

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112618\
 Data File : VW007054.D
 Acq On : 26 Nov 2018 18:06
 Operator : VAY/AP
 Sample : J5770-05
 Misc : 6.09G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 27 05:26:29 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

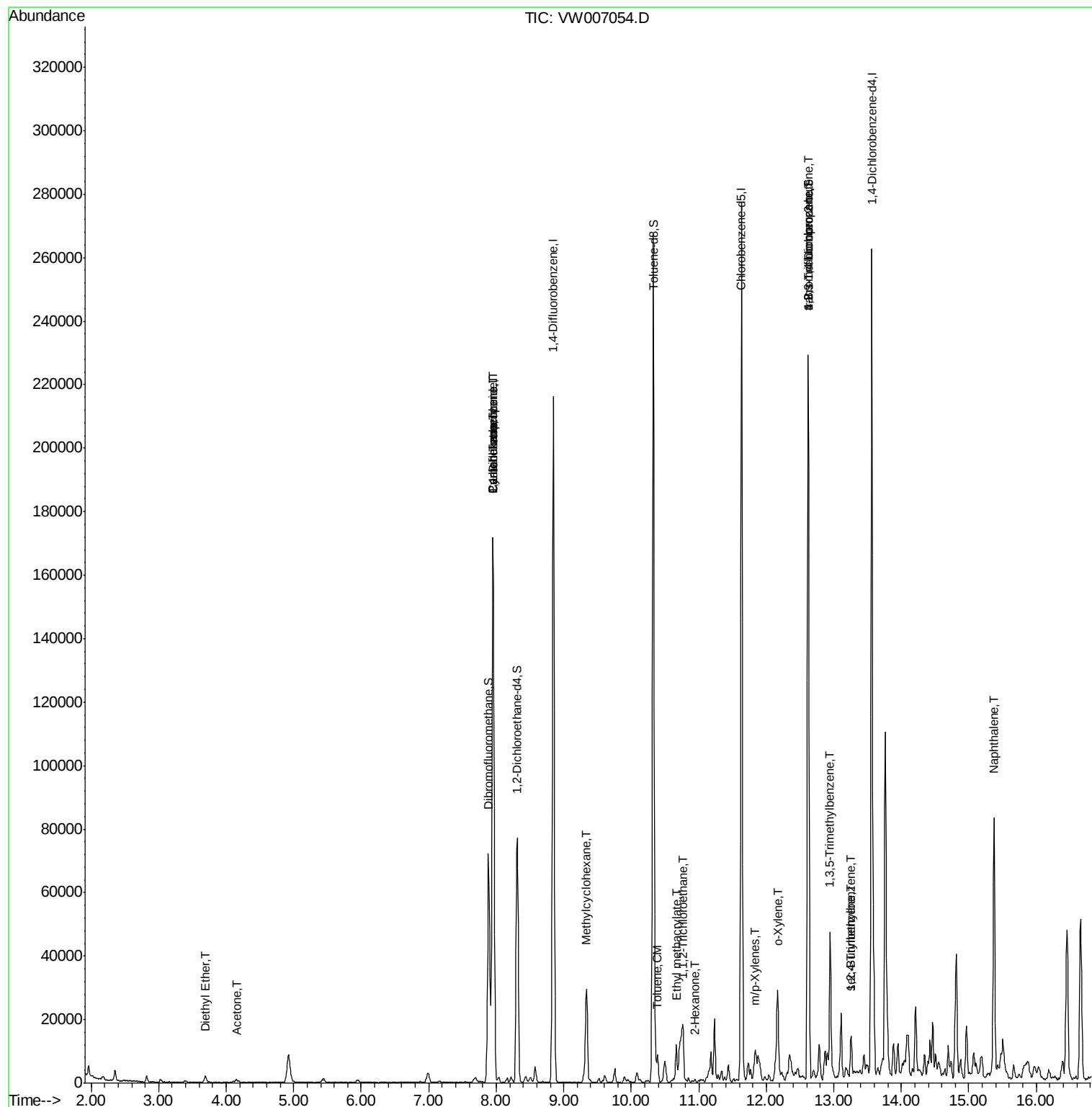
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	119168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	187465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	157764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	67591	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	63491	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	
35) Dibromofluoromethane	7.89	113	52859	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.32	98	177762	38.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.04%	
62) 4-Bromofluorobenzene	12.62	95	76548	41.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.22%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.69	74	1105	1.808	ug/l	100
16) Acetone	4.16	43	1857	10.963	ug/l #	63
20) Methylene Chloride	4.92	84	6640	Below Cal		89
31) Cyclohexane	7.96	56	7741	3.445	ug/l #	73
36) 1,1-Dichloropropene	7.95	75	8963	4.893	ug/l #	50
38) Carbon Tetrachloride	7.95	117	12143	6.922	ug/l #	16
39) Methylcyclohexane	9.34	83	13019	5.679	ug/l	97
52) Toluene	10.39	92	3735	1.110	ug/l	98
55) 1,1,2-Trichloroethane	10.76	97	2828	3.149	ug/l #	19
56) Ethyl methacrylate	10.66	69	1259	1.208	ug/l #	1
59) 2-Hexanone	10.94	43	498	1.138	ug/l #	24
68) m/p-Xylenes	11.84	106	2566	1.081	ug/l	97
69) o-Xylene	12.17	106	7295	3.260	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	37471	70.550	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	22176	4.882	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	37471	177.123	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	7420	1.639	ug/l	96
85) sec-Butylbenzene	13.26	105	7420	1.335	ug/l #	57
95) Naphthalene	15.38	128	74498	30.837	ug/l	99

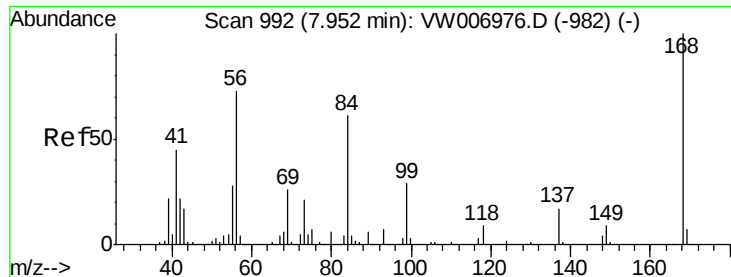
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007054.D

Acq: 26 Nov 2018 18:06

Instrument :

MSVOA_W

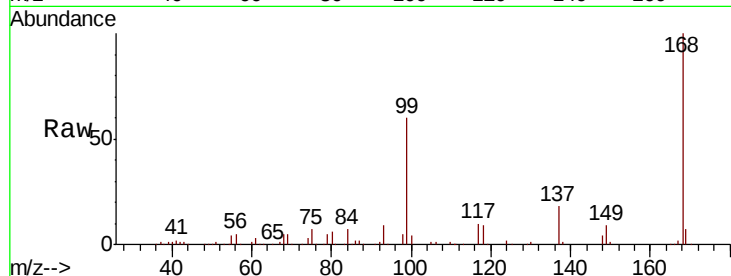
ClientSampled :

Tot Ion:168 Resp: 119168

Ion Ratio Lower Upper

168 100

99 60.1 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

60000

50000

40000

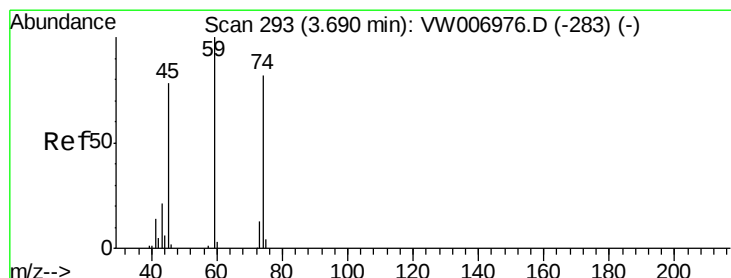
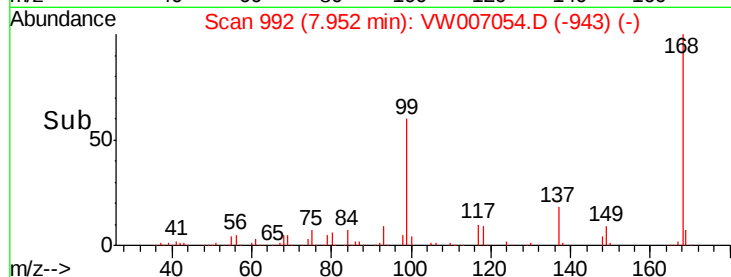
30000

