

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\
 Data File : VW002389.D
 Acq On : 10 May 2018 18:56
 Operator : JC/SY
 Sample : J2730-01RE
 Misc : 3.04G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 11 04:53:58 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	6382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	9926	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	9403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	4085	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	3417	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
35) Dibromofluoromethane	7.89	113	3013	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
50) Toluene-d8	10.33	98	8825	36.37	ug/l	0.00
Spiked Amount			Recovery	=	72.74%	
62) 4-Bromofluorobenzene	12.63	95	3088	35.22	ug/l	0.00
Spiked Amount			Recovery	=	70.44%	

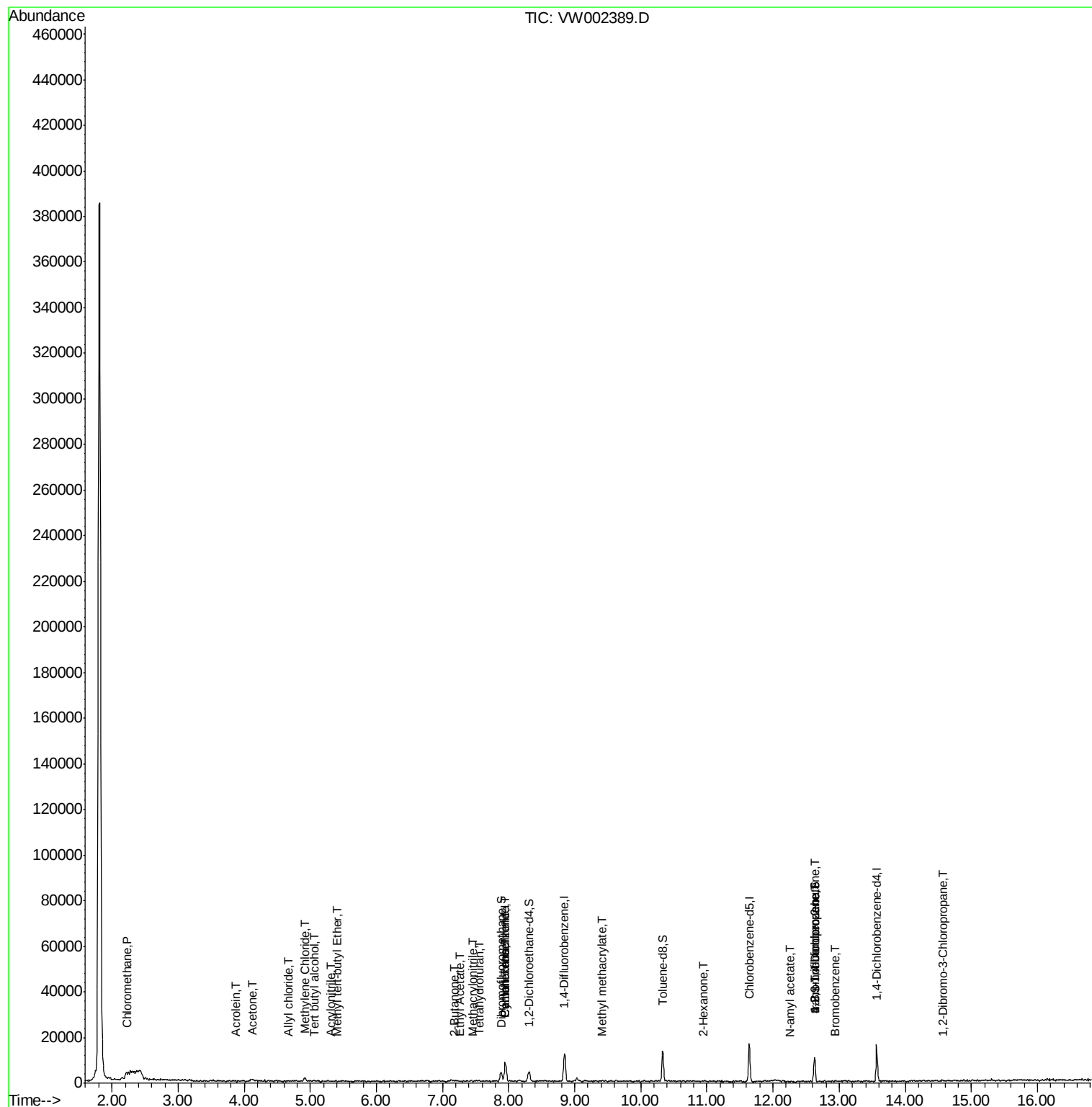
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.22	50	83	1.69	ug/l #	71
11) Tert butyl alcohol	5.07	59	22	4.47	ug/l #	1
13) Acrolein	3.87	56	23	5.58	ug/l #	1
14) Allyl chloride	4.66	41	116	1.37	ug/l #	12
15) Acrylonitrile	5.32	53	63	4.35	ug/l #	79
16) Acetone	4.12	43	1491	112.65	ug/l	96
19) Methyl tert-butyl Ether	5.40	73	142	1.41	ug/l #	54
20) Methylene Chloride	4.92	84	813	12.74	ug/l #	91
25) 2-Butanone	7.18	43	86	4.38	ug/l #	49
29) Tetrahydrofuran	7.54	42	50	3.88	ug/l #	59
31) Cyclohexane	7.95	56	117	1.16	ug/l #	62
37) Ethyl Acetate	7.28	43	51	1.17	ug/l #	1
38) Carbon Tetrachloride	7.95	117	753	8.67	ug/l #	12
41) Methacrylonitrile	7.46	41	148	5.90	ug/l #	25
48) Methyl methacrylate	9.41	41	193	4.79	ug/l #	44
59) 2-Hexanone	10.95	43	96	3.07	ug/l #	56
74) N-amyl acetate	12.26	43	136	2.05	ug/l #	53
76) 1,2,3-Trichloropropane	12.63	75	1631	45.02	ug/l #	1
77) Bromobenzene	12.95	156	75	1.12	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	1631	118.60	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.57	75	19	2.14	ug/l #	1

