

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW050818\
 Data File : VW002304.D
 Acq On : 08 May 2018 19:23
 Operator : JC/SY
 Sample : J2710-01RE
 Misc : 3.50G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1020RE

Quant Time: May 09 08:26:10 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	30831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	43715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	38402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	17409	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	12691	38.76	ug/l	0.00
Spiked Amount			Recovery	=	77.52%	
35) Dibromofluoromethane	7.88	113	12094	43.16	ug/l	0.00
Spiked Amount			Recovery	=	86.32%	
50) Toluene-d8	10.33	98	35821	33.53	ug/l	0.00
Spiked Amount			Recovery	=	67.06%	
62) 4-Bromofluorobenzene	12.63	95	13212	34.22	ug/l	0.00
Spiked Amount			Recovery	=	68.44%	

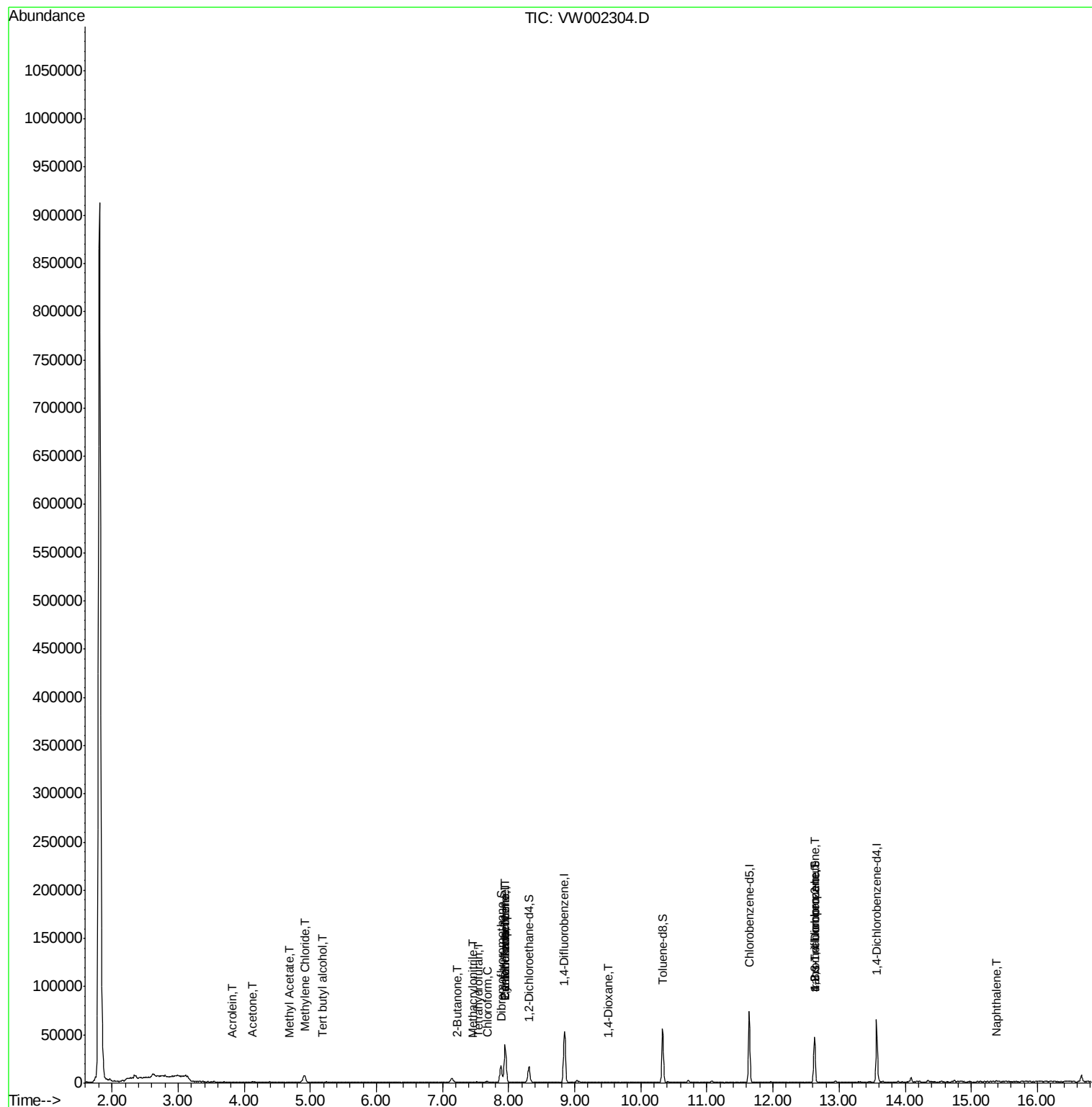
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	215	9.03	ug/l #	40
13) Acrolein	3.82	56	20	1.00	ug/l #	14
16) Acetone	4.12	43	514	8.04	ug/l #	47
18) Methyl Acetate	4.68	43	194	1.01	ug/l #	51
20) Methylene Chloride	4.92	84	5051	16.39	ug/l #	94
25) 2-Butanone	7.21	43	137	1.44	ug/l #	49
29) Tetrahydrofuran	7.54	42	133	2.14	ug/l #	33
30) Chloroform	7.67	83	634	1.11	ug/l #	75
31) Cyclohexane	7.95	56	822	1.69	ug/l #	57
36) 1,1-Dichloropropene	7.95	75	2397	6.06	ug/l #	48
38) Carbon Tetrachloride	7.95	117	2807	7.34	ug/l #	20
41) Methacrylonitrile	7.46	41	221	2.00	ug/l #	37
49) 1,4-Dioxane	9.50	88	52	20.22	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	6255	40.52	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	6255	106.73	ug/l #	10
95) Naphthalene	15.38	128	1147	1.70	ug/l #	71

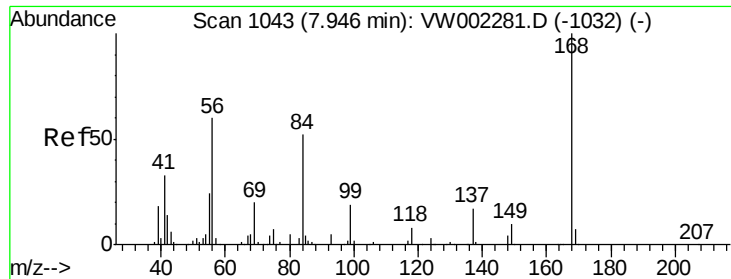
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002304.D

Acq: 08 May 2018 19:23

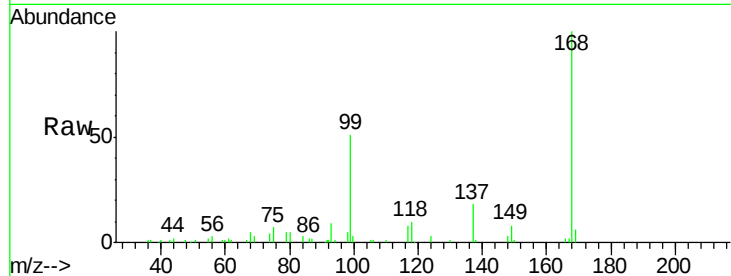
Instrument :
MSVOA_W
ClientSampled :
1020RE

Tgt Ion: 168 Resp: 30831

Ion Ratio Lower Upper

168 100

99 50.6 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

15000

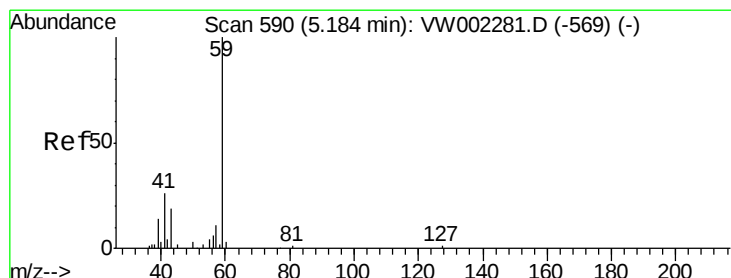
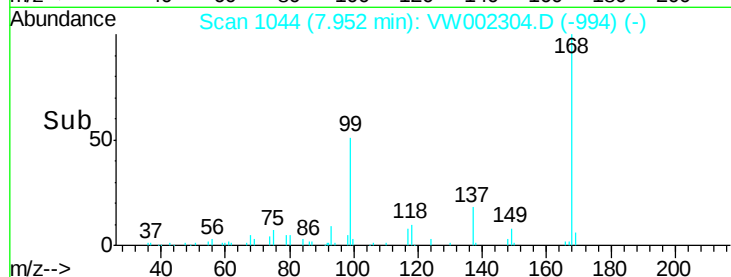
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 9.03 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.00 min

