

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
 Data File : VW005672.D
 Acq On : 26 Sep 2018 23:43
 Operator : VA/AP
 Sample : J5099-01
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 7211975

Quant Time: Sep 27 06:57:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	79701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	115582	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	99780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	45987	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	36459	38.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	77.66%	
35) Dibromofluoromethane	7.89	113	30263	41.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	83.28%	
50) Toluene-d8	10.33	98	144771	48.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.84%	
62) 4-Bromofluorobenzene	12.62	95	45289	41.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.72%	

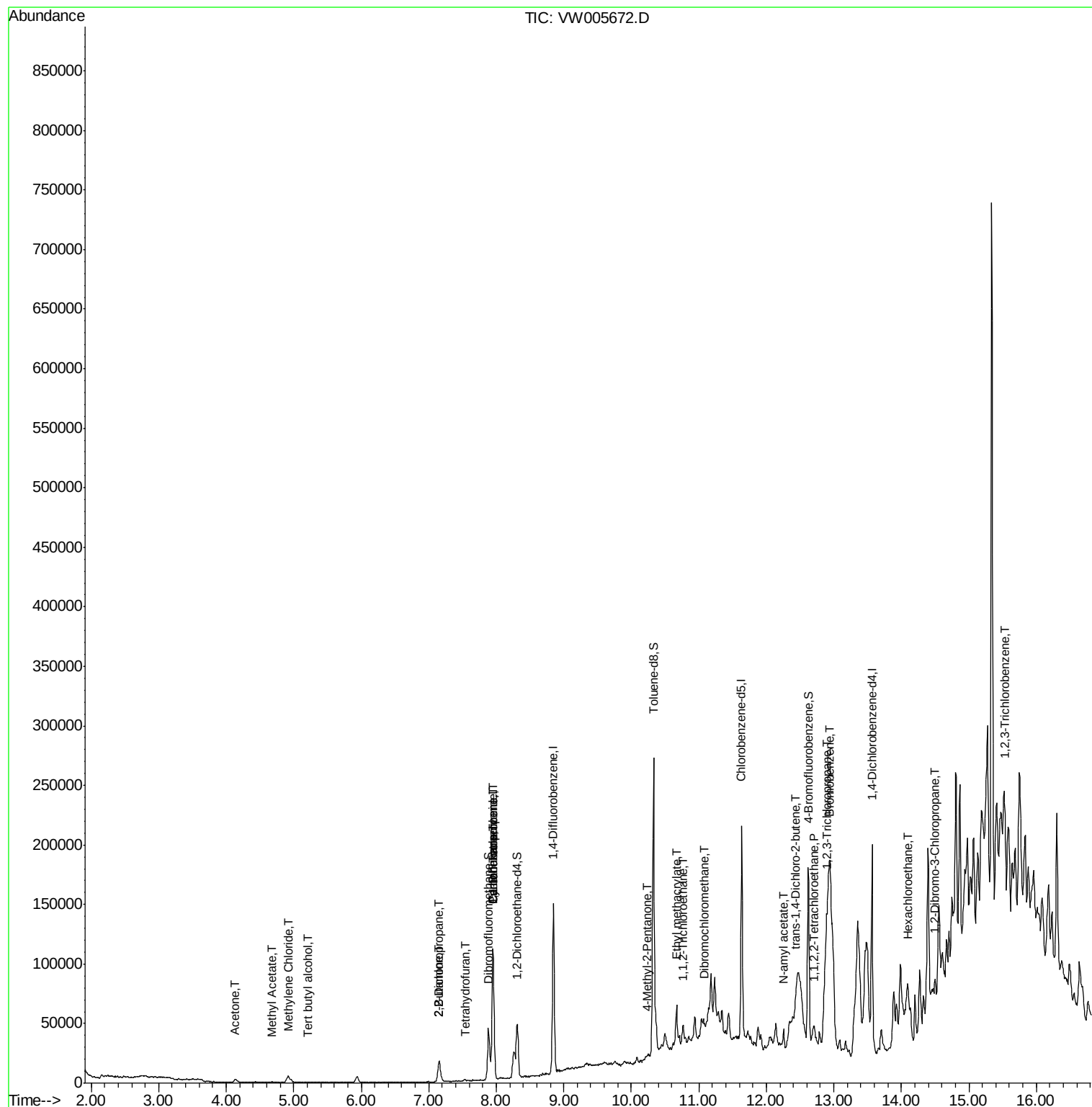
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.26	85	19	Below Cal	#	41
11) Tert butyl alcohol	5.21	59	553	9.122	ug/l #	72
13) Acrolein	3.62	56	26	Below Cal	#	13
16) Acetone	4.13	43	4781	23.854	ug/l #	88
18) Methyl Acetate	4.68	43	1178	2.647	ug/l #	71
20) Methylene Chloride	4.92	84	4330	1.330	ug/l	98
25) 2-Butanone	7.16	43	1232	5.402	ug/l #	50
26) 2,2-Dichloropropane	7.15	77	1355	1.277	ug/l #	54
29) Tetrahydrofuran	7.56	42	546	3.832	ug/l #	35
31) Cyclohexane	7.95	56	2226	1.529	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	6552	5.631	ug/l #	55
38) Carbon Tetrachloride	7.95	117	7979	6.400	ug/l #	15
51) 4-Methyl-2-Pentanone	10.23	43	914	1.885	ug/l	91
55) 1,1,2-Trichloroethane	10.76	97	6791	11.806	ug/l #	22
56) Ethyl methacrylate	10.67	69	4974	7.005	ug/l #	48
60) Dibromochloromethane	11.09	129	952	1.370	ug/l	56
74) N-amyl acetate	12.26	43	4168	5.772	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.69	83	2603	4.914	ug/l #	52
76) 1,2,3-Trichloropropane	12.90	75	2507	6.395	ug/l #	100
77) Bromobenzene	12.93	156	246502	329.787	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.43	75	1075	6.176	ug/l #	23
90) Hexachloroethane	14.10	117	1184	2.157	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.49	75	126	1.248	ug/l #	21
96) 1,2,3-Trichlorobenzene	15.54	180	1872	2.207	ug/l #	38

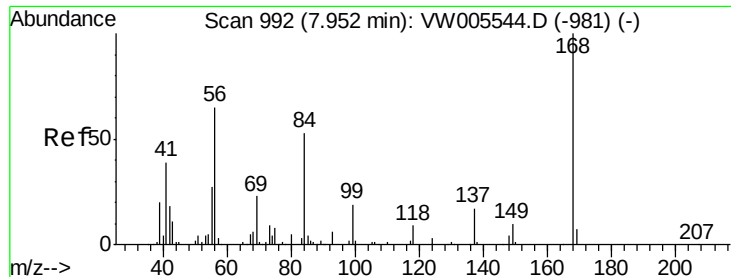
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
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Instrument :
MSVOA_W
ClientSampled :
7211975

Quant Time: Sep 27 06:57:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 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: VW005672.D

Acq: 26 Sep 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

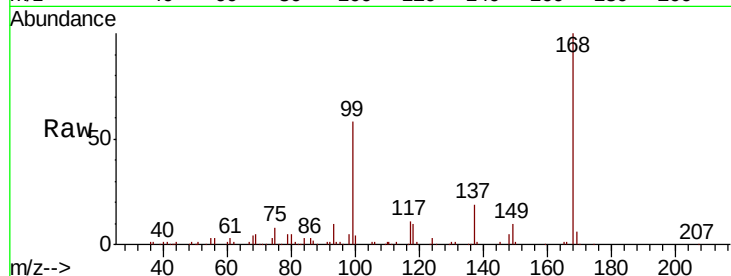
7211975

Tgt Ion:168 Resp: 79701

Ion Ratio Lower Upper

168 100

99 57.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

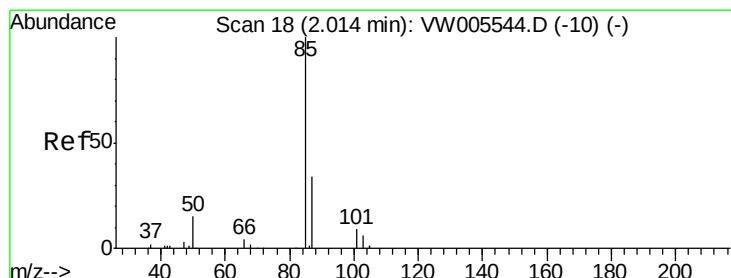
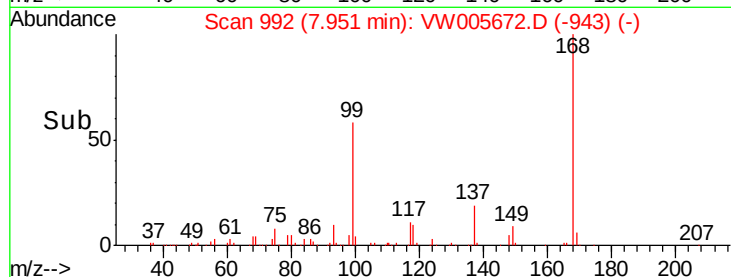
20000

10000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.26 min Scan# 59

Delta R.T. 0.25 min

Lab File: VW005672.D

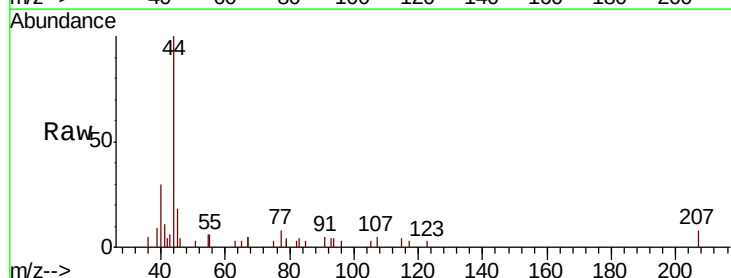
Acq: 26 Sep 2018 23:43

Tgt Ion: 85 Resp: 19

Ion Ratio Lower Upper

85 100

87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

60

50

40

30

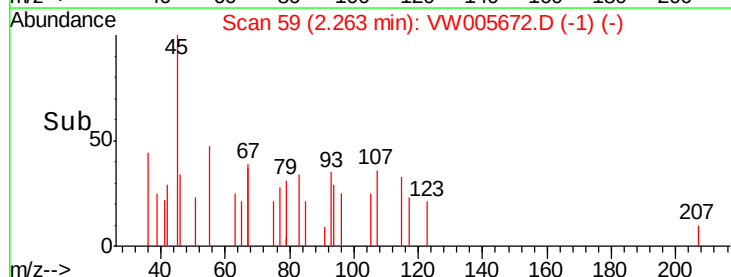
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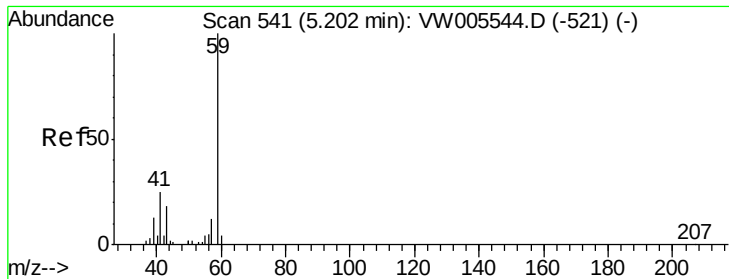
10