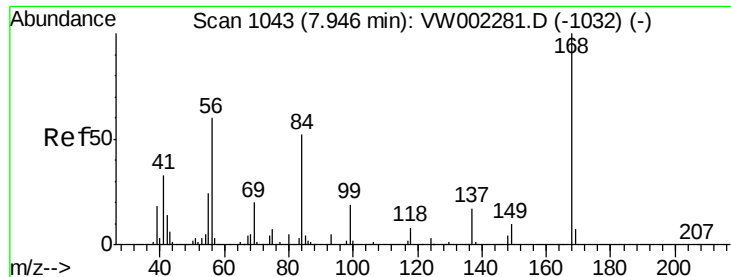
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 08 03:57:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002389.D

Acq: 10 May 2018 18:56

Instrument :

MSVOA_W

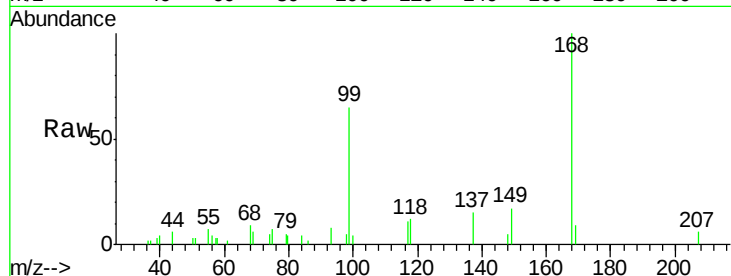
ClientSampled :

Tot Ion:168 Resp: 6382

Ion Ratio Lower Upper

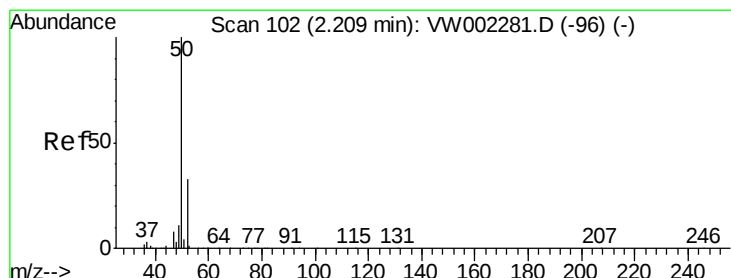
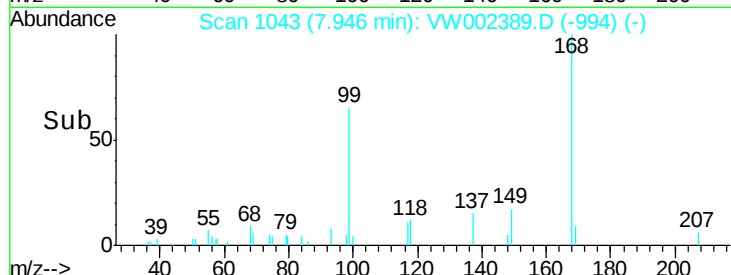
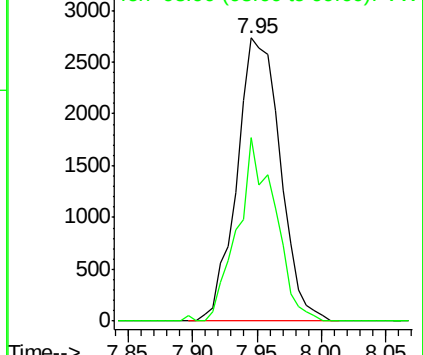
168 100

99 65.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 1.69 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.01 min

Lab File: VW002389.D

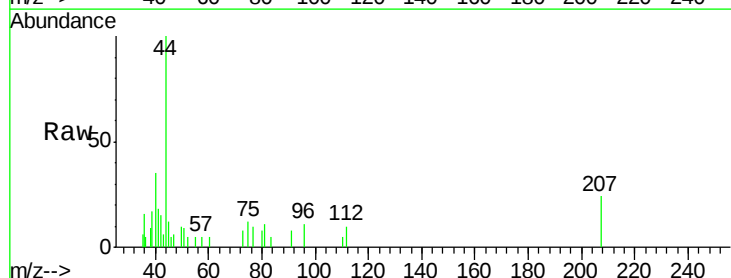
Acq: 10 May 2018 18:56

Tgt Ion: 50 Resp: 83

Ion Ratio Lower Upper

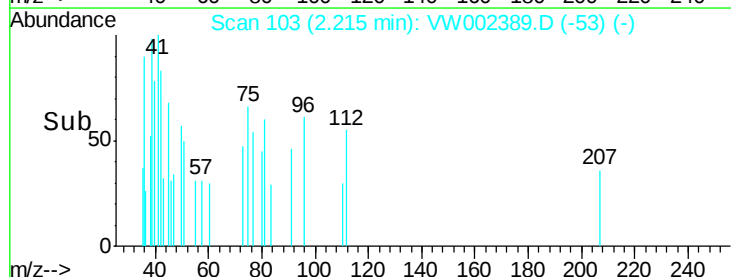
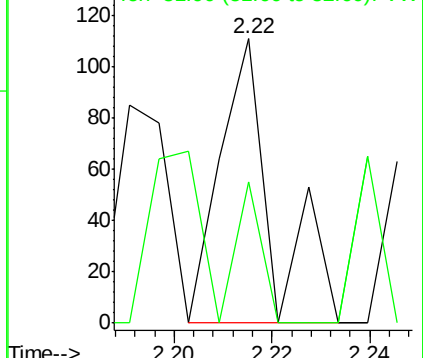
50 100

