

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111218\
 Data File : VW006845.D
 Acq On : 13 Nov 2018 09:34
 Operator : SY/AP
 Sample : J5887-07RE
 Misc : 6.63G/5ML/MSVOA W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 13 11:00:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 14:58:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	190013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	274460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	270355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	141141	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	62974	45.34	ug/l	0.00
Spiked Amount			Recovery	=	90.68%	
35) Dibromofluoromethane	7.89	113	72752	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	
50) Toluene-d8	10.33	98	283928	41.91	ug/l	0.00
Spiked Amount			Recovery	=	83.82%	
62) 4-Bromofluorobenzene	12.62	95	104639	41.94	ug/l	0.00
Spiked Amount			Recovery	=	83.88%	

Target Compounds

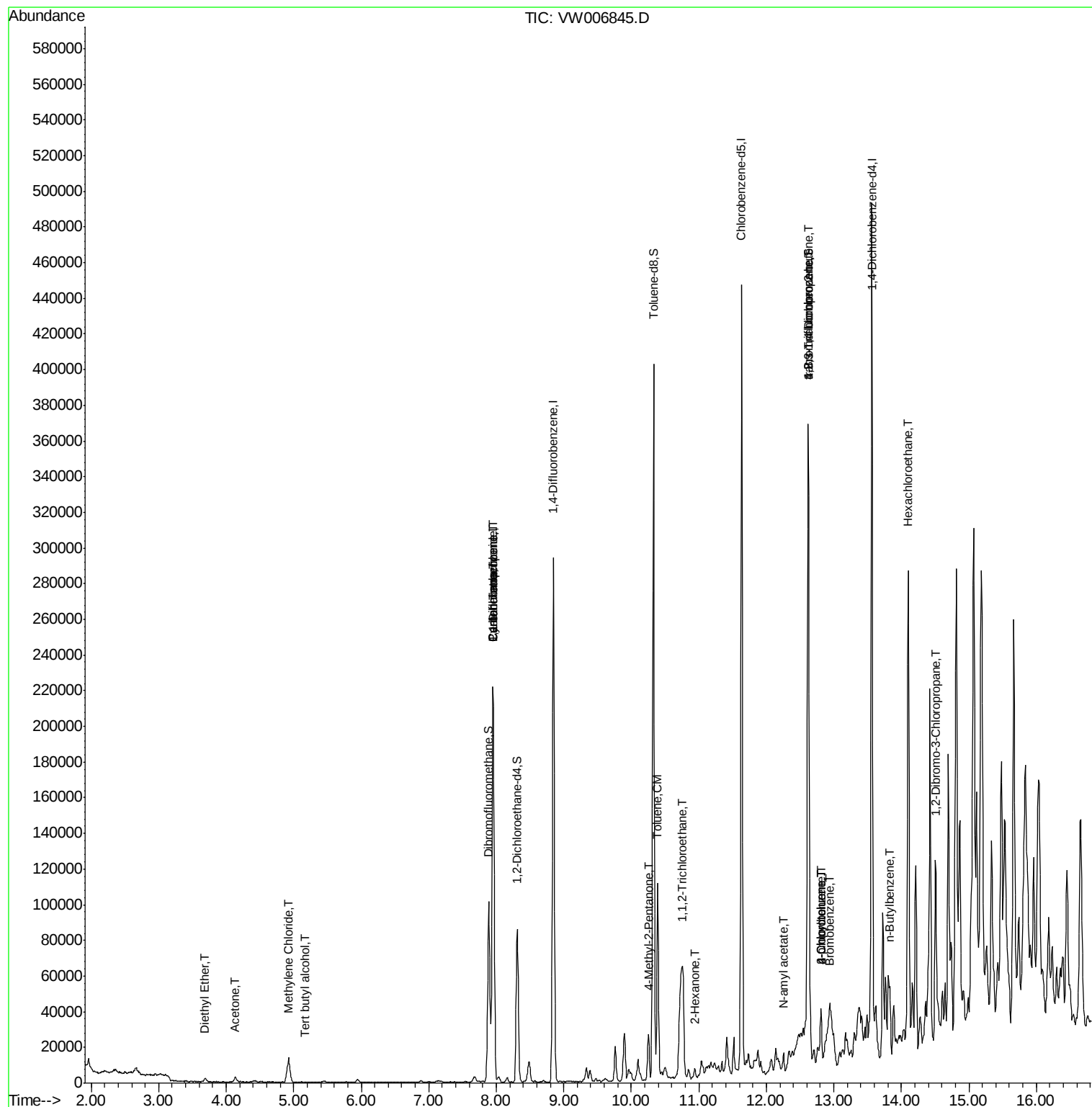
					Qvalue	
8) Diethyl Ether	3.69	74	1140	1.550	ug/l	99
11) Tert butyl alcohol	5.18	59	146	1.601	ug/l #	72
16) Acetone	4.14	43	4590	23.009	ug/l	99
20) Methylene Chloride	4.92	84	11101	1.020	ug/l #	90
31) Cyclohexane	7.95	56	3088	1.160	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	10815	4.211	ug/l #	48
38) Carbon Tetrachloride	7.95	117	15460	5.538	ug/l #	16
51) 4-Methyl-2-Pentanone	10.25	43	2659	3.247	ug/l #	81
52) Toluene	10.39	92	48917	9.661	ug/l	98
55) 1,1,2-Trichloroethane	10.76	97	3299	2.399	ug/l #	33
59) 2-Hexanone	10.94	43	1966	3.480	ug/l #	22
74) N-amyl acetate	12.26	43	2370	1.600	ug/l #	73
76) 1,2,3-Trichloropropane	12.62	75	46437	45.654	ug/l #	100
77) Bromobenzene	12.93	156	34640	14.024	ug/l #	1
78) n-propylbenzene	12.81	91	24016	2.077	ug/l	98
79) 2-Chlorotoluene	12.81	91	24016	3.702	ug/l #	38
81) trans-1,4-Dichloro-2-buten	12.62	75	46437	112.928	ug/l #	13
82) 4-Chlorotoluene	12.81	91	24016	3.470	ug/l #	38
89) n-Butylbenzene	13.83	91	24352	2.777	ug/l #	75
90) Hexachloroethane	14.10	117	13403	8.729	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	14.51	75	311	1.433	ug/l #	4

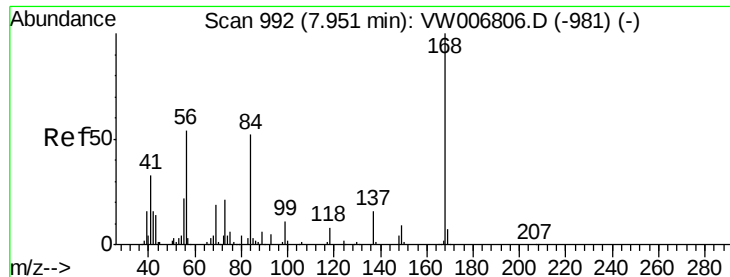
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 13 11:00:33 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 14:58:58 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: VW006845.D

Acq: 13 Nov 2018 09:34

Instrument :

MSVOA_W

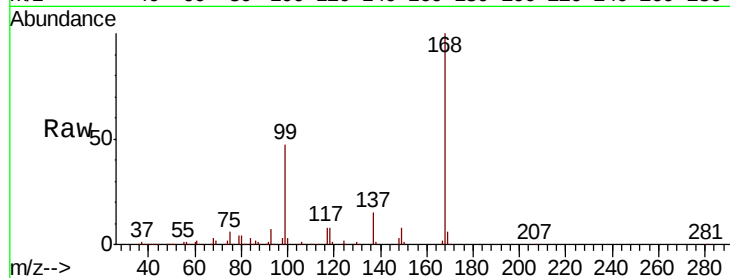
ClientSampled :

Tot Ion:168 Resp: 190013

Ion Ratio Lower Upper

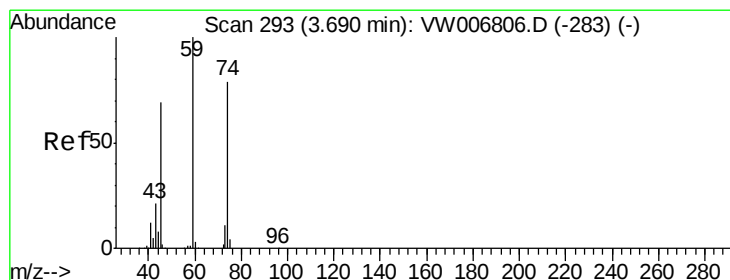
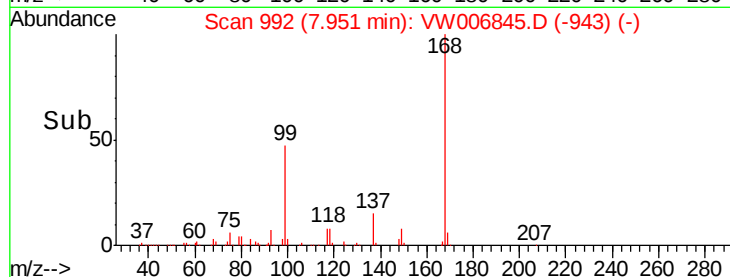
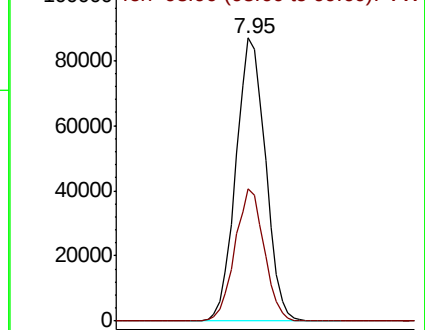
168 100

99 46.8 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.550 ug/l

RT: 3.69 min Scan# 293

Delta R.T. -0.00 min

Lab File: VW006845.D

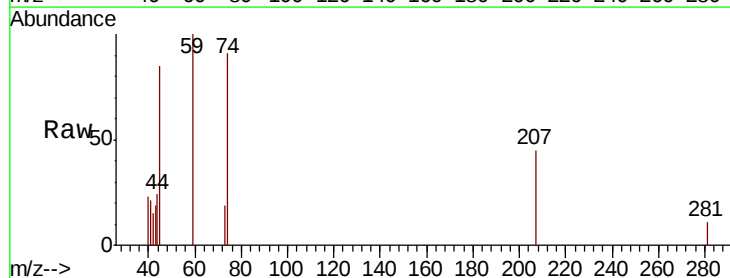
Acq: 13 Nov 2018 09:34

Tgt Ion: 74 Resp: 1140

Ion Ratio Lower Upper

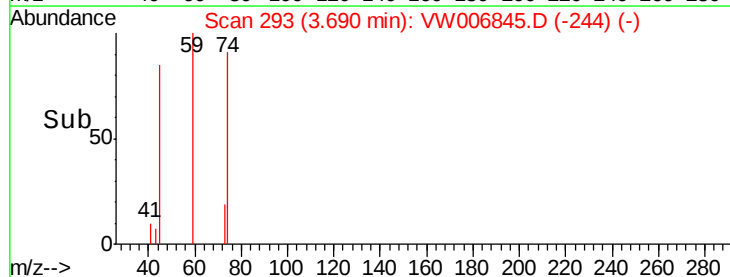
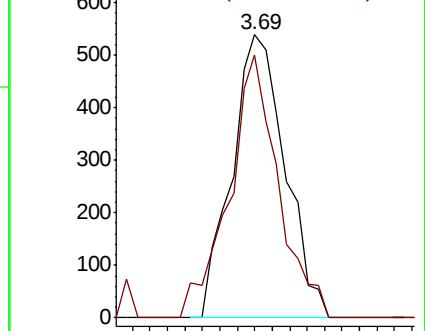
74 100