0

Time-->

2.24 2.25 2.26 2.27 2.28



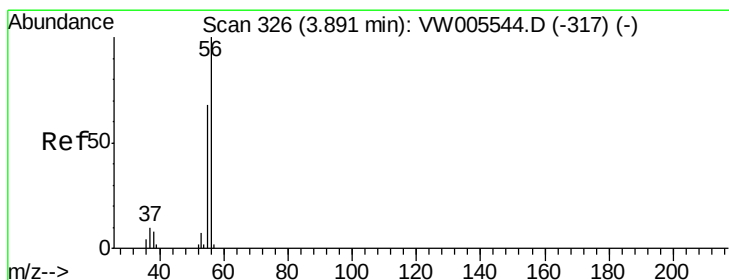
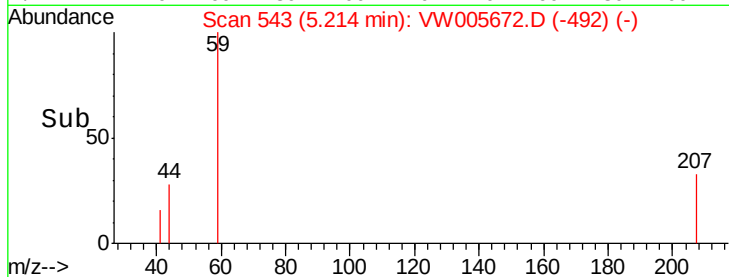
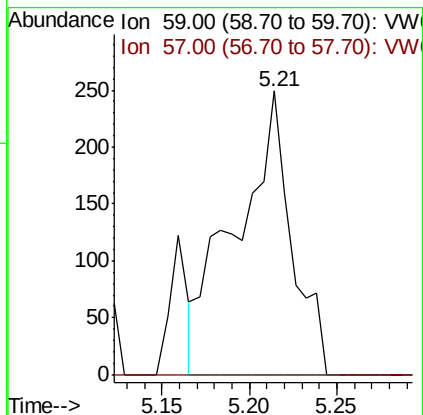
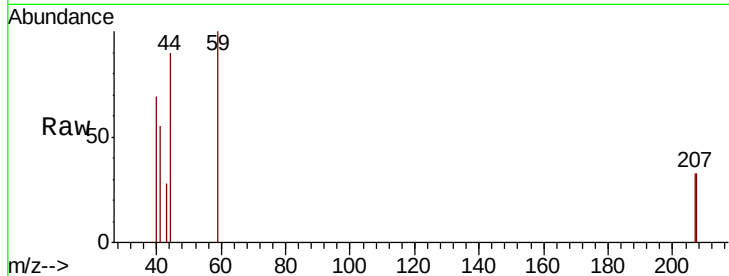


#11

Tert butyl alcohol
 Concen: 9.122 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. 0.01 min
 Lab File: VW005672.D
 Acq: 26 Sep 2018 23:43

Instrument :
 MSVOA_W
 ClientSampled :
 7211975

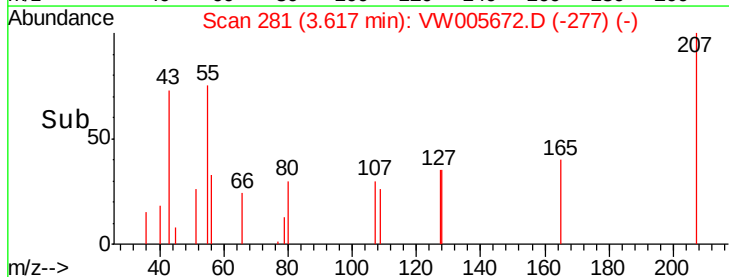
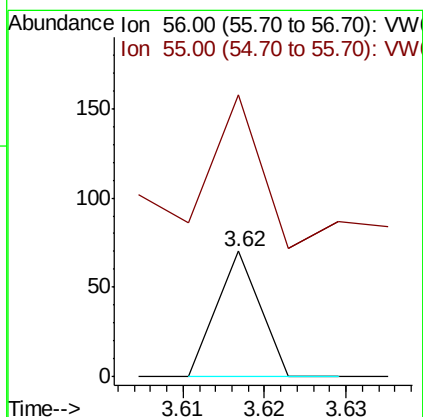
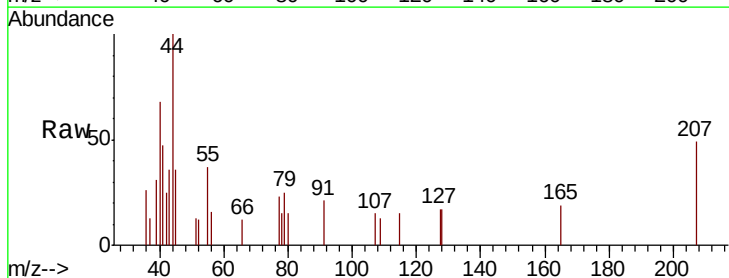
Tgt Ion: 59 Resp: 553
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

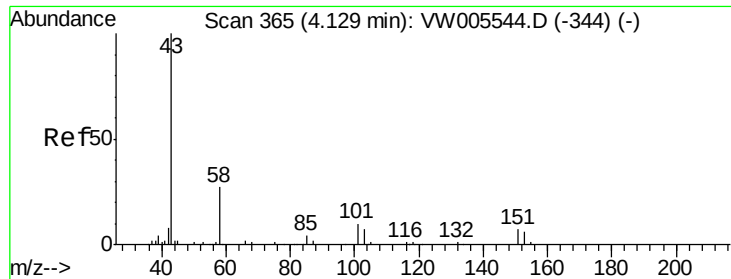


#13

Acrolein
 Concen: Below Cal
 RT: 3.62 min Scan# 281
 Delta R.T. -0.27 min
 Lab File: VW005672.D
 Acq: 26 Sep 2018 23:43

Tgt Ion: 56 Resp: 26
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.8 86.8#





#16

Acetone

Concen: 23.854 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005672.D

Acq: 26 Sep 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

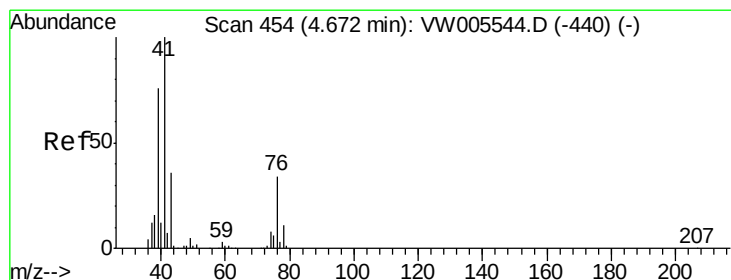
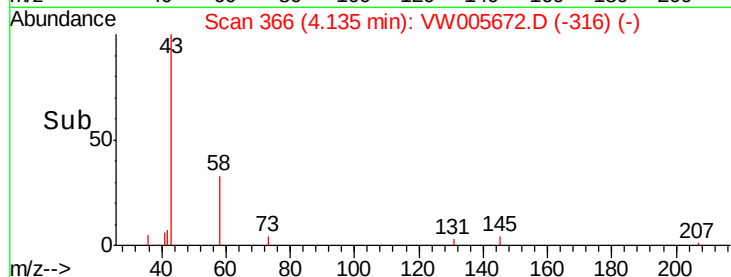
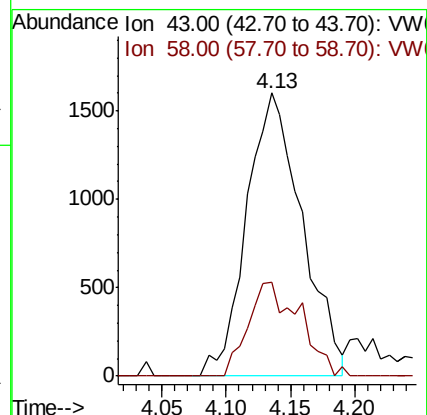
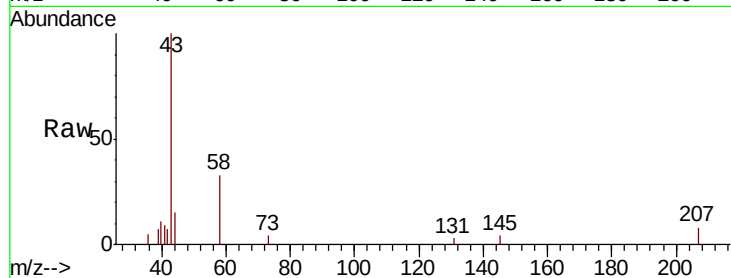
7211975

Tgt Ion: 43 Resp: 4781

Ion Ratio Lower Upper

43 100

58 33.4 21.8 32.8#



#18

Methyl Acetate

Concen: 2.647 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW005672.D

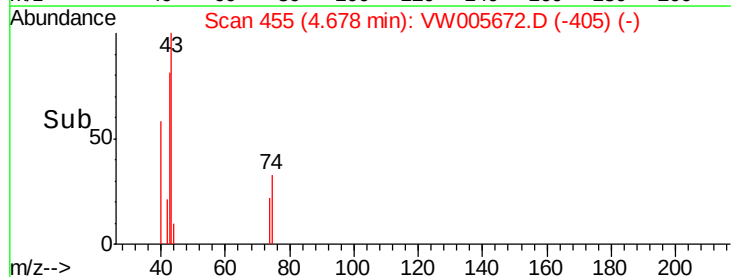
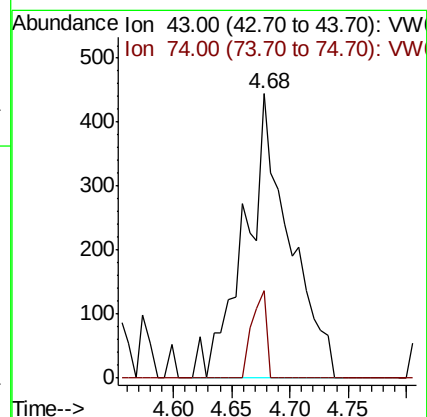
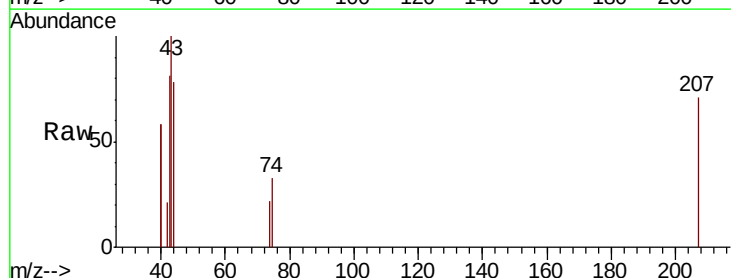
Acq: 26 Sep 2018 23:43