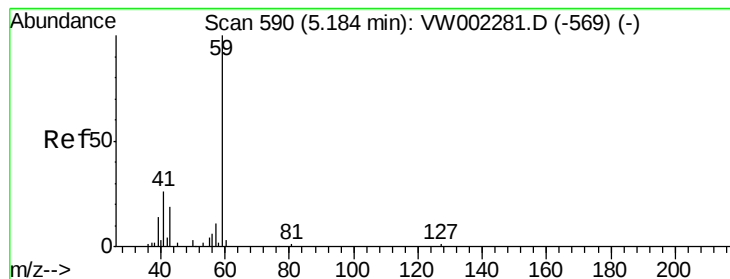
52 49.5 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



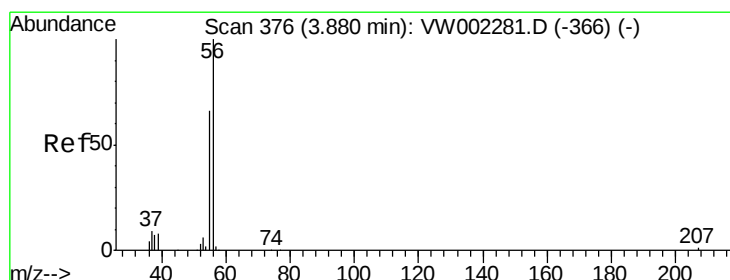
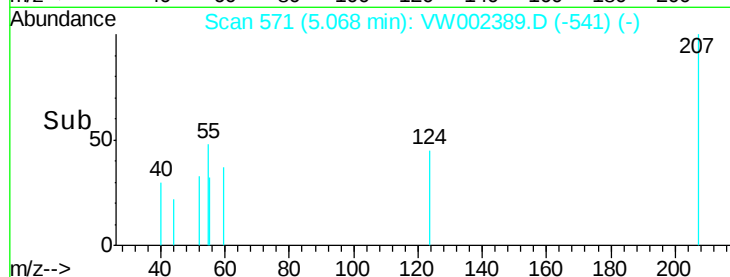
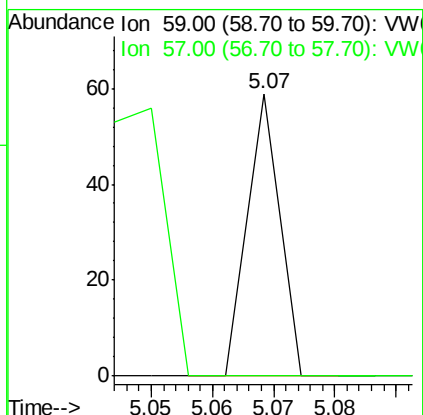
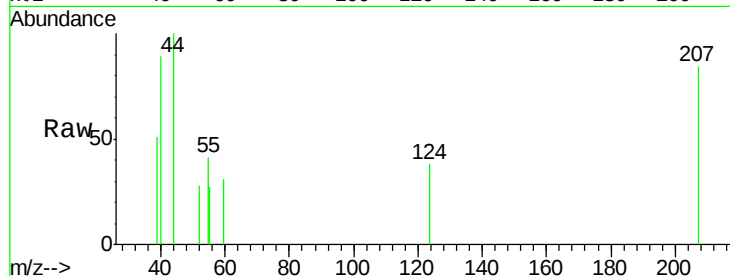


#11

Tert butyl alcohol
 Concen: 4.47 ug/l
 RT: 5.07 min Scan# 571
 Delta R.T. -0.12 min
 Lab File: VW002389.D
 Acq: 10 May 2018 18:56

Instrument :
 MSVOA_W
 ClientSampled :

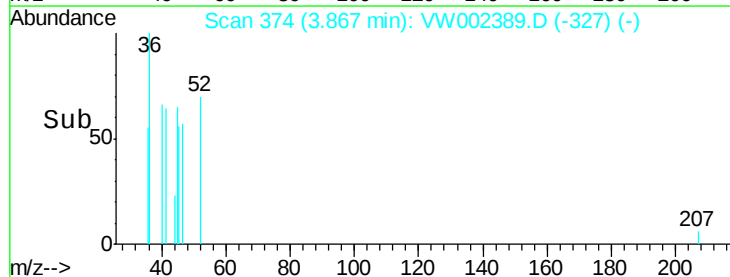
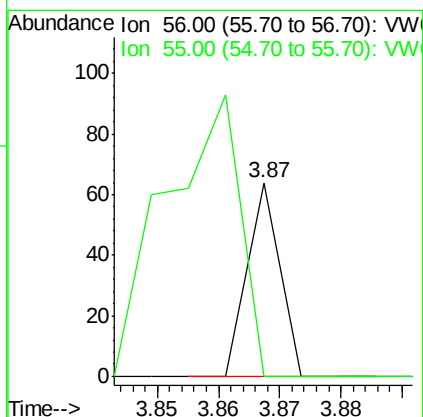
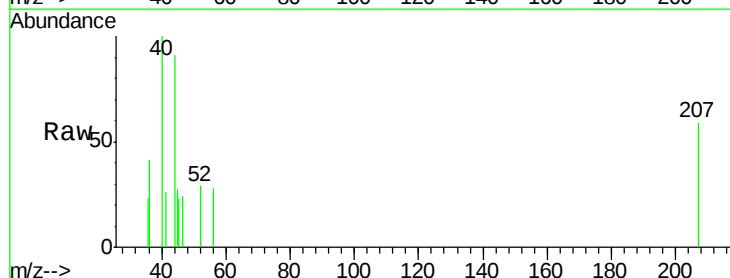
Tot Ion: 59 Resp: 22
 Ion Ratio Lower Upper
 59 100
 57 181.8 3.9 5.9#