Lab File: VW002304.D

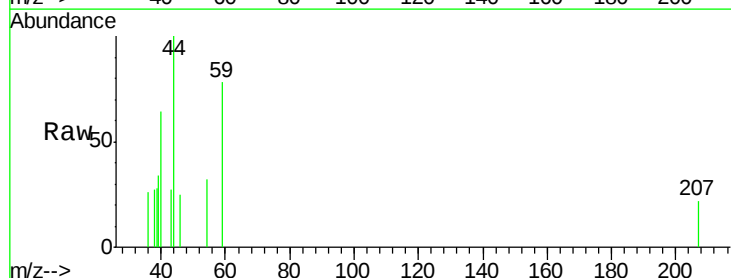
Acq: 08 May 2018 19:23

Tgt Ion: 59 Resp: 215

Ion Ratio Lower Upper

59 100

57 24.7 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

250

200

150

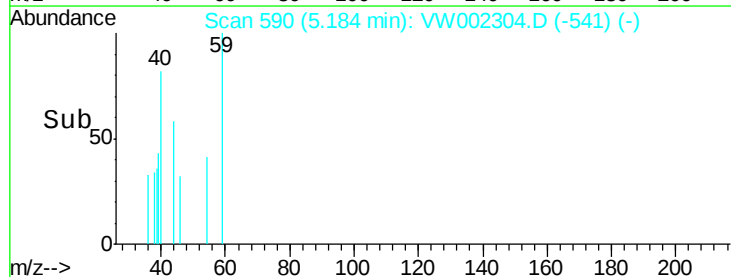
100

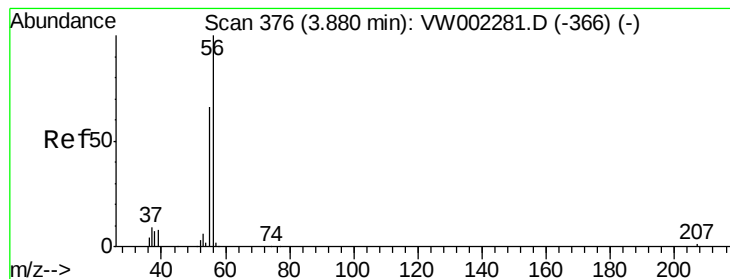
50

0

Time-->

5.16 5.18 5.20 5.22





#13

Acrolein

Concen: 1.00 ug/l

RT: 3.82 min Scan# 366

Delta R.T. -0.06 min

Lab File: VW002304.D

Acq: 08 May 2018 19:23

Instrument :

MSVOA_W

ClientSampleId :

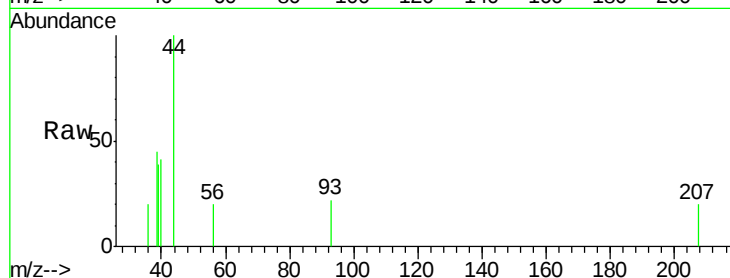
1020RE

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

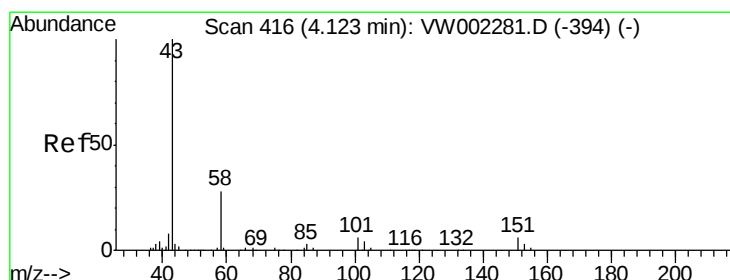
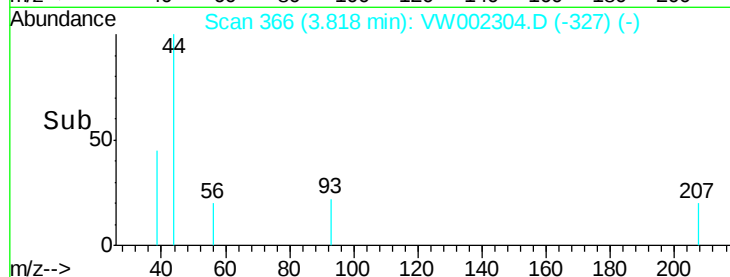
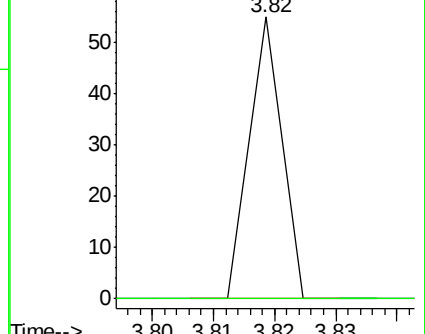
56 100

55 0.0 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 8.04 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW002304.D

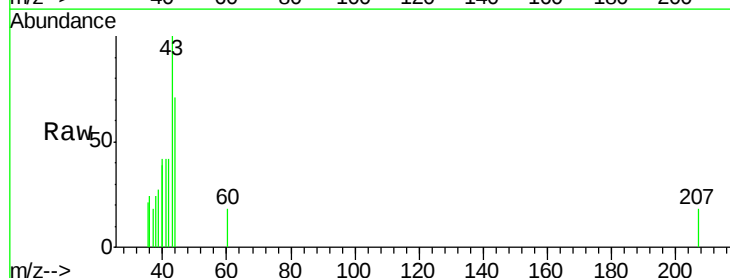
Acq: 08 May 2018 19:23

Tgt Ion: 43 Resp: 514

Ion Ratio Lower Upper

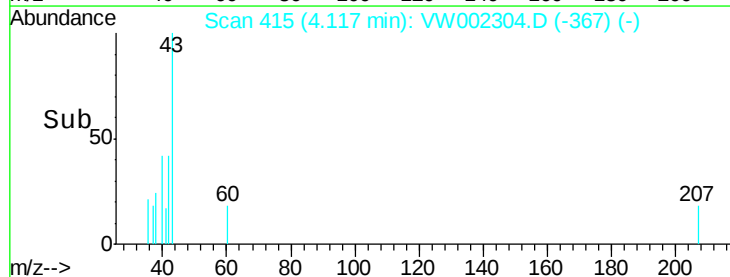
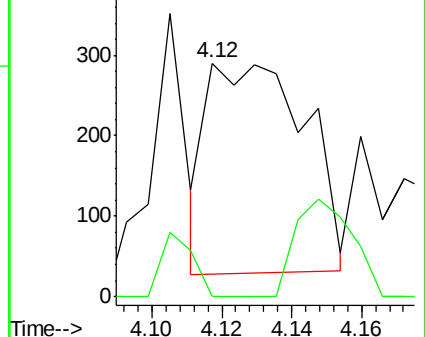
43 100

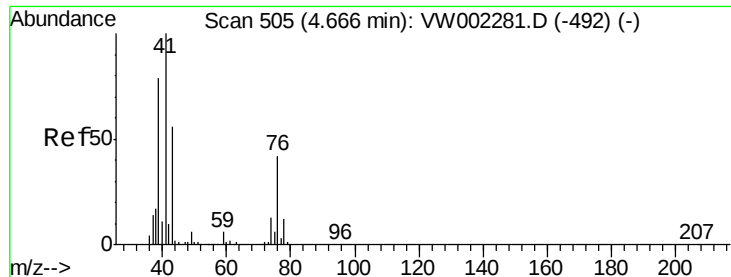
58 0.0 22.2 33.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

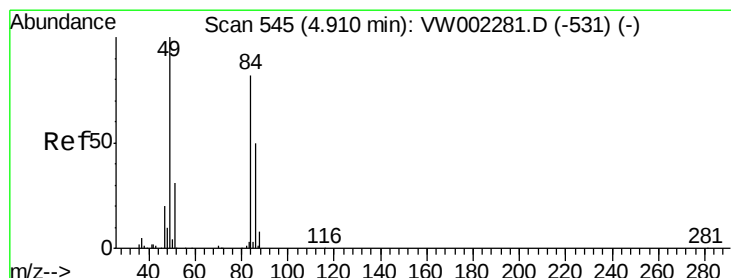
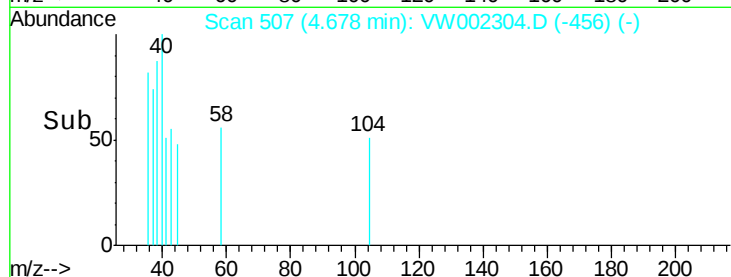
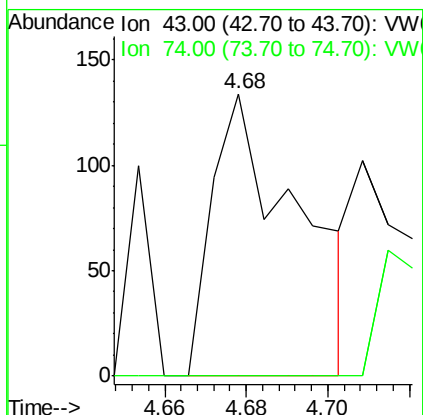
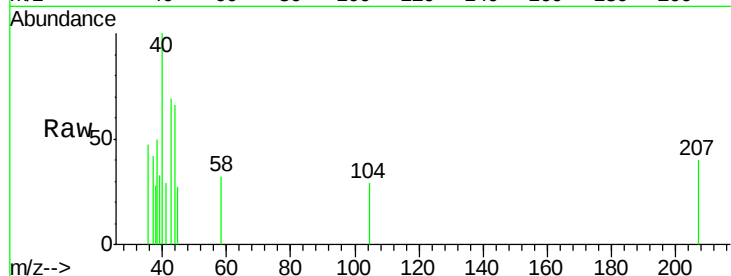