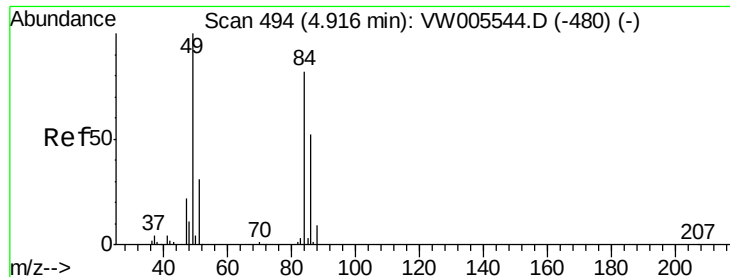
Tgt Ion: 43 Resp: 1178

Ion Ratio Lower Upper

43 100

74 9.9 19.2 28.8#

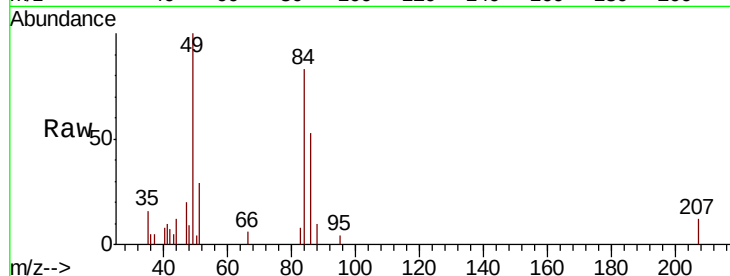




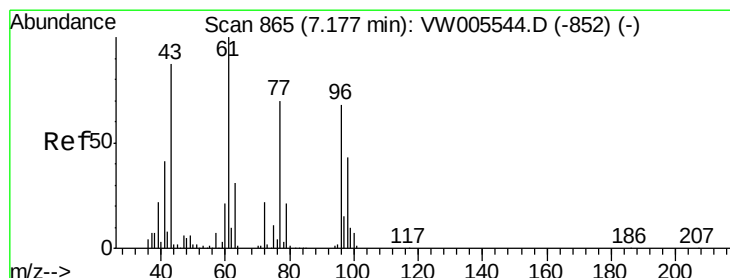
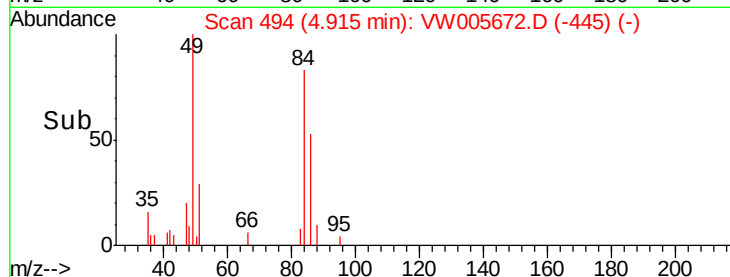
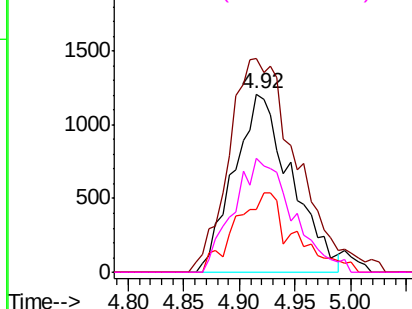
#20
Methylene Chloride
Concen: 1.330 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005672.D
Acq: 26 Sep 2018 23:43

Instrument :
MSVOA_W
ClientSampleId :
7211975

Tgt Ion: 84 Resp: 4330
Ion Ratio Lower Upper
84 100
49 119.9 97.0 145.6
51 35.1 30.2 45.2
86 63.6 50.2 75.4

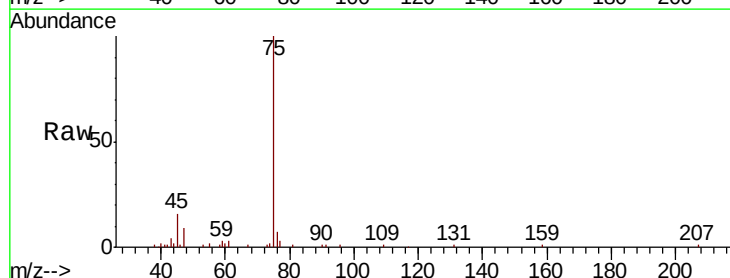


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

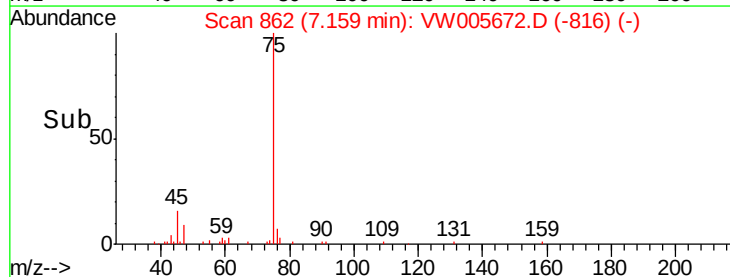
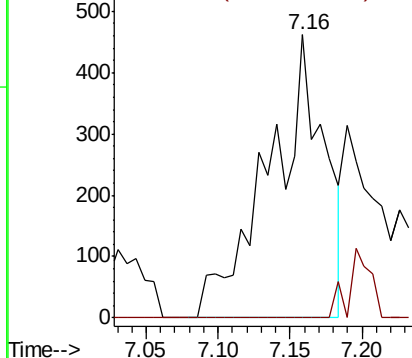


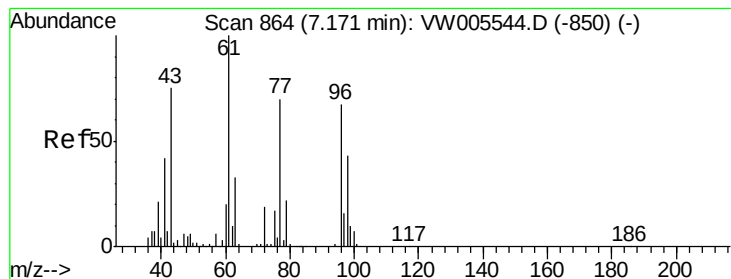
#25
2-Butanone
Concen: 5.402 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.02 min
Lab File: VW005672.D
Acq: 26 Sep 2018 23:43

Tgt Ion: 43 Resp: 1232
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 1.277 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW005672.D

Acq: 26 Sep 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

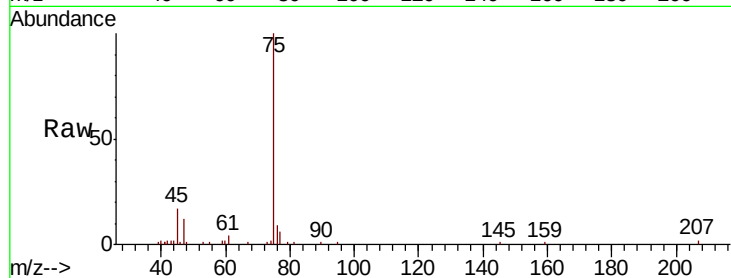
7211975

Tgt Ion: 77 Resp: 1355

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.15

600

500

400

300

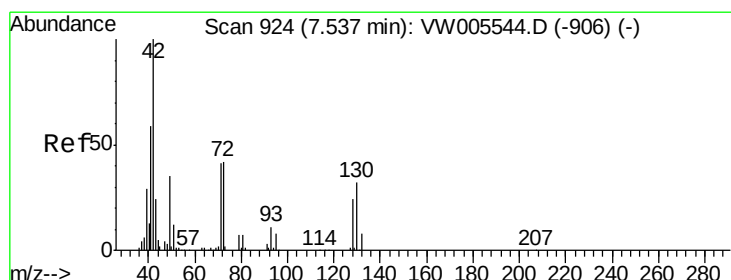
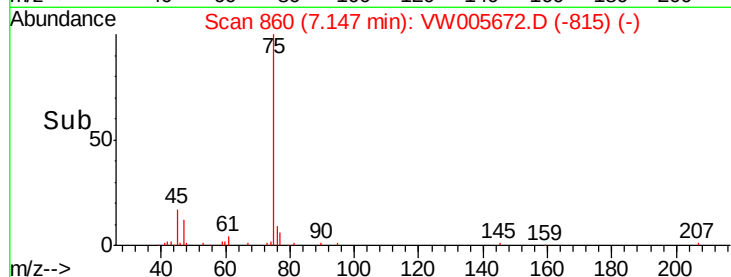
200

100

0

7.10 7.15 7.20

Time-->



#29

Tetrahydrofuran

Concen: 3.832 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW005672.D

Acq: 26 Sep 2018 23:43

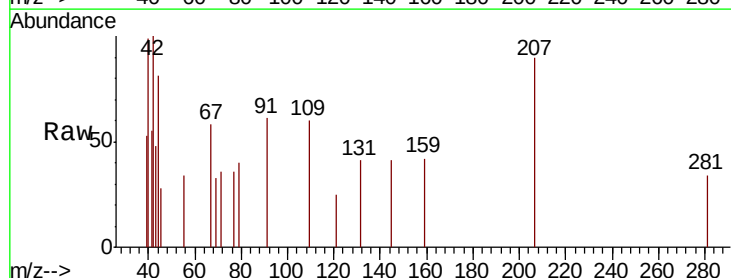
Tgt Ion: 42 Resp: 546

Ion Ratio Lower Upper

42 100

72 0.0 33.6 50.4#

71 0.0 31.8 47.6#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

7.56

250

200

150

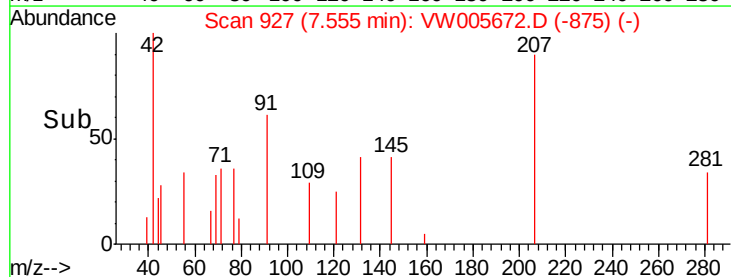
100

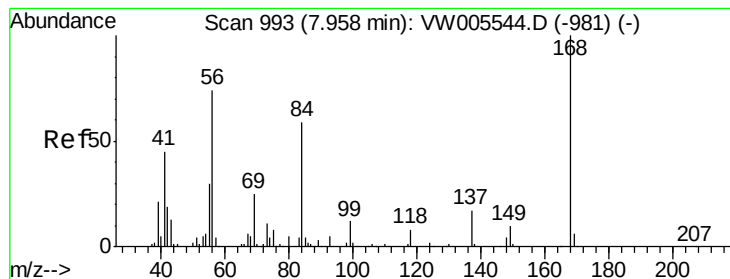
50

0

7.50 7.55 7.60

Time-->





#31

Cyclohexane

Concen: 1.529 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW005672.D

Acq: 26 Sep 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

7211975

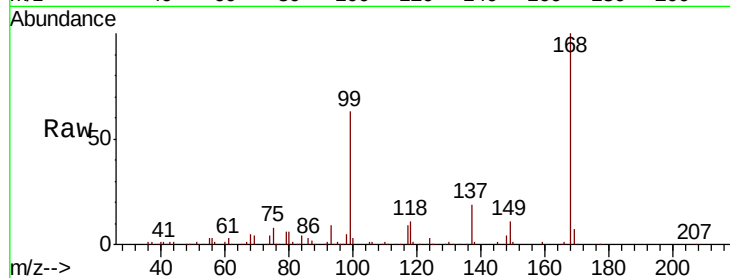
Tgt Ion: 56 Resp: 2226

Ion Ratio Lower Upper

56 100

69 114.5 27.0 40.4#

84 119.5 64.2 96.4#

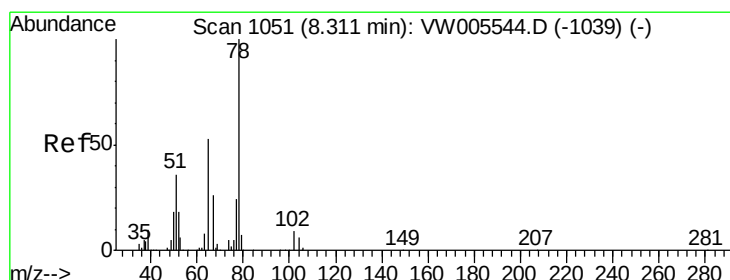
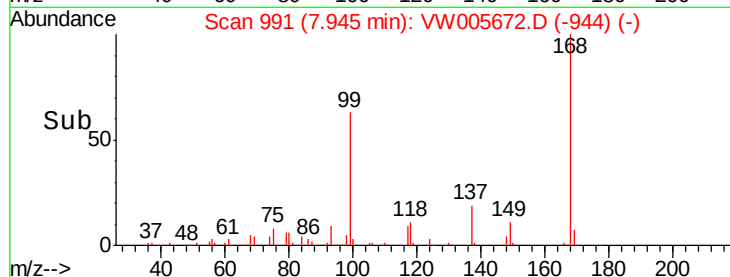
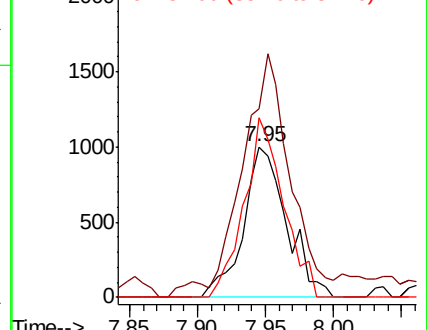