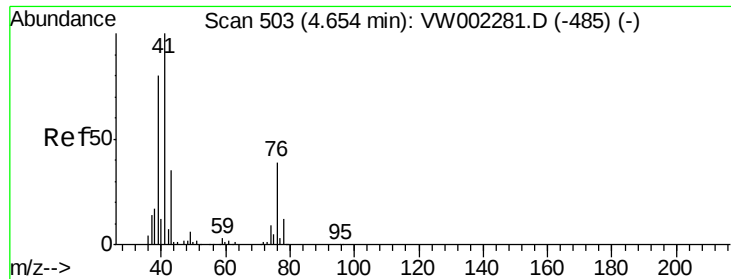


#13

Acrolein
 Concen: 5.58 ug/l
 RT: 3.87 min Scan# 374
 Delta R.T. -0.01 min
 Lab File: VW002389.D
 Acq: 10 May 2018 18:56

Tgt Ion: 56 Resp: 23
 Ion Ratio Lower Upper
 56 100
 55 343.5 57.3 85.9#

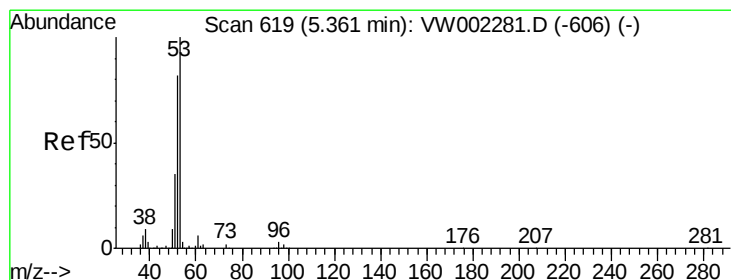
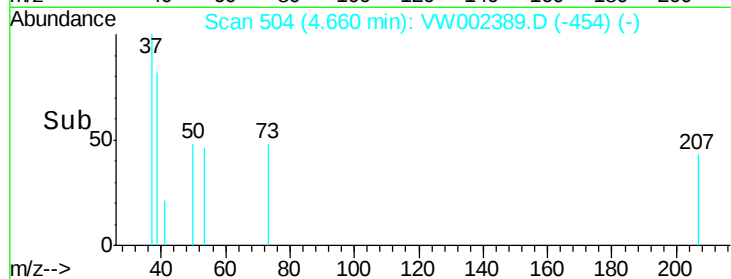
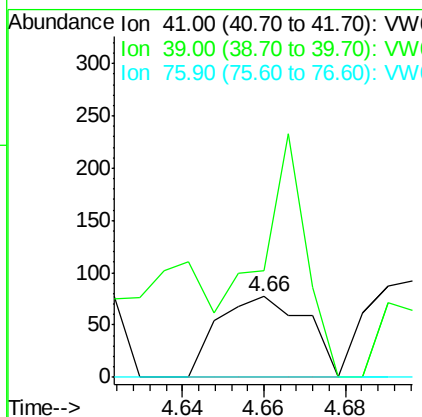
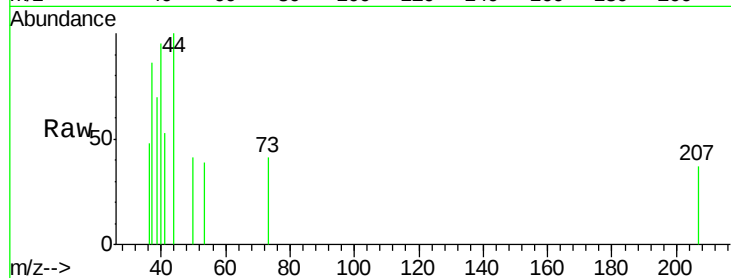




#14
 Allvl chloride
 Concen: 1.37 ug/l
 RT: 4.66 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VW002389.D
 Acq: 10 May 2018 18:56

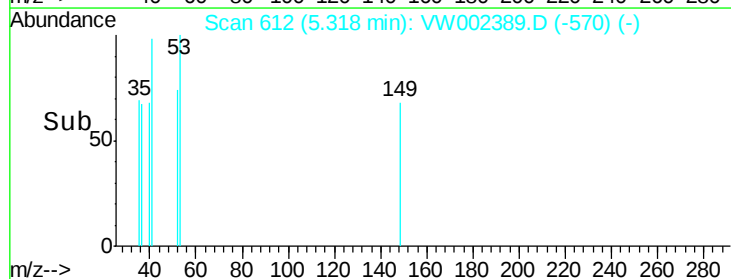
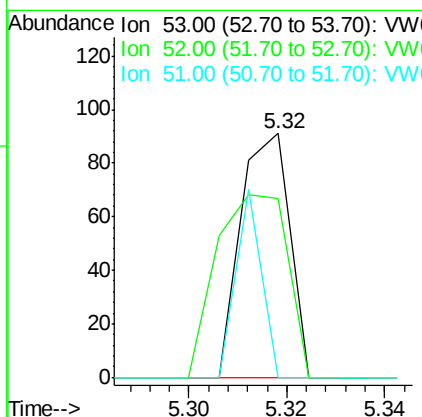
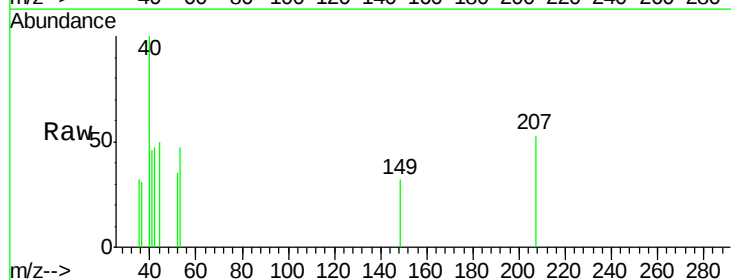
Instrument :
 MSVOA_W
 ClientSampled :