#18
Methyl Acetate
Concen: 1.01 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW002304.D
Acq: 08 May 2018 19:23

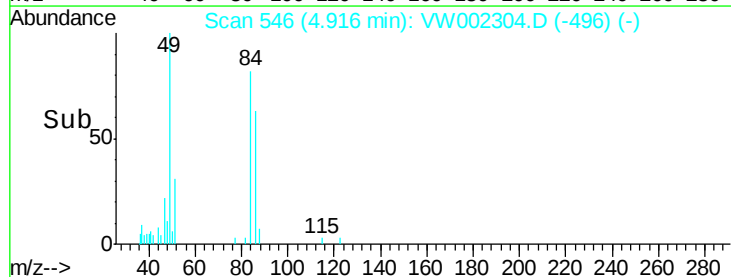
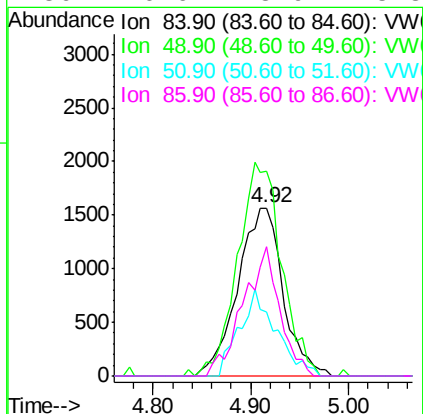
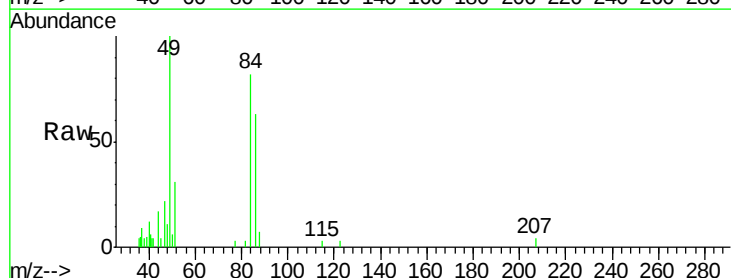
Instrument :
MSVOA_W
ClientSampled :
1020RE

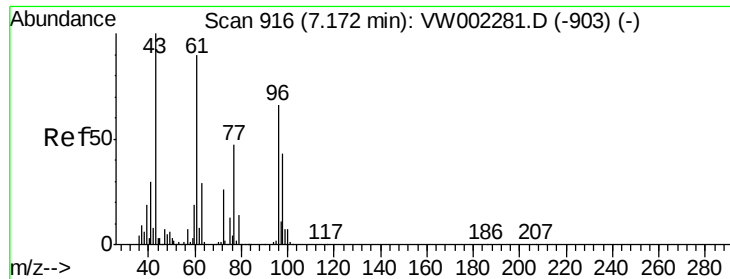
Tgt Ion: 43 Resp: 194
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 16.39 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW002304.D
Acq: 08 May 2018 19:23

Tgt Ion: 84 Resp: 5051
Ion Ratio Lower Upper
84 100
49 122.0 97.7 146.5
51 38.4 30.2 45.4
86 76.6 48.9 73.3#

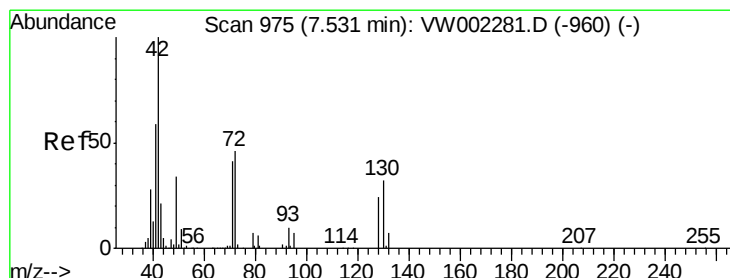
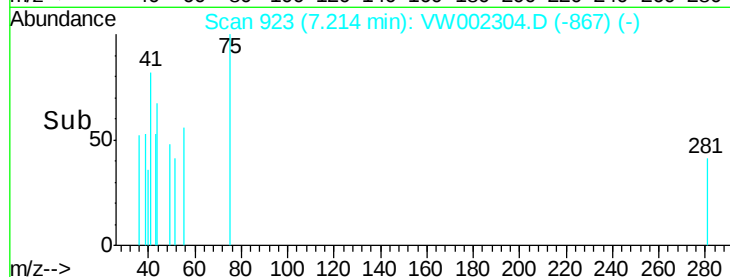
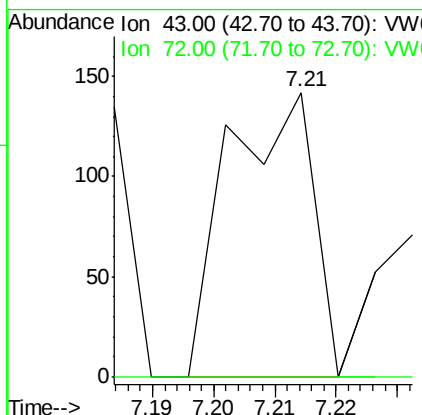
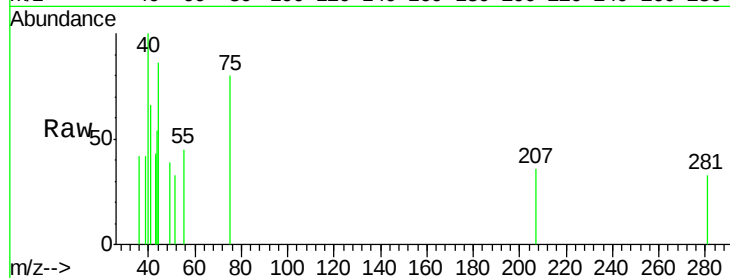




#25
 2-Butanone
 Concen: 1.44 ug/l
 RT: 7.21 min Scan# 923
 Delta R.T. 0.04 min
 Lab File: VW002304.D
 Acq: 08 May 2018 19:23

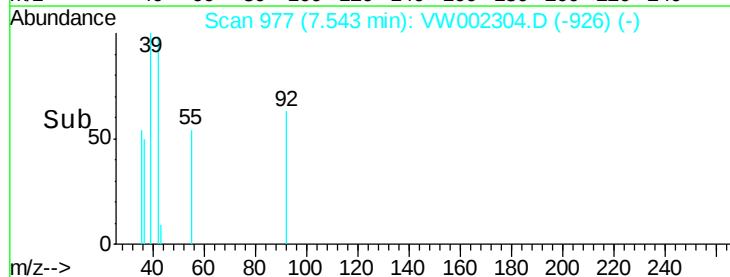
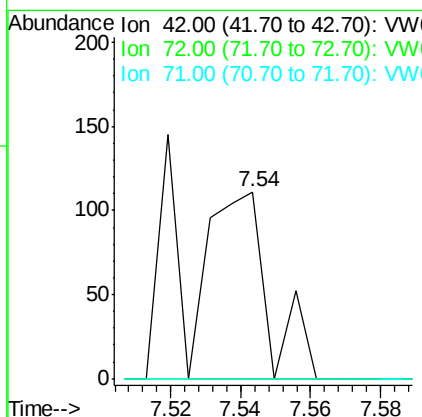
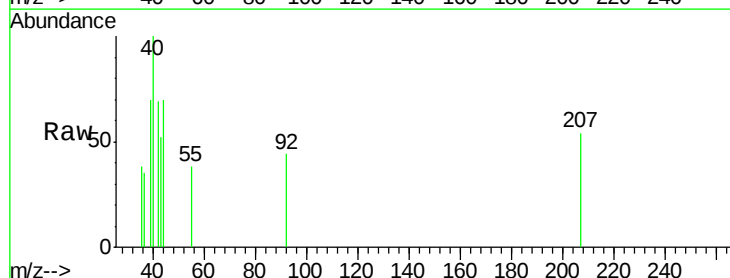
Instrument :
 MSVOA_W
 ClientSampled :
 1020RE