20000

10000

0

Time-->



#8

Diethyl Ether

Concen: 1.808 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW007054.D

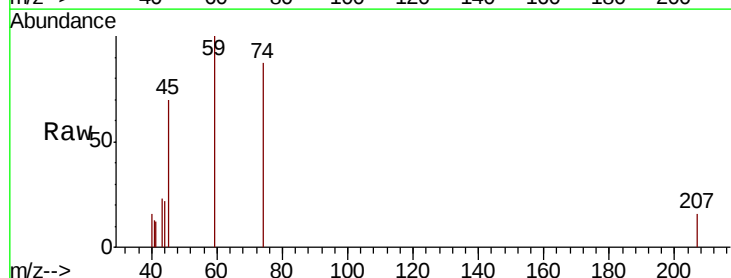
Acq: 26 Nov 2018 18:06

Tgt Ion: 74 Resp: 1105

Ion Ratio Lower Upper

74 100

45 96.4 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.69

600

500

400

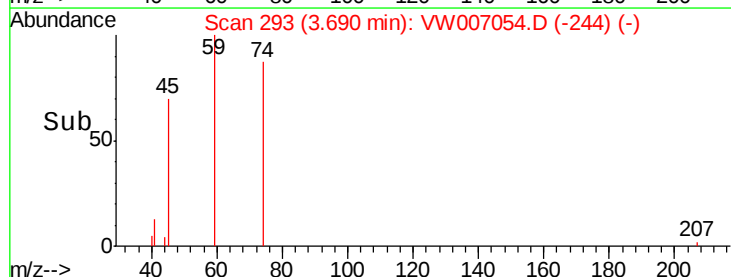
300

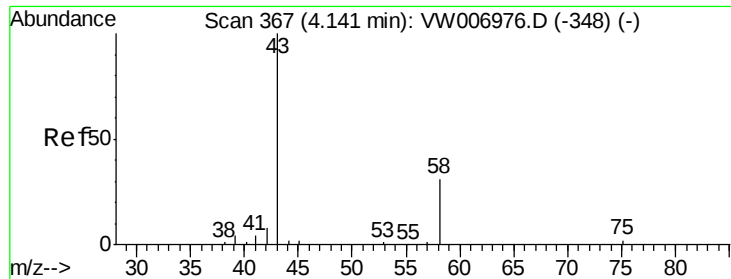
200

100

0

Time-->





#16

Acetone

Concen: 10.963 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.02 min

Lab File: VW007054.D

Acq: 26 Nov 2018 18:06

Instrument :

MSVOA_W

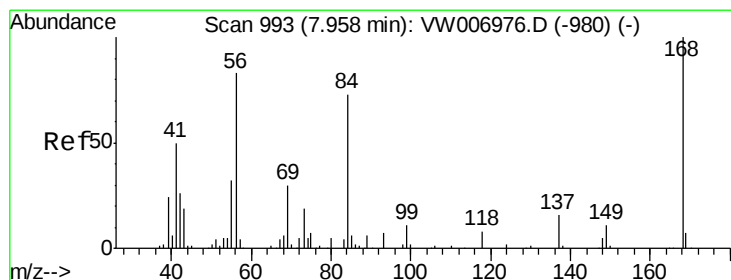
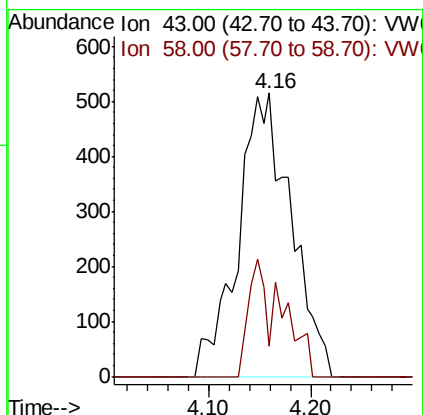
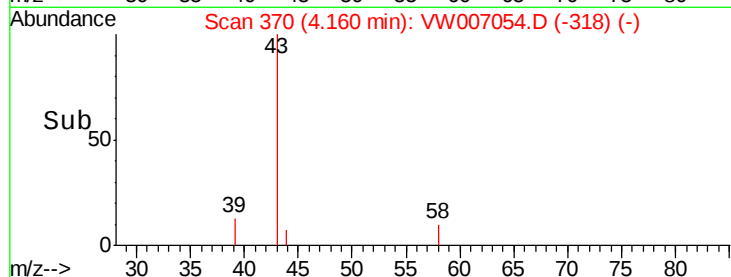
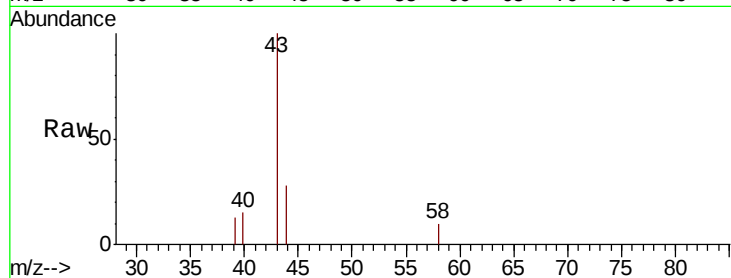
ClientSampled :

Tot Ion: 43 Resp: 1857

Ion Ratio Lower Upper

43 100

58 10.5 24.8 37.2#



#31

Cyclohexane

Concen: 3.445 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW007054.D

Acq: 26 Nov 2018 18:06

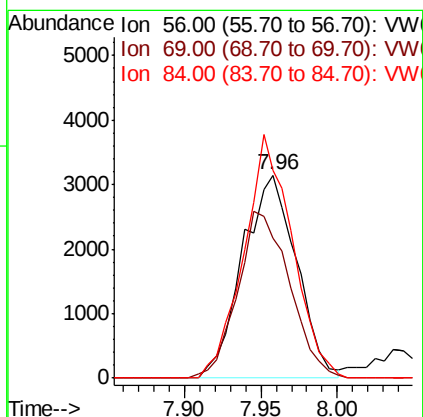
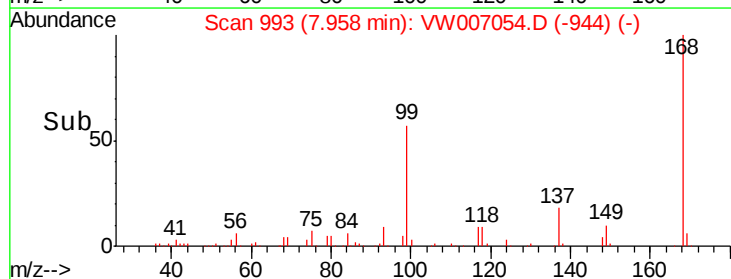
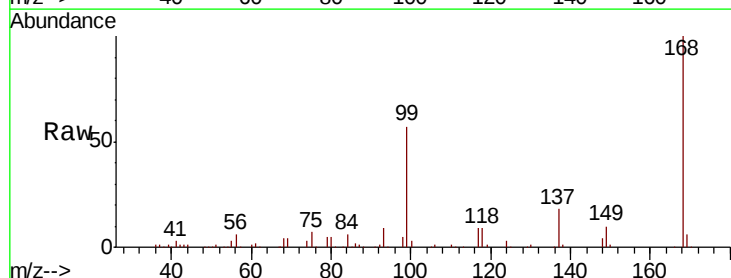
Tgt Ion: 56 Resp: 7741

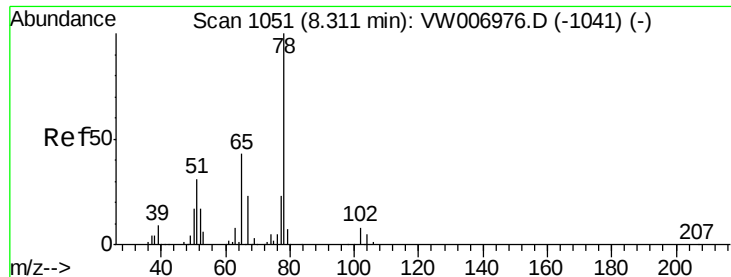
Ion Ratio Lower Upper

56 100

69 68.6 29.1 43.7#

84 102.3 70.6 105.8

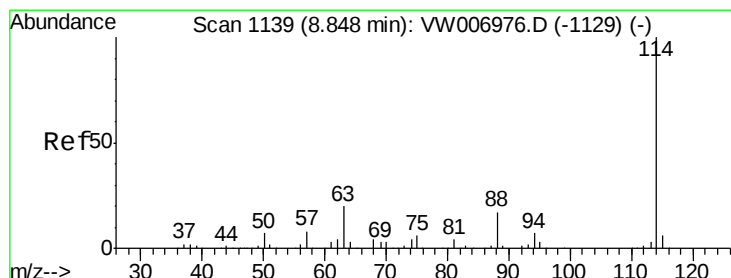
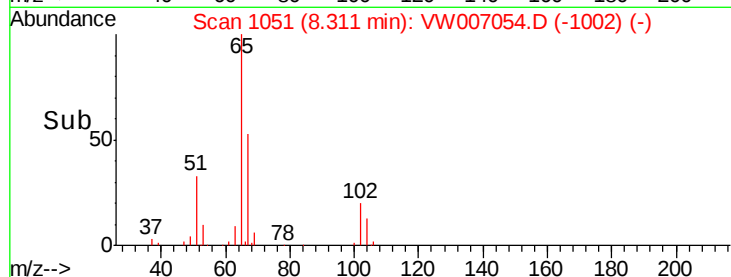
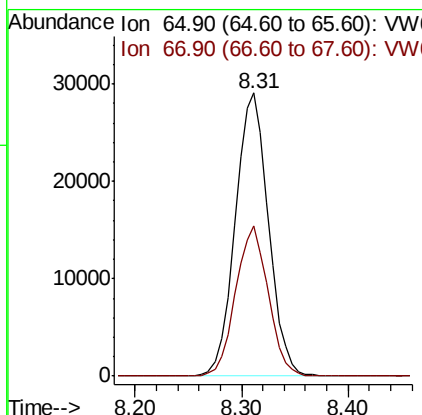
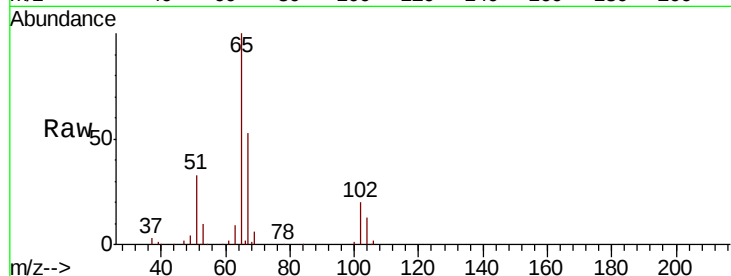