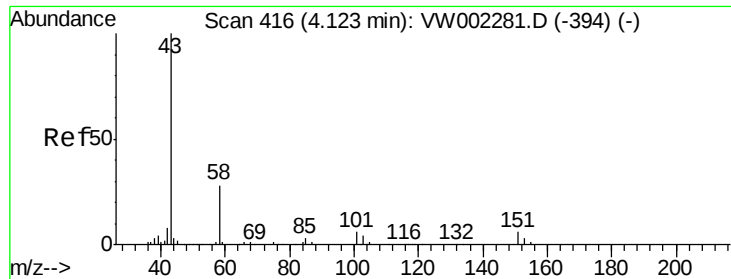
Tot Ion: 41 Resp: 116
 Ion Ratio Lower Upper
 41 100
 39 163.8 61.7 92.5#
 76 0.0 29.8 44.6#



#15
 Acrylonitrile
 Concen: 4.35 ug/l
 RT: 5.32 min Scan# 612
 Delta R.T. -0.04 min
 Lab File: VW002389.D
 Acq: 10 May 2018 18:56

Tgt Ion: 53 Resp: 63
 Ion Ratio Lower Upper
 53 100
 52 109.5 67.9 101.9#
 51 41.3 30.0 45.0





#16

Acetone

Concen: 112.65 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.00 min

Lab File: VW002389.D

Acq: 10 May 2018 18:56

Instrument :

MSVOA_W

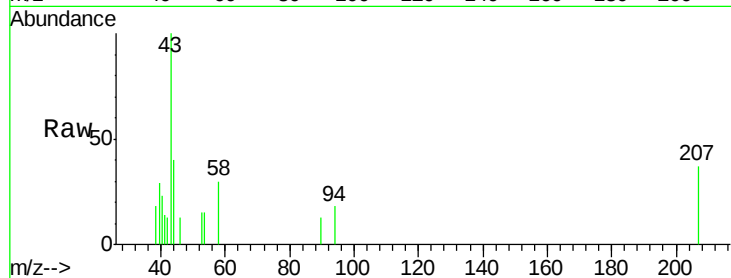
ClientSampled :

Tot Ion: 43 Resp: 1491

Ion Ratio Lower Upper

43 100

58 30.0 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

400

300

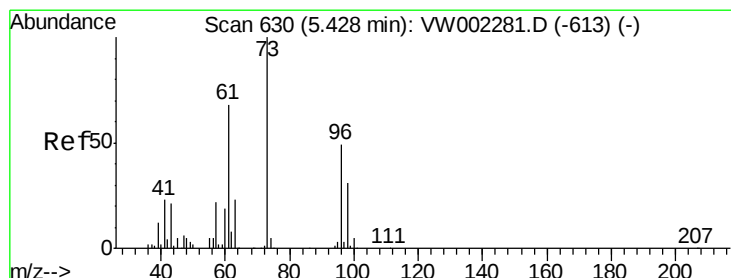
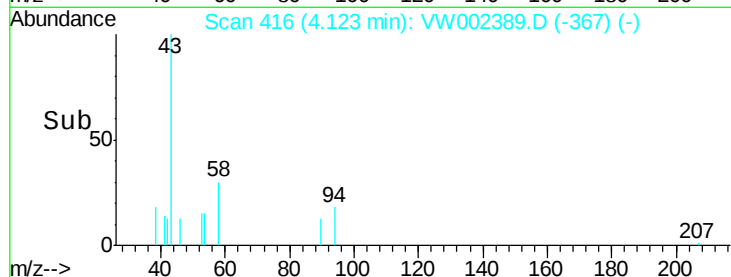
200

100

0

4.05 4.10 4.15 4.20

Time-->



#19

Methyl tert-butyl Ether

Concen: 1.41 ug/l

RT: 5.40 min Scan# 626

Delta R.T. -0.02 min

Lab File: VW002389.D

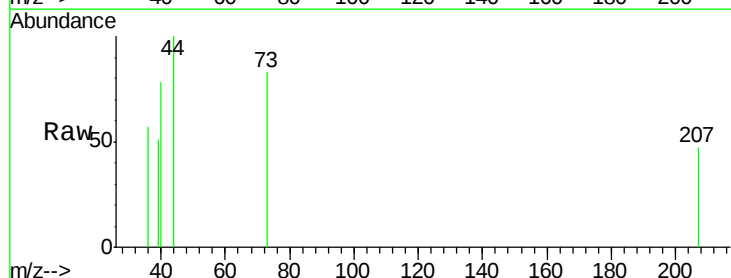
Acq: 10 May 2018 18:56

Tgt Ion: 73 Resp: 142

Ion Ratio Lower Upper

73 100

57 0.0 17.7 26.5#



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.40

120

100

80

60

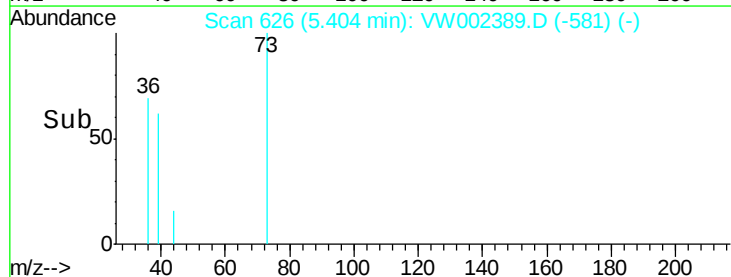
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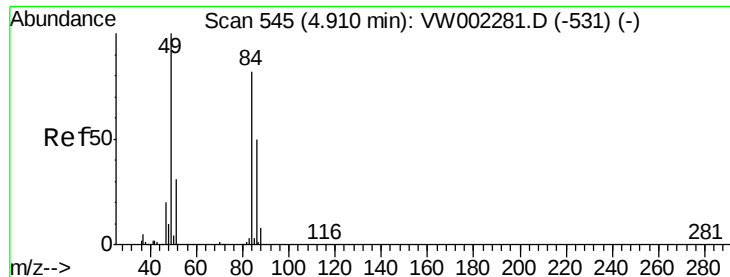
20