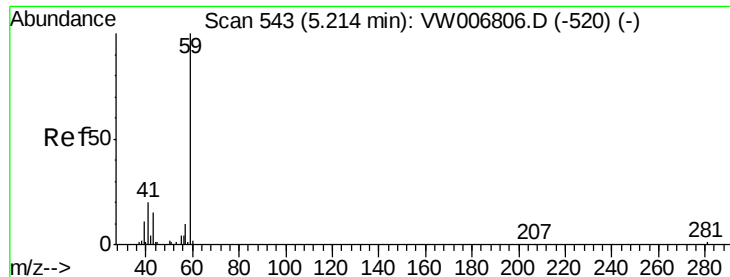
45 85.7 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

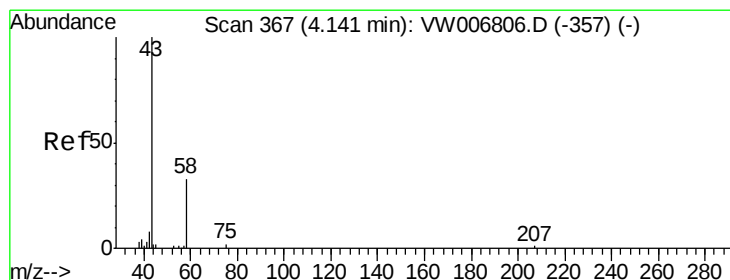
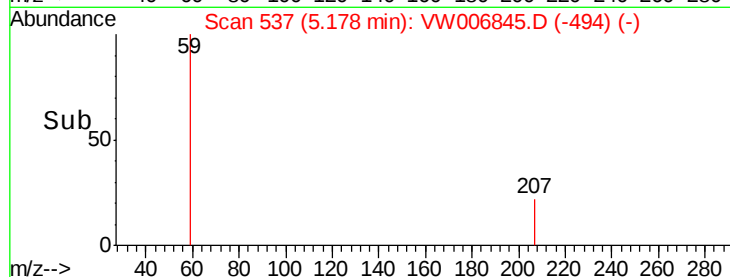
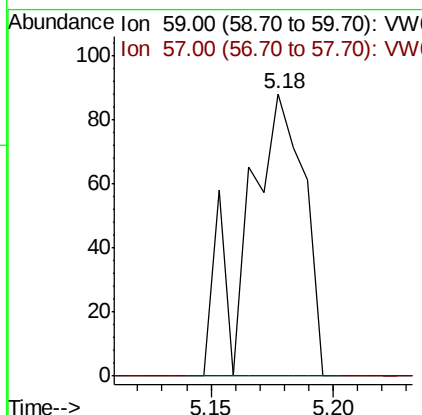
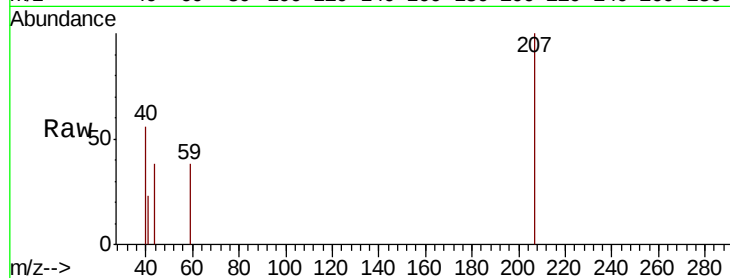




#11
Tert butyl alcohol
Concen: 1.601 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.04 min
Lab File: VW006845.D
Acq: 13 Nov 2018 09:34

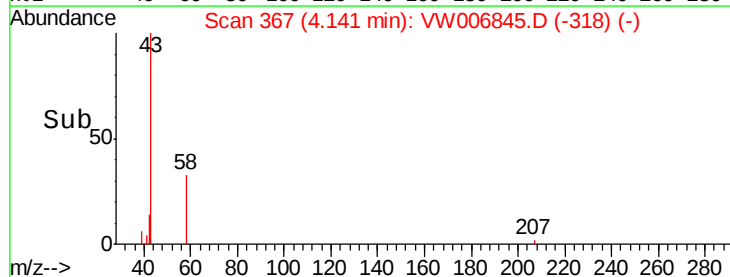
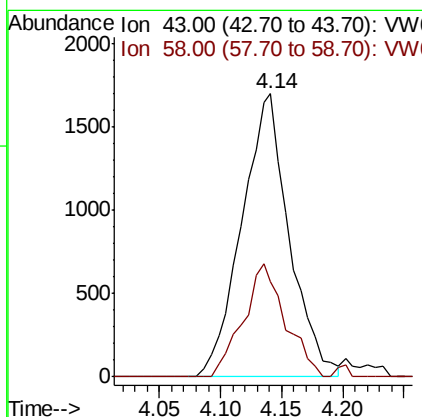
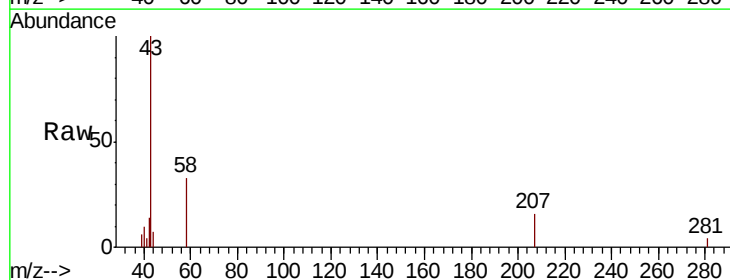
Instrument :
MSVOA_W
ClientSampled :

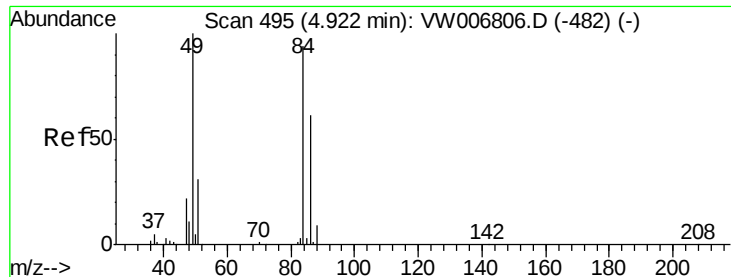
Tot Ion: 59 Resp: 146
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 23.009 ug/l
RT: 4.14 min Scan# 367
Delta R.T. -0.00 min
Lab File: VW006845.D
Acq: 13 Nov 2018 09:34

Tgt Ion: 43 Resp: 4590
Ion Ratio Lower Upper
43 100
58 33.5 26.5 39.7

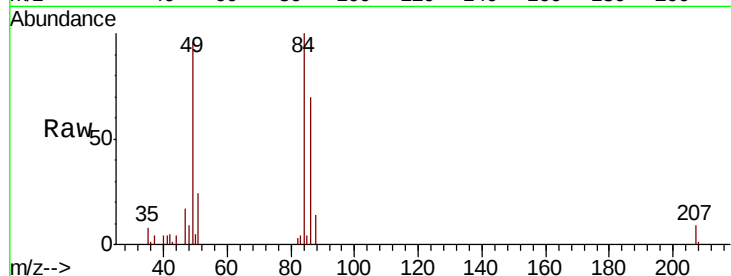




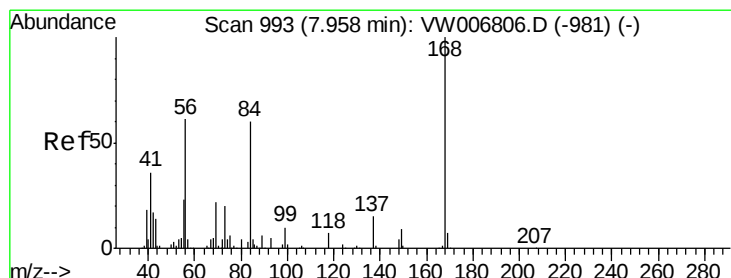
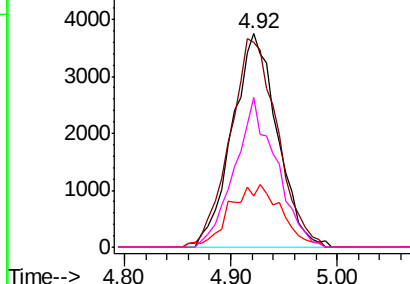
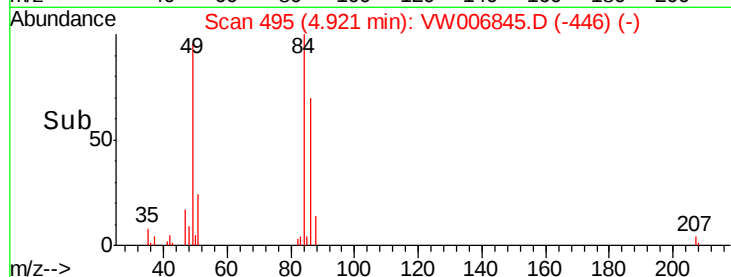
#20
Methvlene Chloride
Concen: 1.020 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006845.D
Acq: 13 Nov 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 11101
Ion Ratio Lower Upper
84 100
49 95.6 84.8 127.2
51 24.1 26.2 39.4#
86 70.2 51.8 77.8

