

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\
 Data File : VW007007.D
 Acq On : 21 Nov 2018 18:24
 Operator : VAY/AP
 Sample : J5763-01
 Misc : 4.72G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 22 04:38:18 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

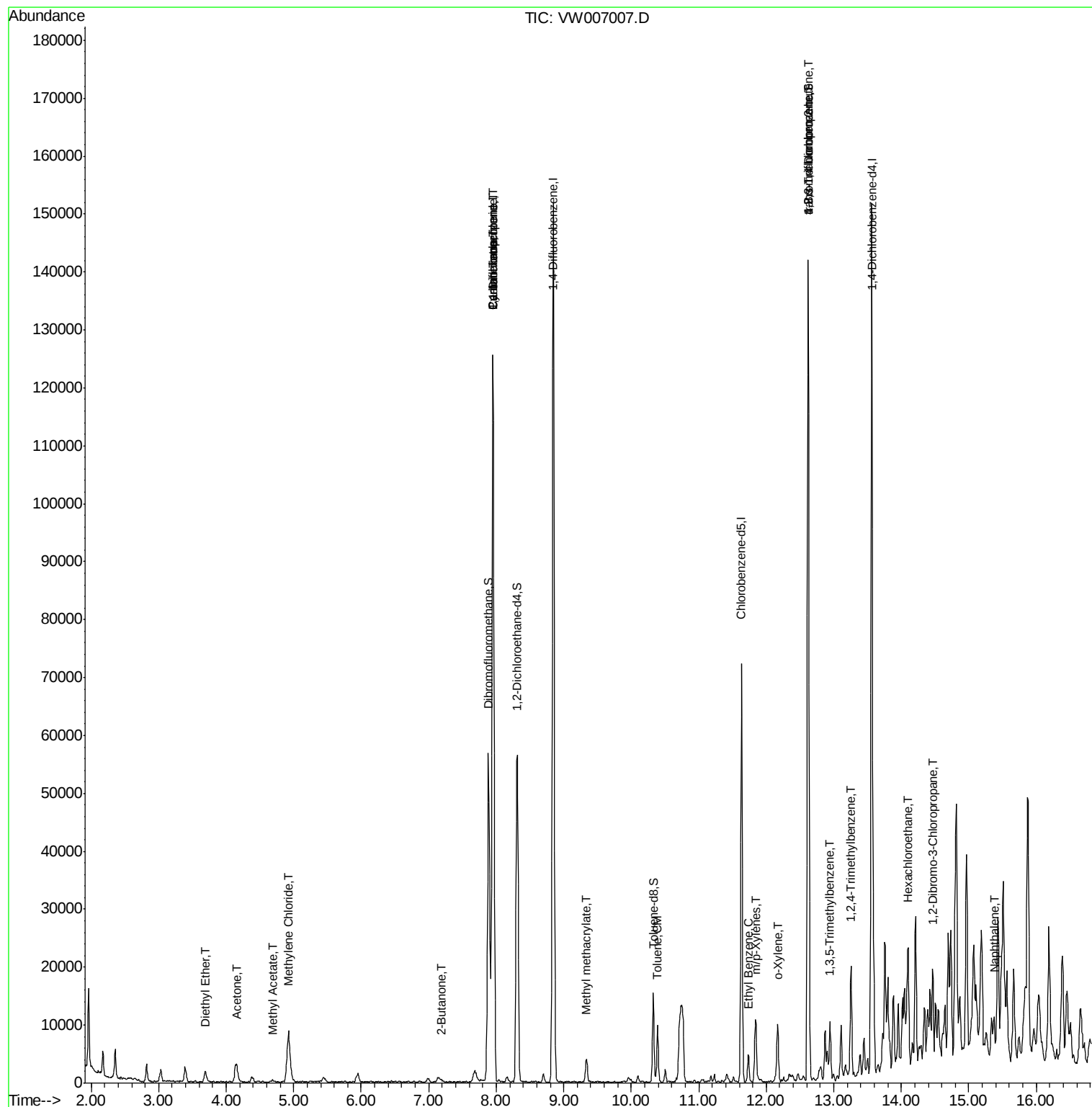
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	89649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	131457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	39907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	39716	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	46166	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	7.89	113	41528	55.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.88%	
50) Toluene-d8	10.33	98	10149	3.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	6.20%	
62) 4-Bromofluorobenzene	12.62	95	46296	35.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.78%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.70	74	933	2.029	ug/l	76
16) Acetone	4.15	43	6528	51.228	ug/l	96
18) Methyl Acetate	4.69	43	647	1.426	ug/l #	59
20) Methylene Chloride	4.92	84	6737	1.383	ug/l	94
25) 2-Butanone	7.19	43	413	1.892	ug/l #	82
31) Cyclohexane	7.95	56	2667	1.578	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	6798	5.292	ug/l #	49
38) Carbon Tetrachloride	7.95	117	9411	7.650	ug/l #	18
48) Methyl methacrylate	9.33	41	822	1.922	ug/l #	64
52) Toluene	10.39	92	4254	1.803	ug/l	99
67) Ethyl Benzene	11.73	91	3409	2.228	ug/l	91
68) m/p-Xylenes	11.84	106	3141	5.232	ug/l	98
69) o-Xylene	12.17	106	2610	4.611	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	22401	71.778	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	4353	1.631	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.62	75	22401	180.207	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	10550	3.967	ug/l	99
90) Hexachloroethane	14.10	117	1115	2.652	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.47	75	71	1.023	ug/l #	1
95) Naphthalene	15.38	128	4147	2.921	ug/l #	95

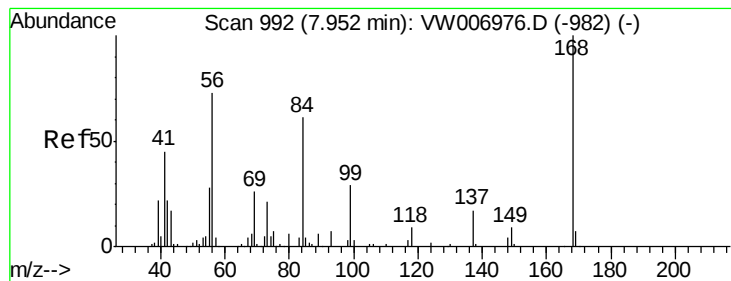
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 21 03:23:02 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007007.D

Acq: 21 Nov 2018 18:24

Instrument :

MSVOA_W

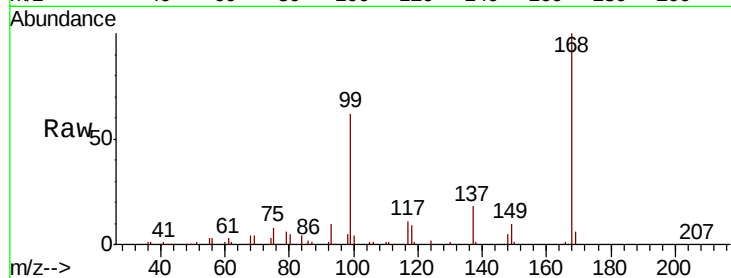
ClientSampleId :

Tot Ion:168 Resp: 89649

Ion Ratio Lower Upper

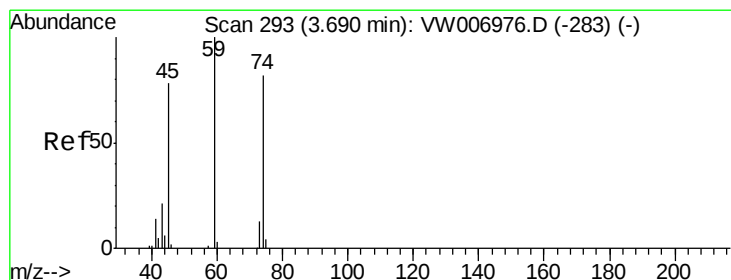
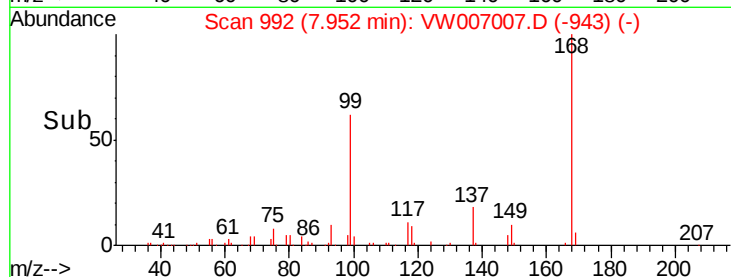
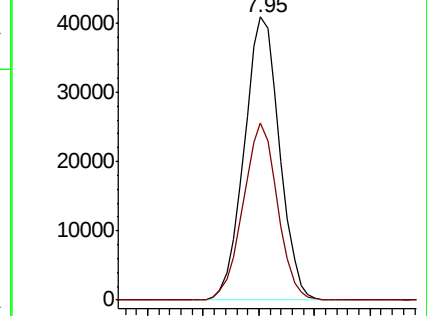
168 100

99 62.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.029 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW007007.D

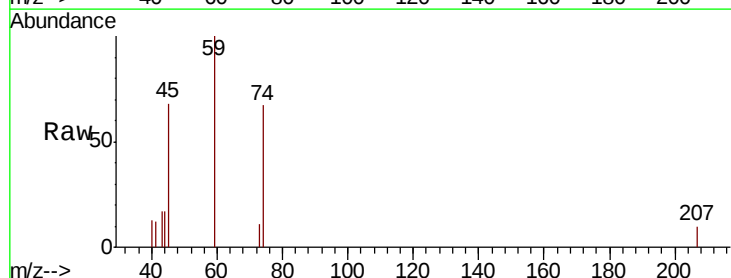
Acq: 21 Nov 2018 18:24

Tgt Ion: 74 Resp: 933

Ion Ratio Lower Upper

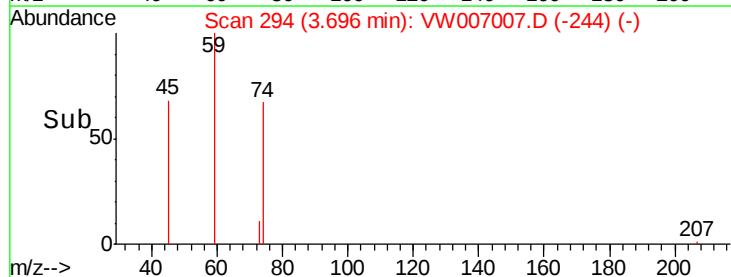
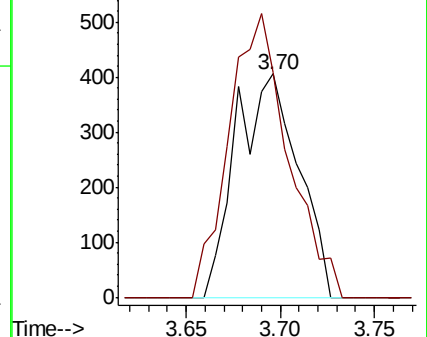
74 100