0

5.36 5.38 5.40 5.42

Time-->

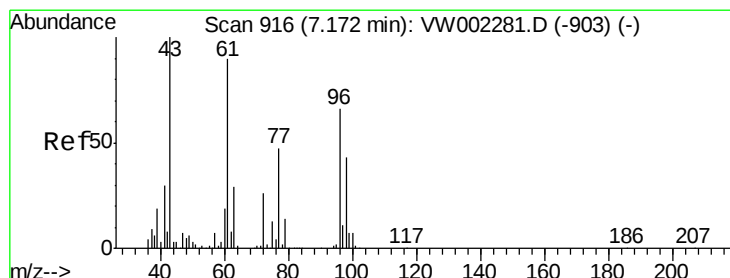
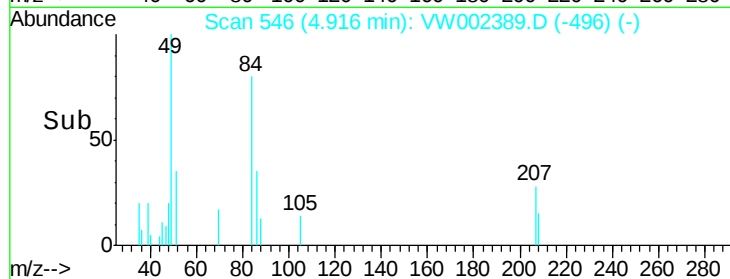
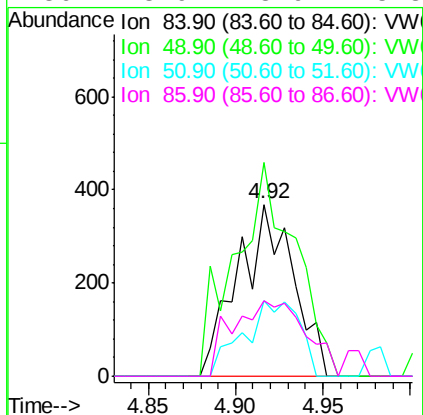
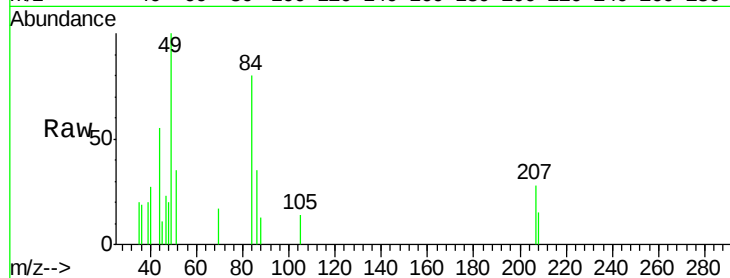




#20
Methvlene Chloride
Concen: 12.74 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW002389.D
Acq: 10 May 2018 18:56

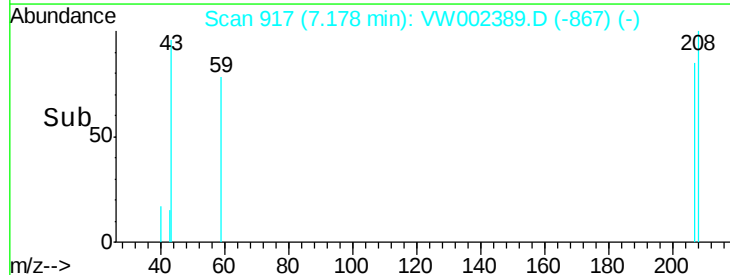
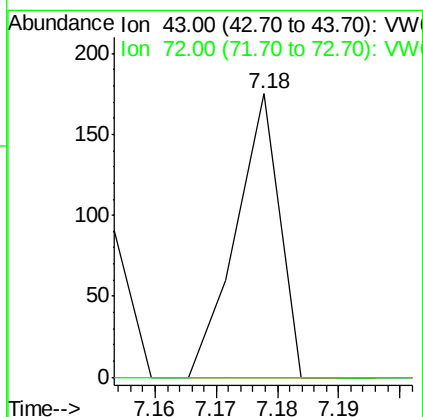
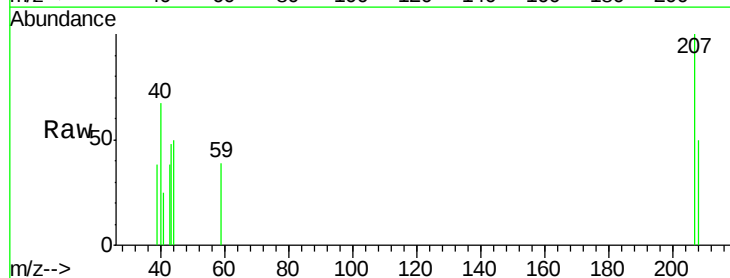
Instrument :
MSVOA_W
ClientSampled :

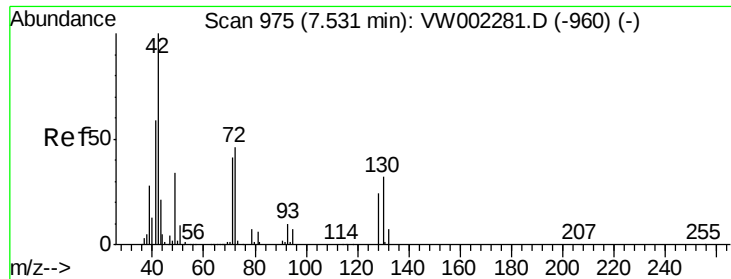
Tot Ion: 84 Resp: 813
Ion Ratio Lower Upper
84 100
49 124.4 97.7 146.5
51 43.9 30.2 45.4
86 43.9 48.9 73.3#



#25
2-Butanone
Concen: 4.38 ug/l
RT: 7.18 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW002389.D
Acq: 10 May 2018 18:56