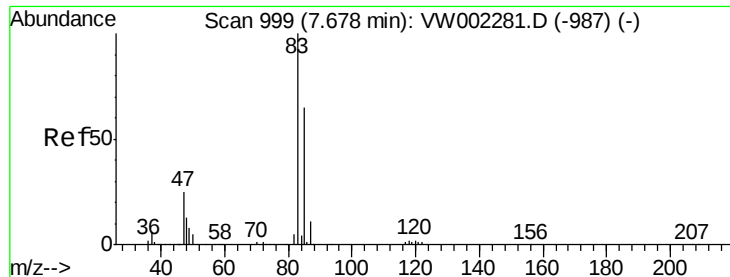
Tgt Ion: 43 Resp: 137
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.6 31.0#



#29
 Tetrahydrofuran
 Concen: 2.14 ug/l
 RT: 7.54 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VW002304.D
 Acq: 08 May 2018 19:23

Tgt Ion: 42 Resp: 133
 Ion Ratio Lower Upper
 42 100
 72 0.0 34.5 51.7#
 71 0.0 33.0 49.6#

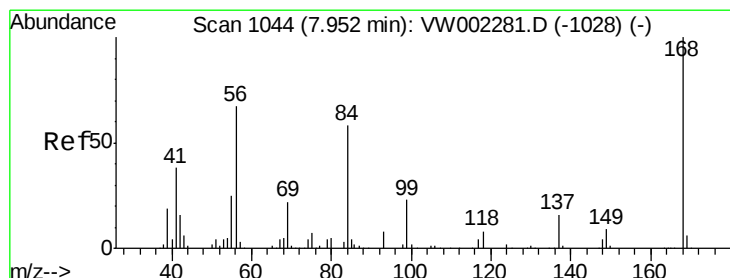
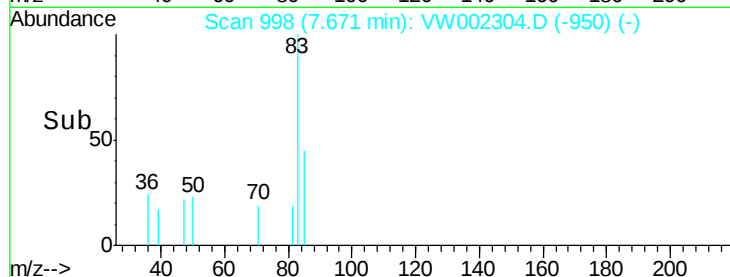
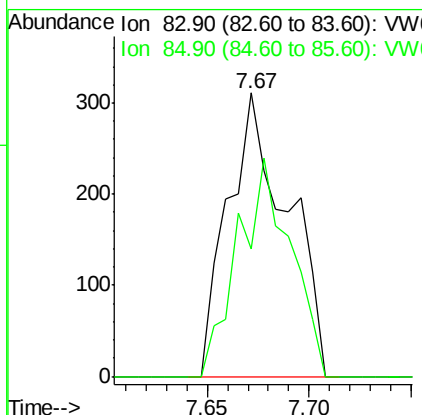
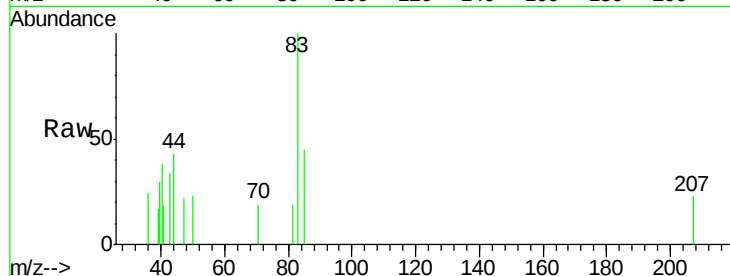




#30
Chloroform
Concen: 1.11 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW002304.D
Acq: 08 May 2018 19:23

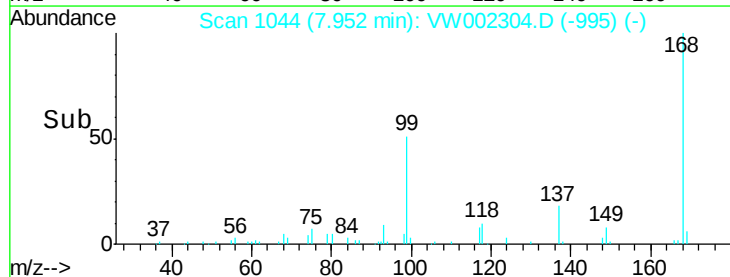
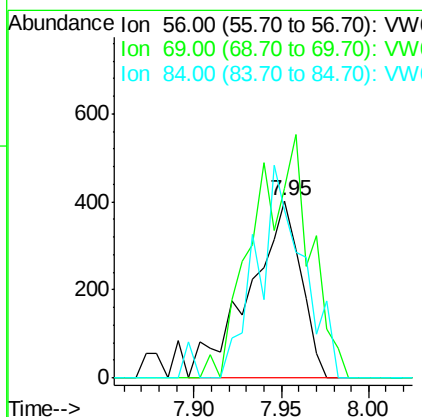
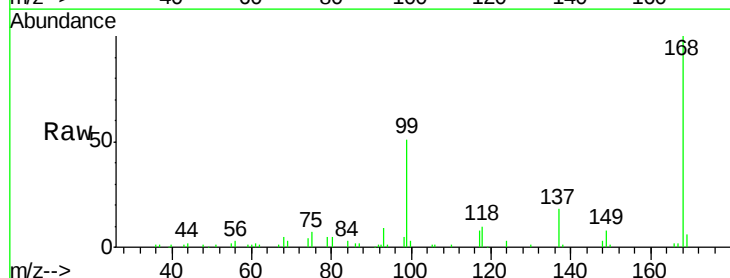
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1020RE

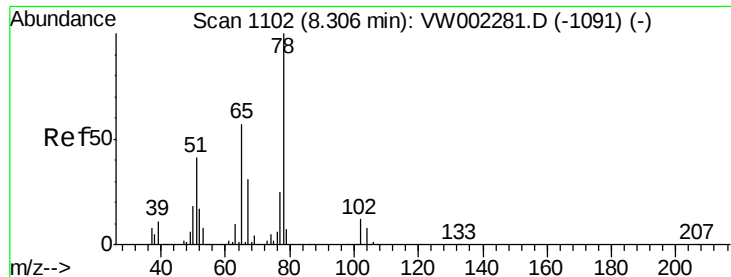
Tgt Ion: 83 Resp: 634
Ion Ratio Lower Upper
83 100
85 45.0 51.8 77.6#



#31
Cyclohexane
Concen: 1.69 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW002304.D
Acq: 08 May 2018 19:23

Tgt Ion: 56 Resp: 822
Ion Ratio Lower Upper
56 100
69 107.0 26.2 39.4#
84 94.8 69.2 103.8

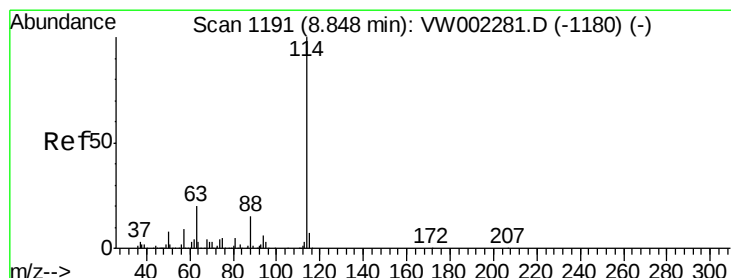
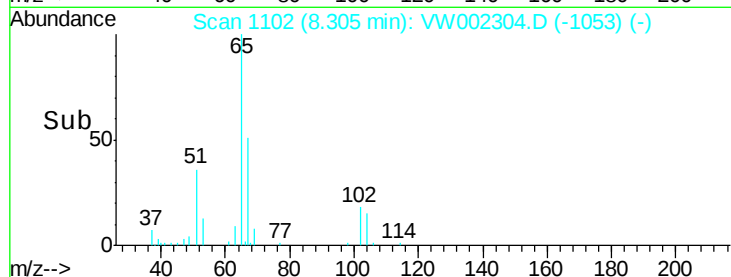
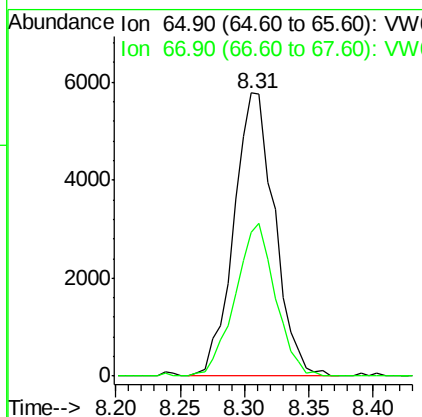
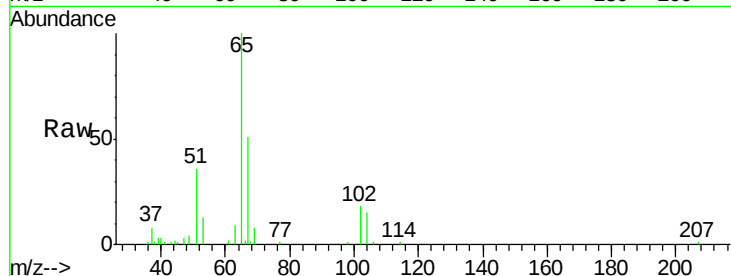