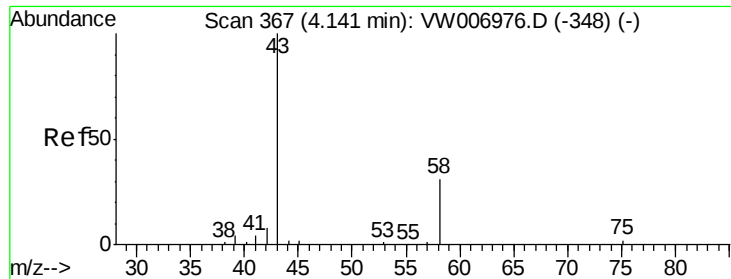
45 120.7 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

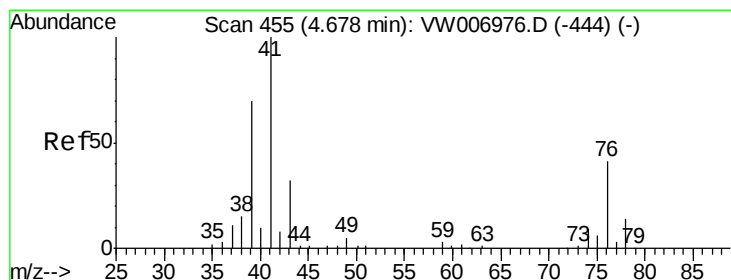
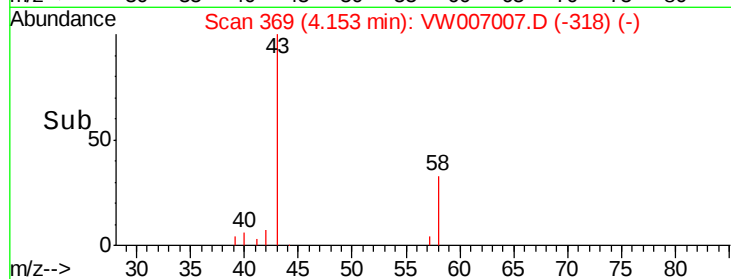
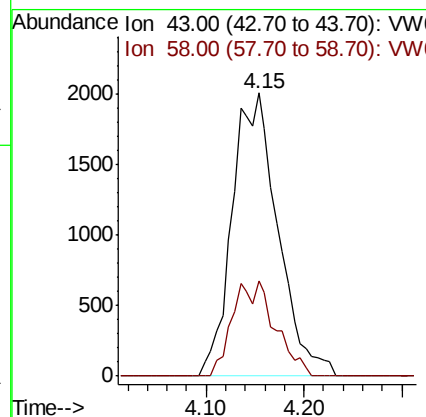
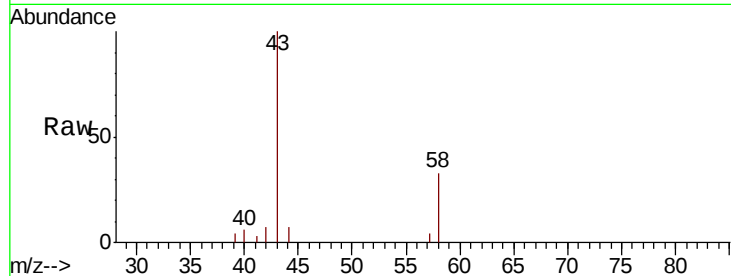




#16
Acetone
Concen: 51.228 ug/l
RT: 4.15 min Scan# 369
Delta R.T. 0.01 min
Lab File: VW007007.D
Acq: 21 Nov 2018 18:24

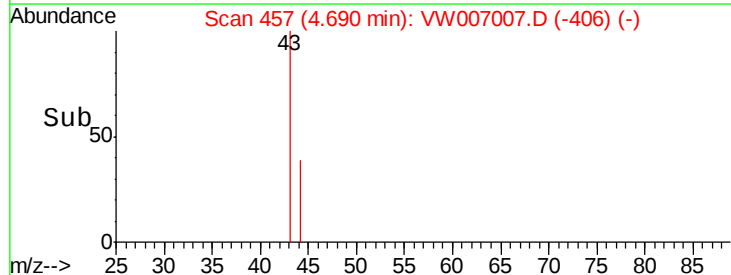
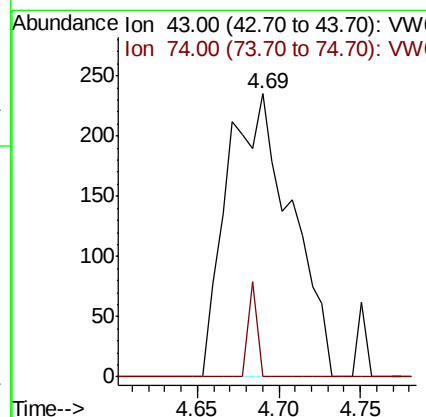
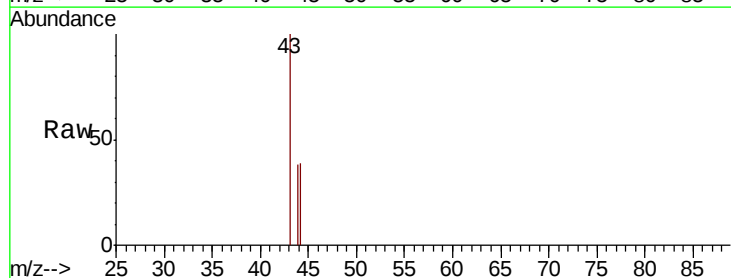
Instrument :
MSVOA_W
ClientSampled :

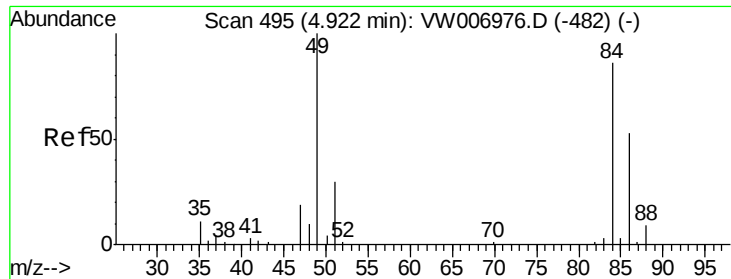
Tot Ion: 43 Resp: 6528
Ion Ratio Lower Upper
43 100
58 33.5 24.8 37.2



#18
Methyl Acetate
Concen: 1.426 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW007007.D
Acq: 21 Nov 2018 18:24

Tgt Ion: 43 Resp: 647
Ion Ratio Lower Upper
43 100
74 4.5 20.1 30.1#

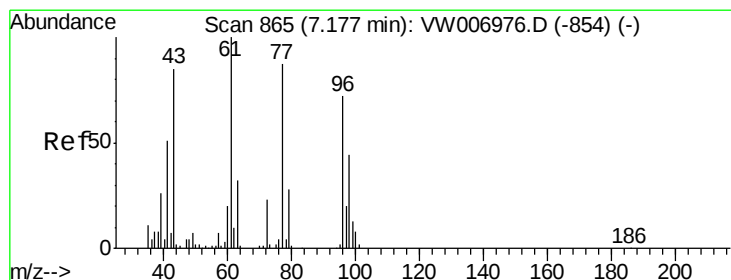
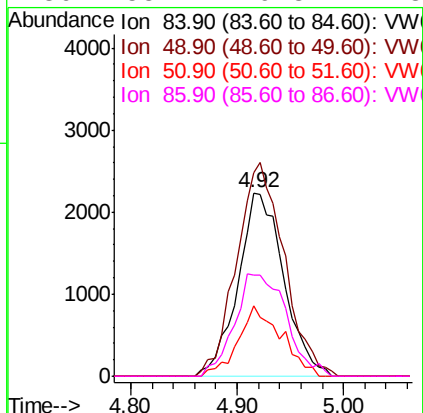
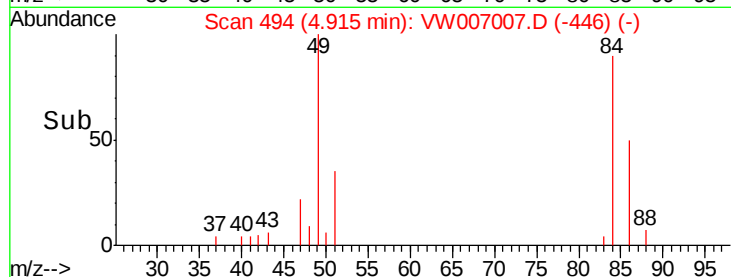
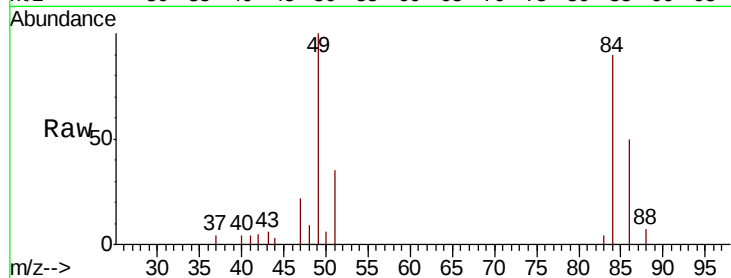




#20
Methvlene Chloride
Concen: 1.383 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW007007.D
Acq: 21 Nov 2018 18:24