Tgt Ion: 43 Resp: 86
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#

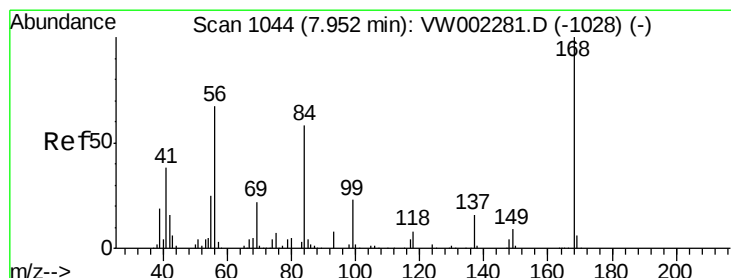
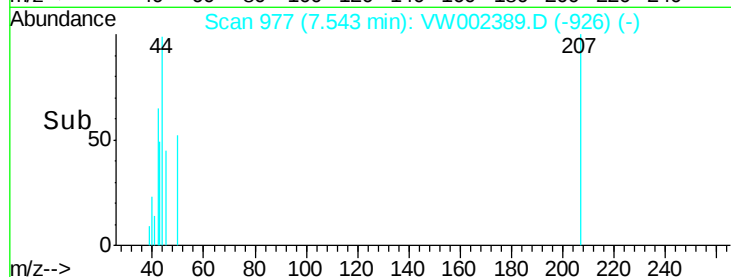
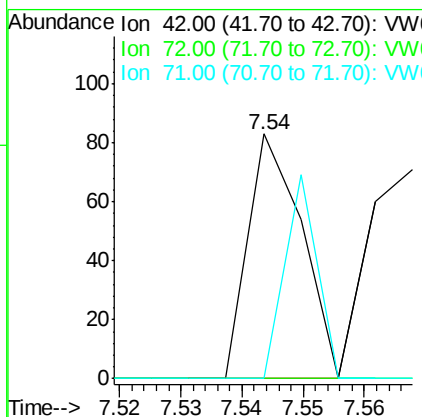
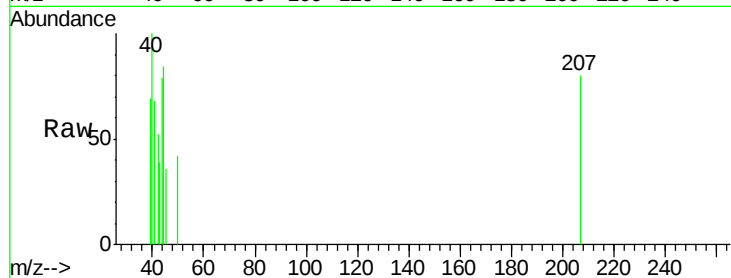




#29
Tetrahydrofuran
Concen: 3.88 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW002389.D
Acq: 10 May 2018 18:56

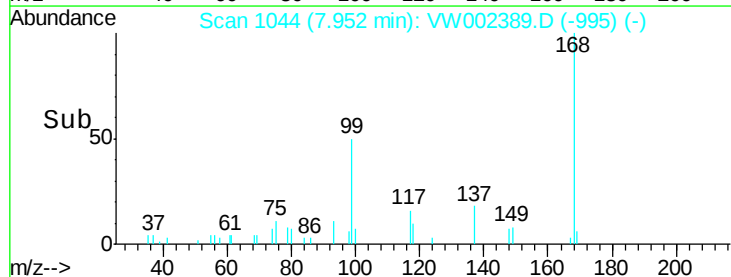
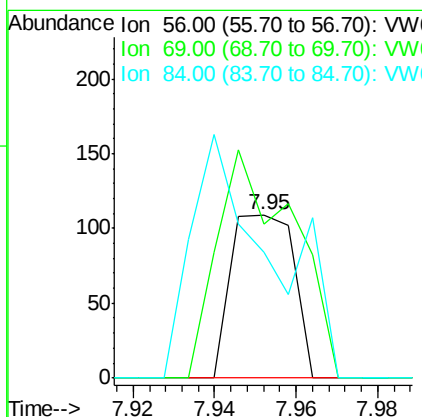
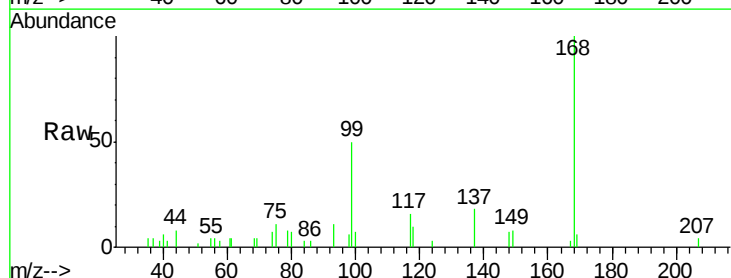
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MSVOA_W
ClientSampled :

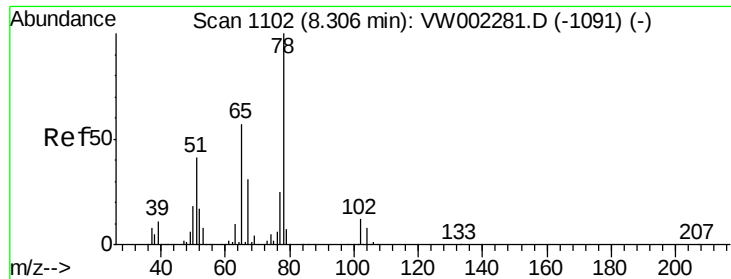
Tot Ion: 42 Resp: 50
Ion Ratio Lower Upper
42 100
72 0.0 34.5 51.7#
71 50.0 33.0 49.6#



#31
Cyclohexane
Concen: 1.16 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW002389.D
Acq: 10 May 2018 18:56