#33
 1,2-Dichloroethane-d4
 Concen: 54.420 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW007054.D
 Acq: 26 Nov 2018 18:06

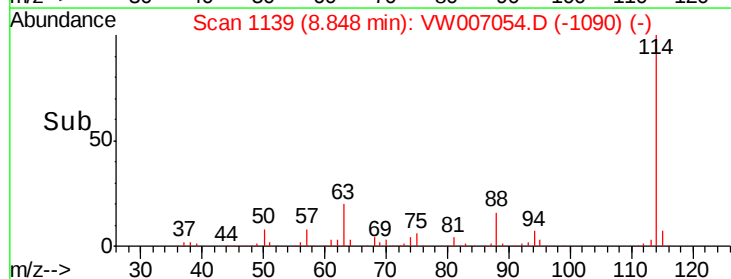
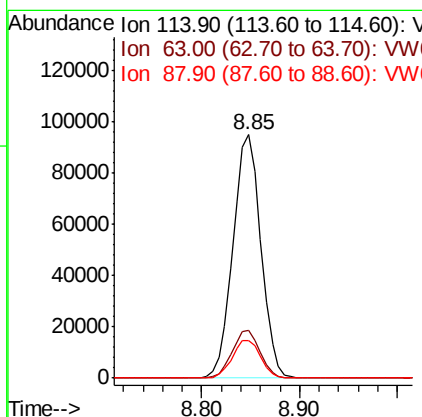
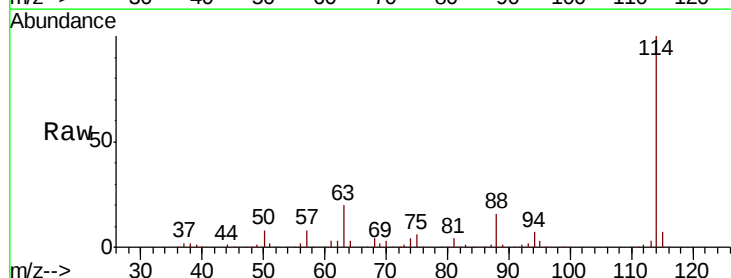
Instrument :
 MSVOA_W
 ClientSampleId :

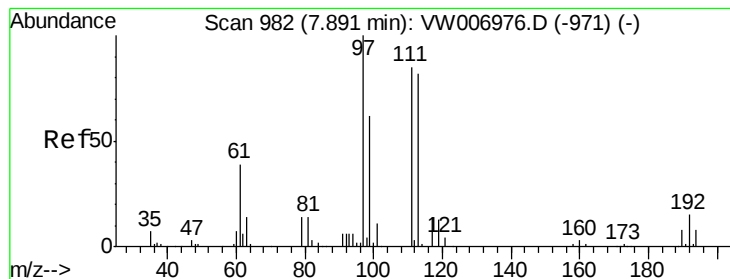
Tot Ion: 65 Resp: 63491
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007054.D
 Acq: 26 Nov 2018 18:06

Tgt Ion: 114 Resp: 187465
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.4
 88 15.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.930 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW007054.D

Acq: 26 Nov 2018 18:06

Instrument :

MSVOA_W

ClientSampleId :

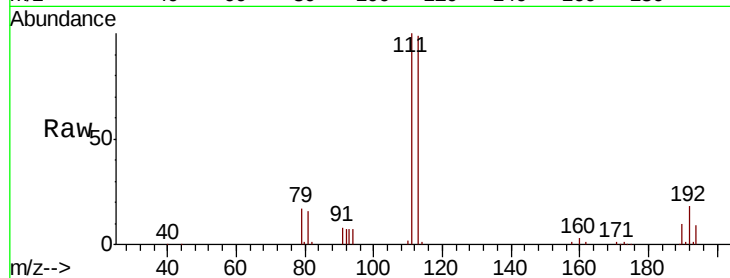
Tot Ion:113 Resp: 52859

Ion Ratio Lower Upper

113 100

111 103.5 81.0 121.6

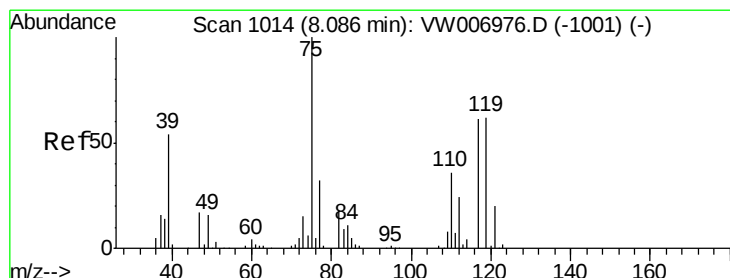
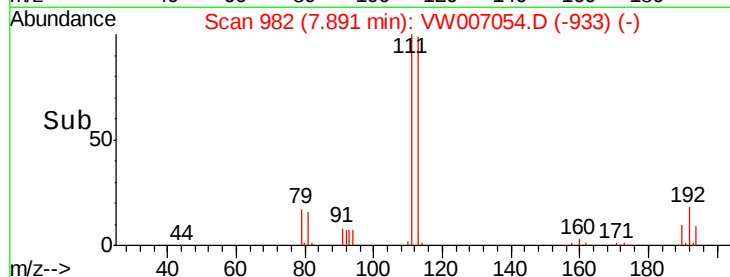
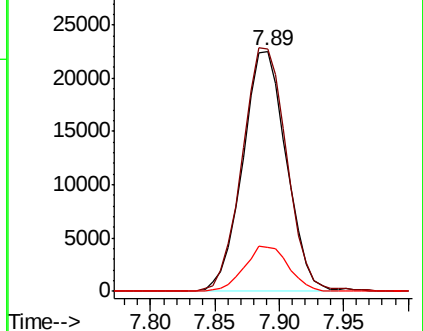
192 19.0 15.0 22.6



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: 4.893 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007054.D

Acq: 26 Nov 2018 18:06

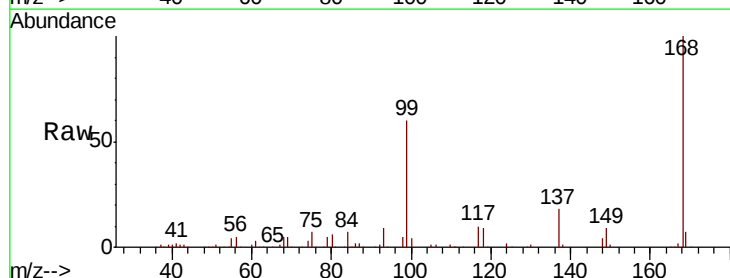
Tgt Ion: 75 Resp: 8963

Ion Ratio Lower Upper

75 100

110 10.1 18.0 54.0#

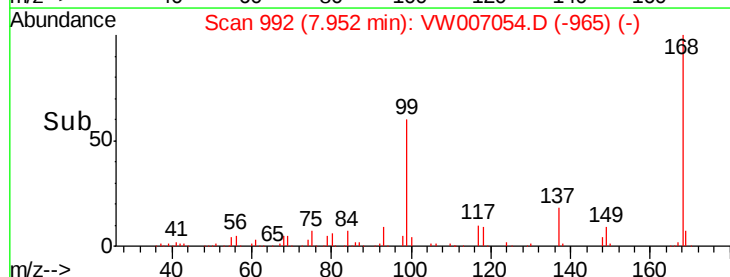
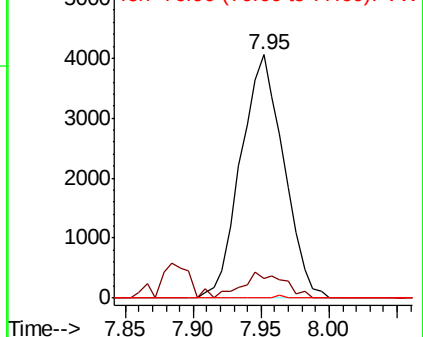
77 0.2 24.9 37.3#