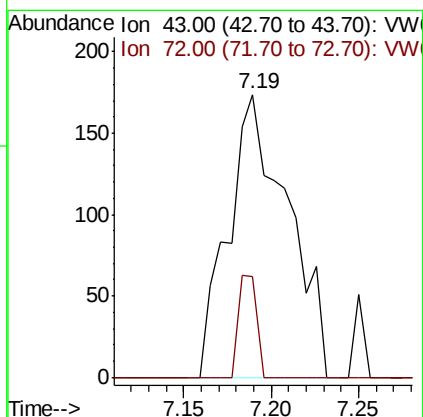
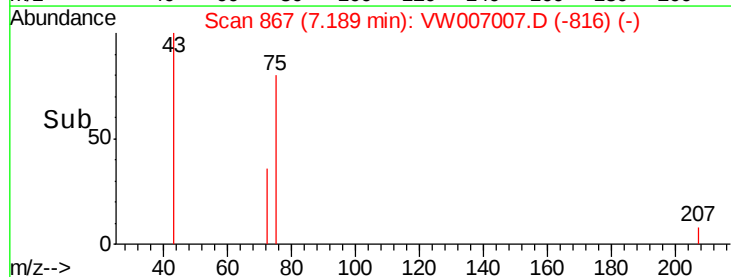
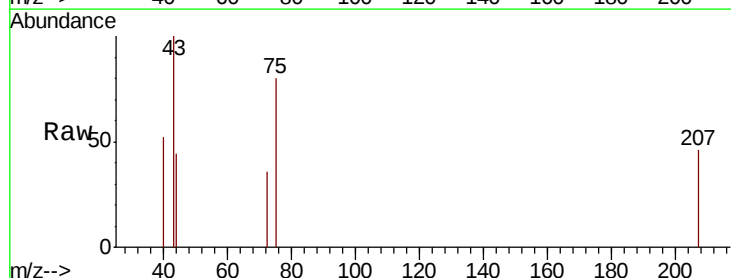
Instrument :
MSVOA_W
ClientSampleId :

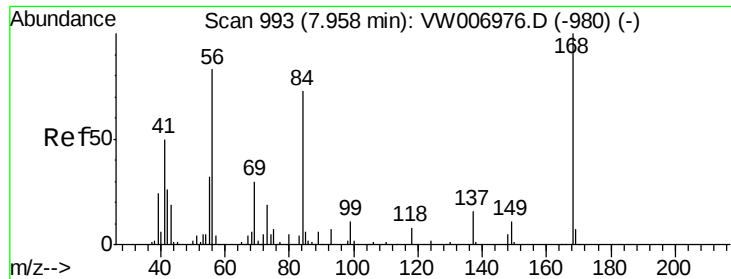
Tot Ion:	84	Resp:	6737
Ion	Ratio	Lower	Upper
84	100		
49	111.1	93.4	140.0
51	38.5	28.4	42.6
86	55.1	49.8	74.8



#25
2-Butanone
Concen: 1.892 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW007007.D
Acq: 21 Nov 2018 18:24

Tgt Ion:	43	Resp:	413
Ion	Ratio	Lower	Upper
43	100		
72	35.6	21.3	31.9#

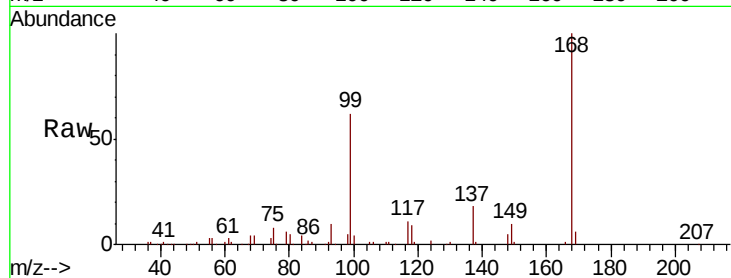




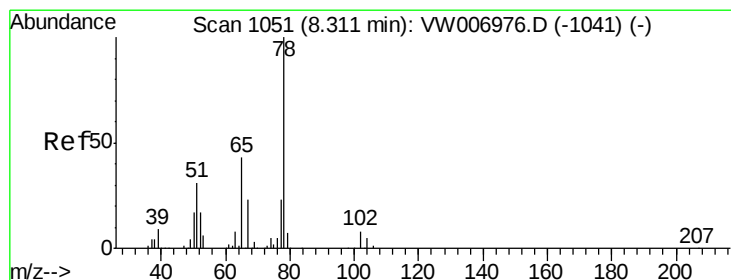
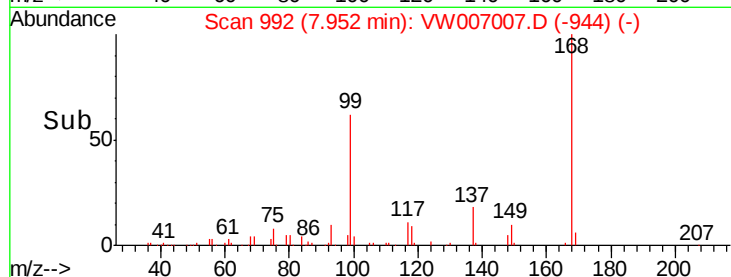
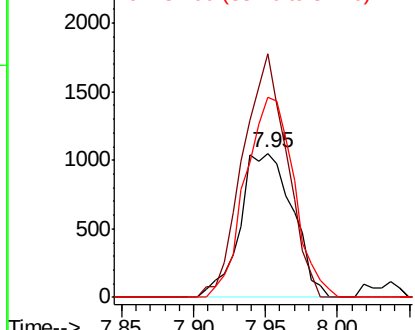
#31
Cyclohexane
Concen: 1.578 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007007.D
Acq: 21 Nov 2018 18:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 2667
Ion Ratio Lower Upper
56 100
69 169.3 29.1 43.7#
84 139.6 70.6 105.8#

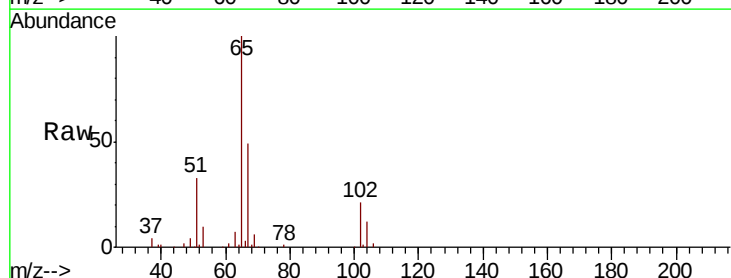


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

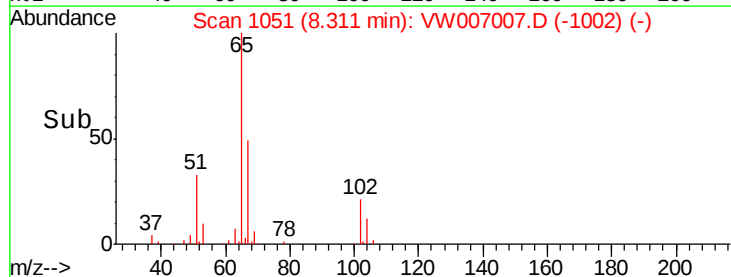
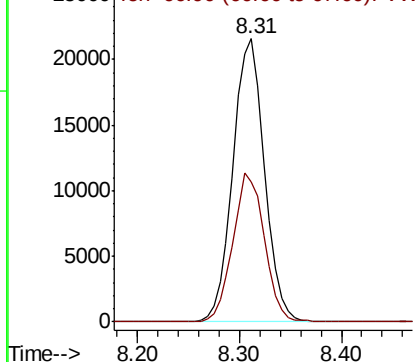


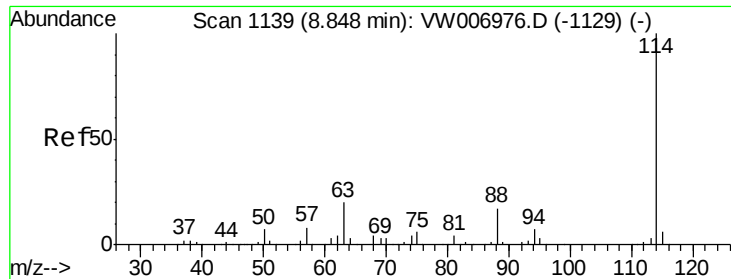
#33
1,2-Dichloroethane-d4
Concen: 52.600 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW007007.D
Acq: 21 Nov 2018 18:24

Tgt Ion: 65 Resp: 46166
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

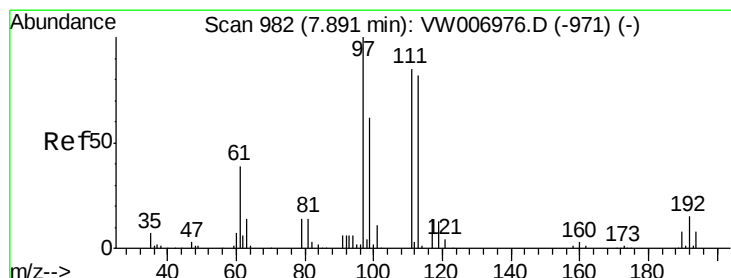
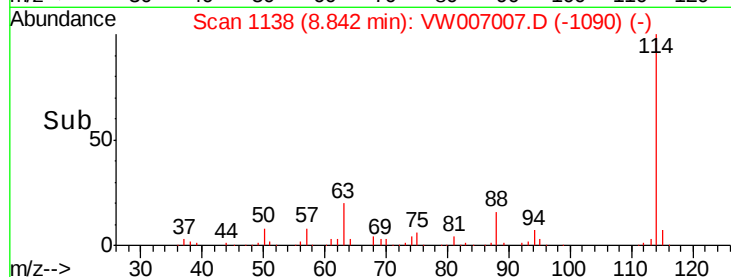
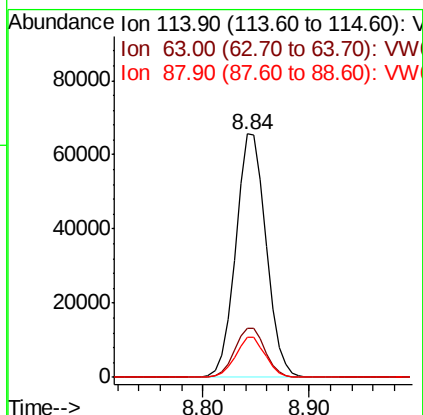
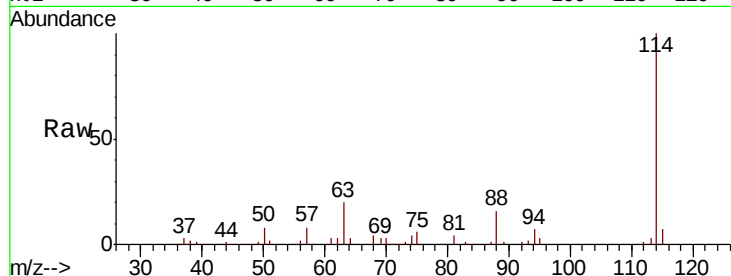