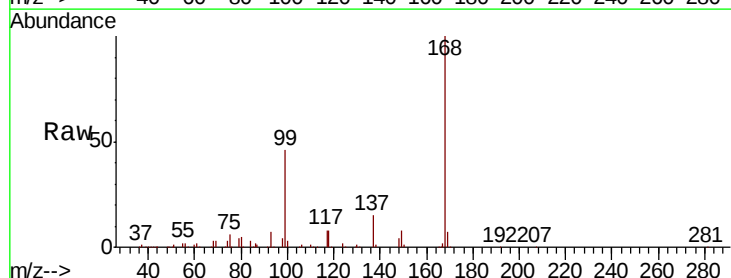


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

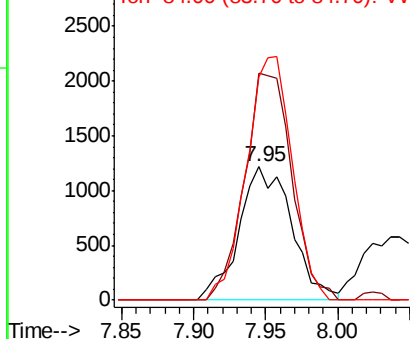
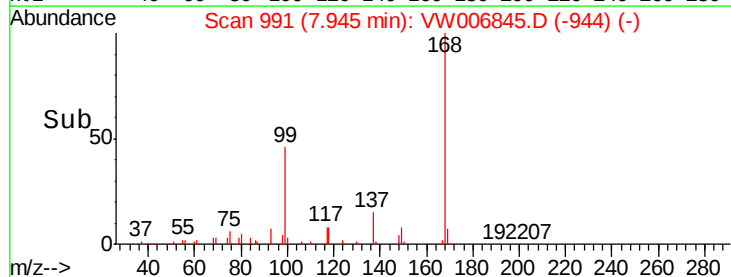


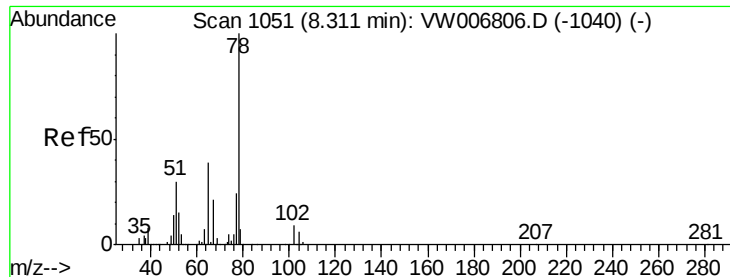
#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006845.D
Acq: 13 Nov 2018 09:34

Tgt Ion: 56 Resp: 3088
Ion Ratio Lower Upper
56 100
69 170.3 28.9 43.3#
84 167.3 79.0 118.4#



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

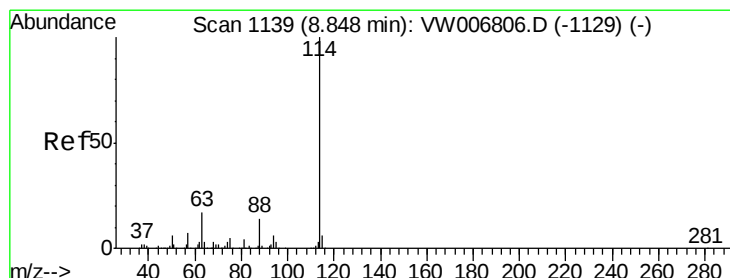
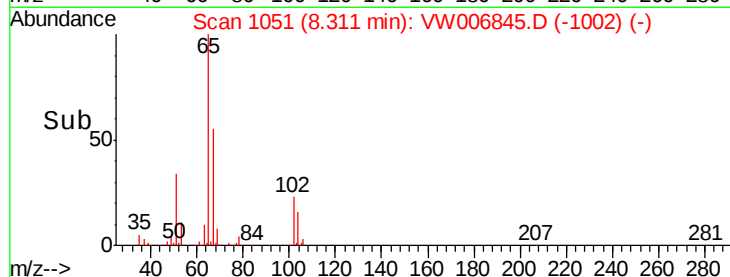
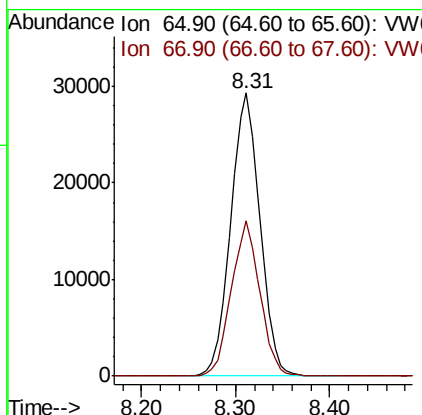
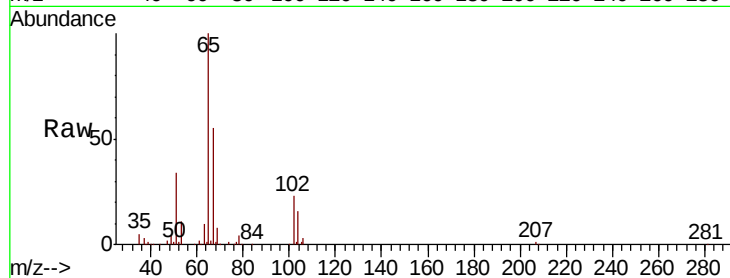




#33
 1,2-Dichloroethane-d4
 Concen: 45.336 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006845.D
 Acq: 13 Nov 2018 09:34

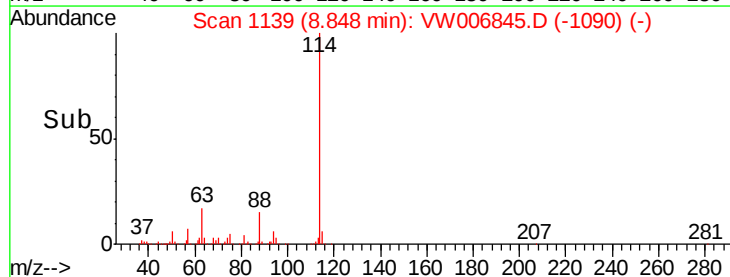
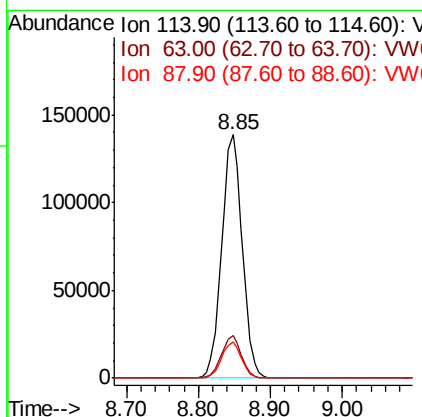
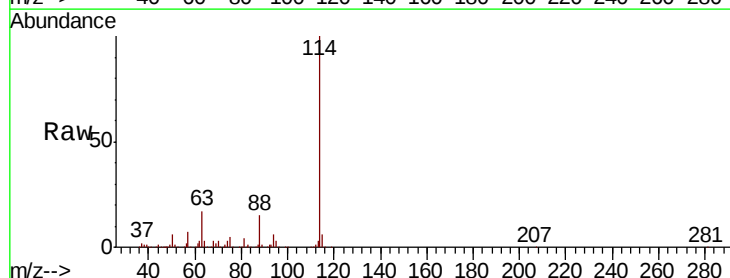
Instrument :
 MSVOA_W
 ClientSampleId :

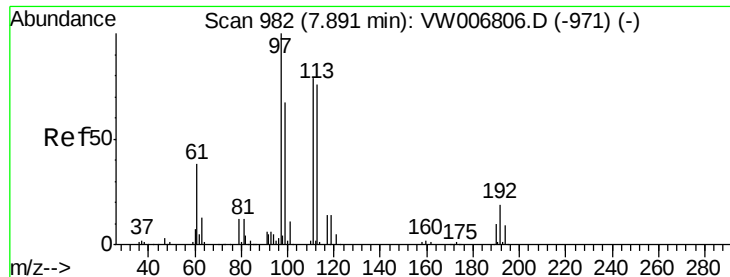
Tot Ion: 65 Resp: 62974
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006845.D
 Acq: 13 Nov 2018 09:34

Tgt Ion: 114 Resp: 274460
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 33.6
 88 14.7 0.0 28.4

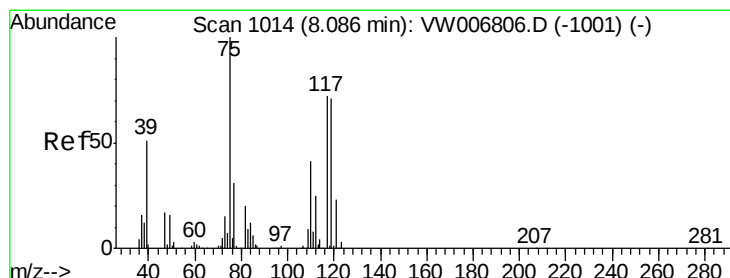
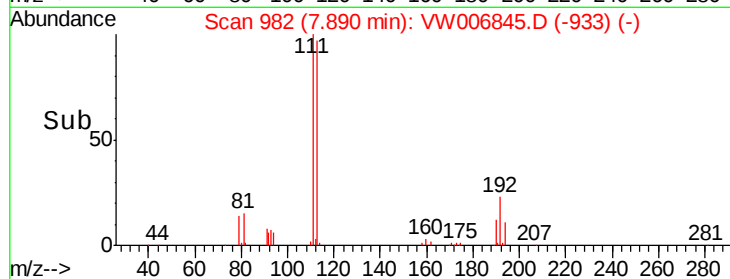
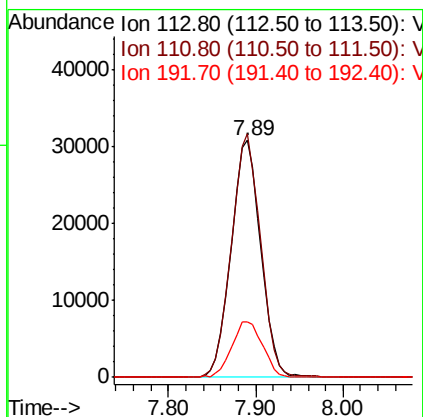
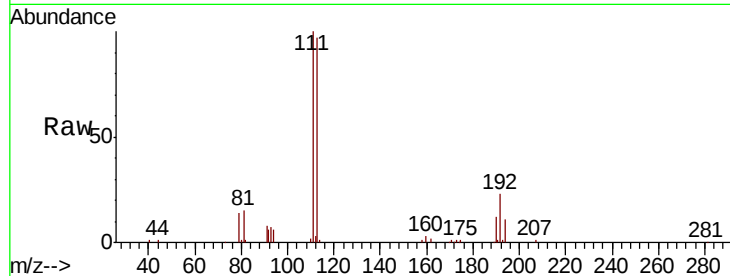




#35
 Dibromofluoromethane
 Concen: 44.515 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW006845.D
 Acq: 13 Nov 2018 09:34