Abundance

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: 38.830 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005672.D

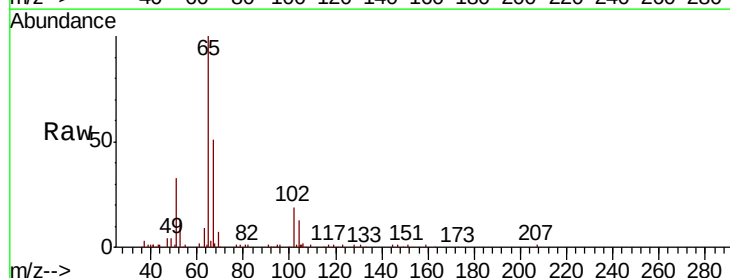
Acq: 26 Sep 2018 23:43

Tgt Ion: 65 Resp: 36459

Ion Ratio Lower Upper

65 100

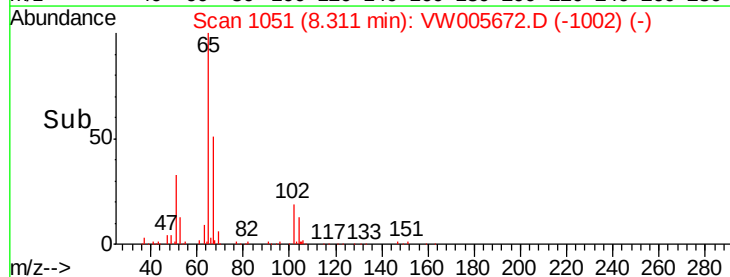
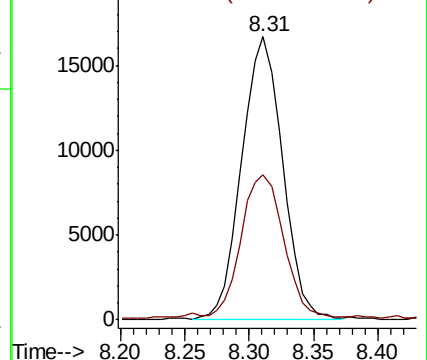
67 54.5 0.0 100.6

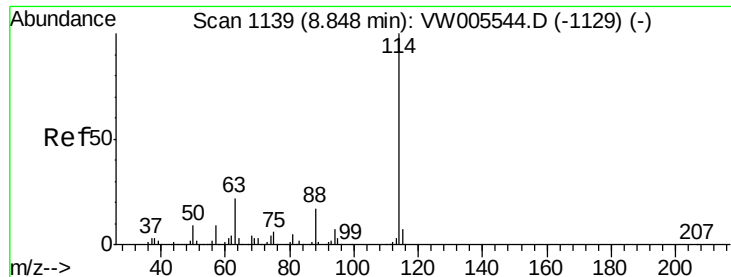


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

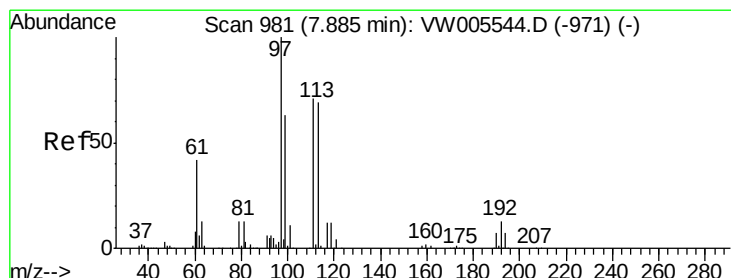
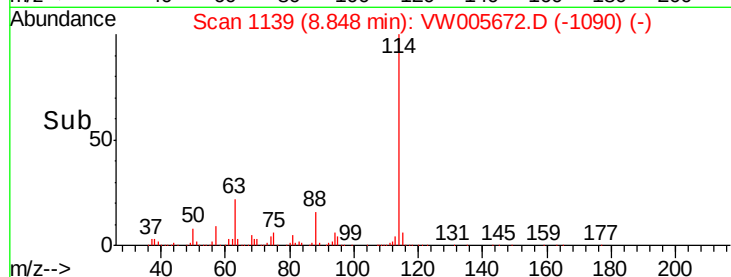
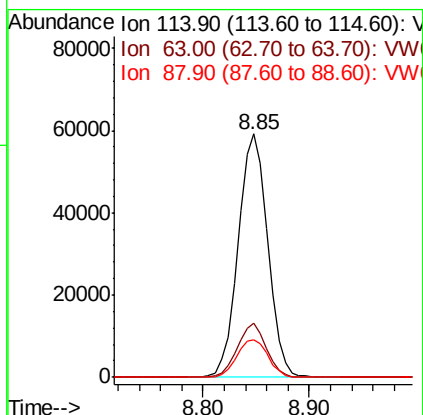
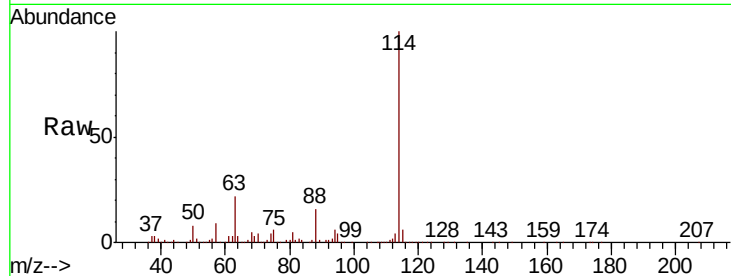




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005672.D
 Acq: 26 Sep 2018 23:43

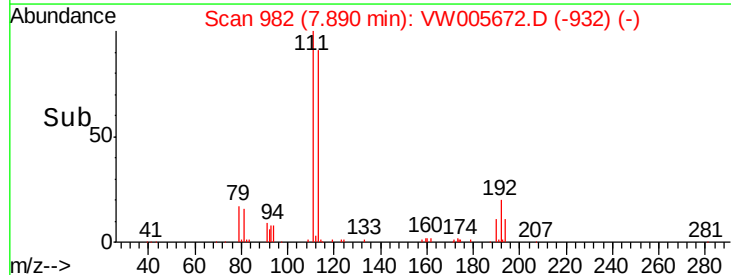
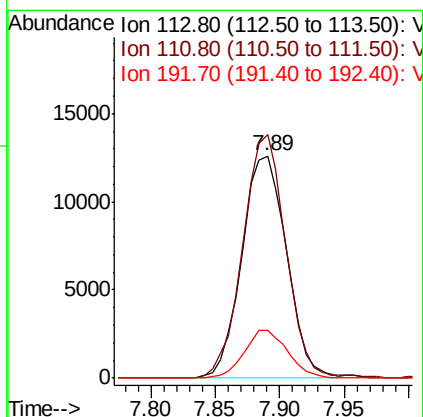
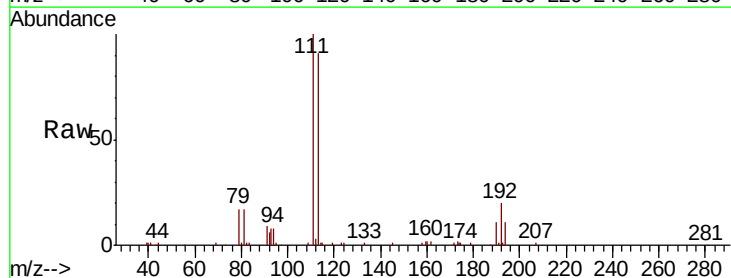
Instrument :
 MSVOA_W
 ClientSampleId :
 7211975

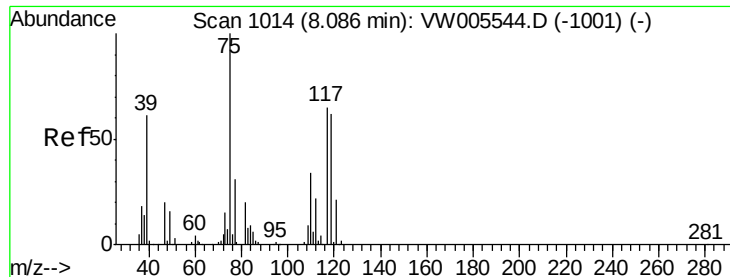
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.0
88	15.6	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 41.636 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005672.D
 Acq: 26 Sep 2018 23:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.2	82.6	123.8
192	21.0	17.0	25.4

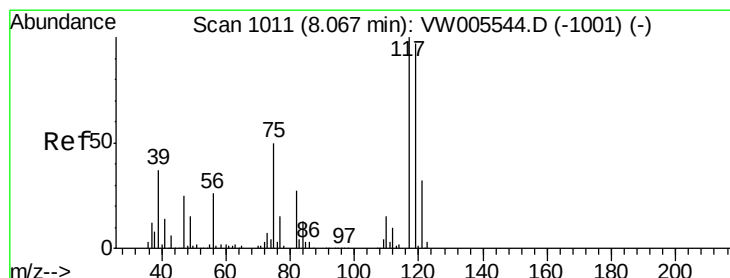
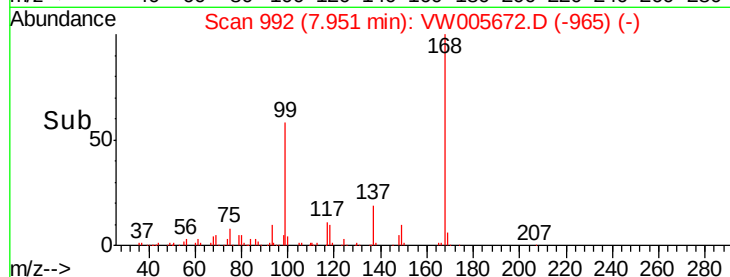
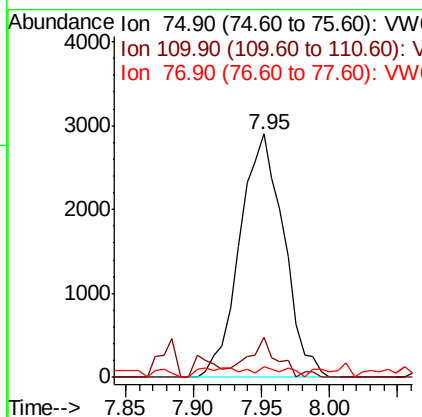
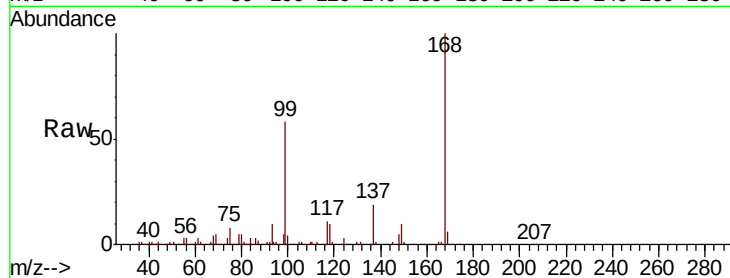