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007007.D
 Acq: 21 Nov 2018 18:24

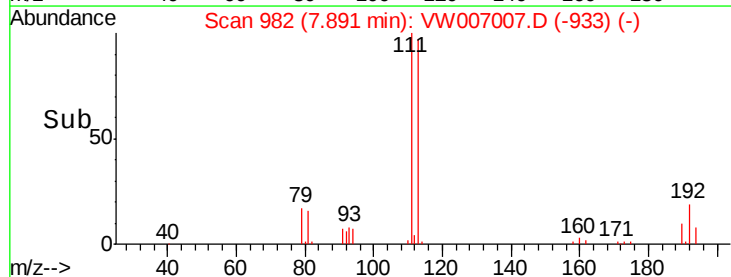
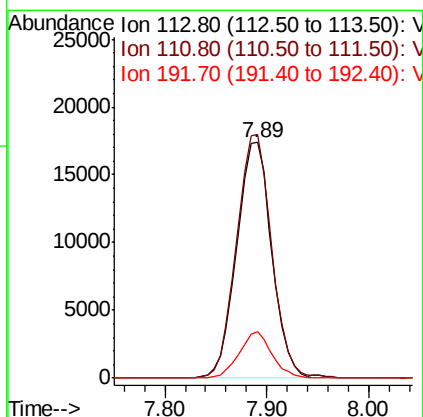
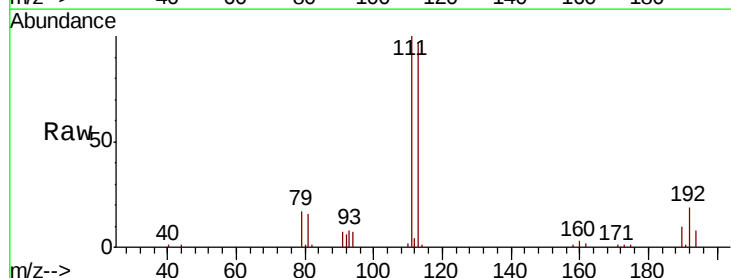
Instrument :
 MSVOA_W
 ClientSampleId :

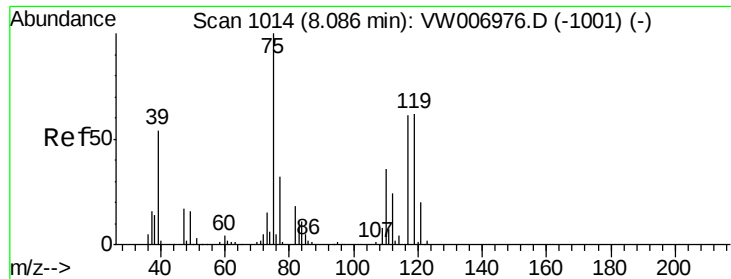
Tot Ion:114 Resp: 131457
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.4
 88 16.5 0.0 34.2



#35
 Dibromofluoromethane
 Concen: 55.940 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007007.D
 Acq: 21 Nov 2018 18:24

Tgt Ion:113 Resp: 41528
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.0 121.6
 192 18.3 15.0 22.6

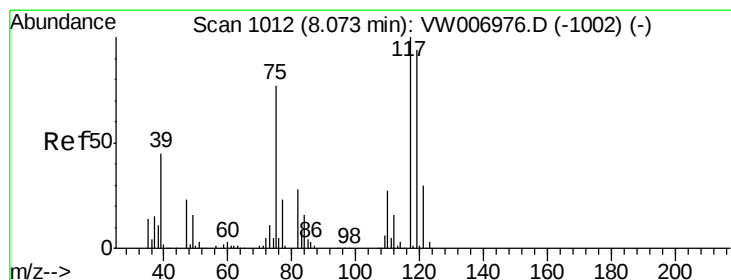
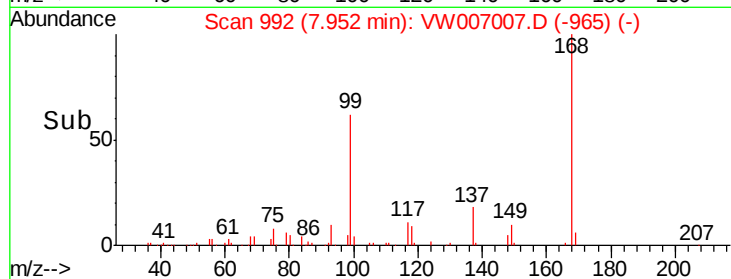
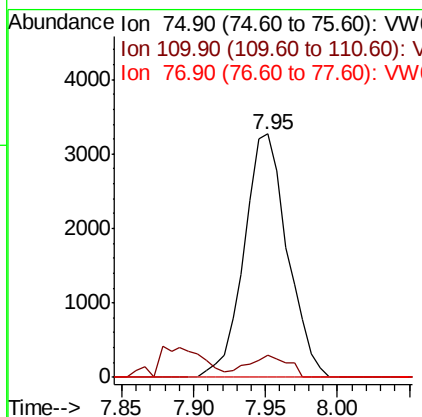
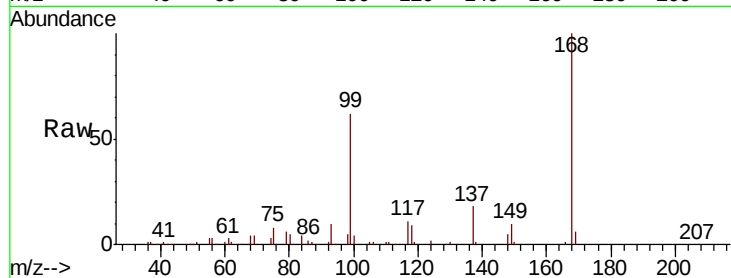




#36
 1,1-Dichloropropene
 Concen: 5.292 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007007.D
 Acq: 21 Nov 2018 18:24

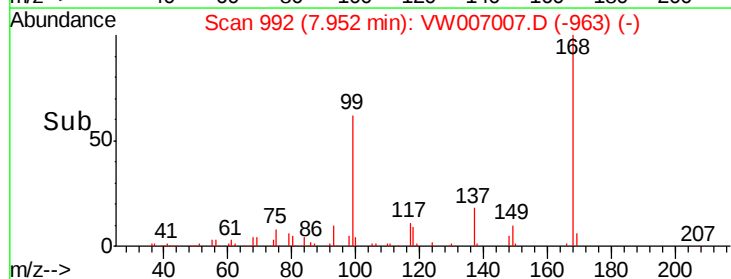
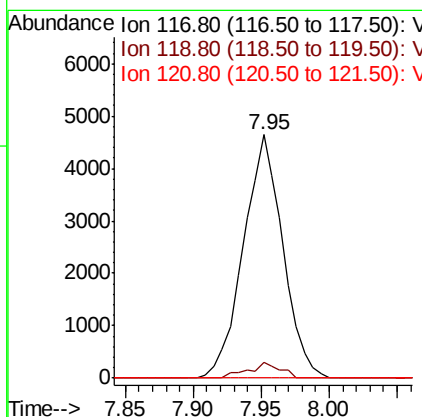
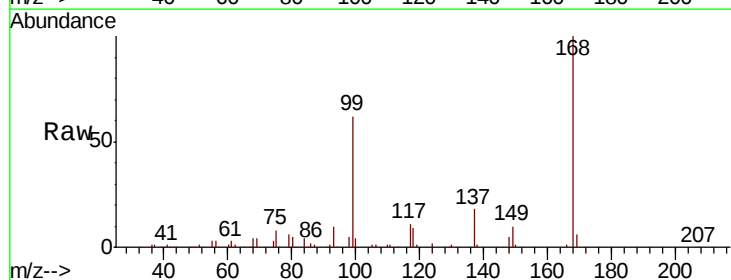
Instrument :
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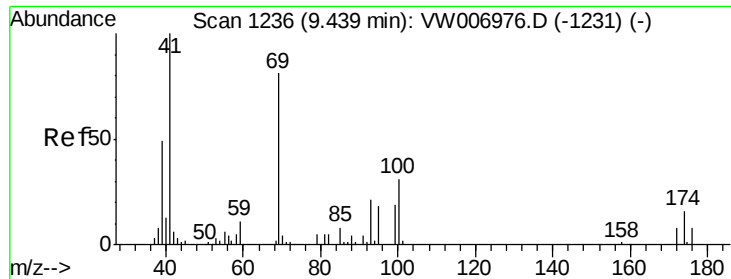
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.0	54.0#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 7.650 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007007.D
 Acq: 21 Nov 2018 18:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	74.9	112.3#
121	0.0	23.6	35.4#