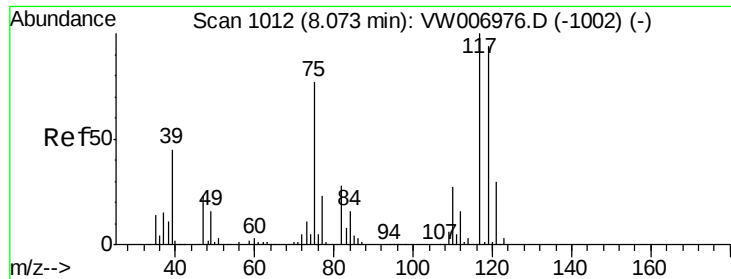


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

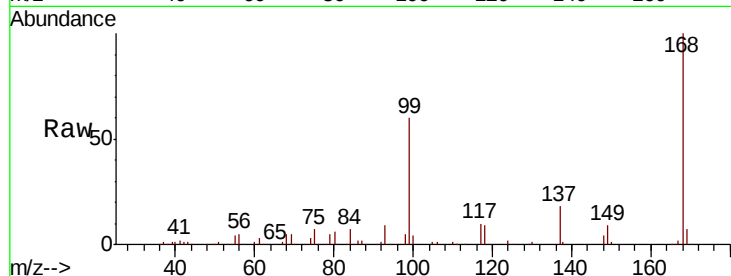




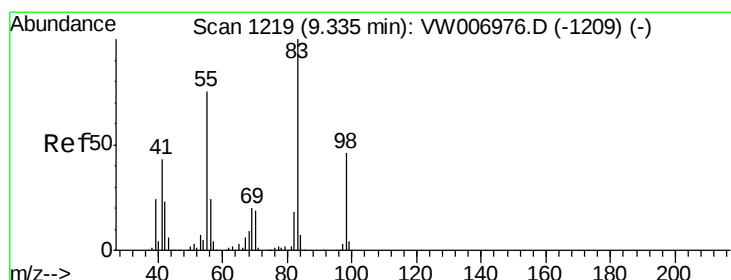
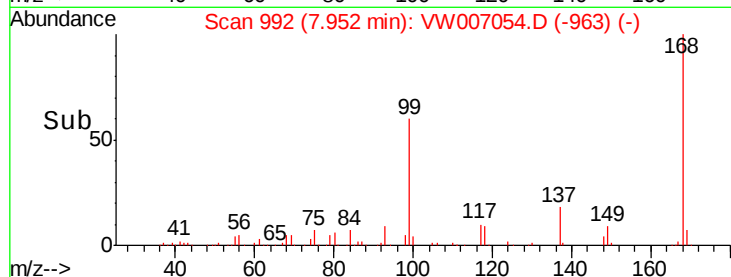
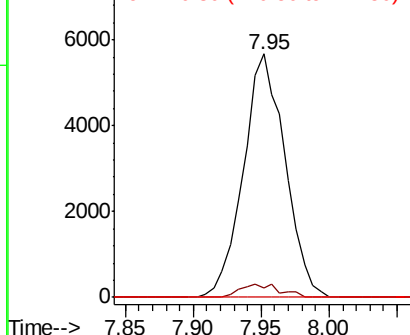
#38
Carbon Tetrachloride
Concen: 6.922 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007054.D
Acq: 26 Nov 2018 18:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 12143
Ion Ratio Lower Upper
117 100
119 3.8 74.9 112.3#
121 0.0 23.6 35.4#

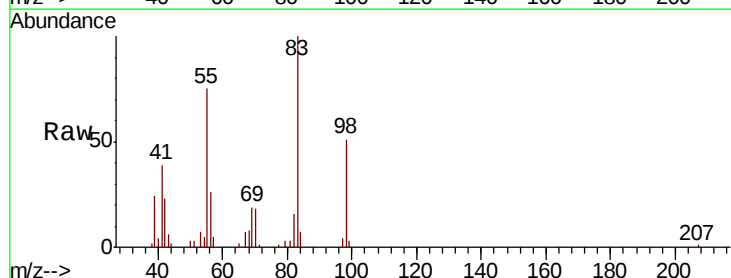


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

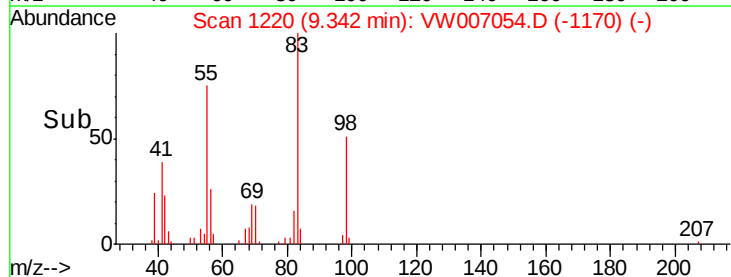
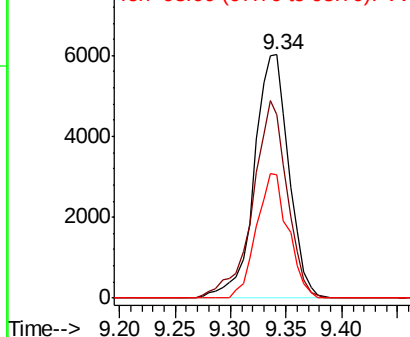


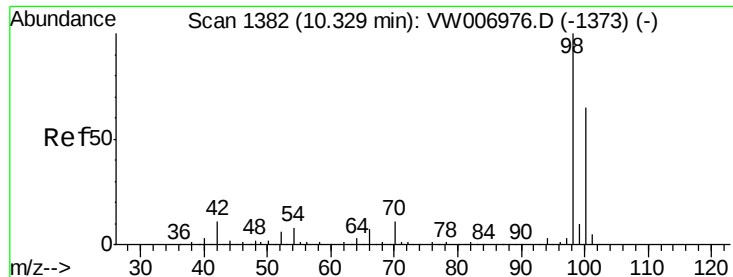
#39
Methylcyclohexane
Concen: 5.679 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW007054.D
Acq: 26 Nov 2018 18:06

Tgt Ion: 83 Resp: 13019
Ion Ratio Lower Upper
83 100
55 75.3 59.6 89.4
98 50.6 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: 38.025 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007054.D

Acq: 26 Nov 2018 18:06

Instrument :

MSVOA_W

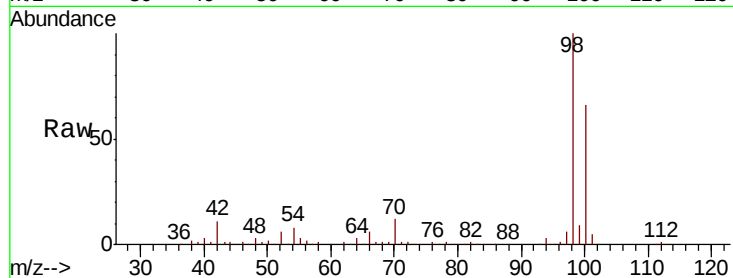
ClientSampled :

Tot Ion: 98 Resp: 177762

Ion Ratio Lower Upper

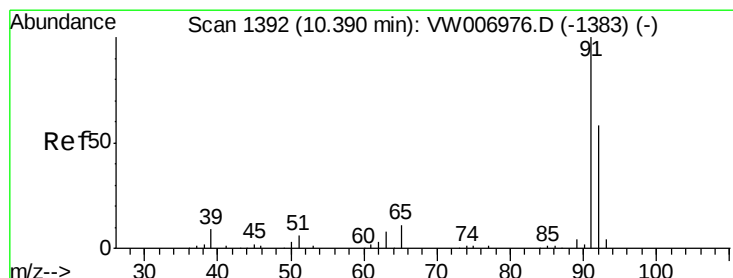
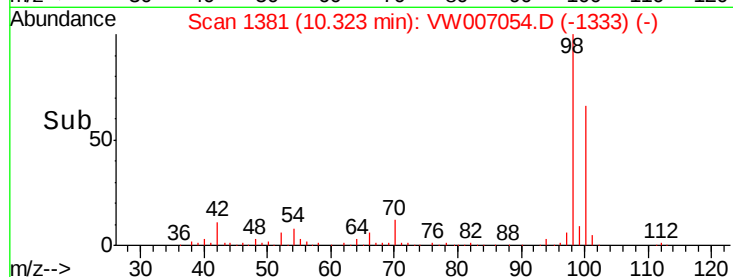
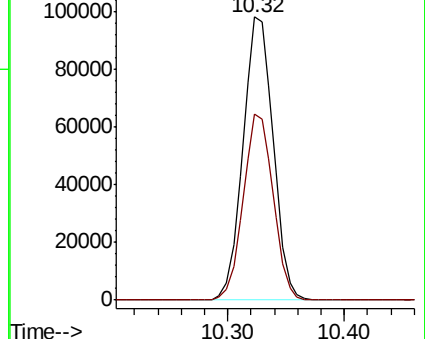
98 100

100 65.3 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: 1.110 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007054.D

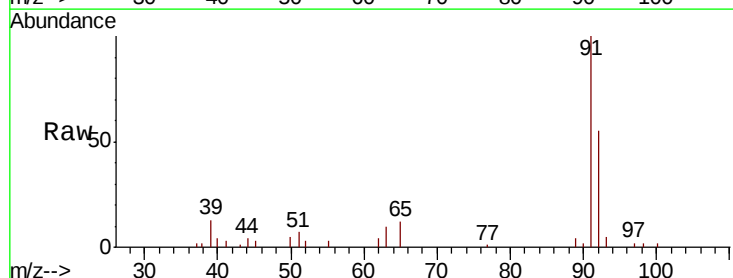
Acq: 26 Nov 2018 18:06

Tgt Ion: 92 Resp: 3735

Ion Ratio Lower Upper

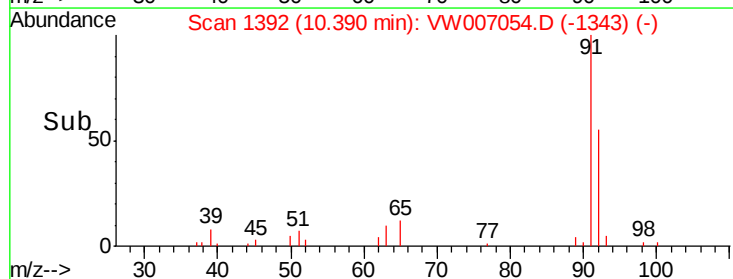
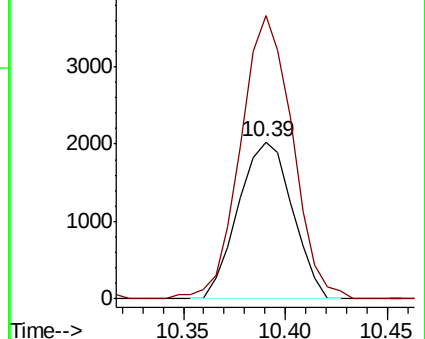
92 100