#36
 1,1-Dichloropropene
 Concen: 5.631 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005672.D
 Acq: 26 Sep 2018 23:43

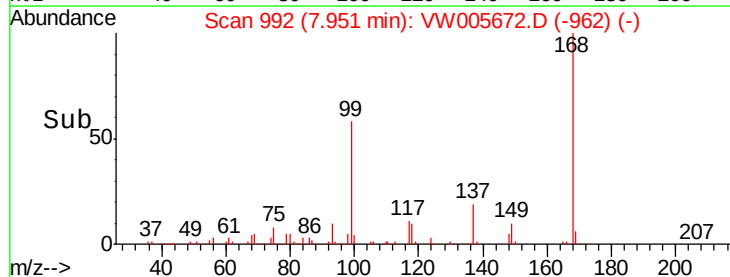
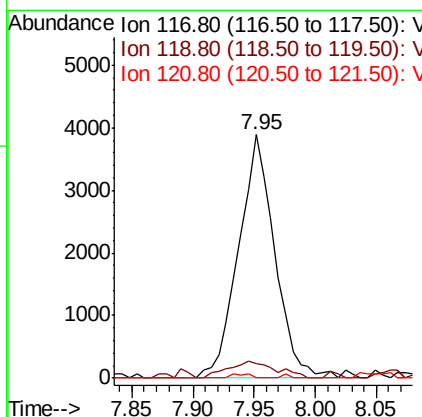
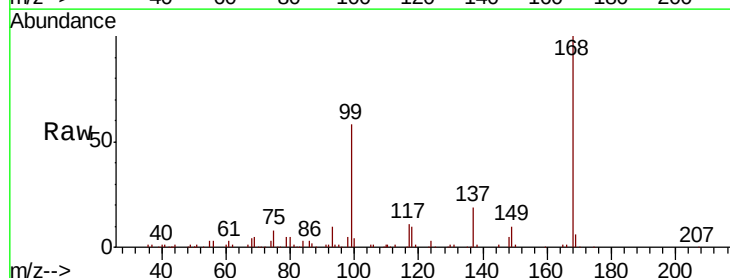
Instrument :
 MSVOA_W
 ClientSampleId :
 7211975

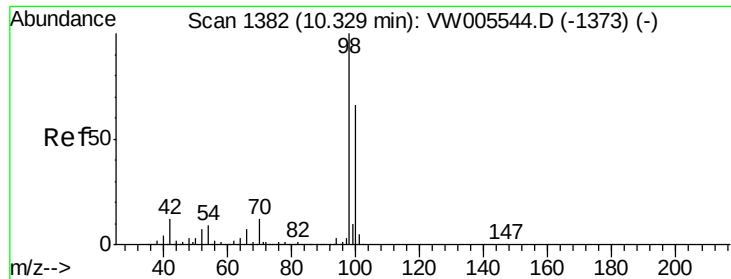
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.3	17.0	50.9#
77	2.7	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.400 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005672.D
 Acq: 26 Sep 2018 23:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	77.6	116.4#
121	0.0	25.7	38.5#





#50

Toluene-d8

Concen: 48.916 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005672.D

Acq: 26 Sep 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

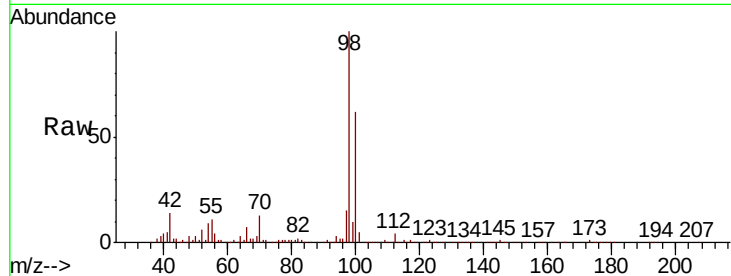
7211975

Tgt Ion: 98 Resp: 144771

Ion Ratio Lower Upper

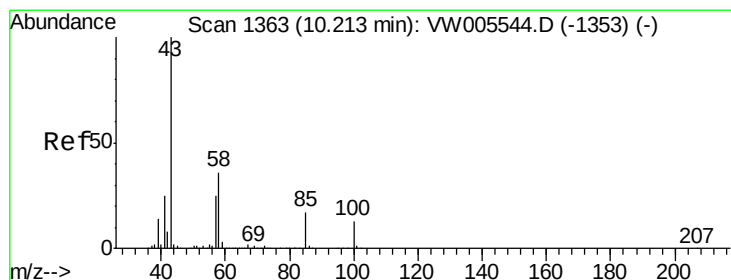
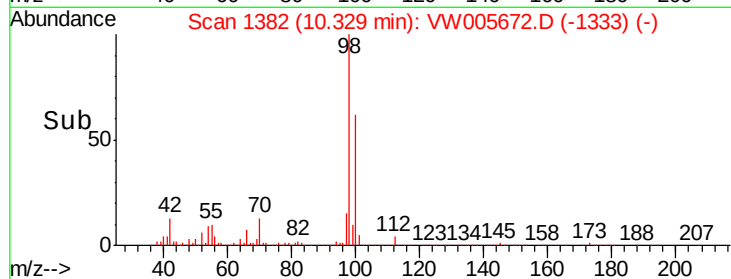
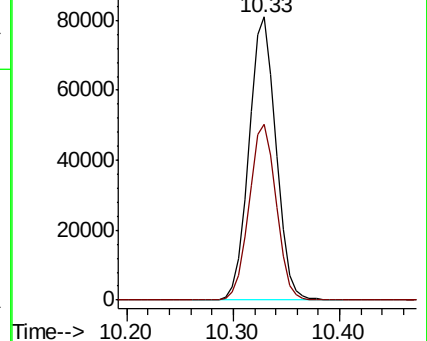
98 100

100 62.2 51.6 77.4



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: 1.885 ug/l

RT: 10.23 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VW005672.D

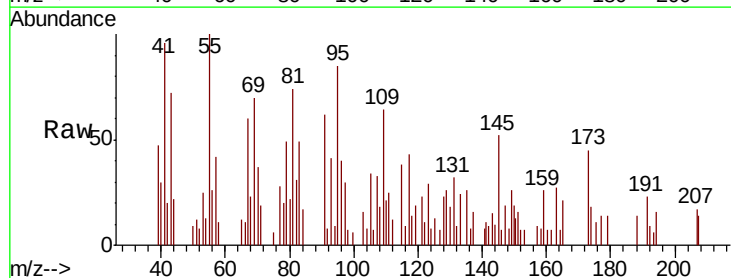
Acq: 26 Sep 2018 23:43

Tgt Ion: 43 Resp: 914

Ion Ratio Lower Upper

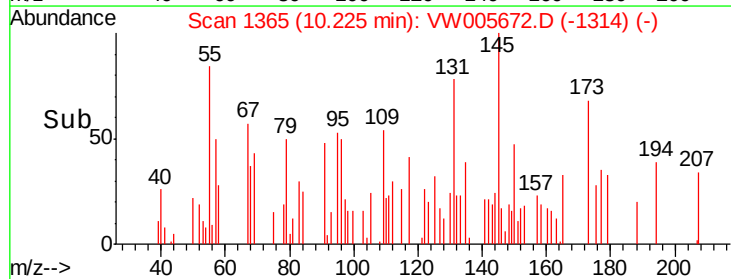
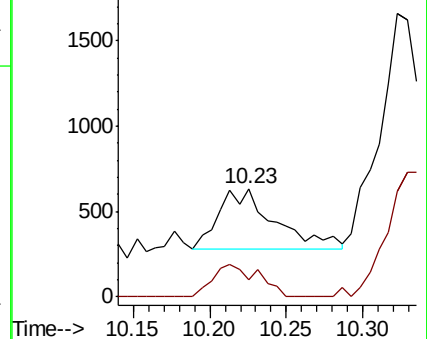
43 100

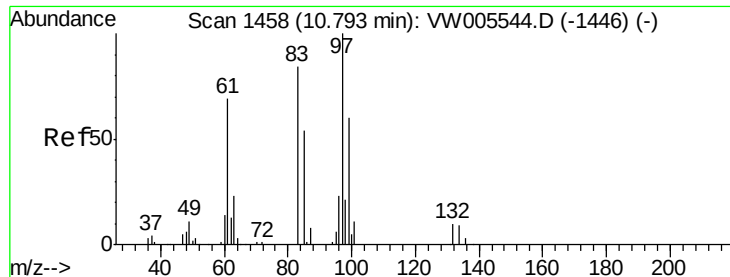
58 42.7 30.0 45.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#55

1,1,2-Trichloroethane

Concen: 11.806 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.03 min

Lab File: VW005672.D

Acq: 26 Sep 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

7211975

Tgt Ion: 97 Resp: 6791

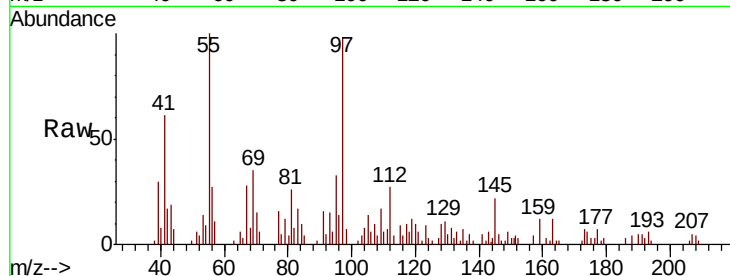
Ion Ratio Lower Upper

97 100

83 9.1 67.4 101.2#

85 4.3 43.3 64.9#

99 0.0 48.0 72.0#

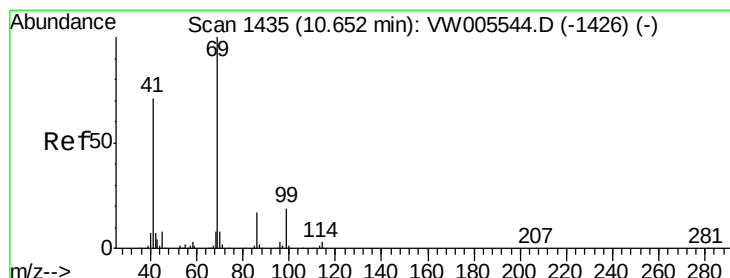
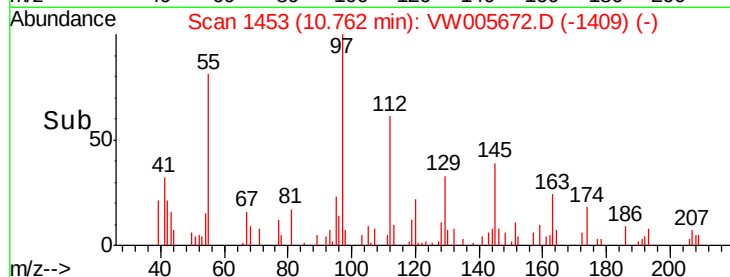
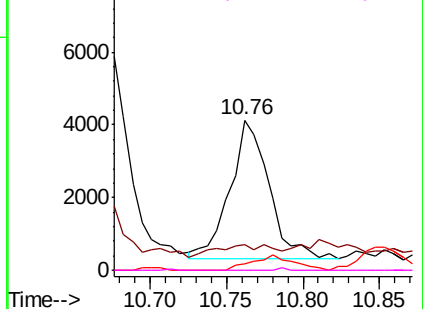