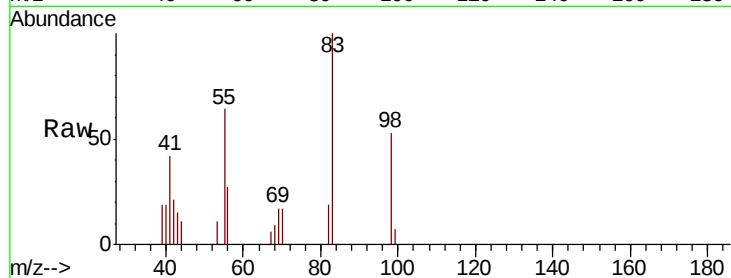




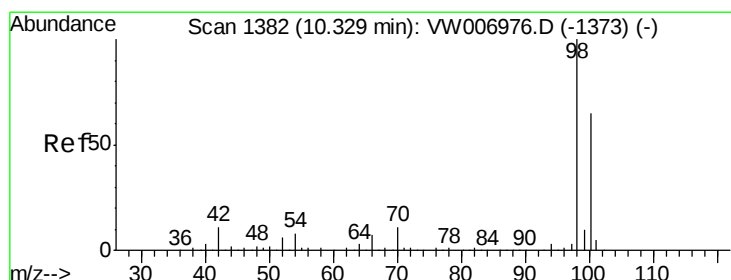
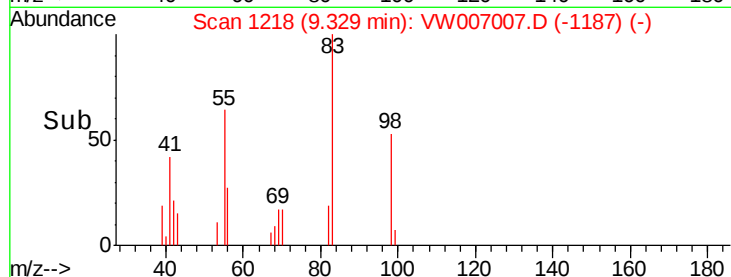
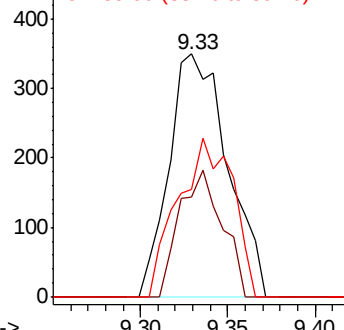
#48
Methvl methacrylate
Concen: 1.922 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.11 min
Lab File: VW007007.D
Acq: 21 Nov 2018 18:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 822
Ion Ratio Lower Upper
41 100
69 38.0 71.4 107.0#
39 60.7 44.8 67.2

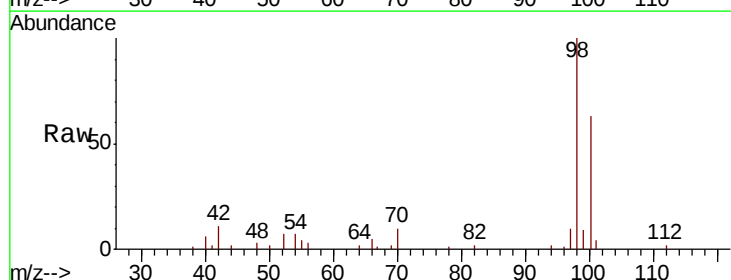


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

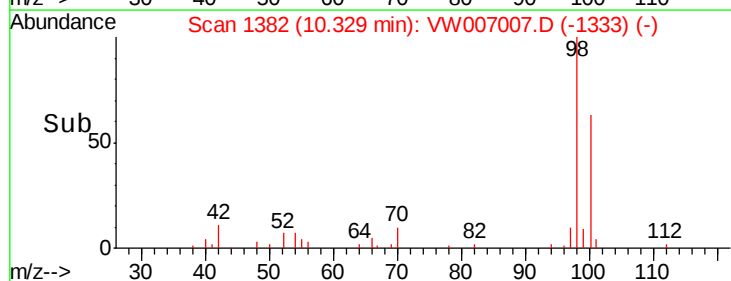
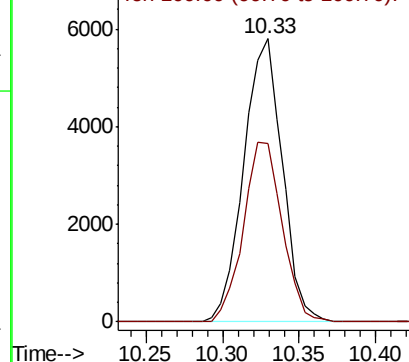


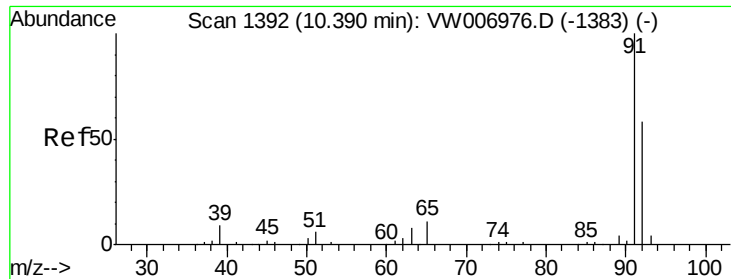
#50
Toluene-d8
Concen: 3.096 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW007007.D
Acq: 21 Nov 2018 18:24

Tgt Ion: 98 Resp: 10149
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.2



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





#52

Toluene

Concen: 1.803 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007007.D

Acq: 21 Nov 2018 18:24

Instrument :

MSVOA_W

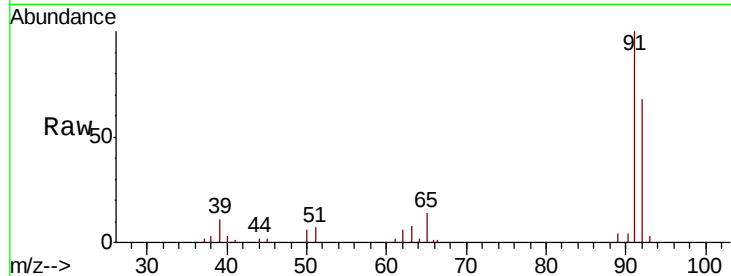
ClientSampleId :

Tot Ion: 92 Resp: 4254

Ion Ratio Lower Upper

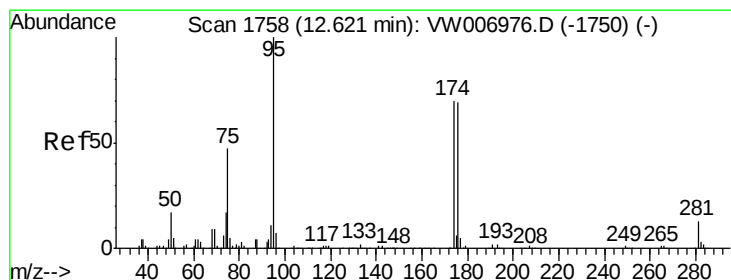
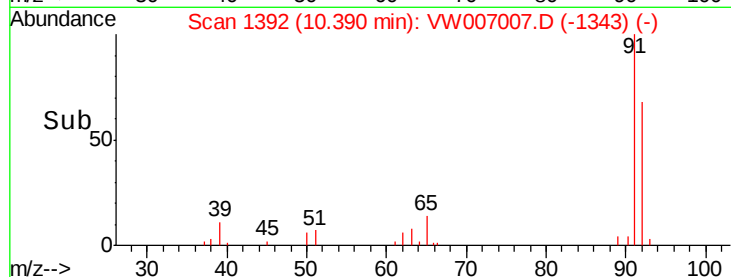
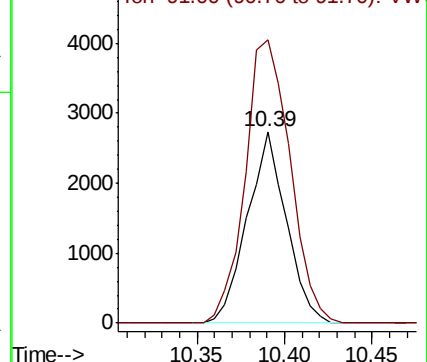
92 100

91 169.8 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 35.888 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007007.D

Acq: 21 Nov 2018 18:24

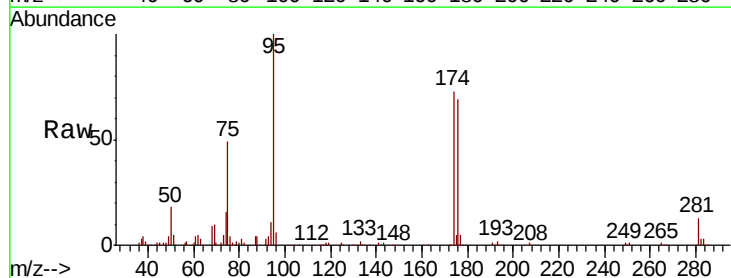
Tgt Ion: 95 Resp: 46296

Ion Ratio Lower Upper

95 100

174 72.2 0.0 143.6

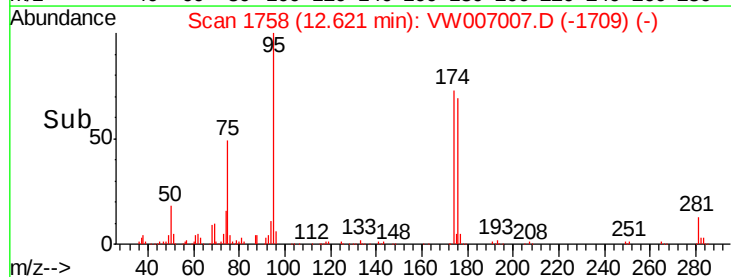
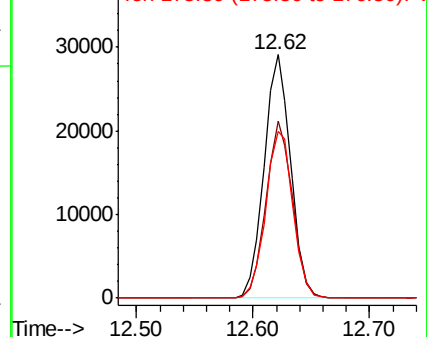
176 70.1 0.0 140.4

