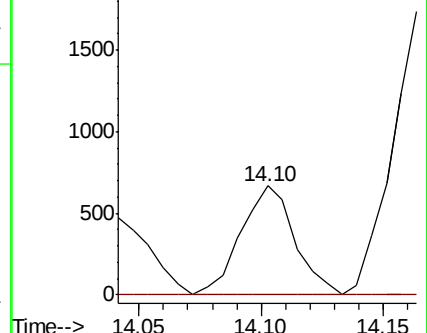
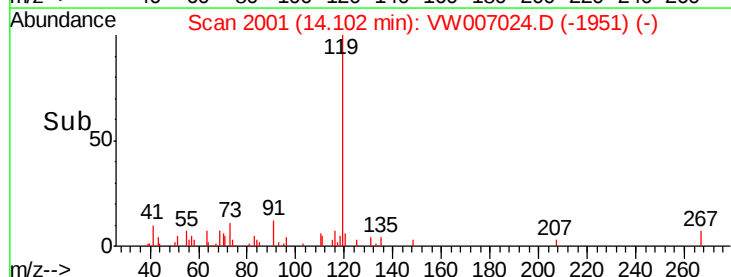
117 100

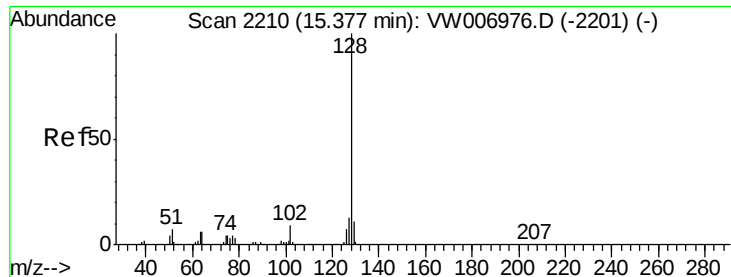
201 0.0 35.9 107.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95

Napthalene

Concen: 1.730 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007024.D

Acq: 22 Nov 2018 03:44

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:128 Resp: 2962

Ion Ratio Lower Upper

128 100

127 14.6 10.5 15.7

129 16.0 8.7 13.1#