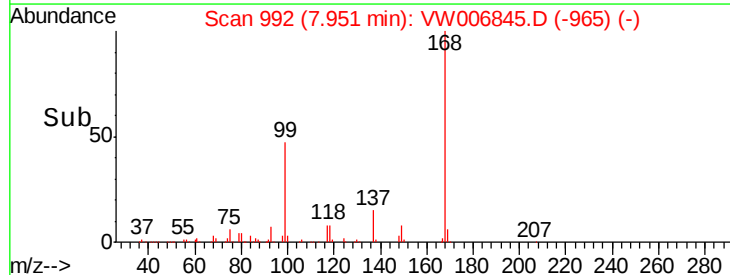
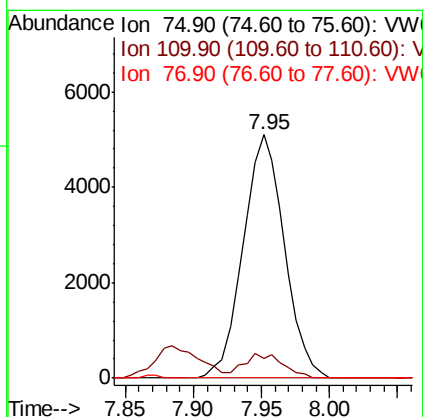
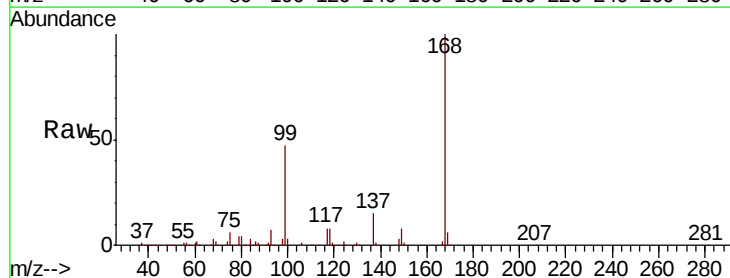
Instrument :
 MSVOA_W
 ClientSampleId :

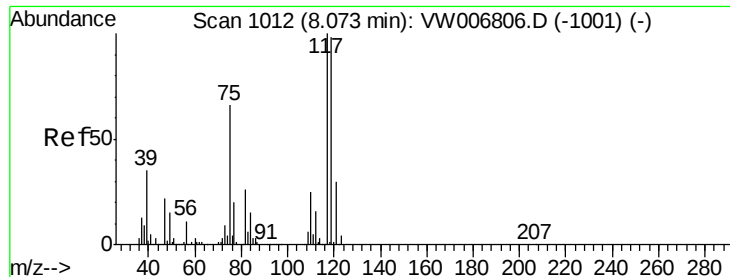
Tot Ion:113 Resp: 72752
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.0 121.6
 192 24.4 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 4.211 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006845.D
 Acq: 13 Nov 2018 09:34

Tgt Ion: 75 Resp: 10815
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.9 59.6#
 77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.538 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006845.D

Acq: 13 Nov 2018 09:34

Instrument :

MSVOA_W

ClientSampled :

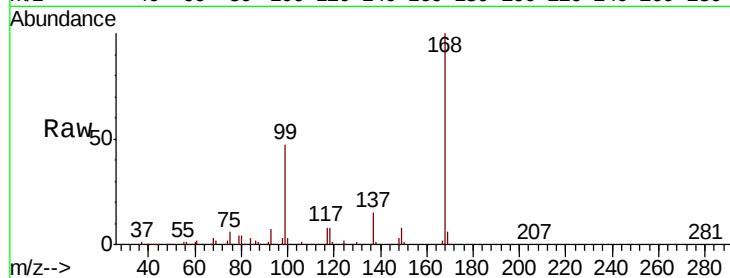
Tot Ion:117 Resp: 15460

Ion Ratio Lower Upper

117 100

119 6.0 78.5 117.7#

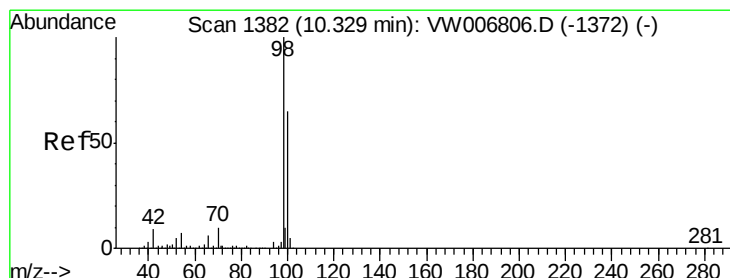
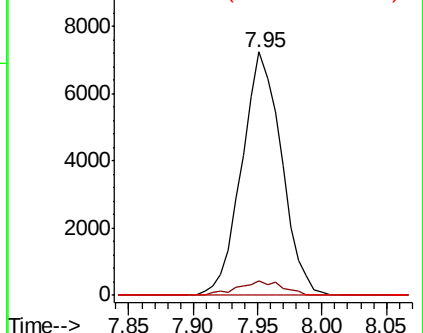
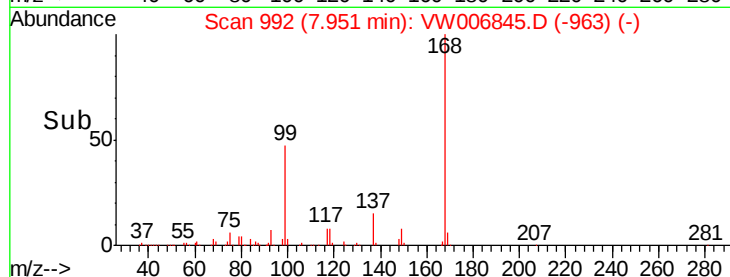
121 0.0 24.2 36.2#



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: 41.914 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006845.D

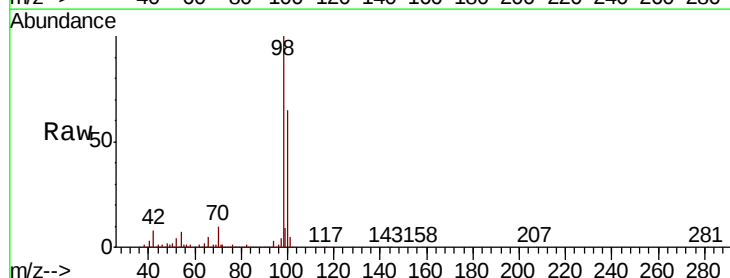
Acq: 13 Nov 2018 09:34

Tgt Ion: 98 Resp: 283928

Ion Ratio Lower Upper

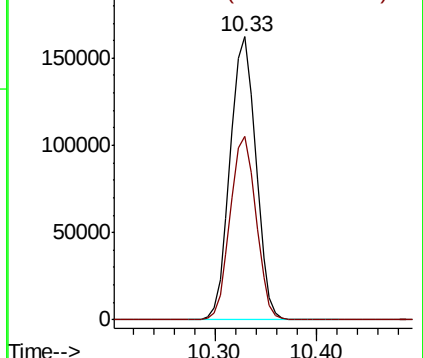
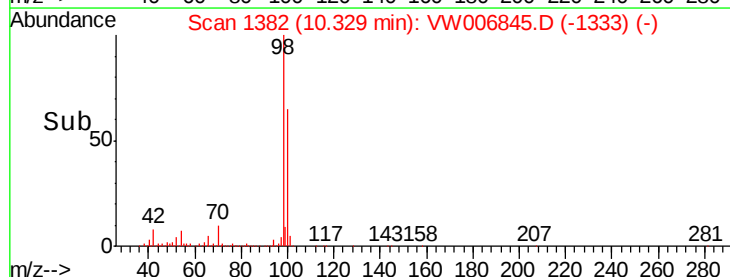
98 100

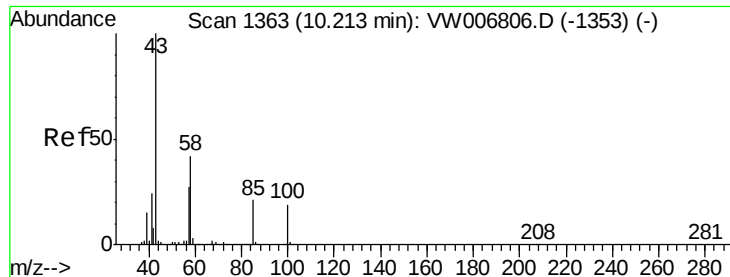
100 64.9 51.4 77.2



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: 3.247 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW006845.D

Acq: 13 Nov 2018 09:34

Instrument :

MSVOA_W

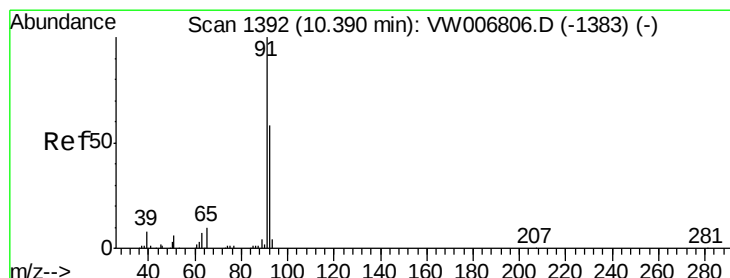
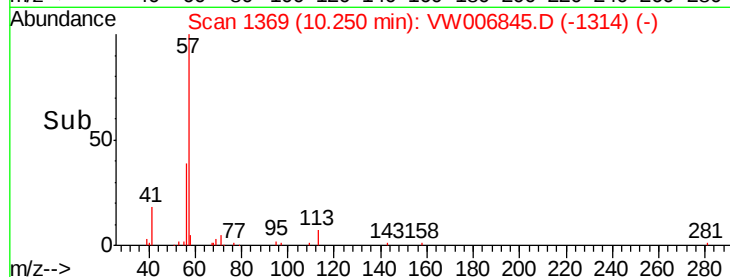
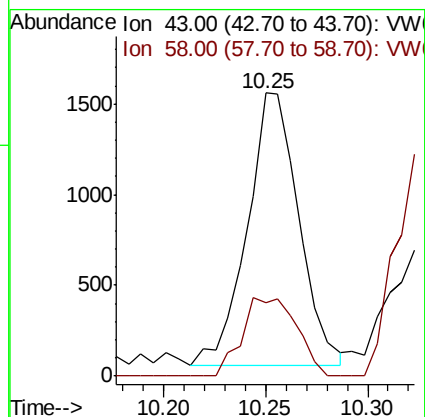
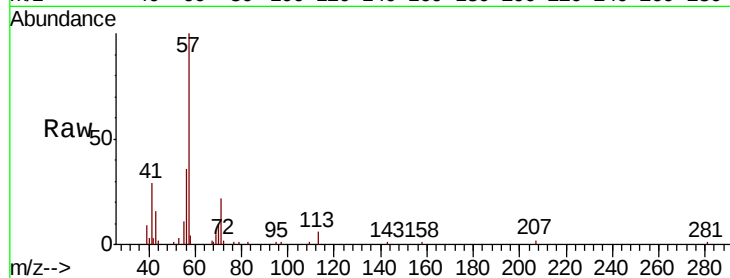
ClientSampleId :