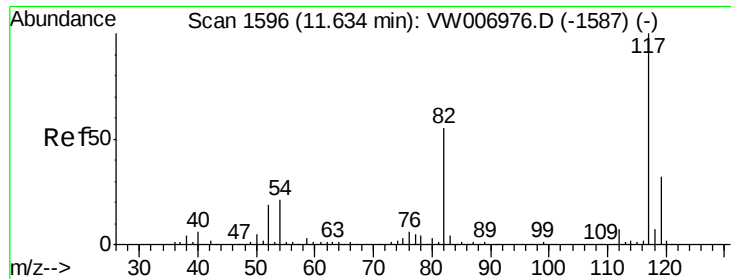


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

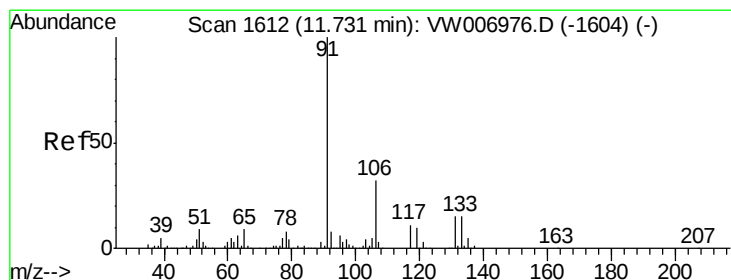
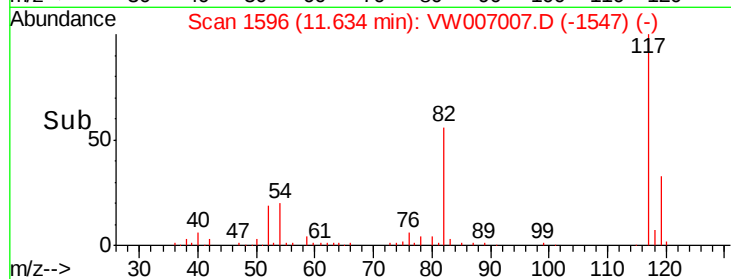
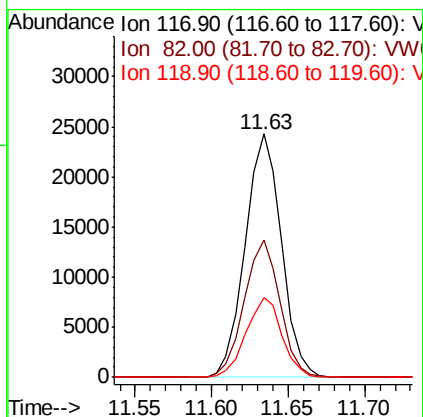
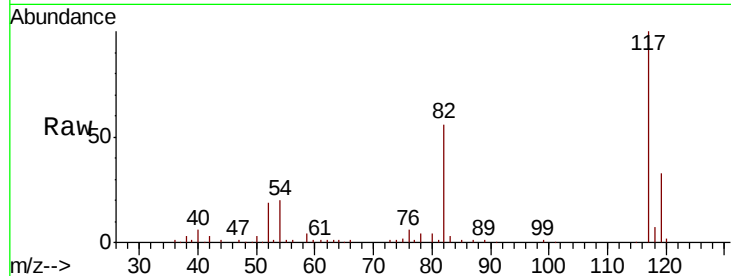




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007007.D
Acq: 21 Nov 2018 18:24

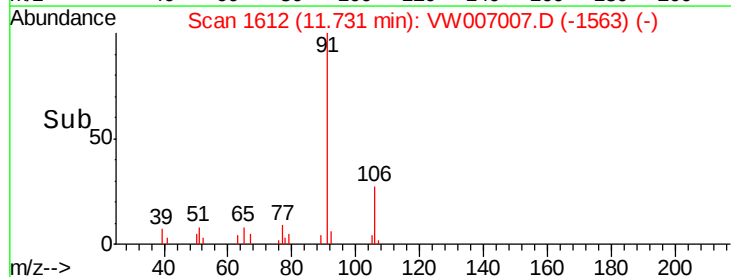
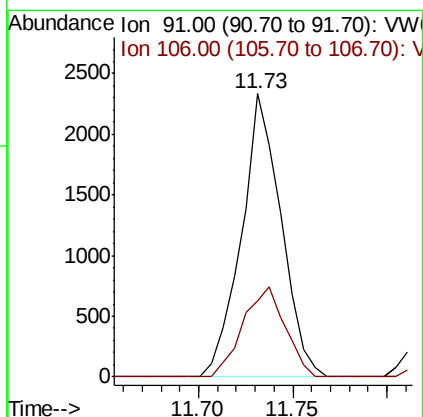
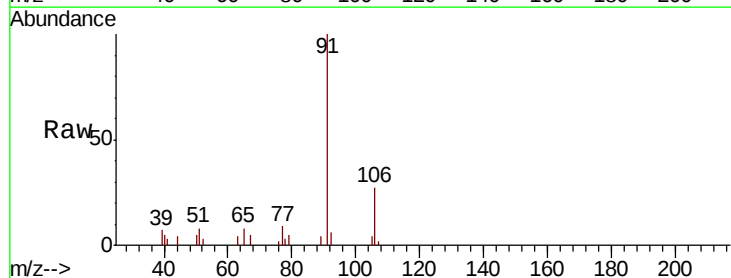
Instrument :
MSVOA_W
ClientSampleId :

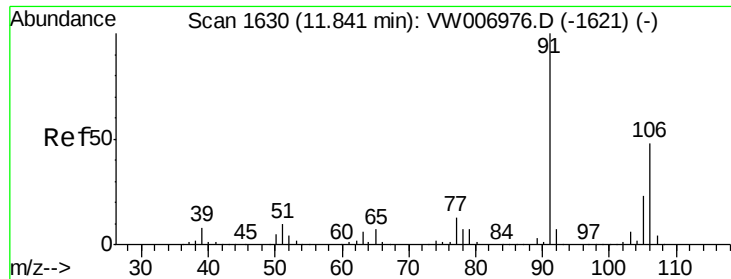
Tot Ion:117 Resp: 39907
Ion Ratio Lower Upper
117 100
82 56.5 44.2 66.2
119 33.0 25.9 38.9



#67
Ethyl Benzene
Concen: 2.228 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007007.D
Acq: 21 Nov 2018 18:24

Tgt Ion: 91 Resp: 3409
Ion Ratio Lower Upper
91 100
106 26.7 25.4 38.2

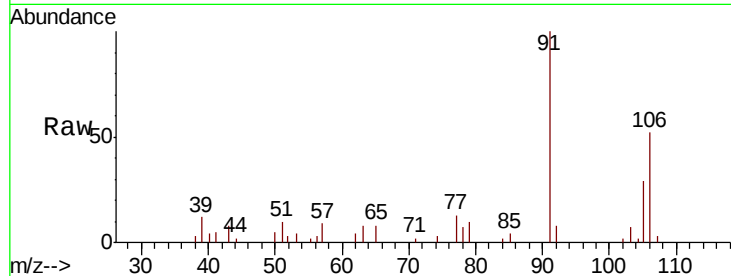




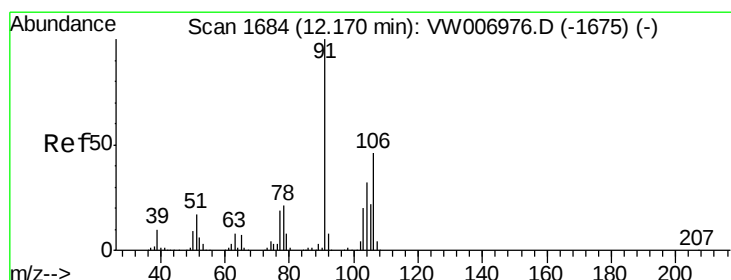
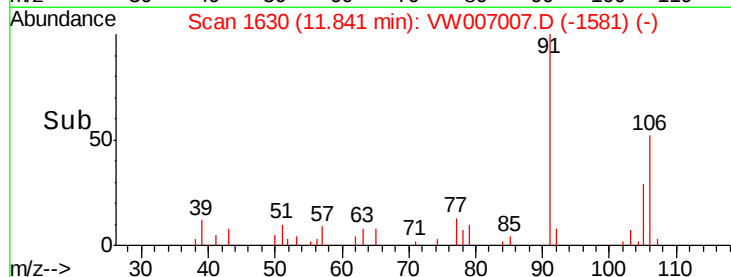
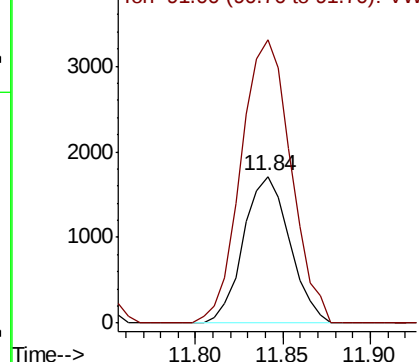
#68
m/p-Xylenes
Concen: 5.232 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007007.D
Acq: 21 Nov 2018 18:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 3141
Ion Ratio Lower Upper
106 100
91 209.2 164.8 247.2

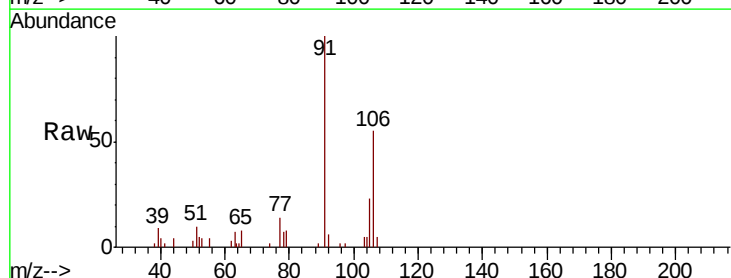


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

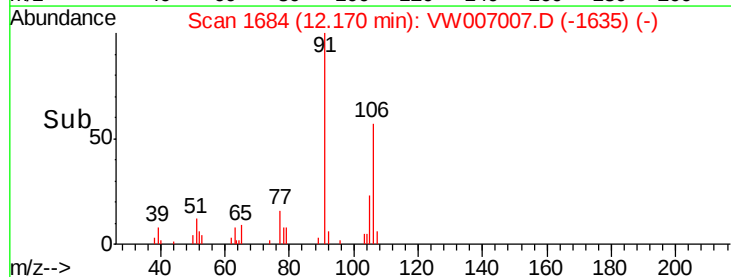
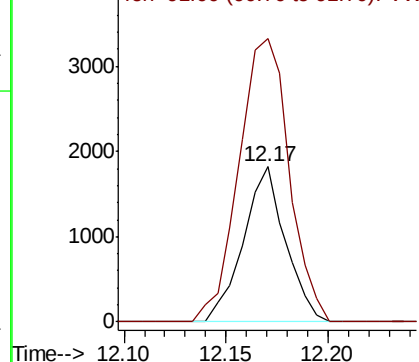


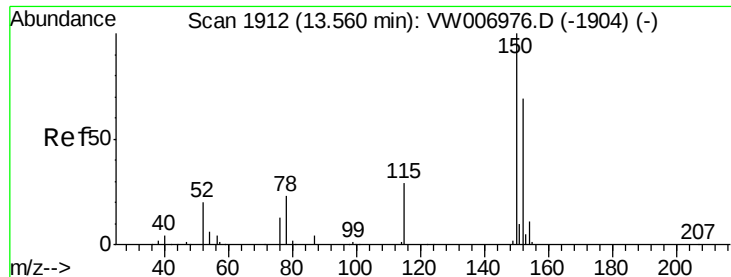
#69
o-Xylene
Concen: 4.611 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007007.D
Acq: 21 Nov 2018 18:24