#33
 1,2-Dichloroethane-d4
 Concen: 38.76 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002304.D
 Acq: 08 May 2018 19:23

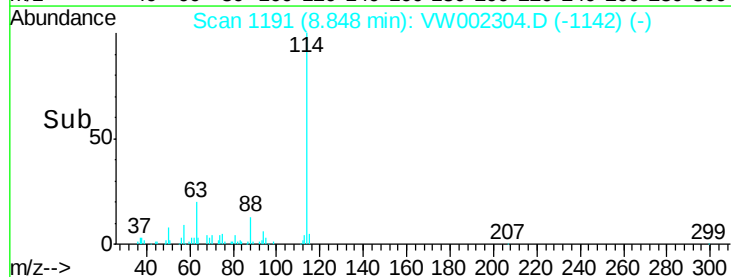
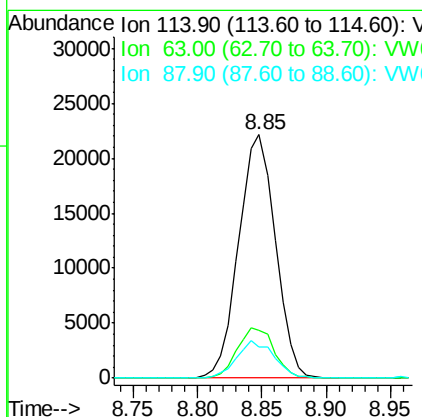
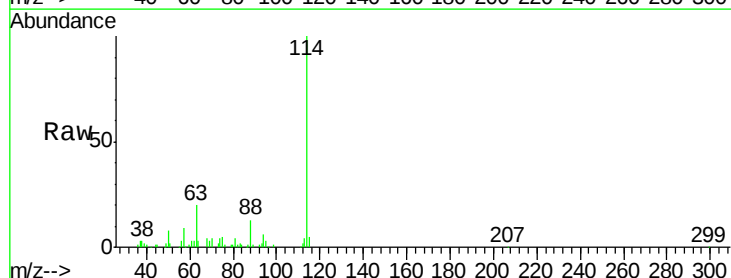
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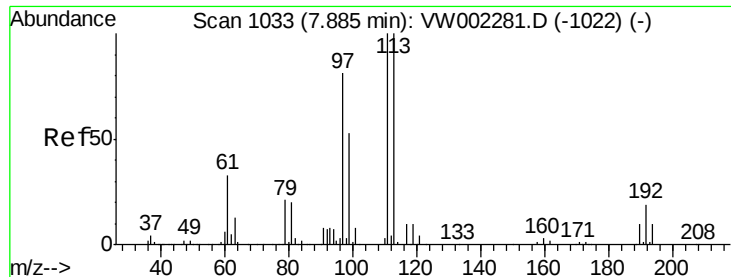
Tgt Ion: 65 Resp: 12691
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW002304.D
 Acq: 08 May 2018 19:23

Tgt Ion: 114 Resp: 43715
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 12.9 0.0 29.6

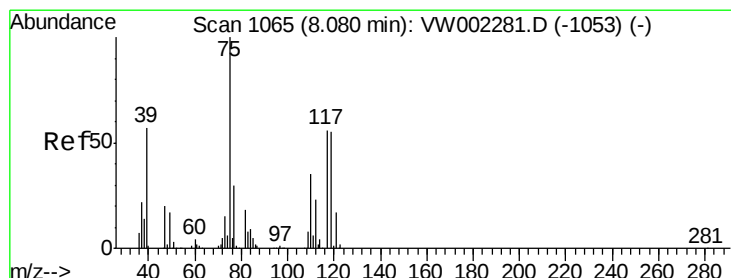
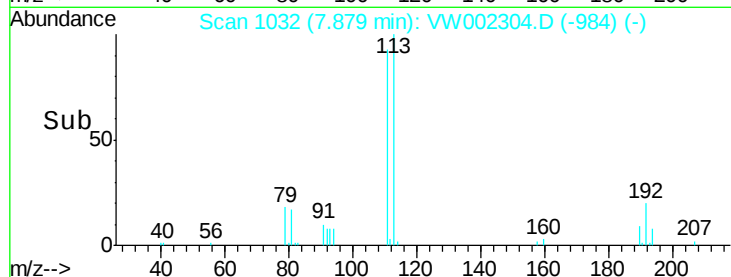
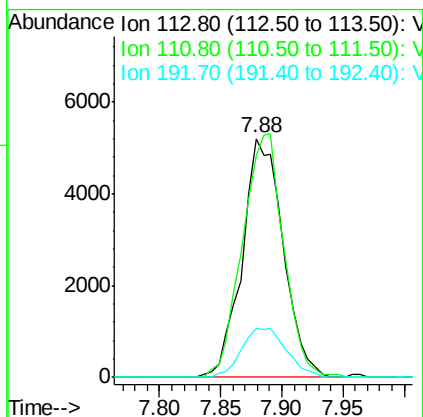
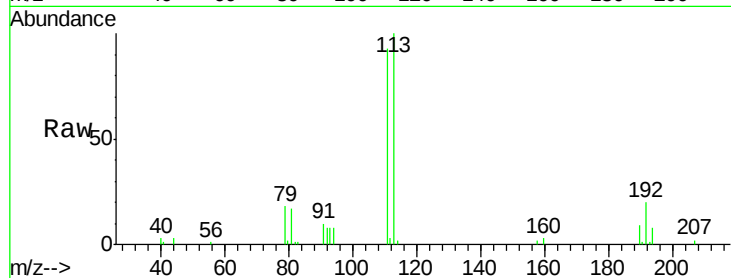




#35
 Dibromofluoromethane
 Concen: 43.16 ug/l
 RT: 7.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: VW002304.D
 Acq: 08 May 2018 19:23

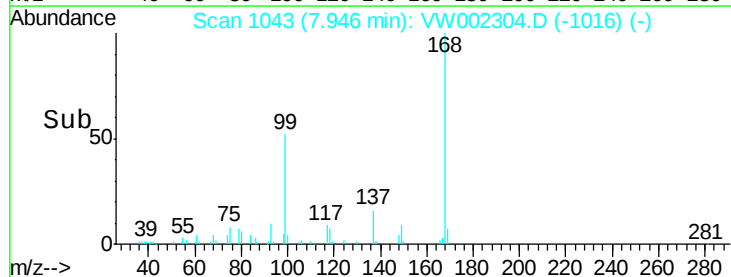
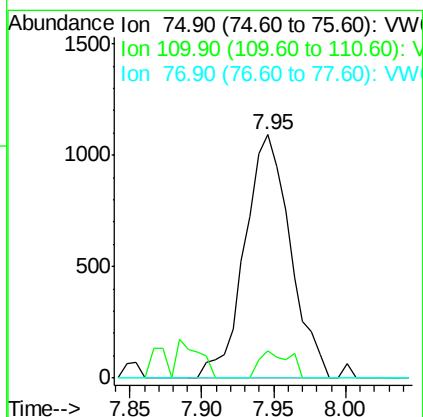
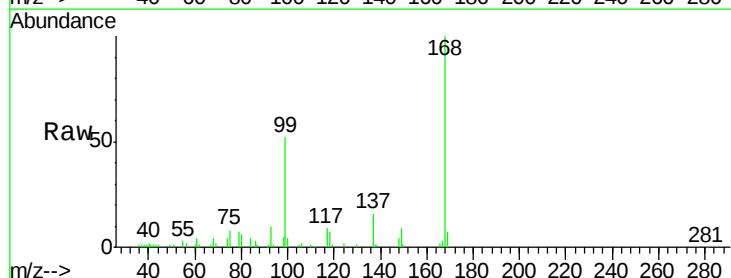
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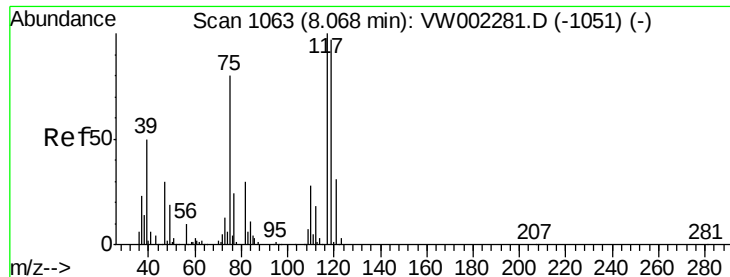
Tgt Ion: 113 Resp: 12094
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.5 122.3
 192 22.5 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 6.06 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002304.D
 Acq: 08 May 2018 19:23