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 7.005 ug/l

RT: 10.67 min Scan# 1438

Delta R.T. 0.02 min

Lab File: VW005672.D

Acq: 26 Sep 2018 23:43

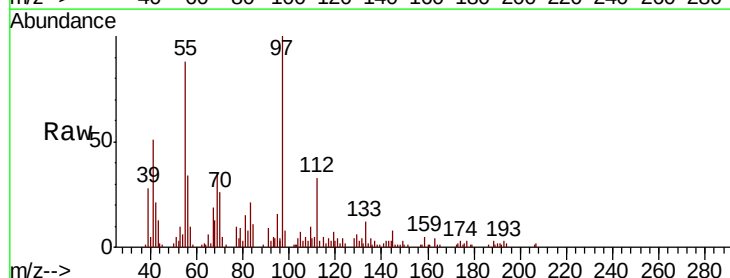
Tgt Ion: 69 Resp: 4974

Ion Ratio Lower Upper

69 100

41 116.7 57.3 85.9#

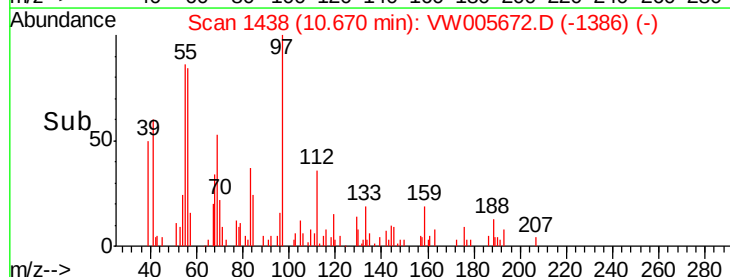
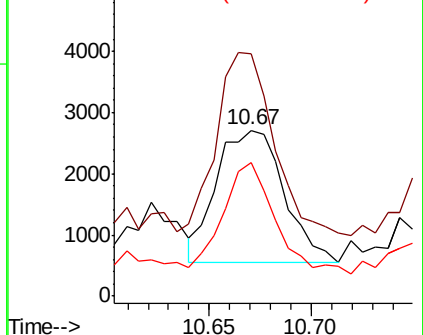
39 64.6 29.2 43.8#

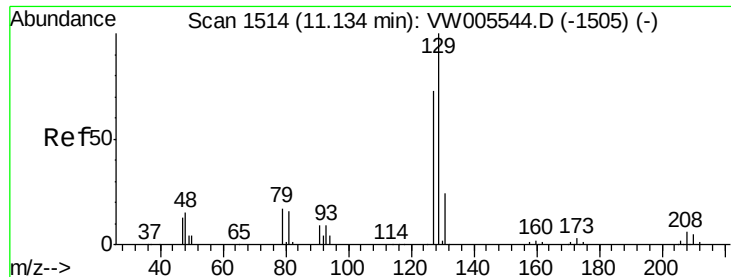


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

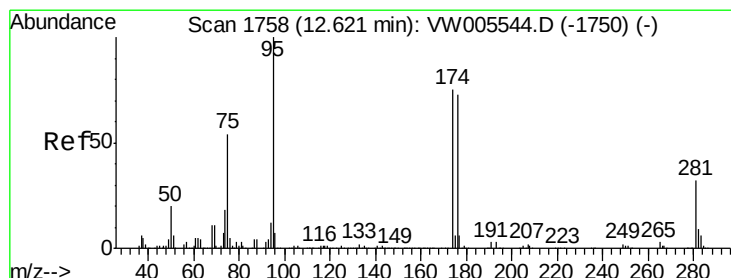
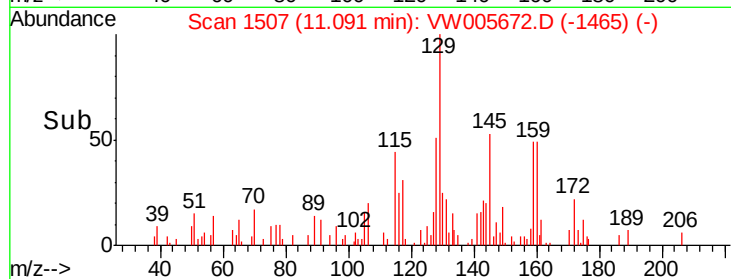
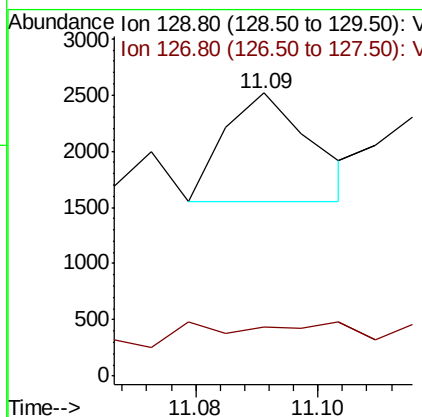
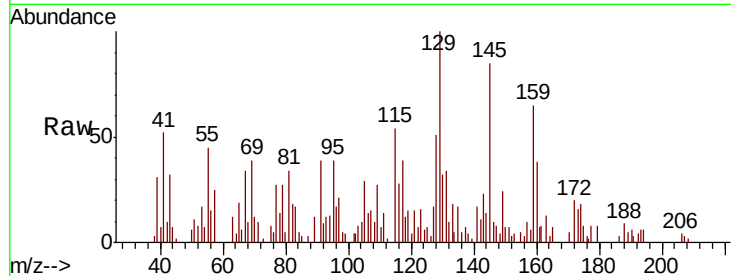




#60
Dibromochloromethane
Concen: 1.370 ug/l
RT: 11.09 min Scan# 1507
Delta R.T. -0.04 min
Lab File: VW005672.D
Acq: 26 Sep 2018 23:43

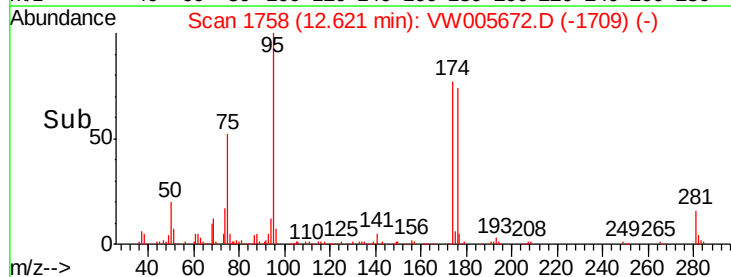
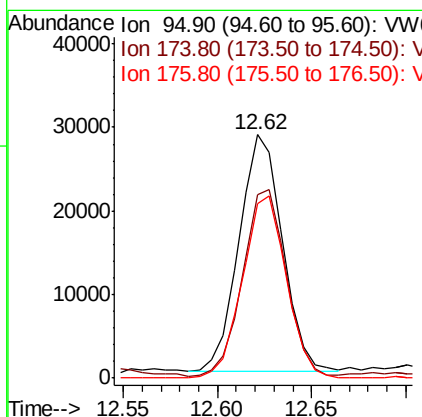
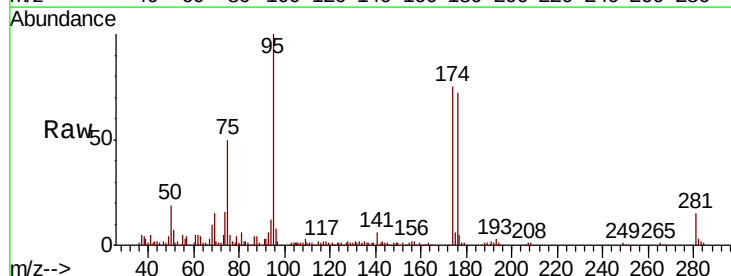
Instrument :
MSVOA_W
ClientSampleId :
7211975

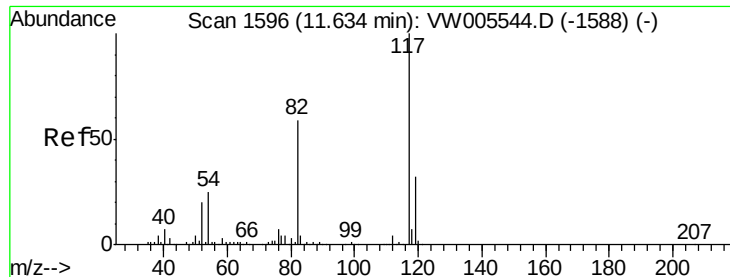
Tgt Ion: 129 Resp: 952
Ion Ratio Lower Upper
129 100
127 38.6 38.5 115.5



#62
4-Bromofluorobenzene
Concen: 41.355 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005672.D
Acq: 26 Sep 2018 23:43

Tgt Ion: 95 Resp: 45289
Ion Ratio Lower Upper
95 100
174 78.6 0.0 163.8
176 77.6 0.0 158.0

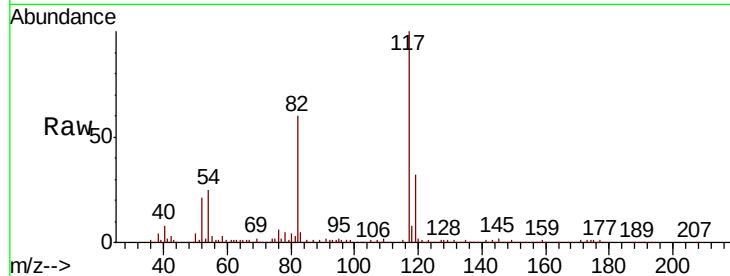




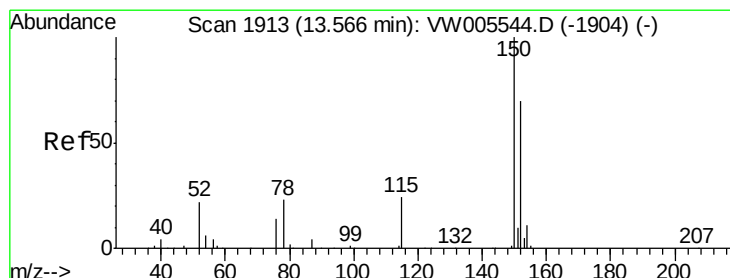
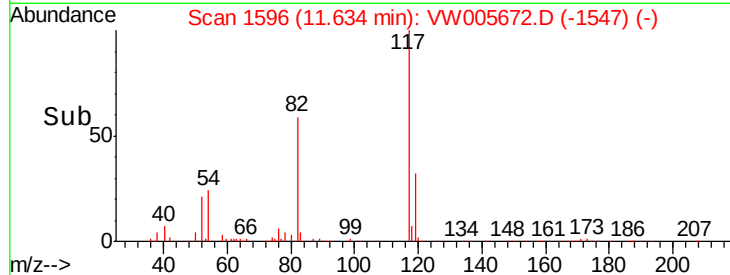
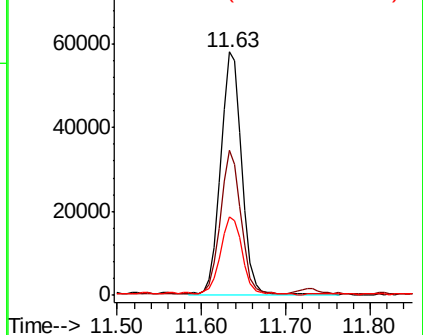
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005672.D
Acq: 26 Sep 2018 23:43

Instrument :
MSVOA_W
ClientSampleId :
7211975

Tgt Ion:117 Resp: 99780
Ion Ratio Lower Upper
117 100
82 59.0 46.9 70.3
119 31.8 25.7 38.5