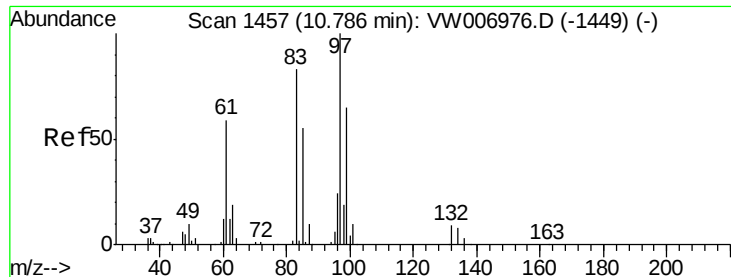
91 173.8 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

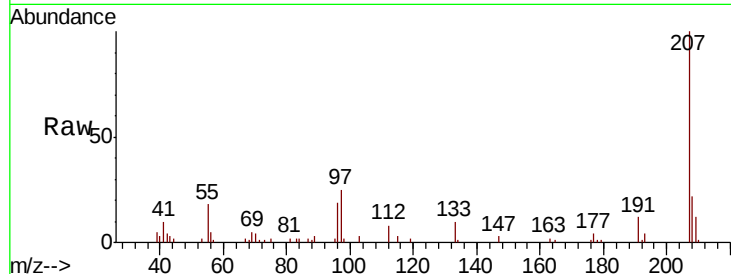




#55
 1,1,2-Trichloroethane
 Concen: 3.149 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW007054.D
 Acq: 26 Nov 2018 18:06

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
83	8.7	66.4	99.6#
85	0.0	44.1	66.1#
99	0.0	51.7	77.5#



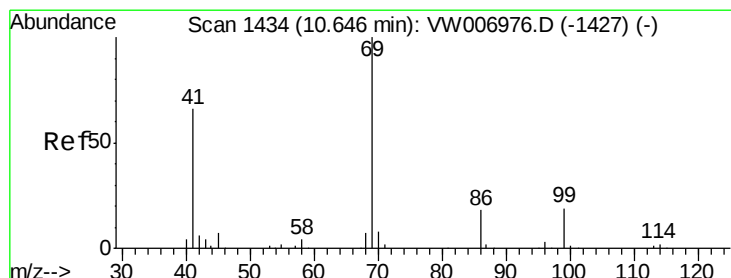
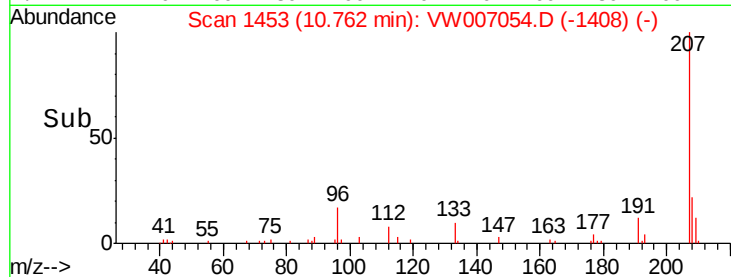
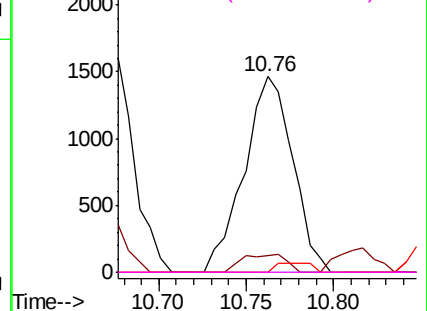
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

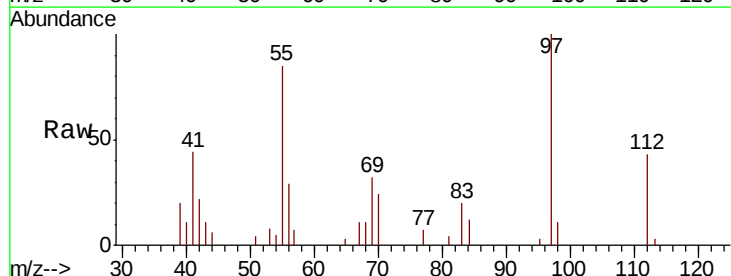
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 1.208 ug/l
 RT: 10.66 min Scan# 1437
 Delta R.T. 0.02 min
 Lab File: VW007054.D
 Acq: 26 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
69	100		
41	156.1	53.4	80.0#
39	80.8	28.2	42.4#

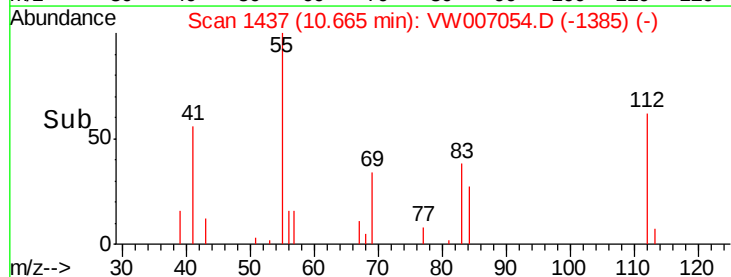
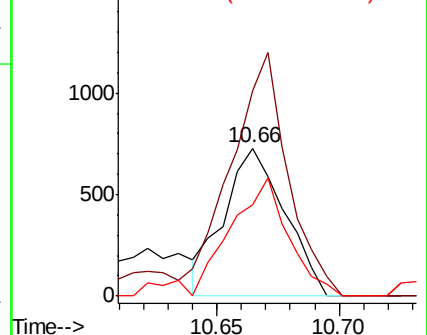


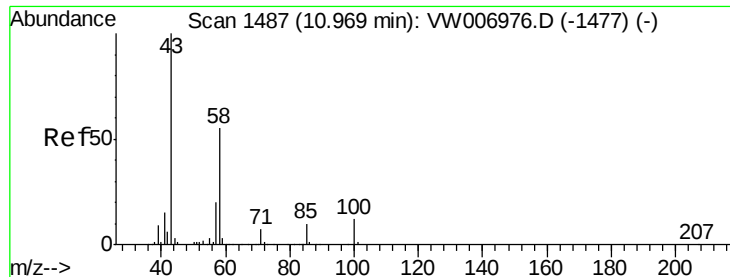
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#59

2-Hexanone

Concen: 1.138 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW007054.D

Acq: 26 Nov 2018 18:06

Instrument :

MSVOA_W

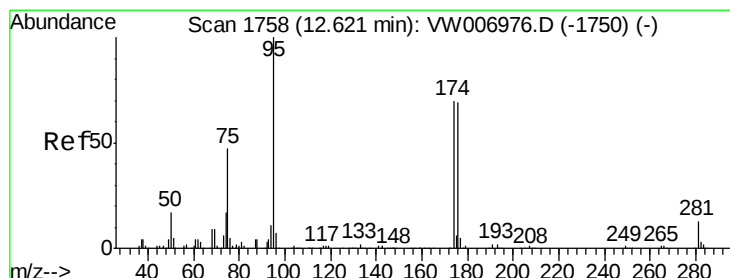
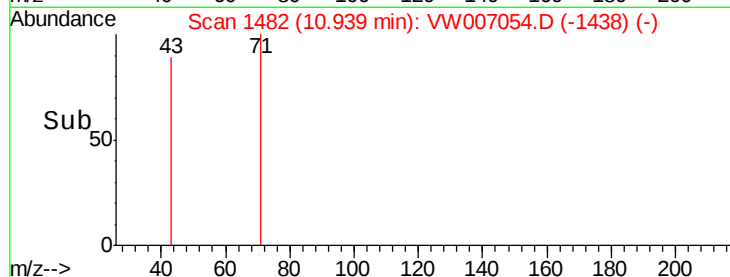
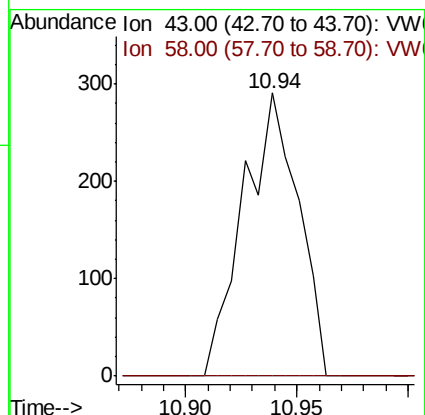
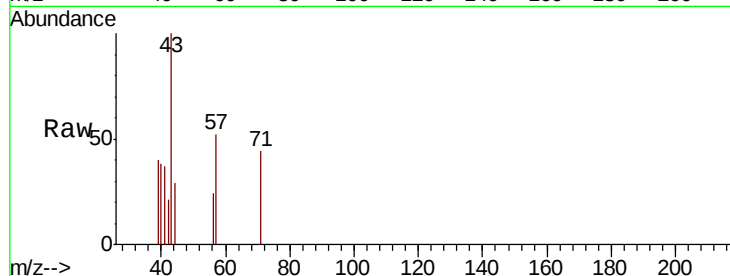
ClientSampleId :