Tot Ion: 43 Resp: 2659

Ion Ratio Lower Upper

43 100

58 30.3 34.0 51.0#



#52

Toluene

Concen: 9.661 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006845.D

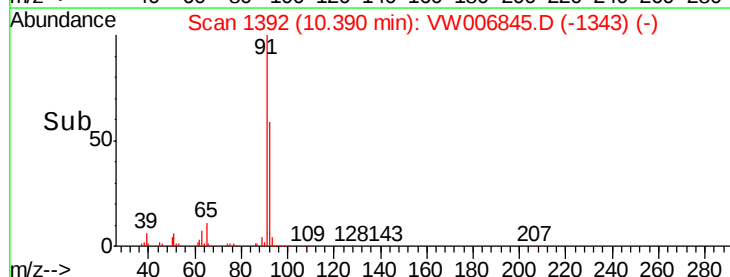
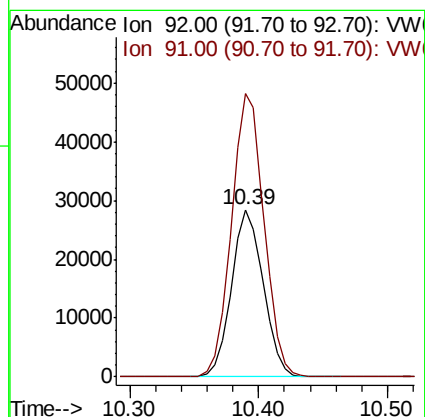
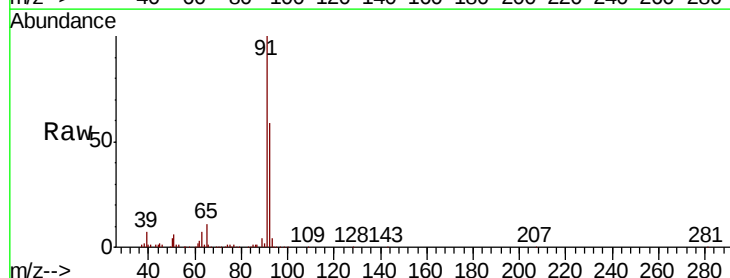
Acq: 13 Nov 2018 09:34

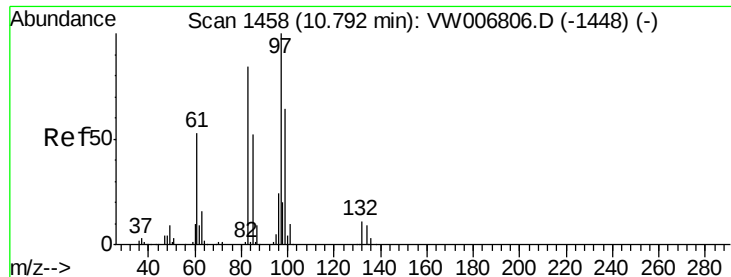
Tgt Ion: 92 Resp: 48917

Ion Ratio Lower Upper

92 100

91 172.2 139.4 209.2

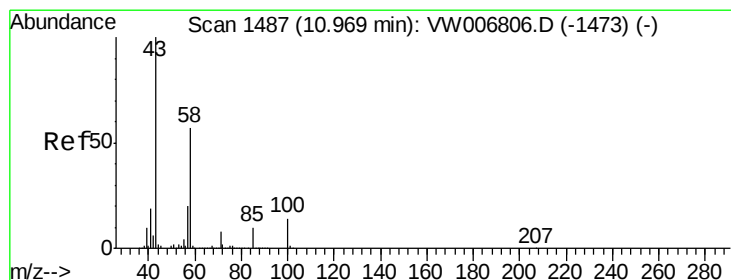
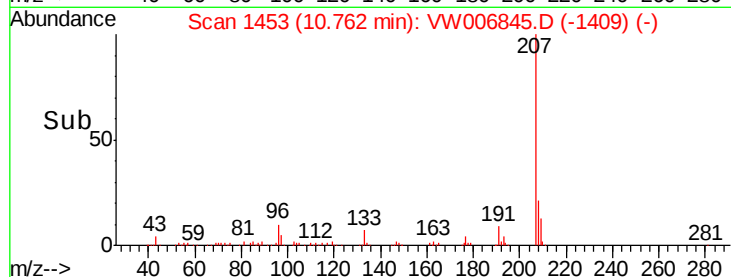
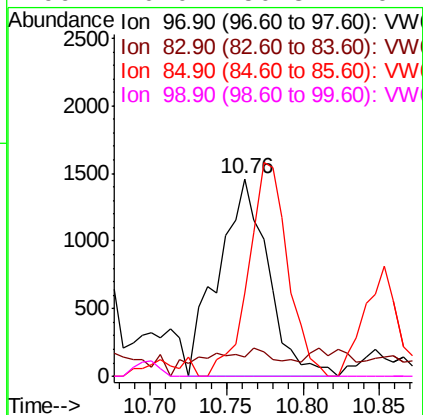
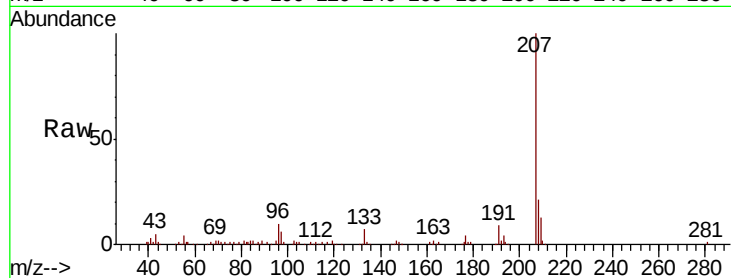




#55
 1,1,2-Trichloroethane
 Concen: 2.399 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.03 min
 Lab File: VW006845.D
 Acq: 13 Nov 2018 09:34

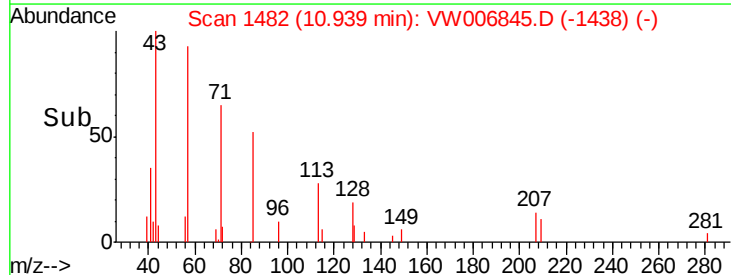
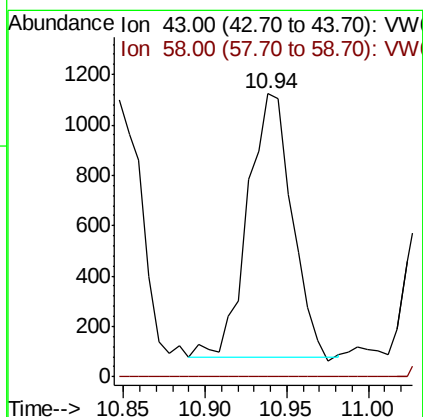
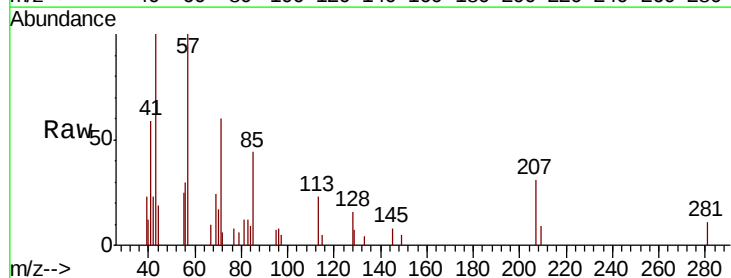
Instrument :
 MSVOA_W
 ClientSampleId :

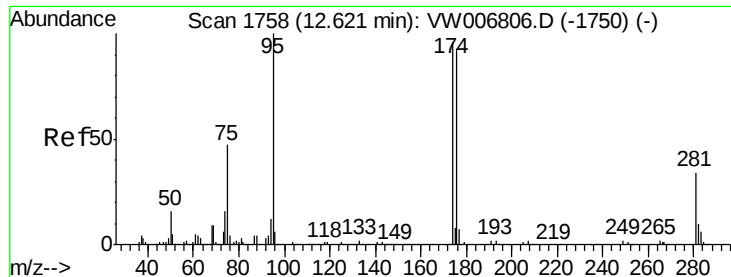
Tot Ion: 97 Resp: 3299
 Ion Ratio Lower Upper
 97 100
 83 3.6 67.0 100.4#
 85 42.0 41.7 62.5
 99 0.0 50.8 76.2#



#59
 2-Hexanone
 Concen: 3.480 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.03 min
 Lab File: VW006845.D
 Acq: 13 Nov 2018 09:34

Tgt Ion: 43 Resp: 1966
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.7 86.1#

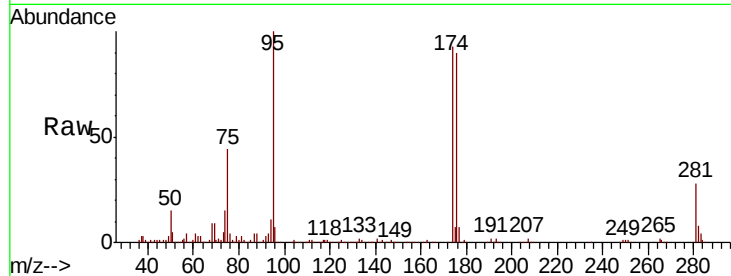




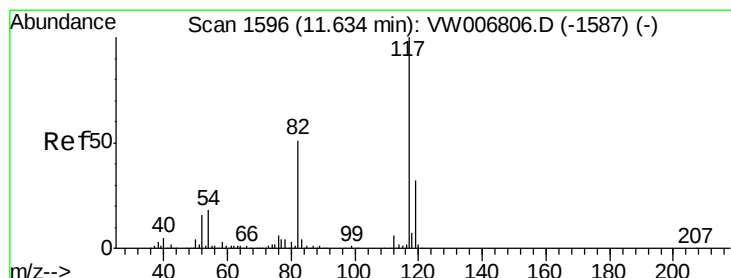
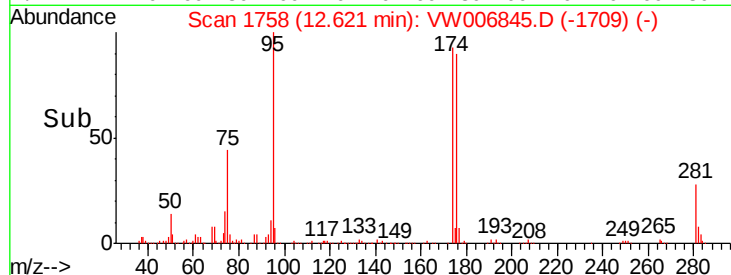
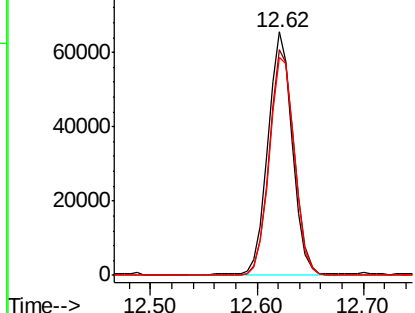
#62
4-Bromofluorobenzene
Concen: 41.940 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006845.D
Acq: 13 Nov 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 95 Resp: 104639
Ion Ratio Lower Upper
95 100
174 95.1 0.0 196.6
176 92.7 0.0 191.6