Tgt Ion:106 Resp: 2610
Ion Ratio Lower Upper
106 100
91 218.0 107.9 323.8



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: VW007007.D

Acq: 21 Nov 2018 18:24

Instrument :

MSVOA_W

ClientSampleId :

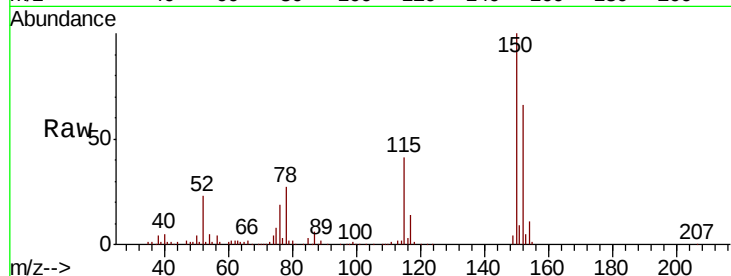
Tot Ion:152 Resp: 39716

Ion Ratio Lower Upper

152 100

115 62.0 31.4 94.2

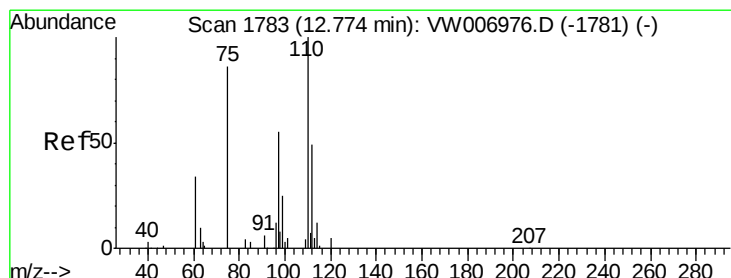
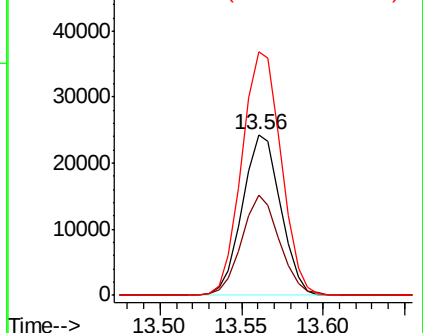
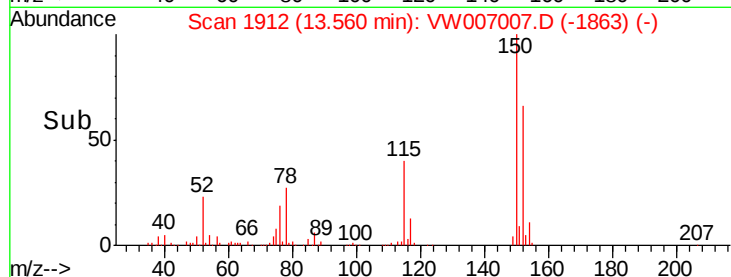
150 155.8 0.0 353.4



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



#76

1,2,3-Trichloropropane

Concen: 71.778 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007007.D

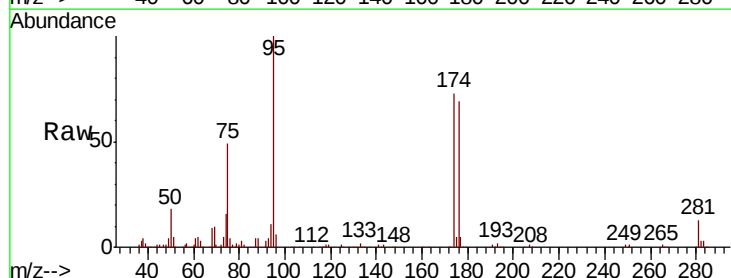
Acq: 21 Nov 2018 18:24

Tgt Ion: 75 Resp: 22401

Ion Ratio Lower Upper

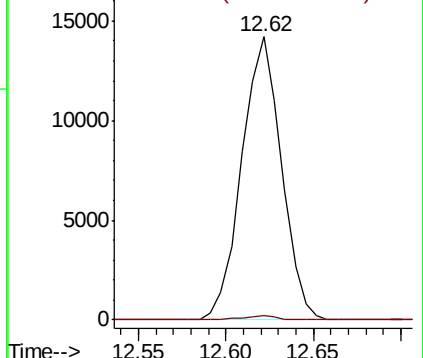
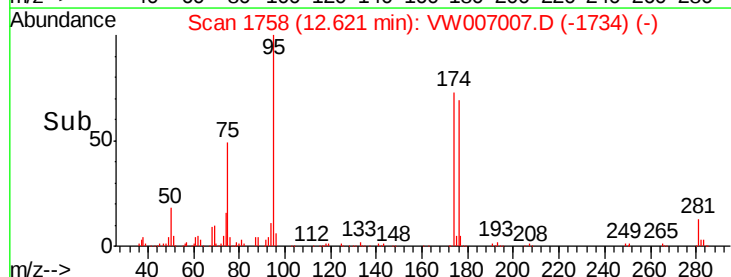
75 100

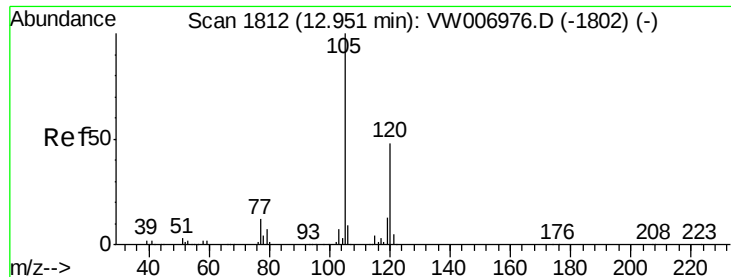
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

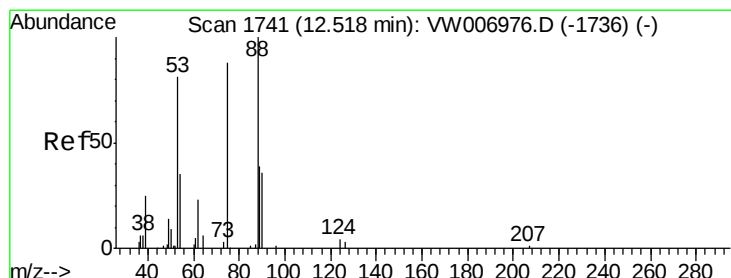
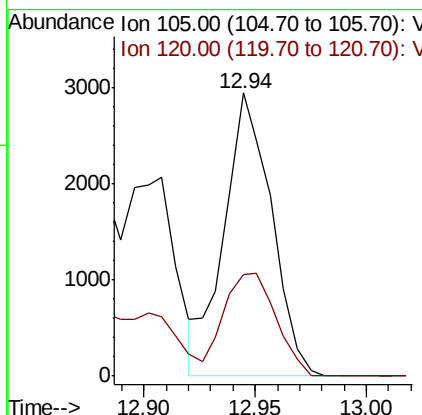
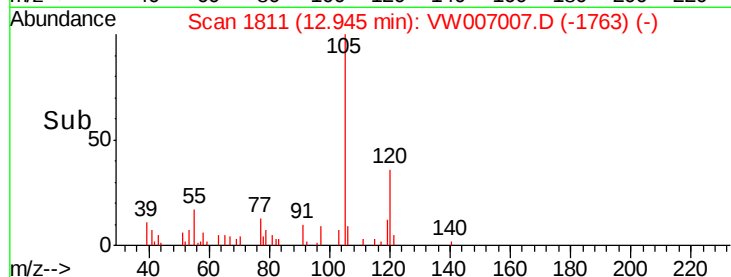
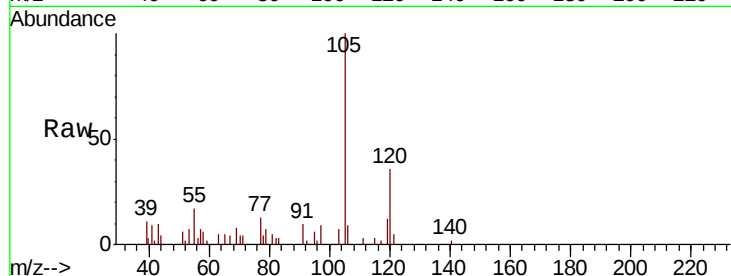




#80
 1,3,5-Trimethylbenzene
 Concen: 1.631 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: VW007007.D
 Acq: 21 Nov 2018 18:24

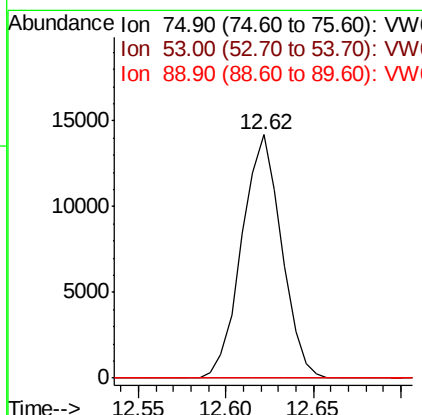
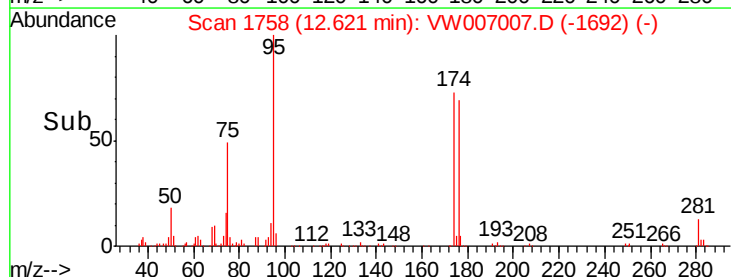
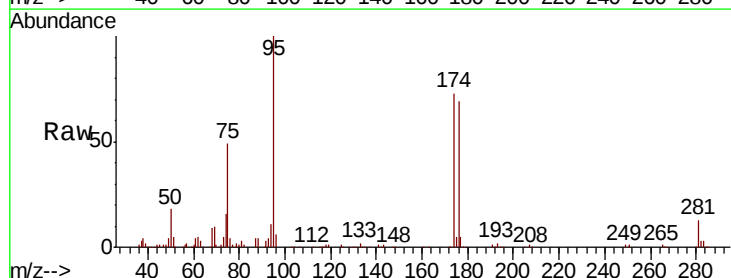
Instrument :
 MSVOA_W
 ClientSampleId :