Tot Ion: 43 Resp: 498

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#



#62

4-Bromofluorobenzene

Concen: 41.610 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007054.D

Acq: 26 Nov 2018 18:06

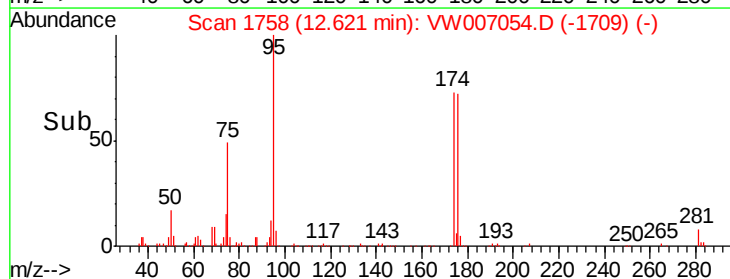
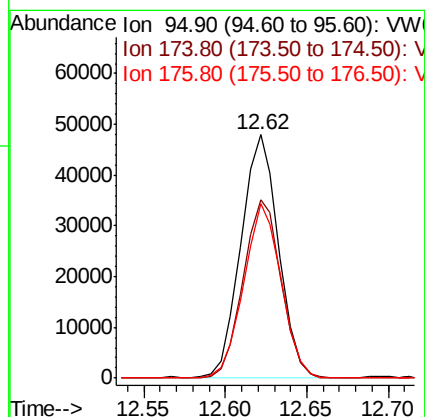
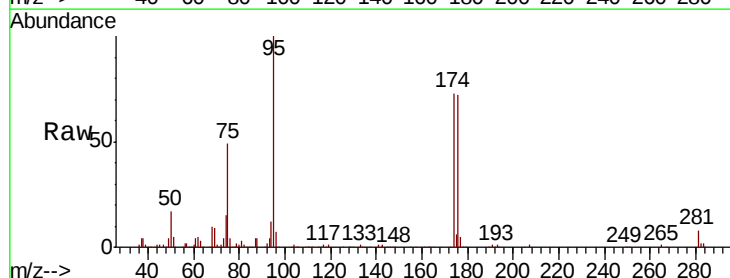
Tgt Ion: 95 Resp: 76548

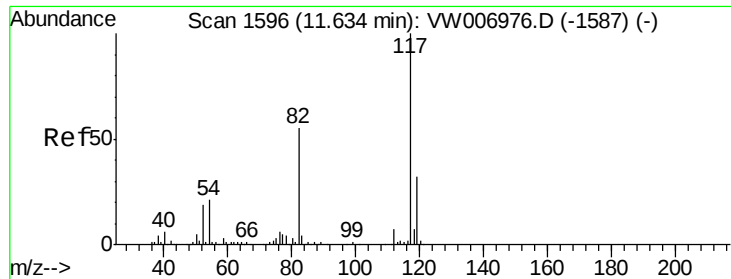
Ion Ratio Lower Upper

95 100

174 74.3 0.0 143.6

176 71.7 0.0 140.4

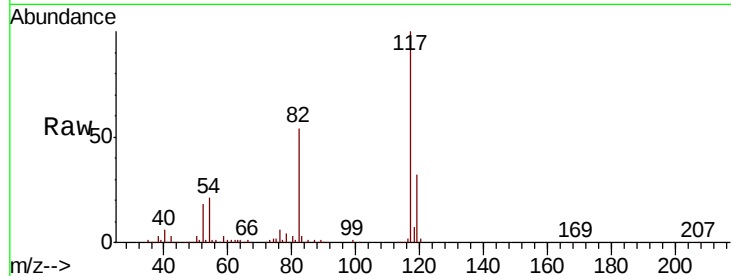




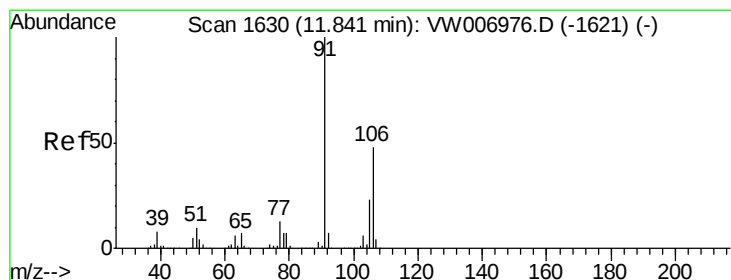
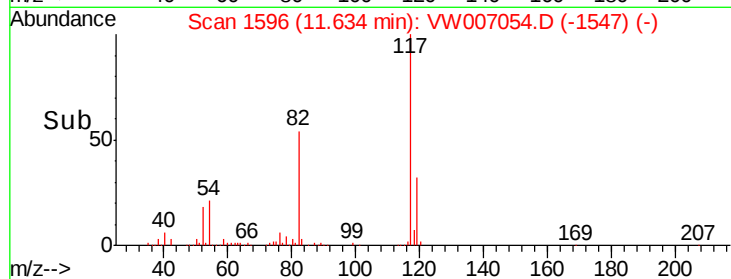
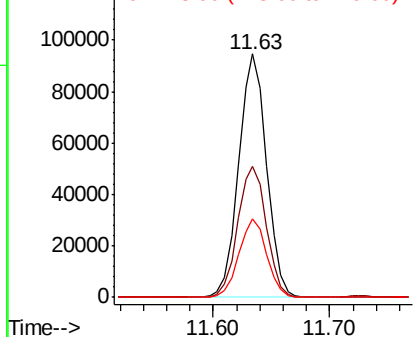
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007054.D
Acq: 26 Nov 2018 18:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 157764
Ion Ratio Lower Upper
117 100
82 54.0 44.2 66.2
119 32.0 25.9 38.9

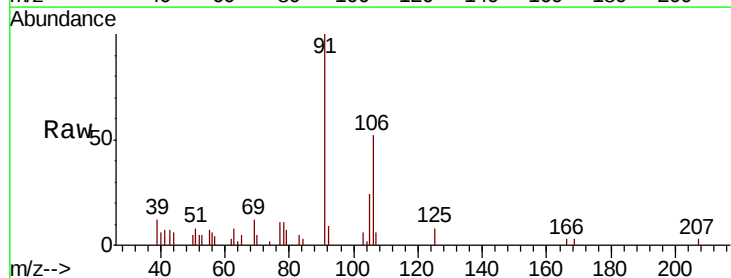


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

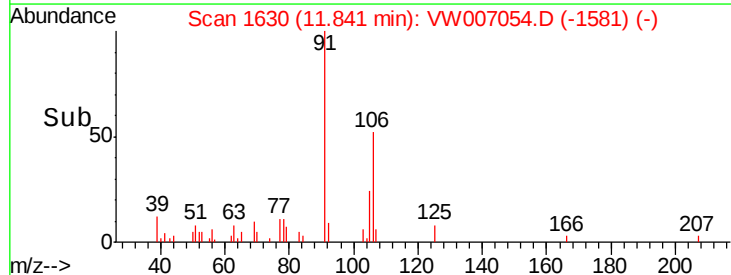
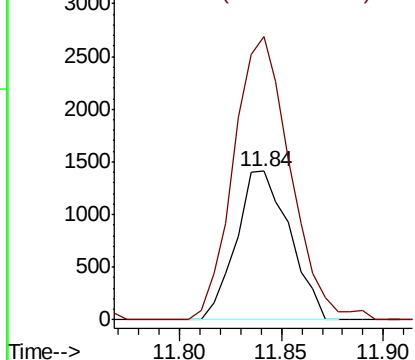


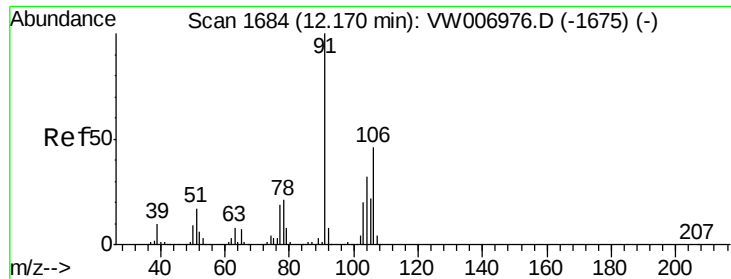
#68
m/p-Xylenes
Concen: 1.081 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007054.D
Acq: 26 Nov 2018 18:06

Tgt Ion:106 Resp: 2566
Ion Ratio Lower Upper
106 100
91 201.9 164.8 247.2



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

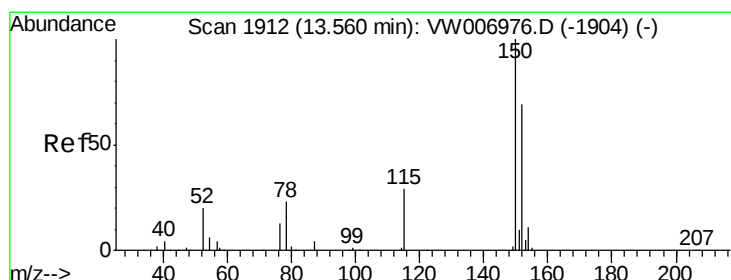
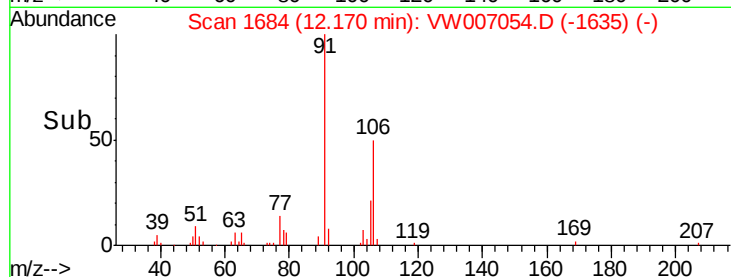
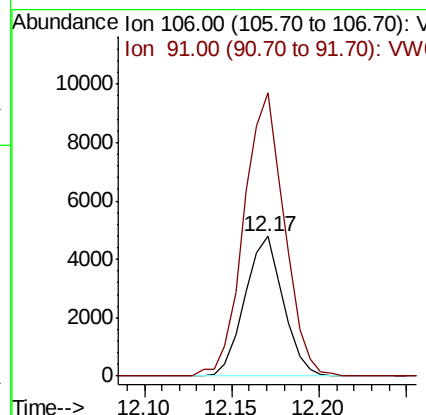
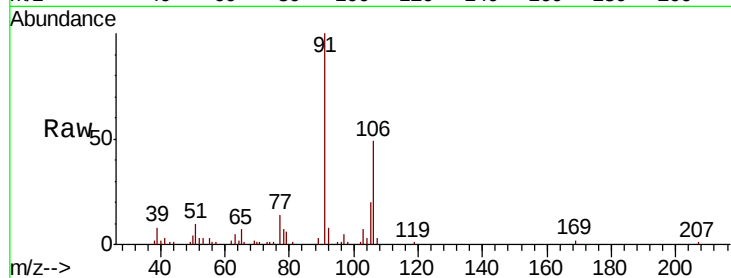