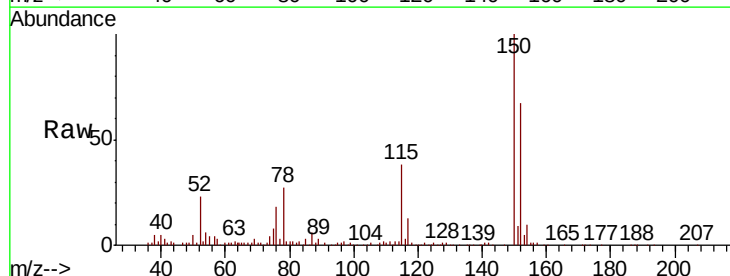


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

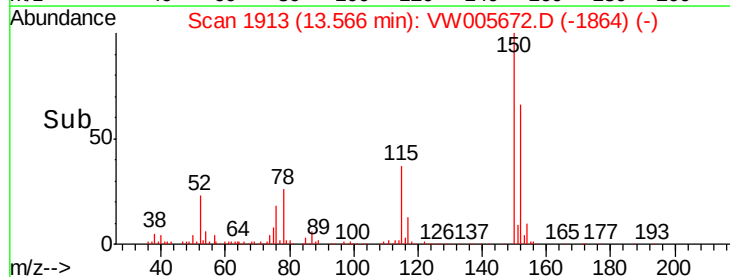
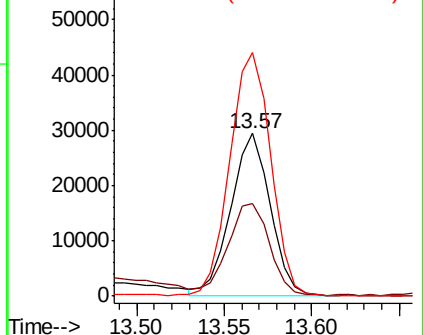


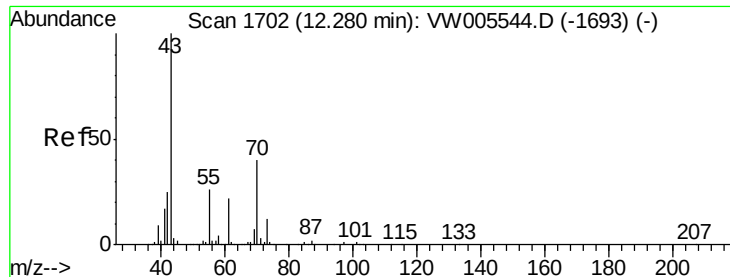
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005672.D
Acq: 26 Sep 2018 23:43

Tgt Ion:152 Resp: 45987
Ion Ratio Lower Upper
152 100
115 59.7 30.0 90.0
150 156.7 0.0 348.6



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-amyI acetate

Concen: 5.772 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW005672.D

Acq: 26 Sep 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :
7211975

Tgt Ion: 43 Resp: 4168

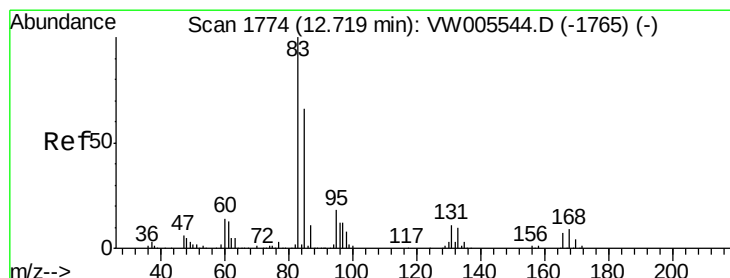
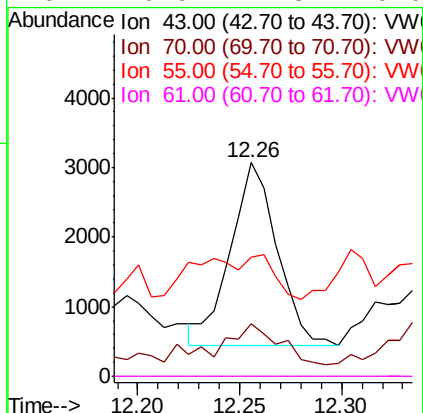
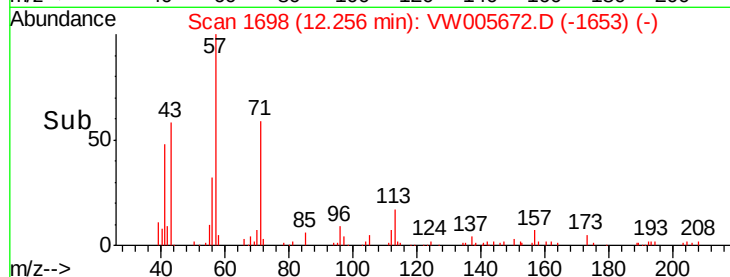
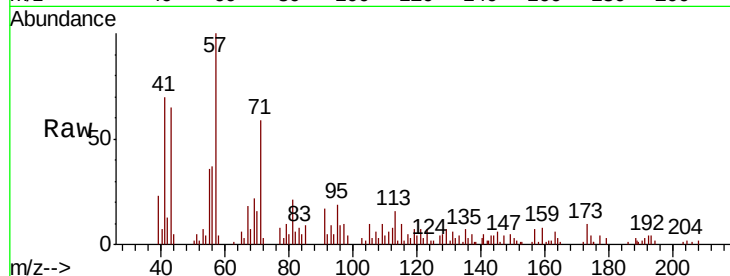
Ion Ratio Lower Upper

43 100

70 22.8 31.4 47.0#

55 0.0 20.9 31.3#

61 0.0 17.8 26.6#



#75

1,1,2,2-Tetrachloroethane

Concen: 4.914 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW005672.D

Acq: 26 Sep 2018 23:43

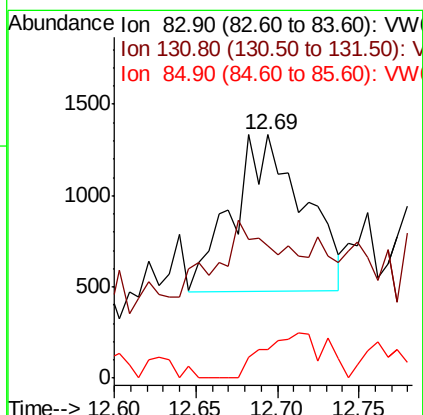
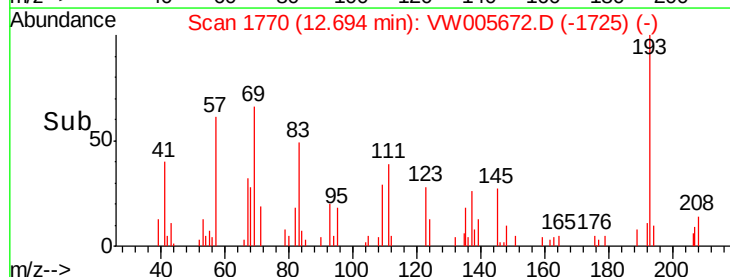
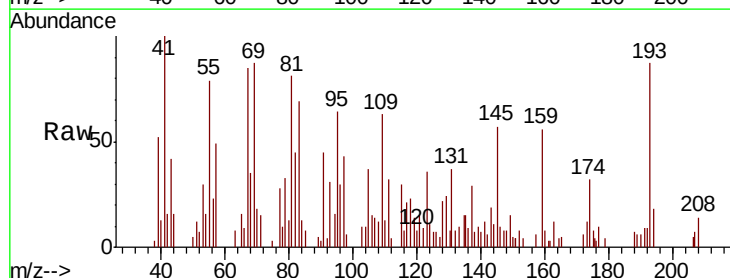
Tgt Ion: 83 Resp: 2603

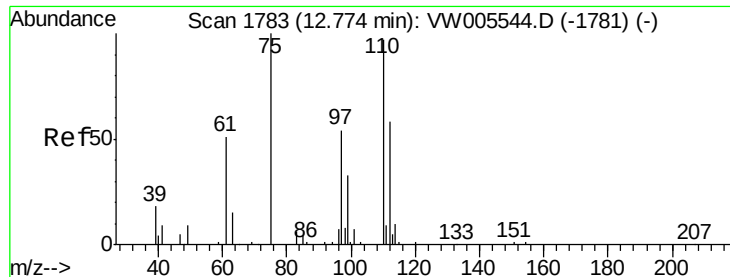
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

85 24.6 32.4 97.0#

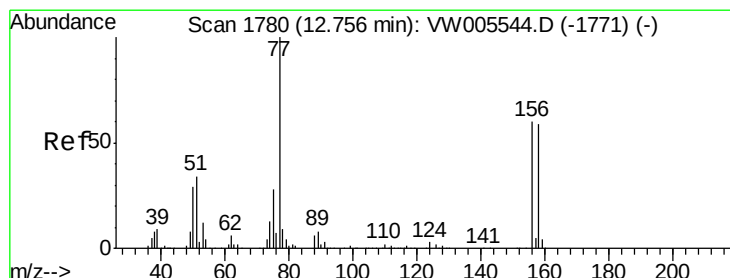
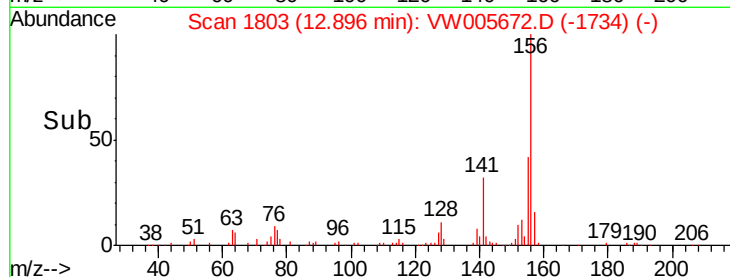
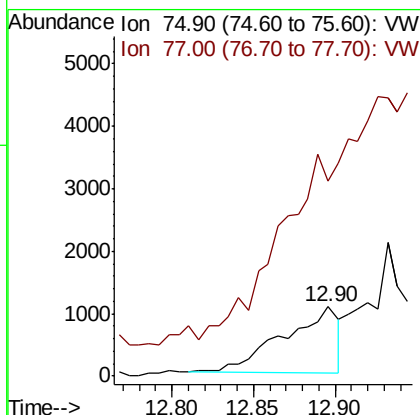
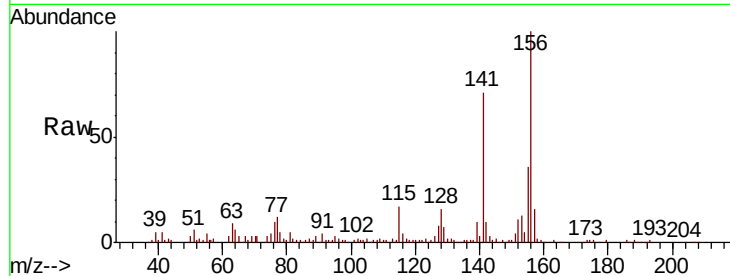




#76
 1,2,3-Trichloropropane
 Concen: 6.395 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.12 min
 Lab File: VW005672.D
 Acq: 26 Sep 2018 23:43