Tgt Ion: 75 Resp: 2397
 Ion Ratio Lower Upper
 75 100
 110 7.5 18.1 54.1#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 7.34 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002304.D

Acq: 08 May 2018 19:23

Instrument :

MSVOA_W

ClientSampleId :

1020RE

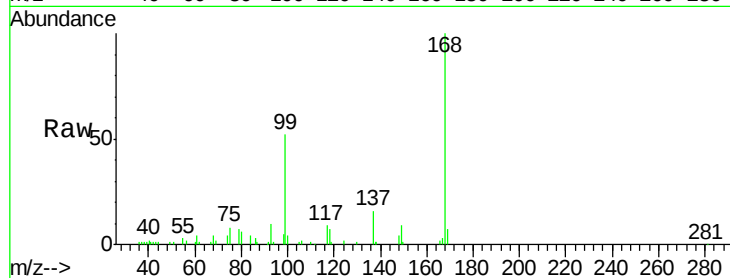
Tgt Ion:117 Resp: 2807

Ion Ratio Lower Upper

117 100

119 11.0 77.5 116.3#

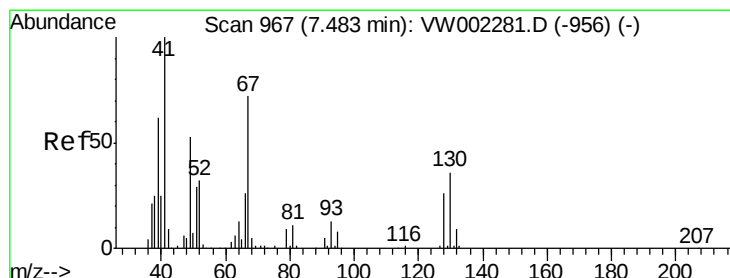
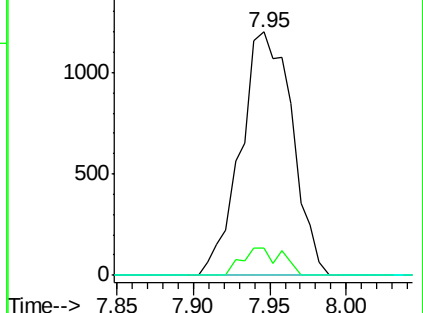
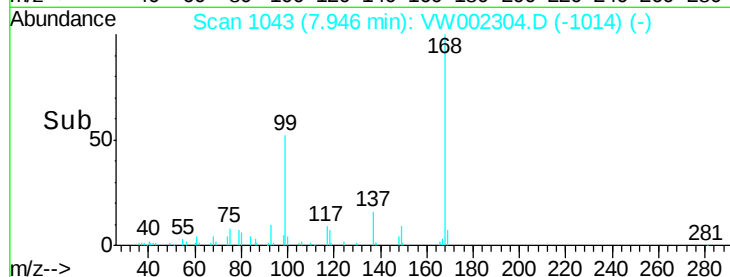
121 0.0 24.4 36.6#



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



#41

Methacrylonitrile

Concen: 2.00 ug/l

RT: 7.46 min Scan# 964

Delta R.T. -0.02 min

Lab File: VW002304.D

Acq: 08 May 2018 19:23

Tgt Ion: 41 Resp: 221

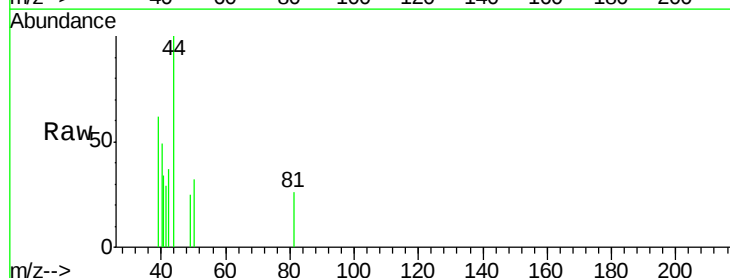
Ion Ratio Lower Upper

41 100

39 76.9 40.2 60.4#

67 0.0 54.7 82.1#

52 0.0 23.6 35.4#

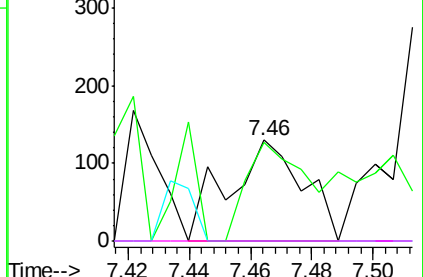
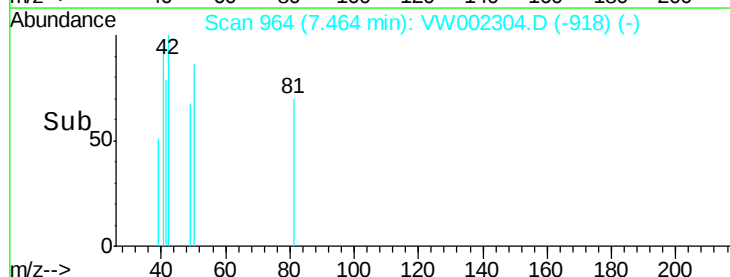


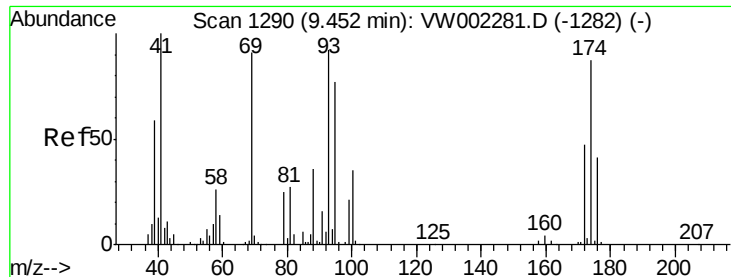
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

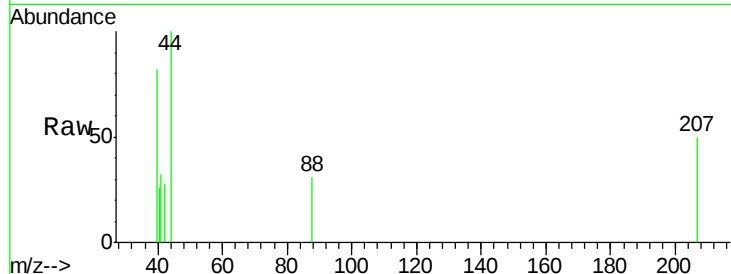




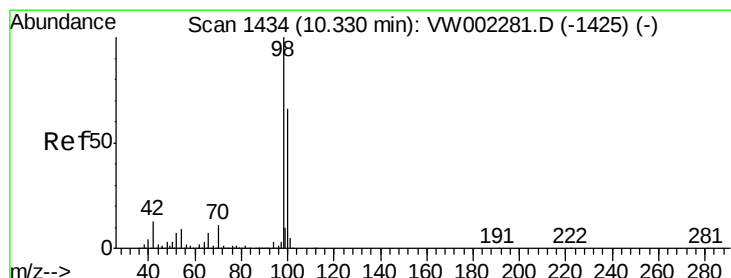
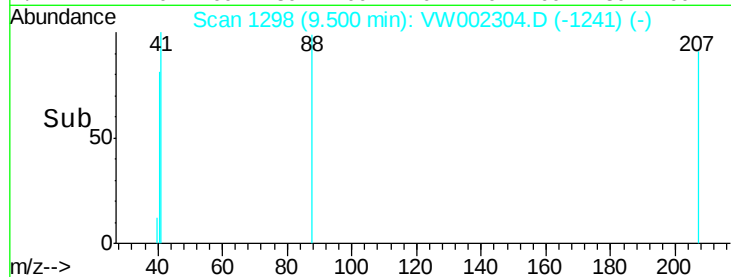
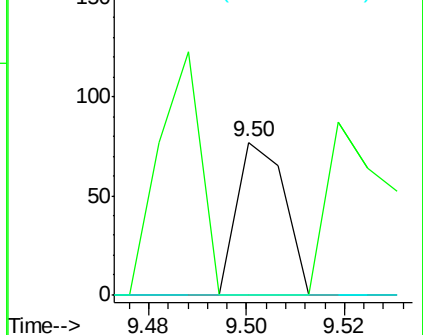
#49
 1,4-Dioxane
 Concen: 20.22 ug/l
 RT: 9.50 min Scan# 1298
 Delta R.T. 0.05 min
 Lab File: VW002304.D
 Acq: 08 May 2018 19:23

Instrument :
 MSVOA_W
 ClientSampled :
 1020RE

Tgt Ion: 88 Resp: 52
 Ion Ratio Lower Upper
 88 100
 43 140.4 26.3 39.5#
 58 0.0 56.0 84.0#