#69
o-Xylene
Concen: 3.260 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007054.D
Acq: 26 Nov 2018 18:06

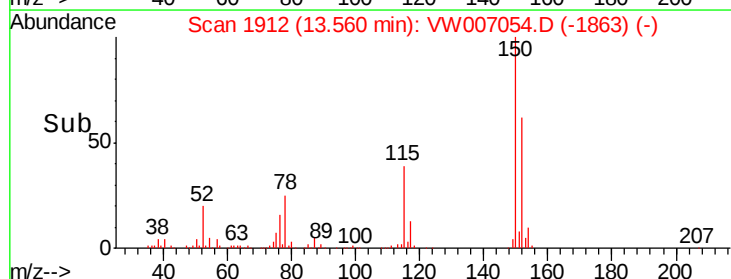
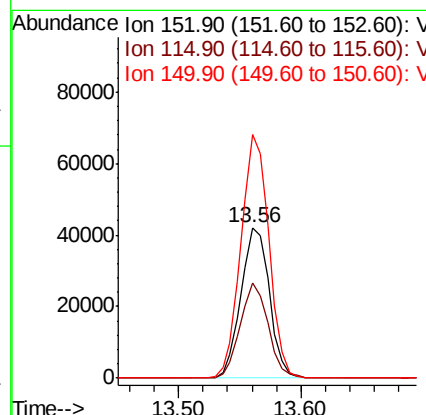
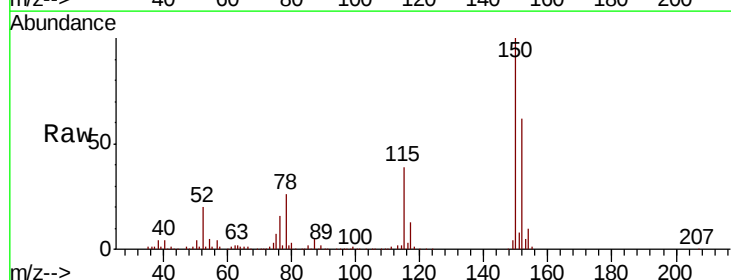
Instrument :
MSVOA_W
ClientSampleId :

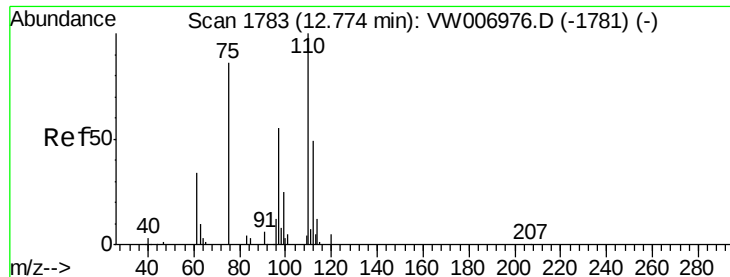
Tot Ion:106 Resp: 7295
Ion Ratio Lower Upper
106 100
91 213.4 107.9 323.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007054.D
Acq: 26 Nov 2018 18:06

Tgt Ion:152 Resp: 67591
Ion Ratio Lower Upper
152 100
115 61.9 31.4 94.2
150 158.7 0.0 353.4



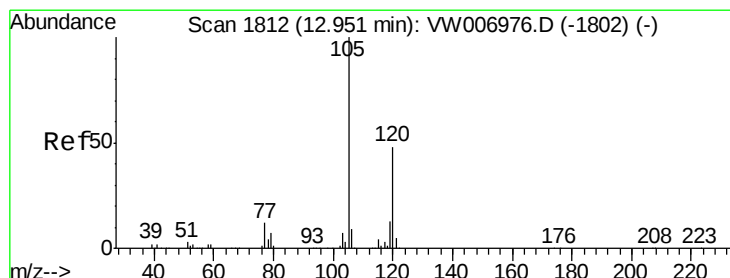
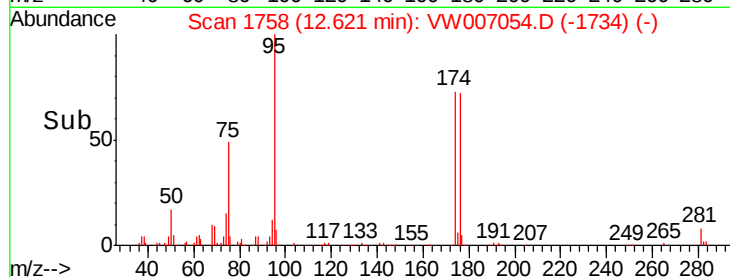
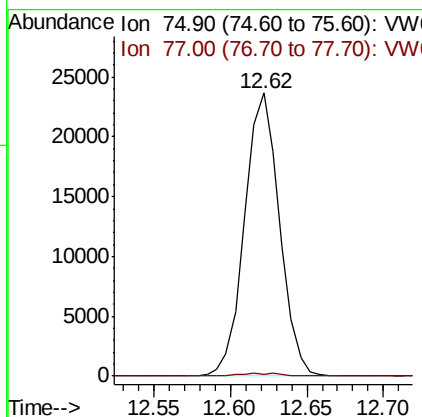
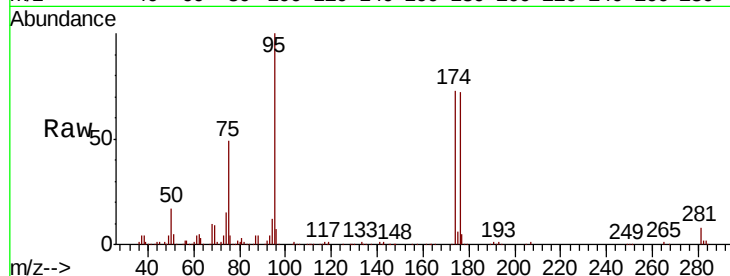


#76

1,2,3-Trichloropropane
Concen: 70.550 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW007054.D
Acq: 26 Nov 2018 18:06

Instrument :
MSVOA_W
ClientSampled :

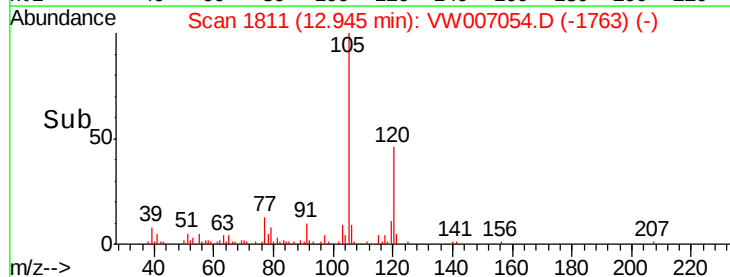
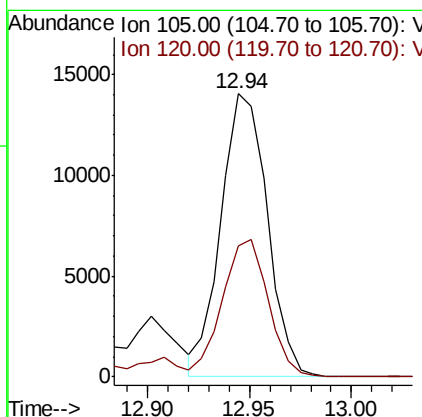
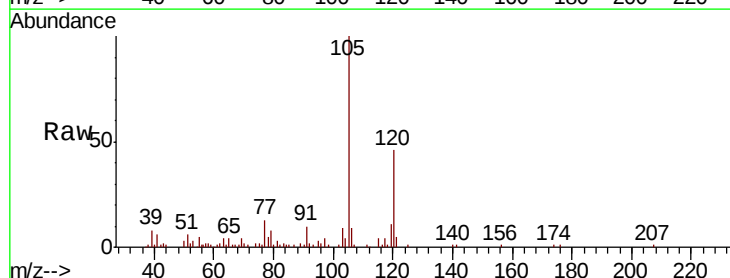
Tot Ion: 75 Resp: 37471
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

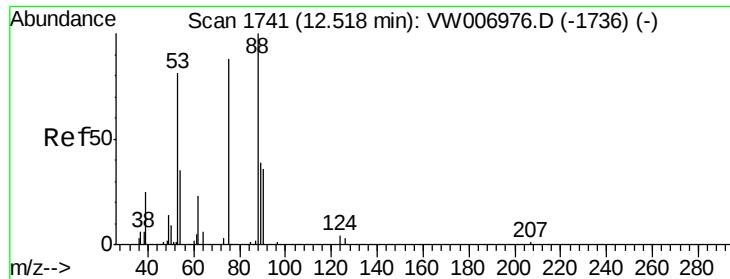


#80

1,3,5-Trimethylbenzene
Concen: 4.882 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.01 min
Lab File: VW007054.D
Acq: 26 Nov 2018 18:06