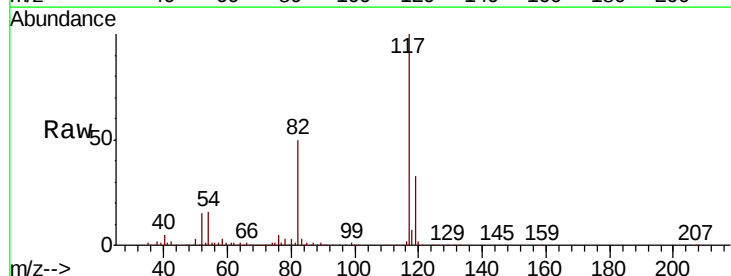


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

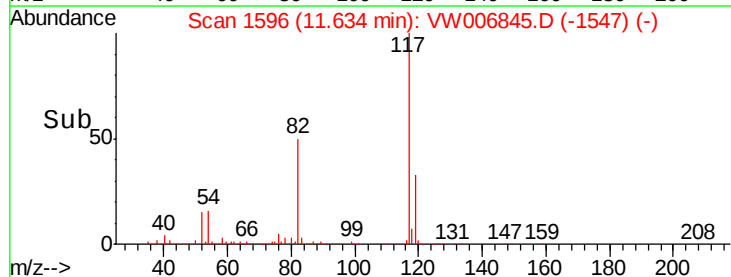
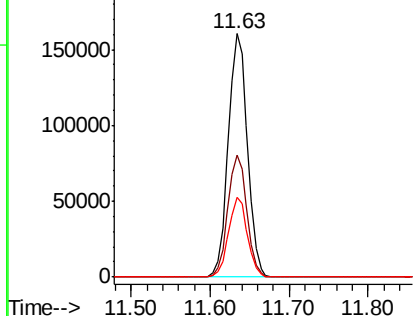


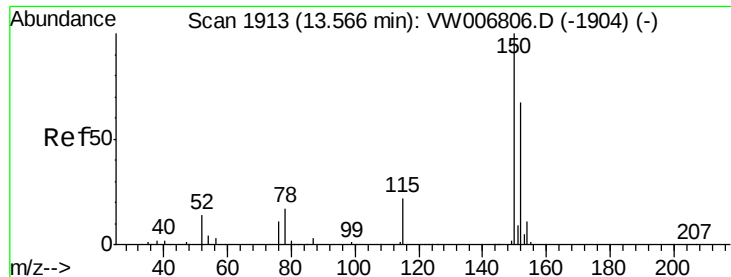
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006845.D
Acq: 13 Nov 2018 09:34

Tgt Ion: 117 Resp: 270355
Ion Ratio Lower Upper
117 100
82 49.9 40.6 61.0
119 32.8 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006845.D

Acq: 13 Nov 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

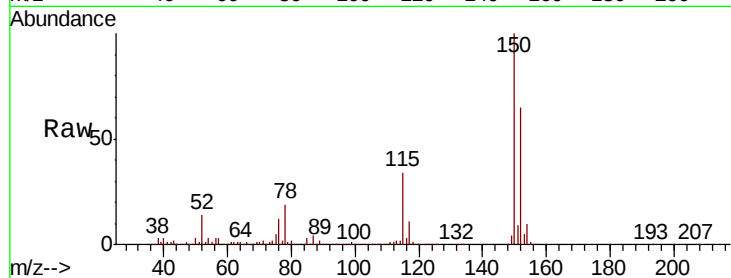
Tot Ion:152 Resp: 141141

Ion Ratio Lower Upper

152 100

115 53.1 27.3 81.8

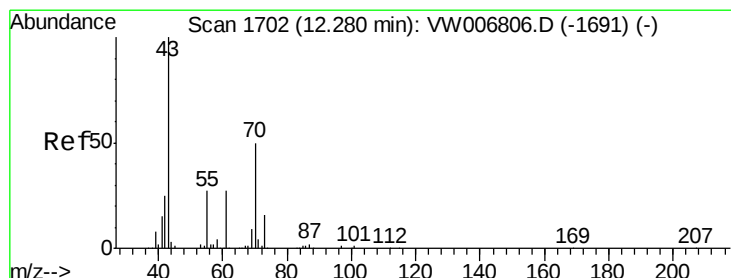
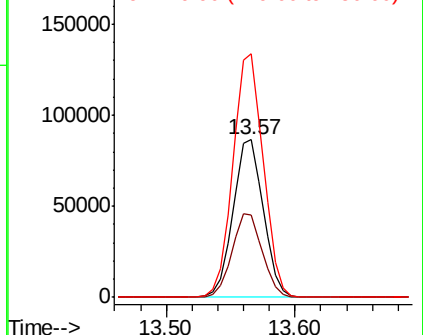
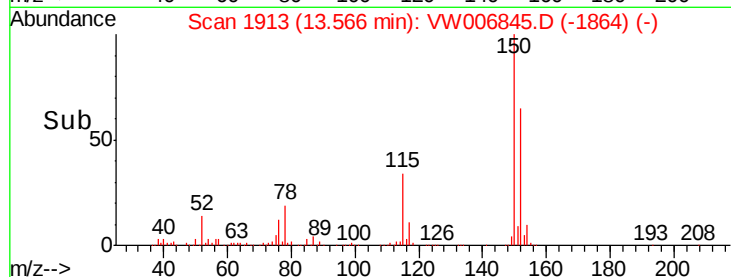
150 155.1 0.0 353.0



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: 1.600 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW006845.D

Acq: 13 Nov 2018 09:34

Tgt Ion: 43 Resp: 2370

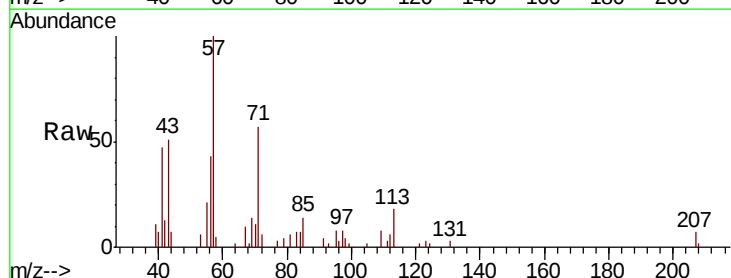
Ion Ratio Lower Upper

43 100

70 30.3 39.0 58.4#

55 25.9 22.1 33.1

61 0.0 21.1 31.7#

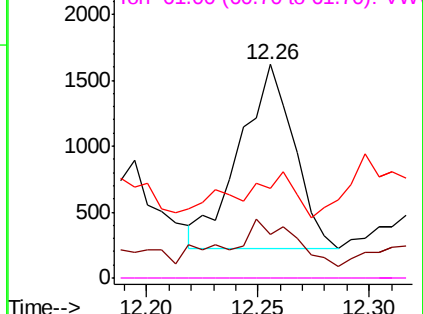
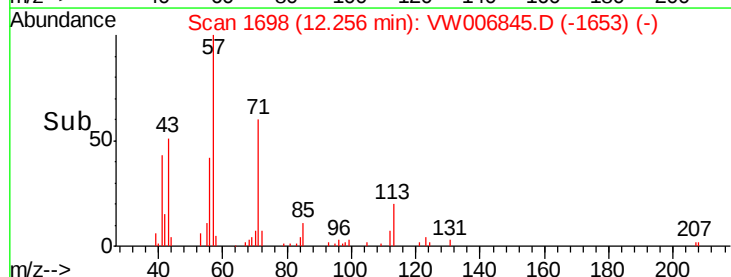


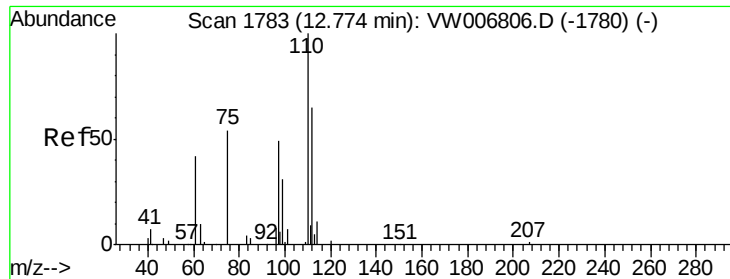
Abundance Ion 43.00 (42.70 to 43.70): VW

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



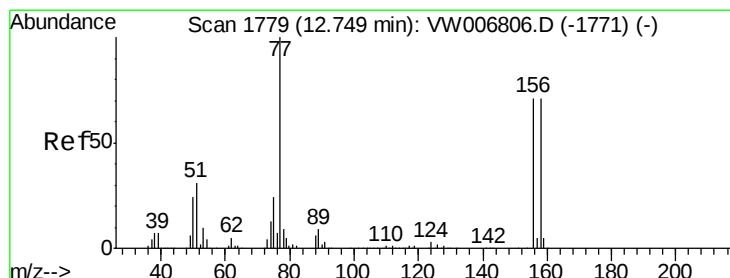
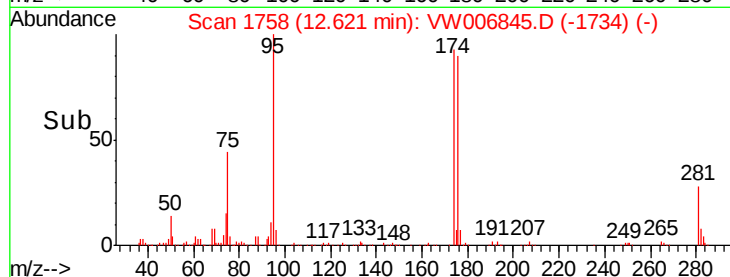
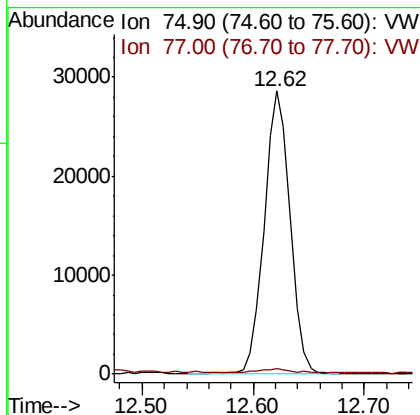
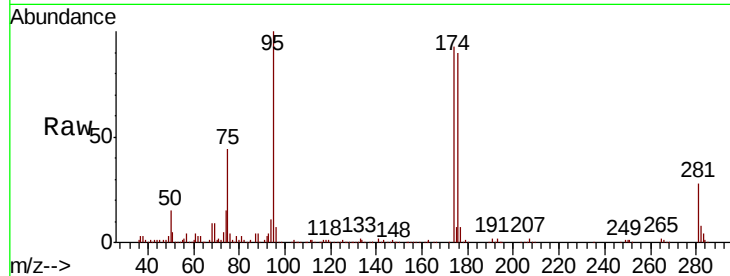