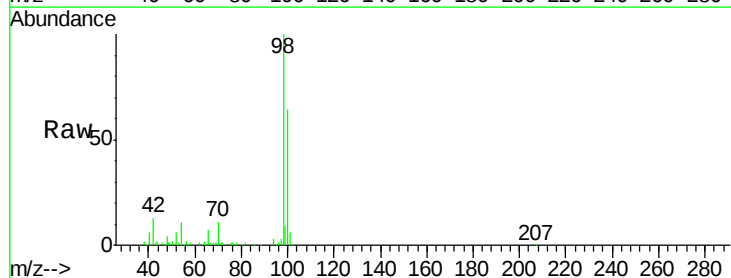


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

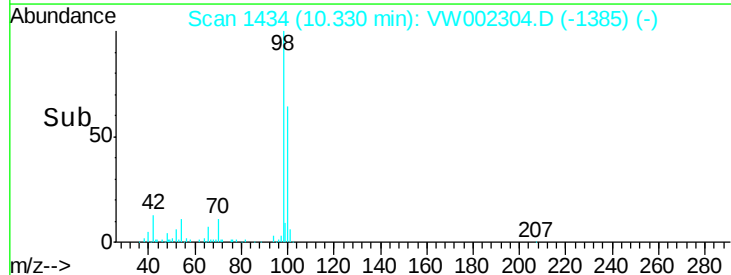
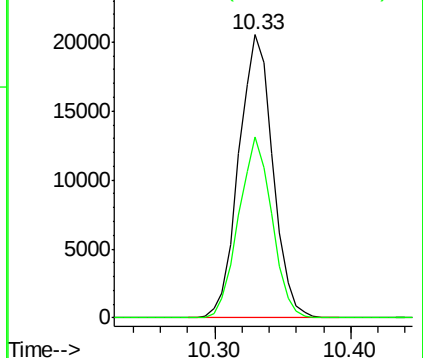


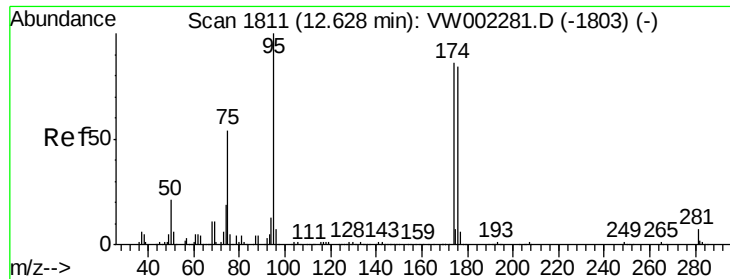
#50
 Toluene-d8
 Concen: 33.53 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW002304.D
 Acq: 08 May 2018 19:23

Tgt Ion: 98 Resp: 35821
 Ion Ratio Lower Upper
 98 100
 100 62.3 51.4 77.2



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

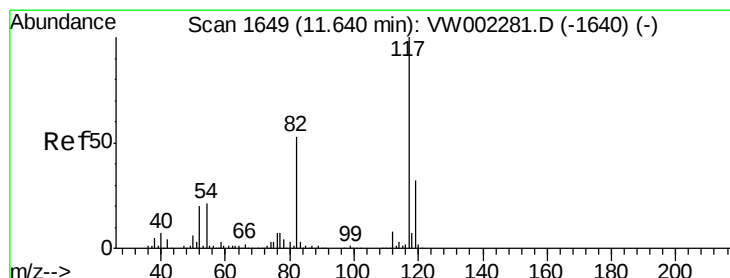
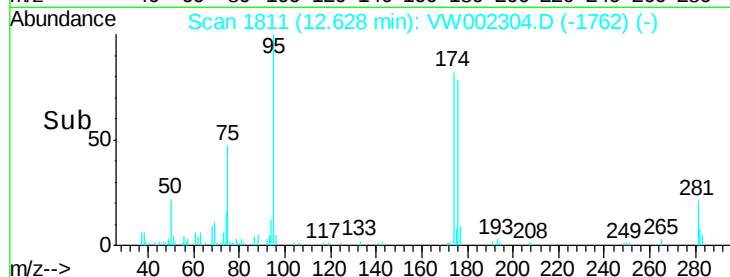
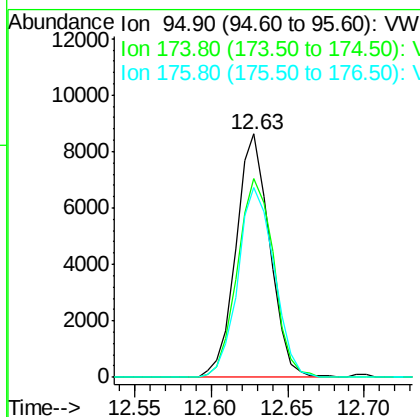
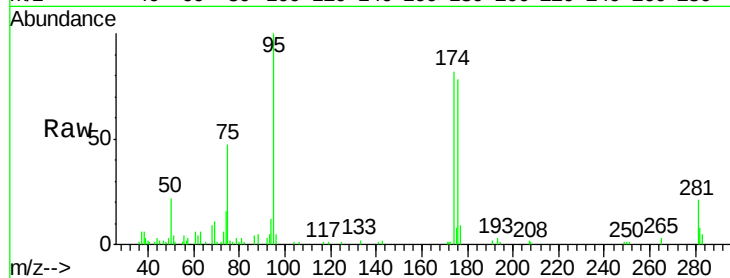




#62
4-Bromofluorobenzene
Concen: 34.22 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW002304.D
Acq: 08 May 2018 19:23

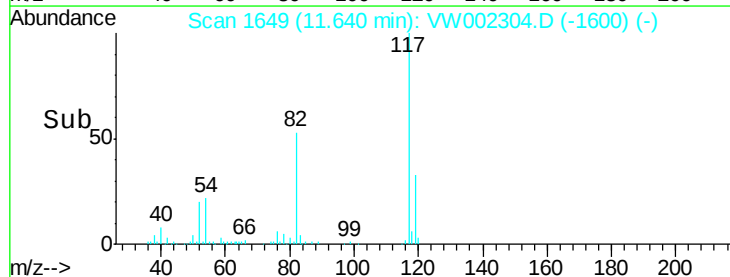
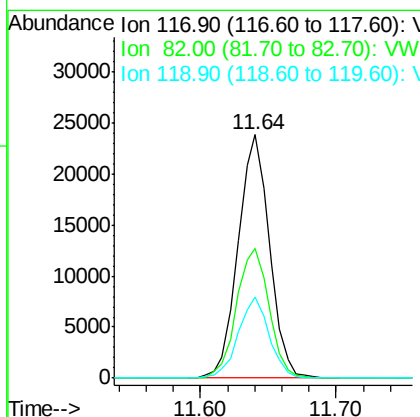
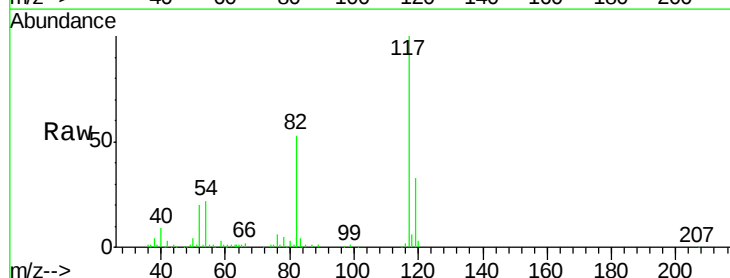
Instrument :
MSVOA_W
ClientSampleId :
1020RE

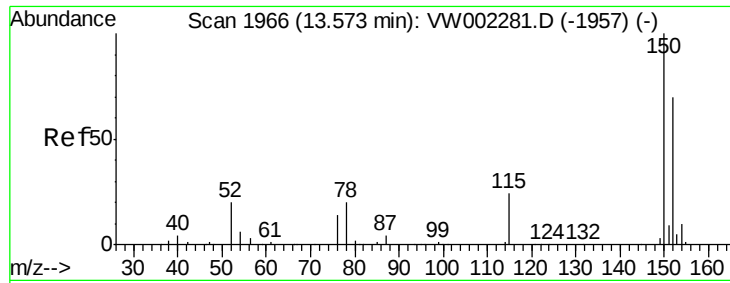
Tgt Ion: 95 Resp: 13212
Ion Ratio Lower Upper
95 100
174 87.5 0.0 176.8
176 83.7 0.0 170.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002304.D
Acq: 08 May 2018 19:23

Tgt Ion: 117 Resp: 38402
Ion Ratio Lower Upper
117 100
82 53.3 42.6 63.8
119 33.2 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW002304.D

Acq: 08 May 2018 19:23

Instrument :

MSVOA_W

ClientSampled :