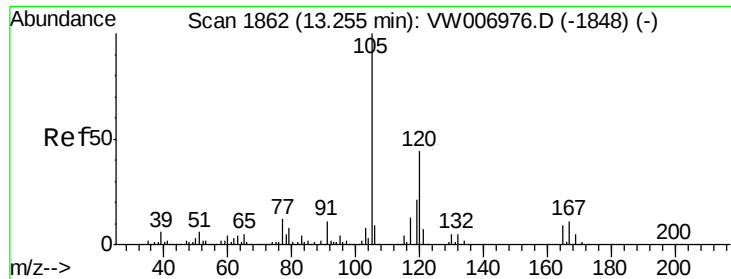
Tot Ion:105 Resp: 4353
 Ion Ratio Lower Upper
 105 100
 120 39.9 23.8 71.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 180.207 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007007.D
 Acq: 21 Nov 2018 18:24

Tgt Ion: 75 Resp: 22401
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 39.3 58.9#

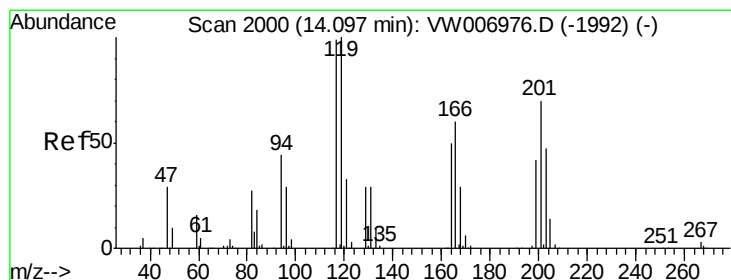
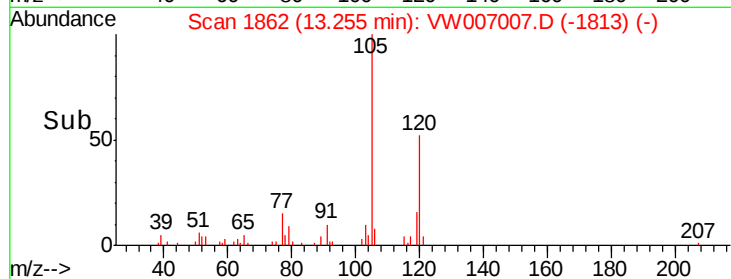
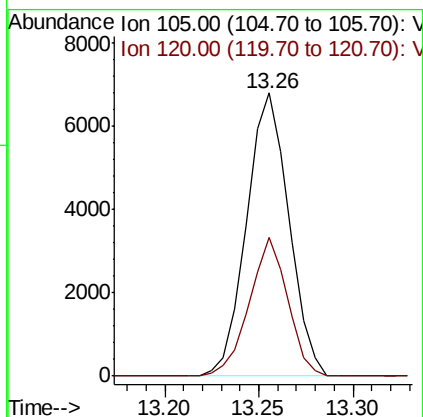
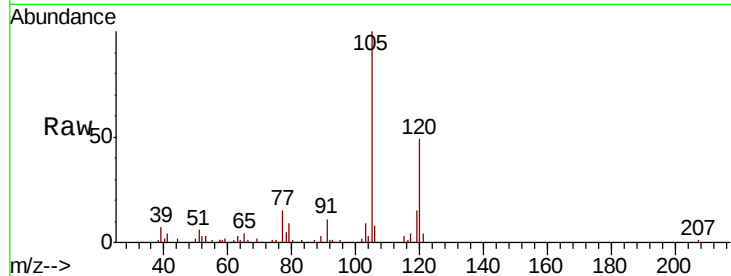




#84
1,2,4-Trimethylbenzene
Concen: 3.967 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007007.D
Acq: 21 Nov 2018 18:24

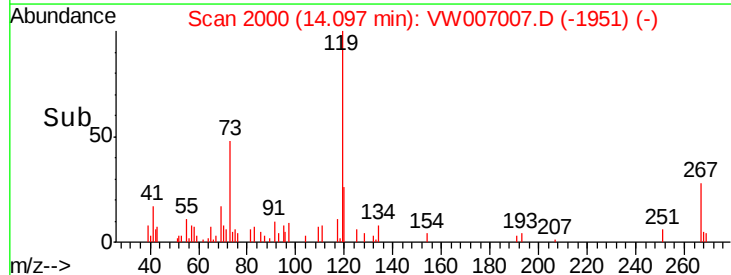
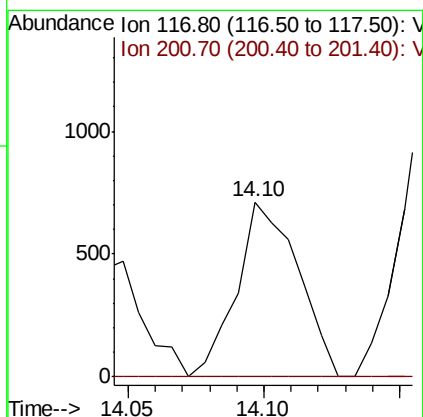
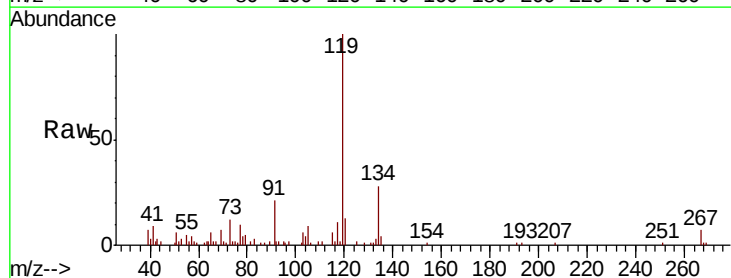
Instrument :
MSVOA_W
ClientSampleId :

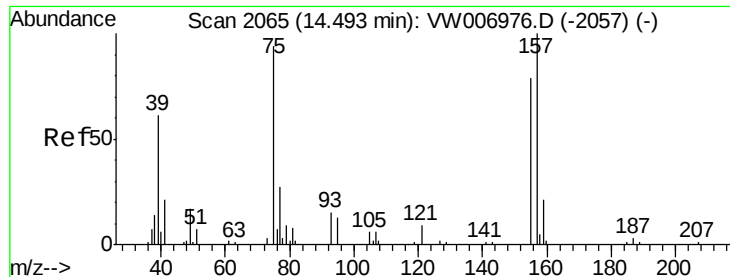
Tot Ion:105 Resp: 10550
Ion Ratio Lower Upper
105 100
120 44.4 21.8 65.3



#90
Hexachloroethane
Concen: 2.652 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007007.D
Acq: 21 Nov 2018 18:24

Tgt Ion:117 Resp: 1115
Ion Ratio Lower Upper
117 100
201 0.0 35.9 107.5#

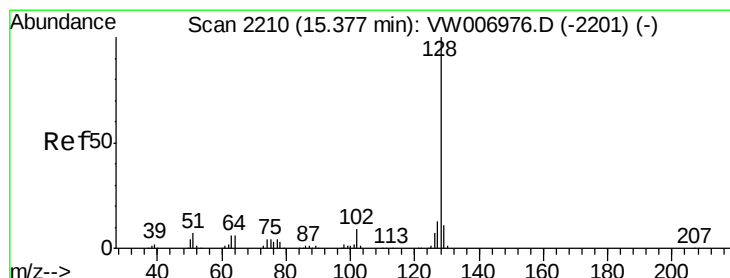
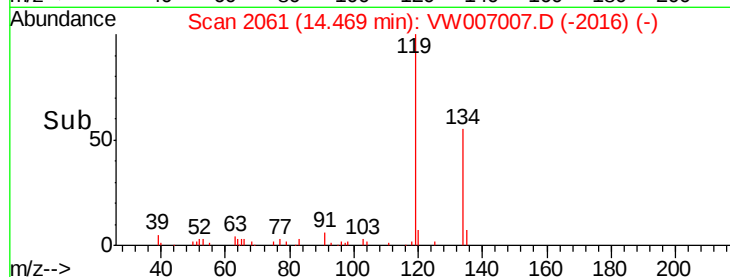
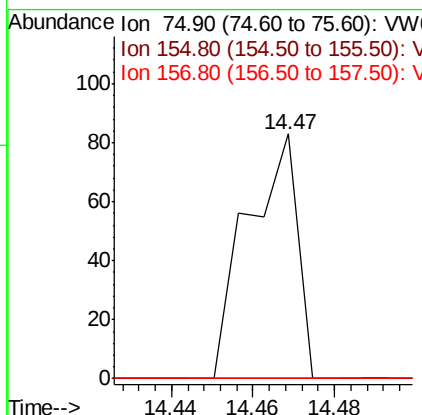
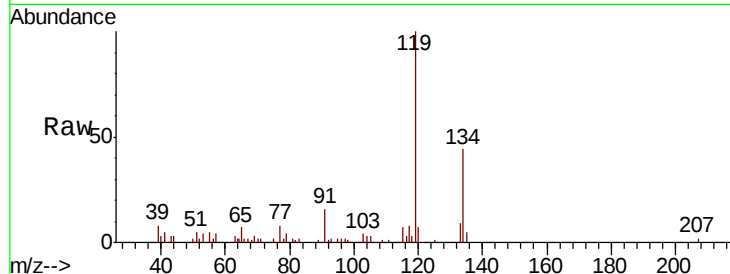




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.023 ug/l
 RT: 14.47 min Scan# 2061
 Delta R.T. -0.02 min
 Lab File: VW007007.D
 Acq: 21 Nov 2018 18:24

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 75 Resp: 71
 Ion Ratio Lower Upper
 75 100
 155 0.0 42.6 127.8#
 157 0.0 55.0 165.0#



#95
 Naphthalene
 Concen: 2.921 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW007007.D
 Acq: 21 Nov 2018 18:24

Tgt Ion:128 Resp: 4147
 Ion Ratio Lower Upper
 128 100
 127 14.2 10.5 15.7
 129 8.0 8.7 13.1#