#76

1,2,3-Trichloropropane
Concen: 45.654 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW006845.D
Acq: 13 Nov 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :

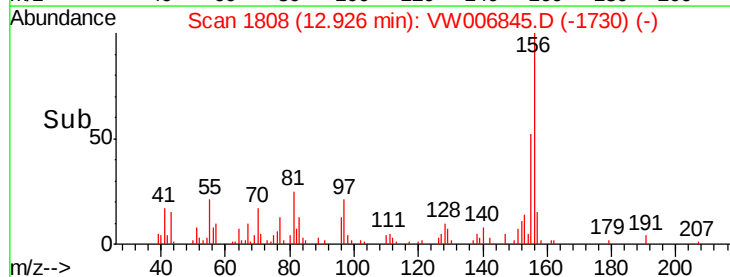
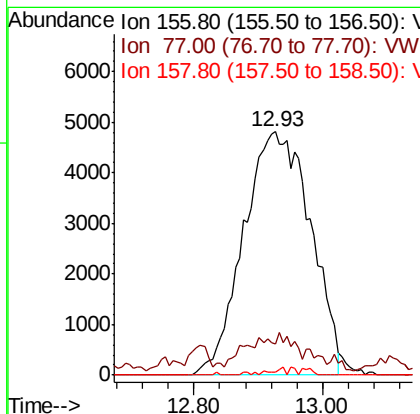
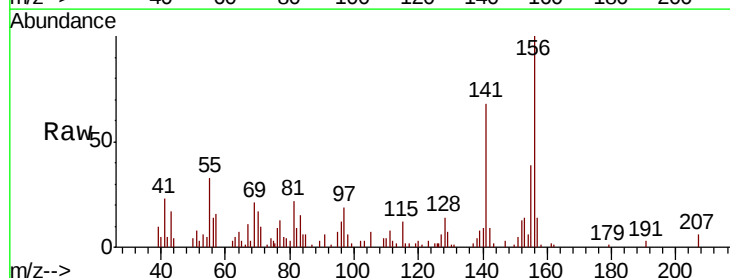
Tot Ion: 75 Resp: 46437
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#

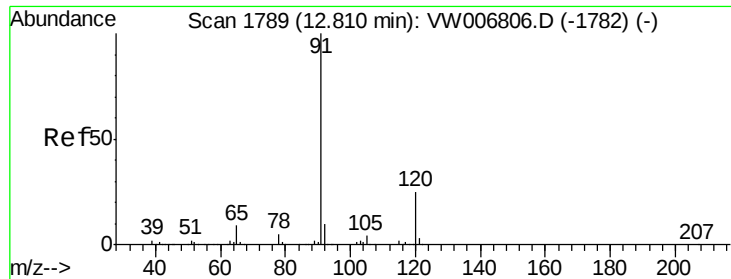


#77

Bromobenzene
Concen: 14.024 ug/l
RT: 12.93 min Scan# 1808
Delta R.T. 0.18 min
Lab File: VW006845.D
Acq: 13 Nov 2018 09:34

Tgt Ion: 156 Resp: 34640
Ion Ratio Lower Upper
156 100
77 0.0 75.3 225.7#
158 0.3 49.2 147.6#

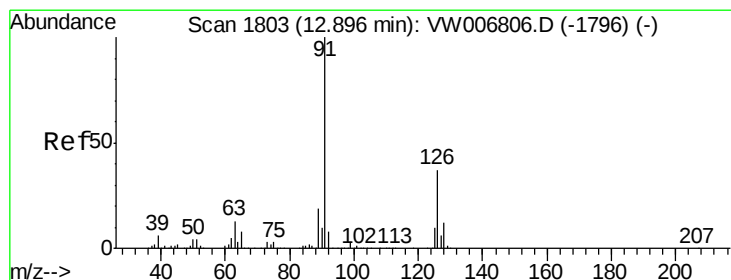
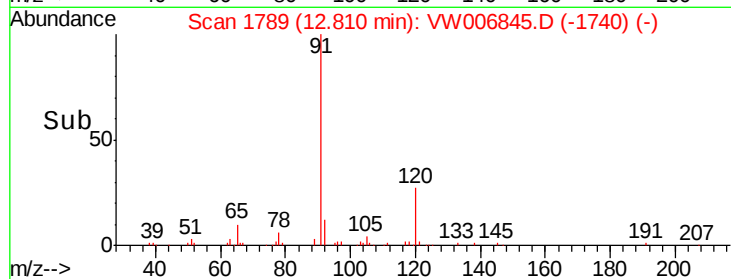
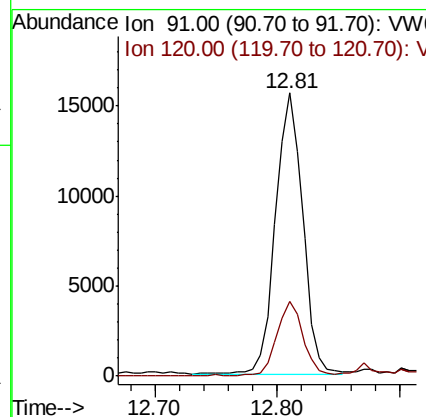
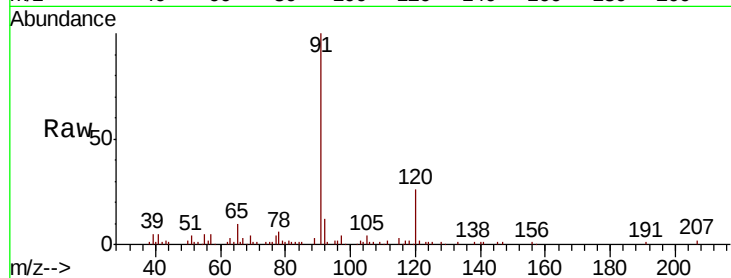




#78
n-propylbenzene
Concen: 2.077 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW006845.D
Acq: 13 Nov 2018 09:34

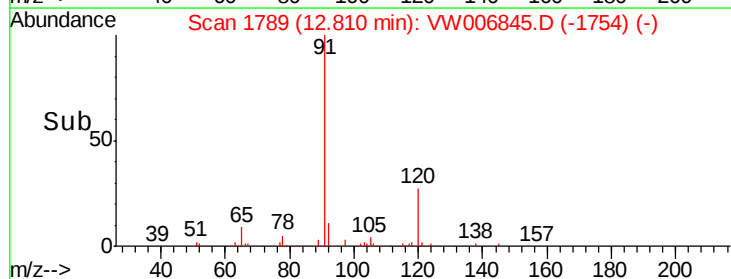
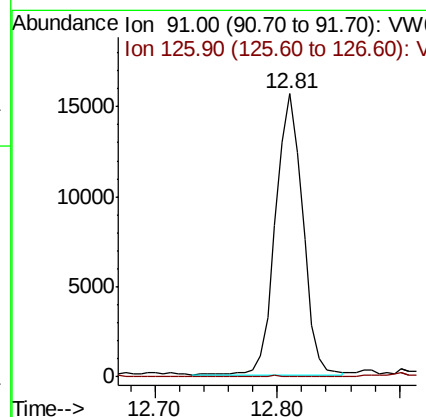
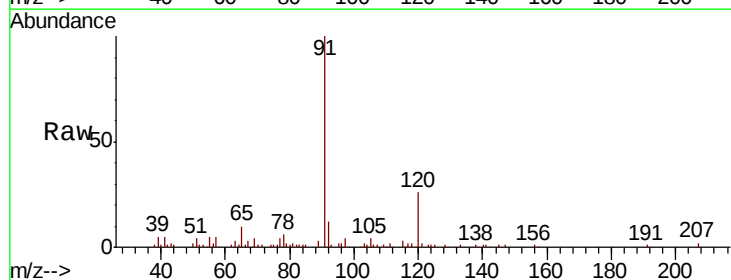
Instrument :
MSVOA_W
ClientSampleId :

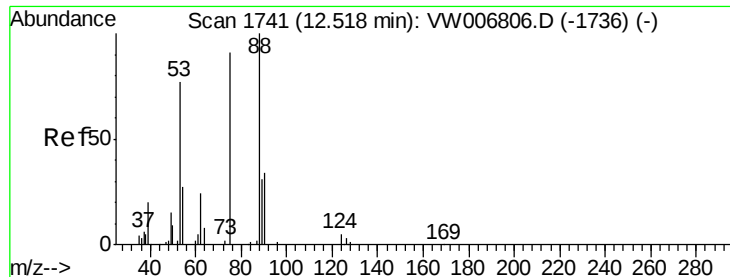
Tot Ion: 91 Resp: 24016
Ion Ratio Lower Upper
91 100
120 25.8 12.4 37.4



#79
2-Chlorotoluene
Concen: 3.702 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.09 min
Lab File: VW006845.D
Acq: 13 Nov 2018 09:34

Tgt Ion: 91 Resp: 24016
Ion Ratio Lower Upper
91 100
126 0.2 18.5 55.5#

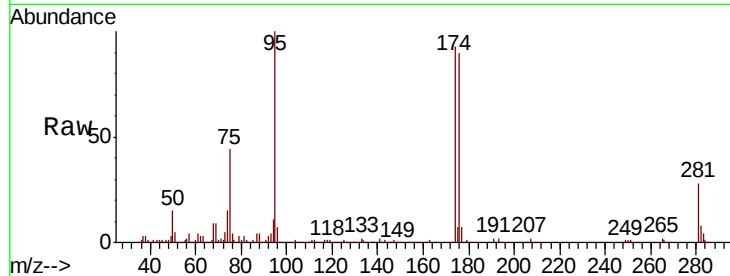




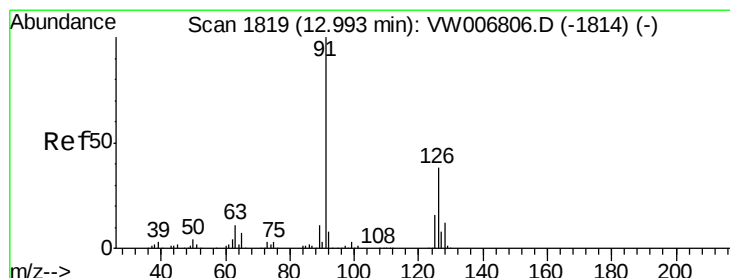
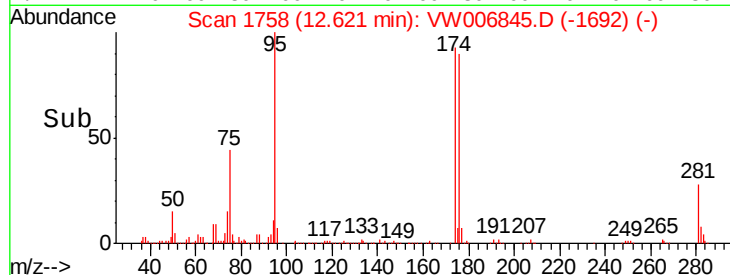
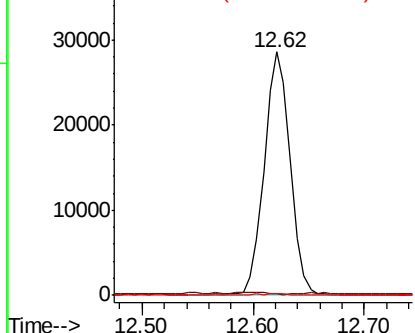
#81
trans-1,4-Dichloro-2-butene
Concen: 112.928 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW006845.D
Acq: 13 Nov 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 46437
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.7 38.7 58.1#