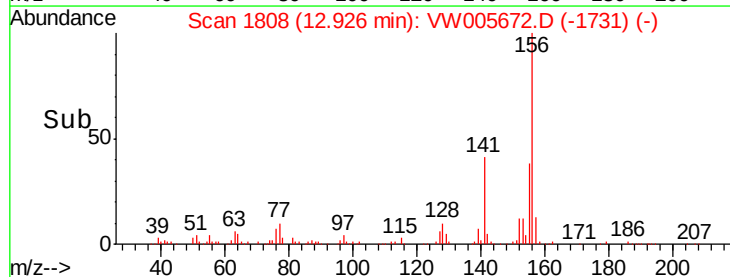
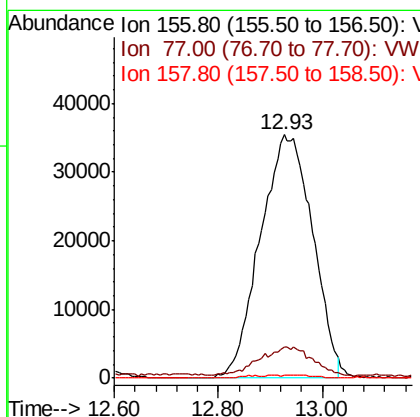
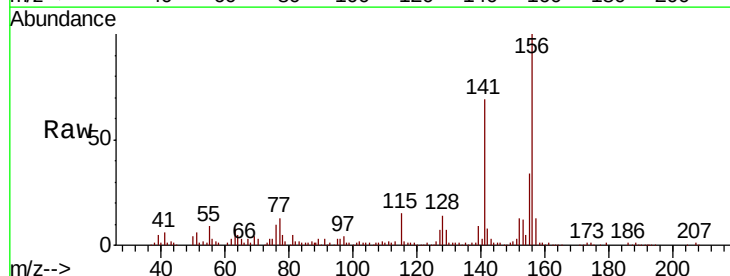
Instrument :
 MSVOA_W
 ClientSampleID :
 7211975

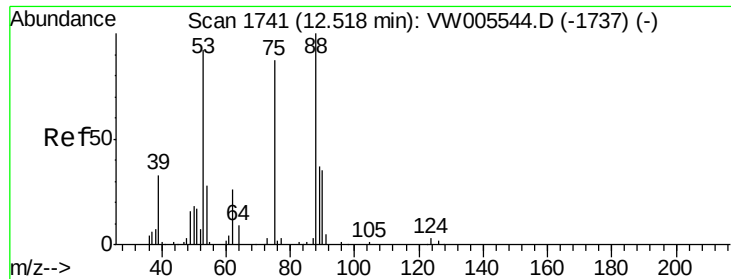
Tgt Ion: 75 Resp: 2507
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 329.787 ug/l
 RT: 12.93 min Scan# 1808
 Delta R.T. 0.17 min
 Lab File: VW005672.D
 Acq: 26 Sep 2018 23:43

Tgt Ion: 156 Resp: 246502
 Ion Ratio Lower Upper
 156 100
 77 10.5 94.7 284.1#
 158 0.0 48.0 144.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 6.176 ug/l

RT: 12.43 min Scan# 1727

Delta R.T. -0.09 min

Lab File: VW005672.D

Acq: 26 Sep 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

7211975

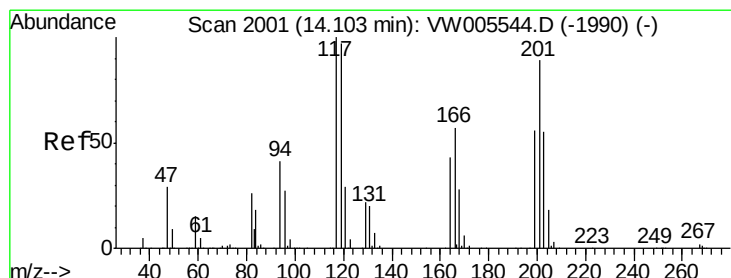
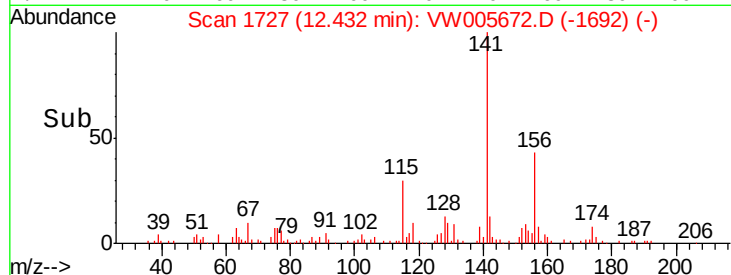
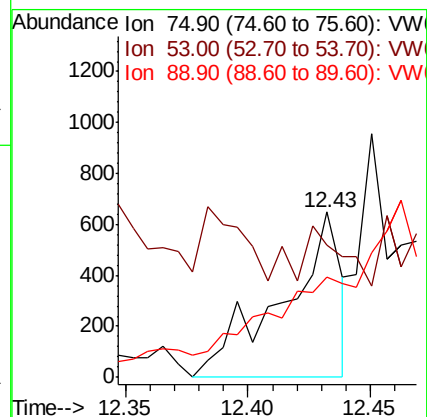
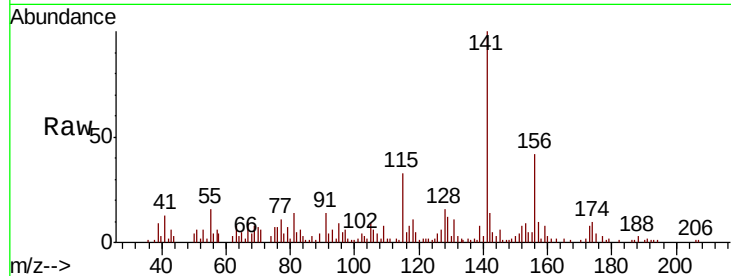
Tgt Ion: 75 Resp: 1075

Ion Ratio Lower Upper

75 100

53 23.3 85.8 128.6#

89 0.0 37.3 55.9#



#90

Hexachloroethane

Concen: 2.157 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005672.D

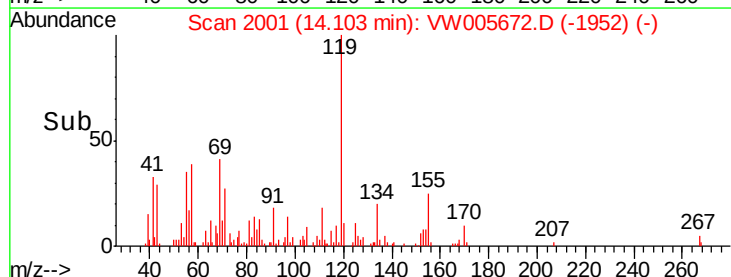
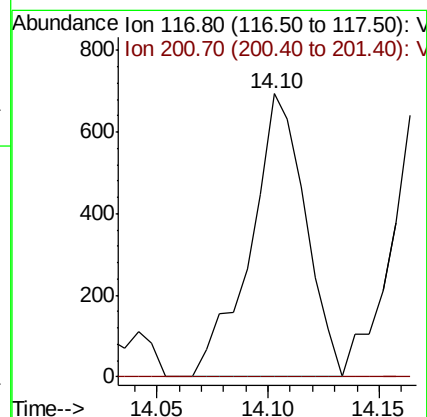
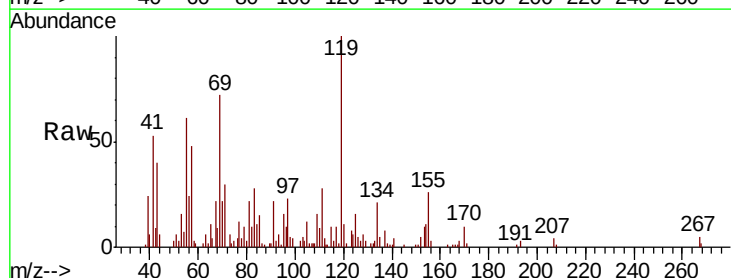
Acq: 26 Sep 2018 23:43

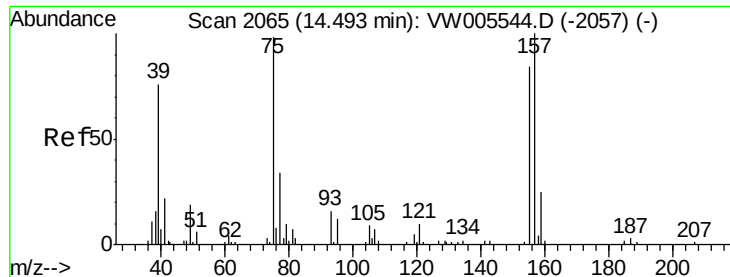
Tgt Ion: 117 Resp: 1184

Ion Ratio Lower Upper

117 100

201 0.0 42.8 128.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.248 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW005672.D

Acq: 26 Sep 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

7211975

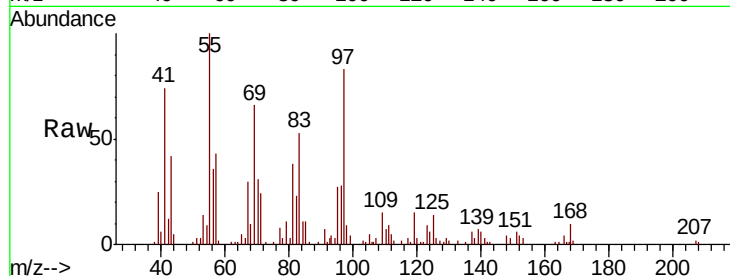
Tgt Ion: 75 Resp: 126

Ion Ratio Lower Upper

75 100

155 34.9 39.1 117.5#

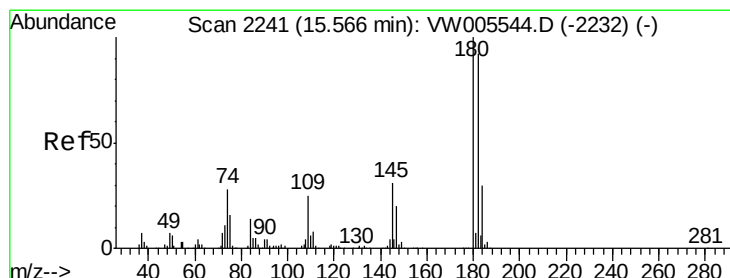
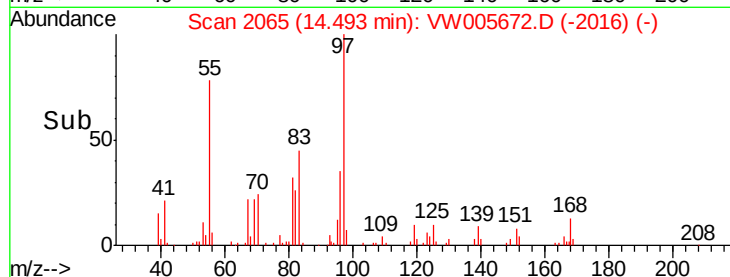
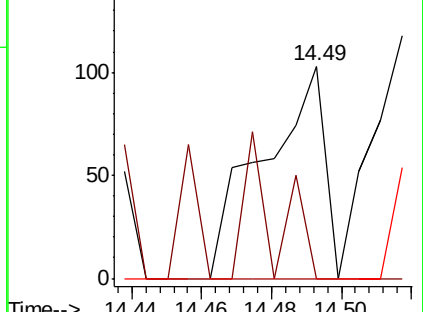
157 0.0 50.8 152.4#



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



#96

1,2,3-Trichlorobenzene

Concen: 2.207 ug/l

RT: 15.54 min Scan# 2236

Delta R.T. -0.03 min

Lab File: VW005672.D

Acq: 26 Sep 2018 23:43

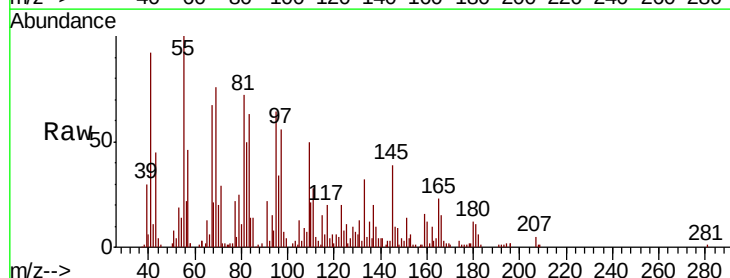
Tgt Ion: 180 Resp: 1872

Ion Ratio Lower Upper

180 100

182 33.2 47.3 141.9#

145 0.0 16.0 47.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