1020RE

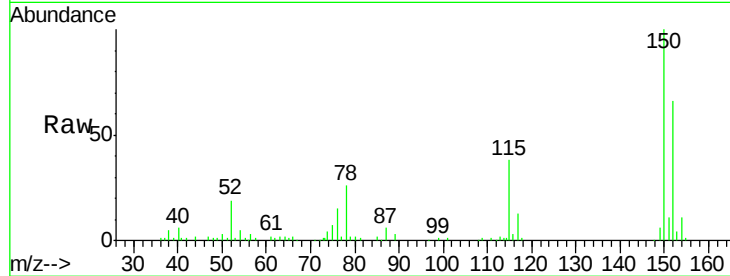
Tgt Ion:152 Resp: 17409

Ion Ratio Lower Upper

152 100

115 56.1 28.5 85.5

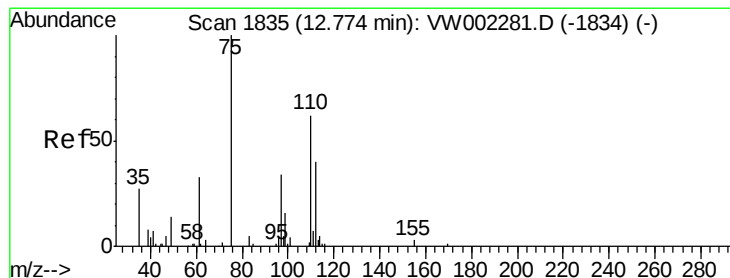
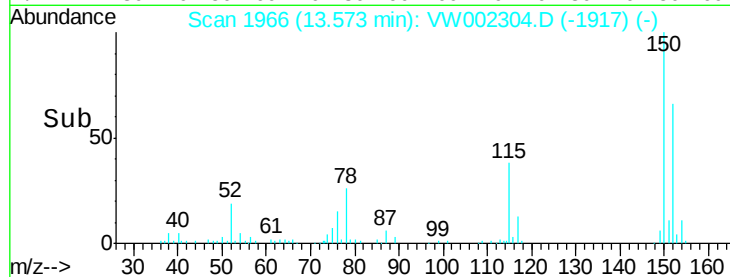
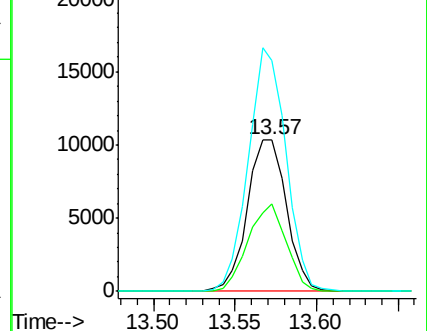
150 153.3 0.0 342.6



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



#76

1,2,3-Trichloropropane

Concen: 40.52 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002304.D

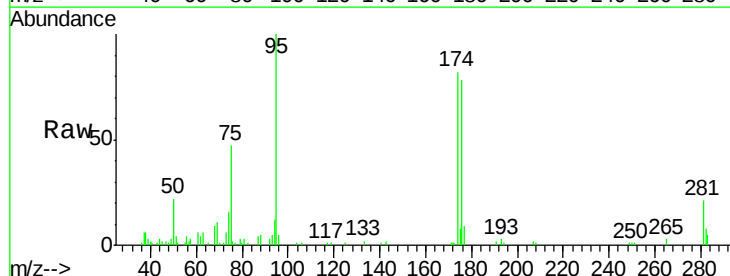
Acq: 08 May 2018 19:23

Tgt Ion: 75 Resp: 6255

Ion Ratio Lower Upper

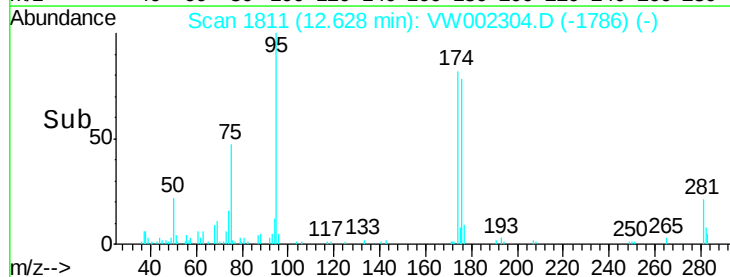
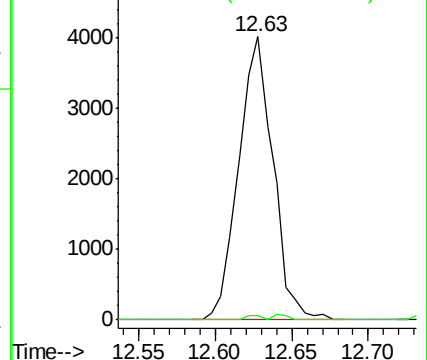
75 100

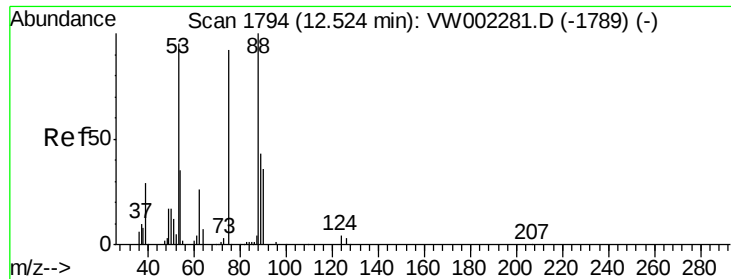
77 0.7 187.5 562.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 106.73 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002304.D

Acq: 08 May 2018 19:23

Instrument :

MSVOA_W

ClientSampled :

1020RE

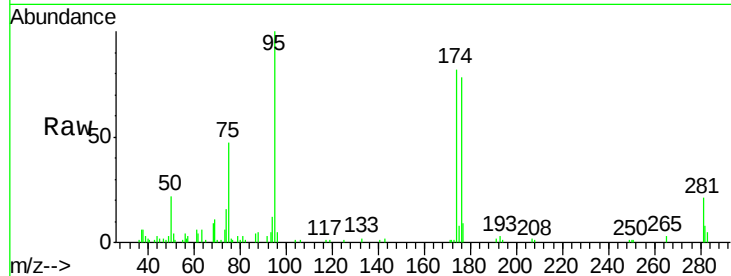
Tgt Ion: 75 Resp: 6255

Ion Ratio Lower Upper

75 100

53 0.0 79.9 119.9#

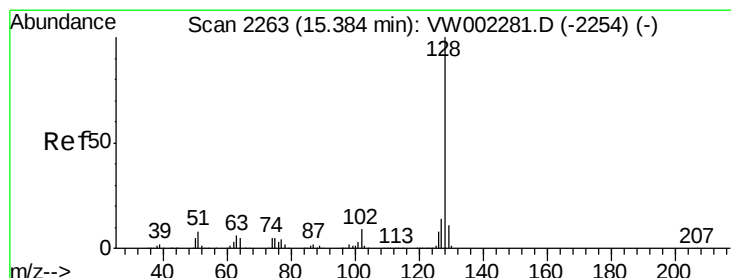
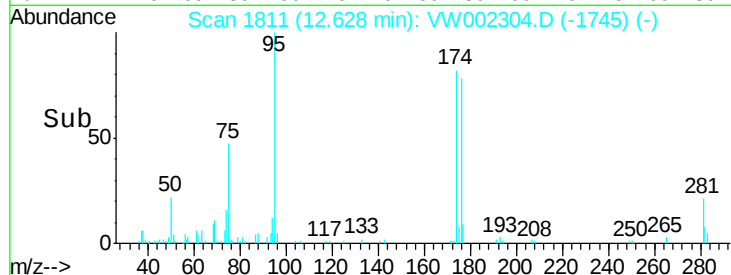
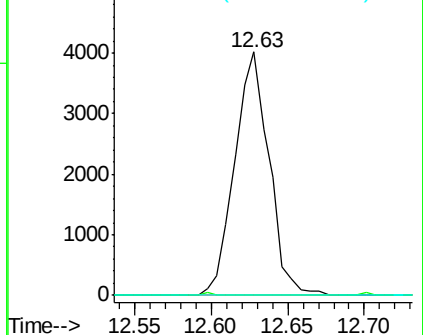
89 0.0 37.6 56.4#



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



#95

Naphthalene

Concen: 1.70 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW002304.D

Acq: 08 May 2018 19:23

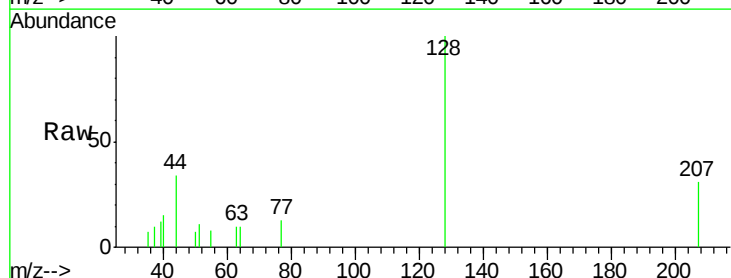
Tgt Ion: 128 Resp: 1147

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 2.2 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