Tgt Ion: 105 Resp: 22176
Ion Ratio Lower Upper
105 100
120 47.8 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 177.123 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007054.D

Acq: 26 Nov 2018 18:06

Instrument :

MSVOA_W

ClientSampleId :

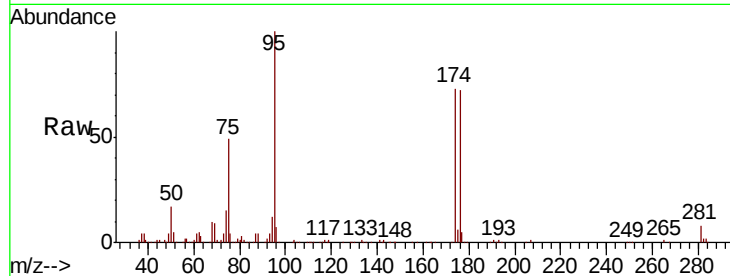
Tot Ion: 75 Resp: 37471

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

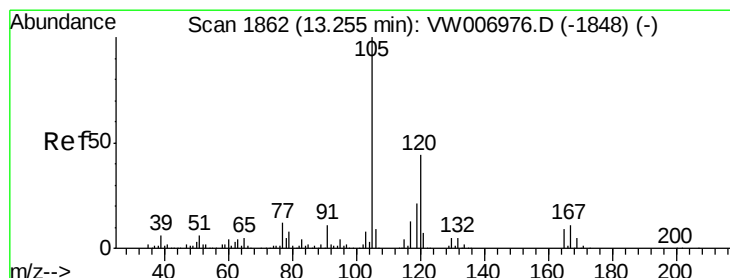
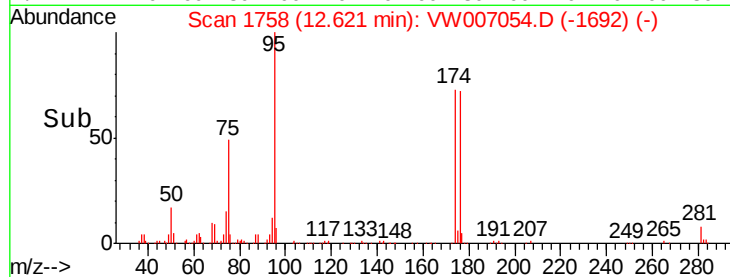
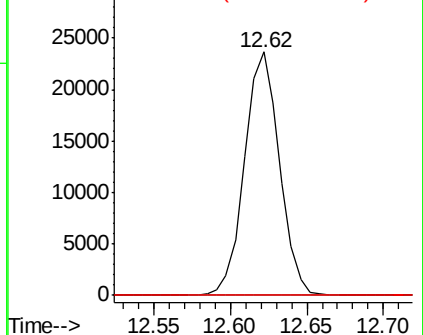
89 0.0 39.3 58.9#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.639 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW007054.D

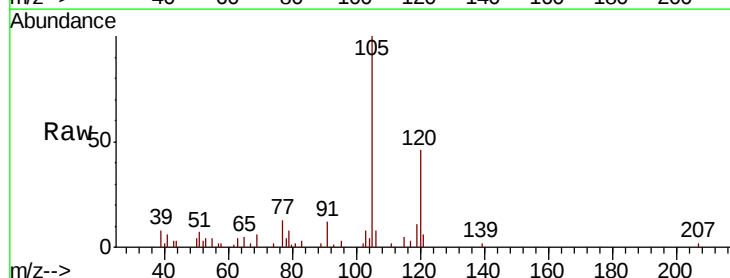
Acq: 26 Nov 2018 18:06

Tgt Ion: 105 Resp: 7420

Ion Ratio Lower Upper

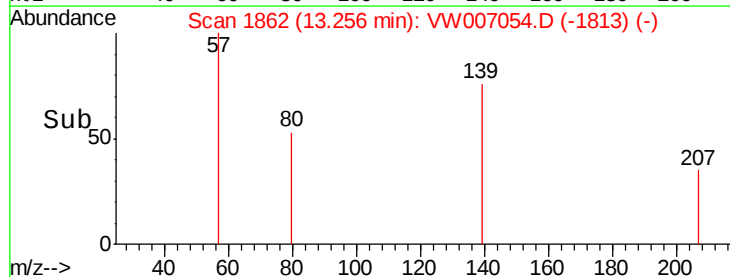
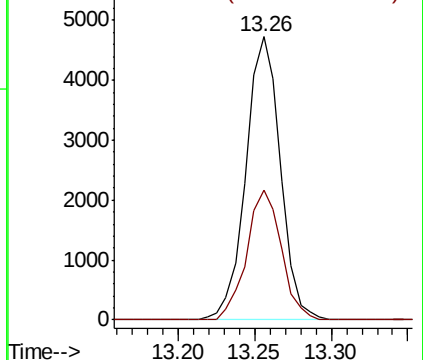
105 100

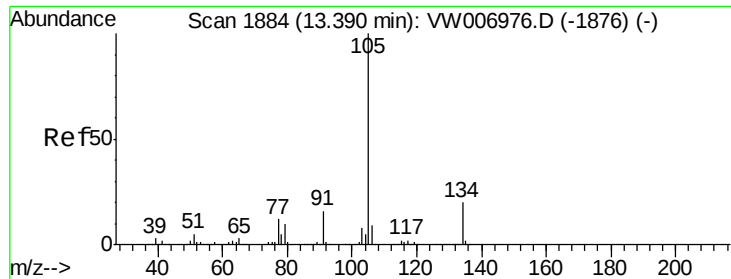
120 45.8 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.335 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.13 min

Lab File: VW007054.D

Acq: 26 Nov 2018 18:06

Instrument :

MSVOA_W

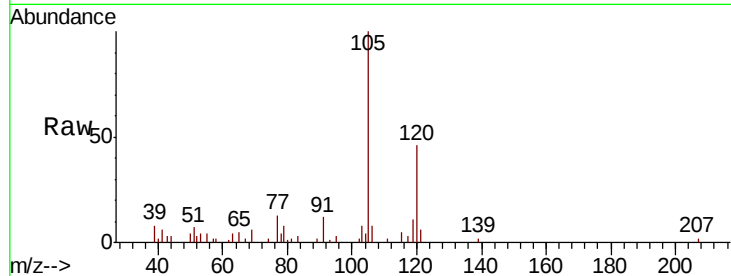
ClientSampled :

Tot Ion:105 Resp: 7420

Ion Ratio Lower Upper

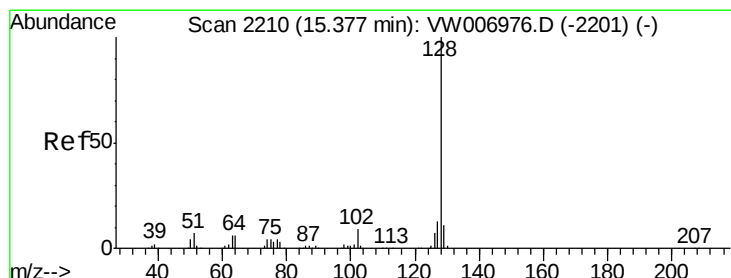
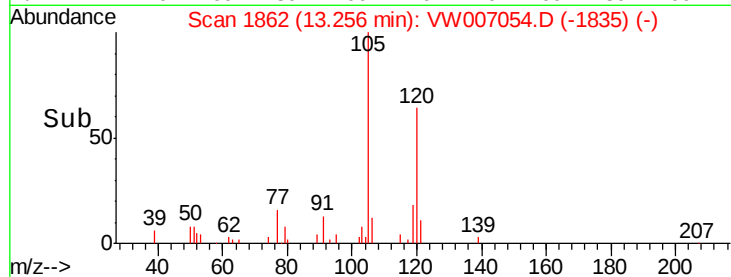
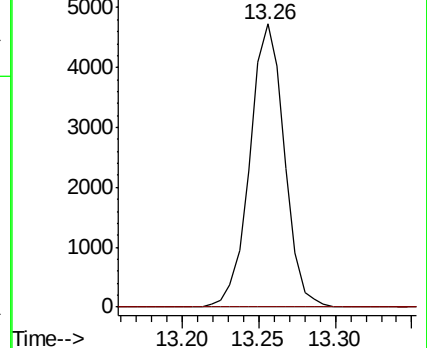
105 100

134 0.0 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 30.837 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW007054.D

Acq: 26 Nov 2018 18:06

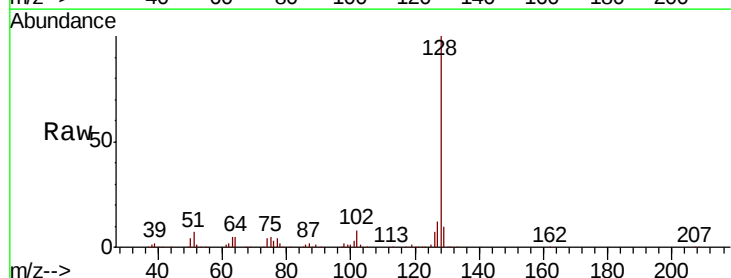
Tgt Ion:128 Resp: 74498

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

129 10.4 8.7 13.1



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