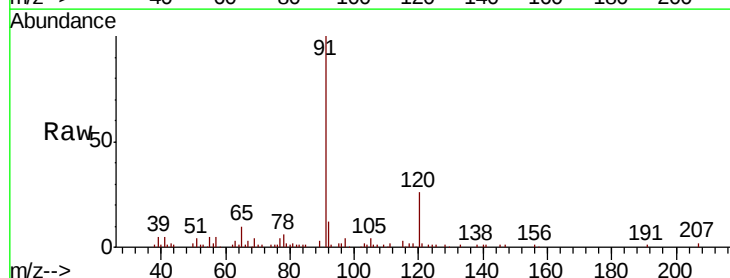


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW

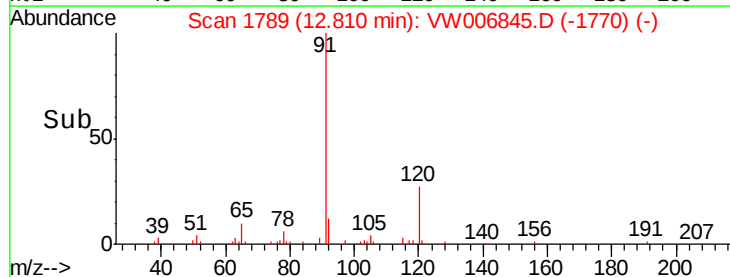
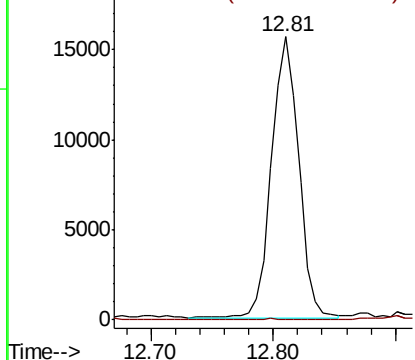


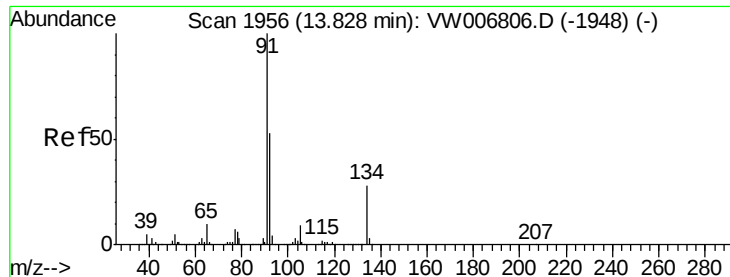
#82
4-Chlorotoluene
Concen: 3.470 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.18 min
Lab File: VW006845.D
Acq: 13 Nov 2018 09:34

Tgt Ion: 91 Resp: 24016
Ion Ratio Lower Upper
91 100
126 0.2 18.4 55.2#



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V





#89

n-Butylbenzene

Concen: 2.777 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006845.D

Acq: 13 Nov 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

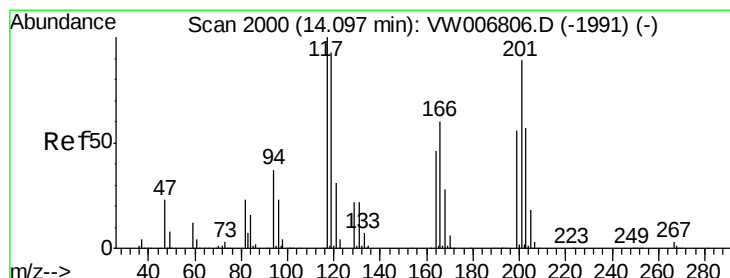
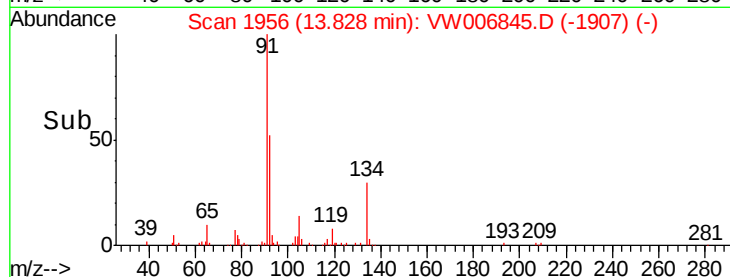
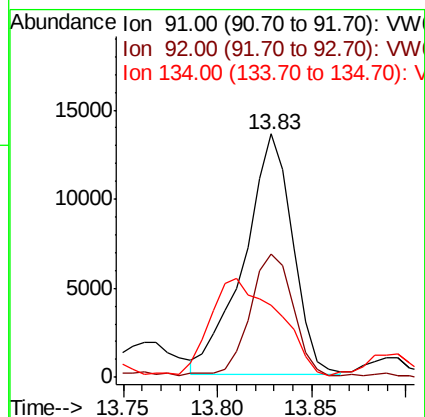
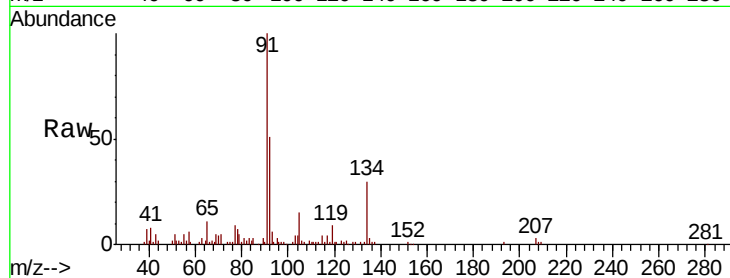
Tot Ion: 91 Resp: 24352

Ion Ratio Lower Upper

91 100

92 46.3 26.5 79.4

134 56.8 14.4 43.2#



#90

Hexachloroethane

Concen: 8.729 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW006845.D

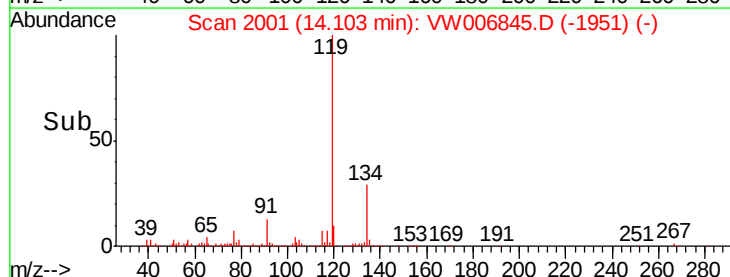
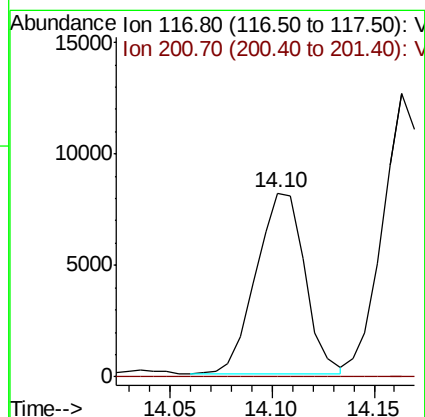
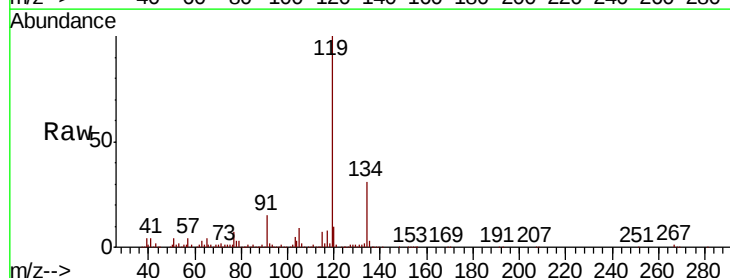
Acq: 13 Nov 2018 09:34

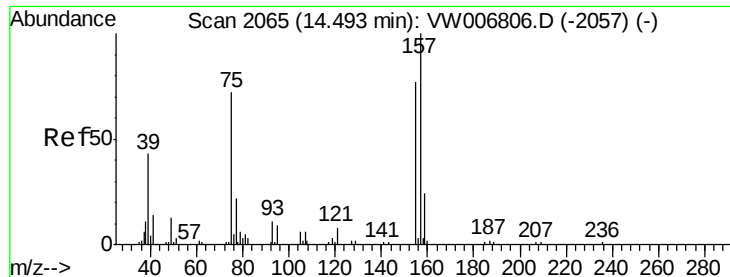
Tgt Ion: 117 Resp: 13403

Ion Ratio Lower Upper

117 100

201 0.0 46.9 140.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.433 ug/l

RT: 14.51 min Scan# 2068

Delta R.T. 0.02 min

Lab File: VW006845.D

Acq: 13 Nov 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

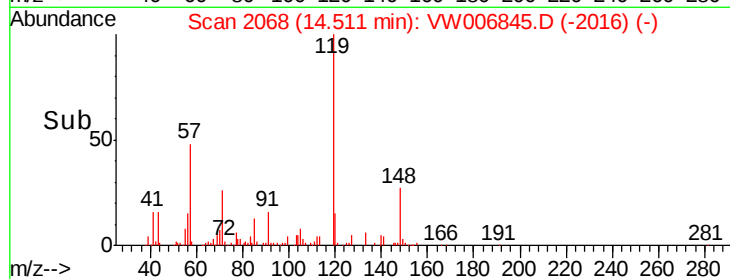
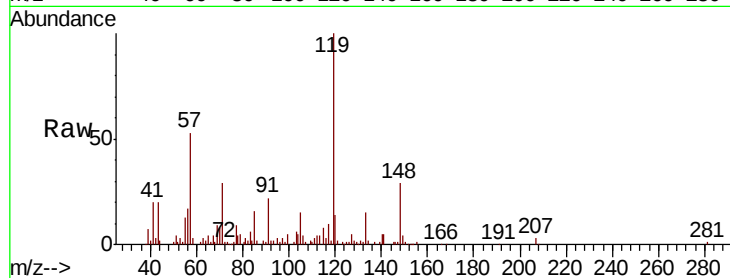
Tot Ion: 75 Resp: 311

Ion Ratio Lower Upper

75 100

155 27.7 51.0 153.1#

157 0.0 67.4 202.2#



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