Tgt Ion: 56 Resp: 117
Ion Ratio Lower Upper
56 100
69 94.5 26.2 39.4#
84 77.1 69.2 103.8

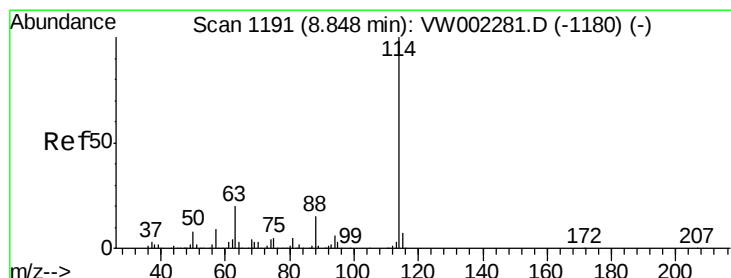
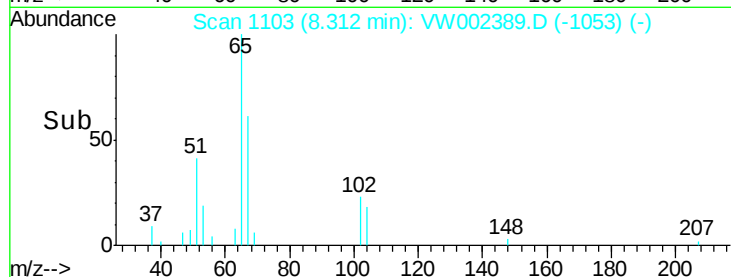
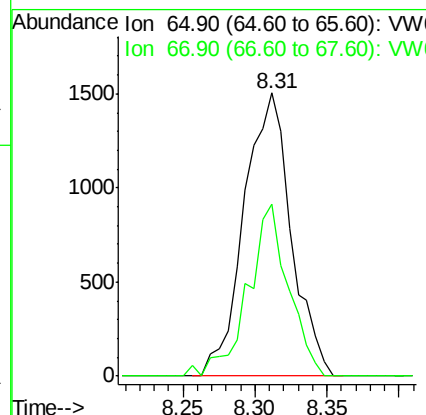
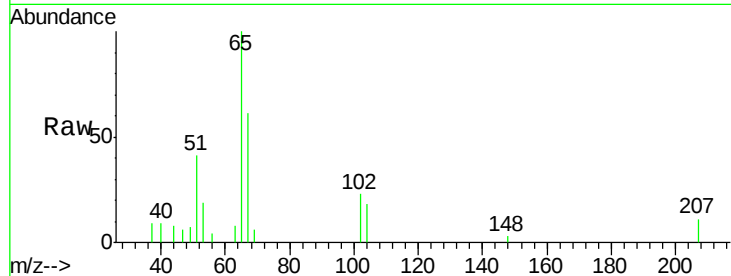




#33
 1,2-Dichloroethane-d4
 Concen: 50.42 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW002389.D
 Acq: 10 May 2018 18:56

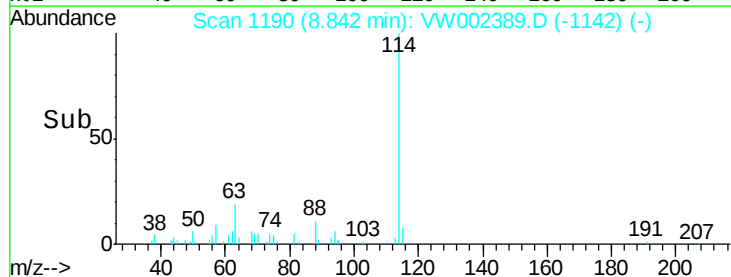
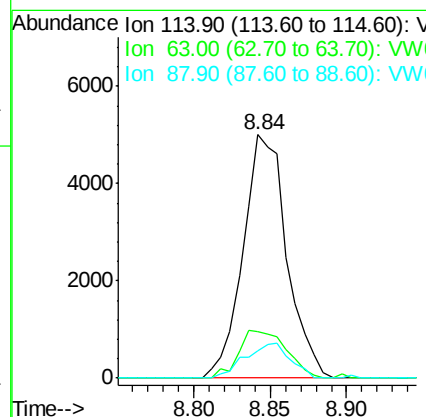
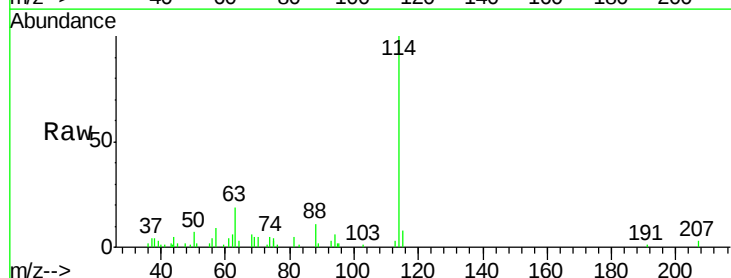
Instrument :
 MSVOA_W
 ClientSampleId :

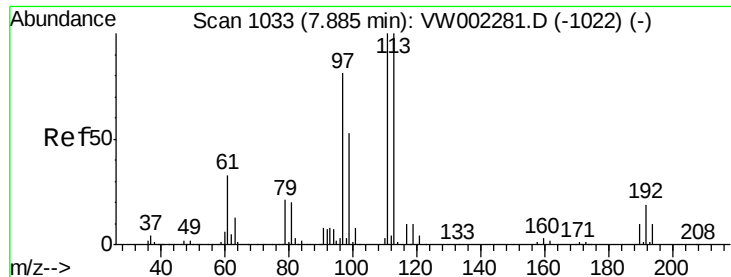
Tot Ion: 65 Resp: 3417
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW002389.D
 Acq: 10 May 2018 18:56

Tgt Ion: 114 Resp: 9926
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.0
 88 11.2 0.0 29.6

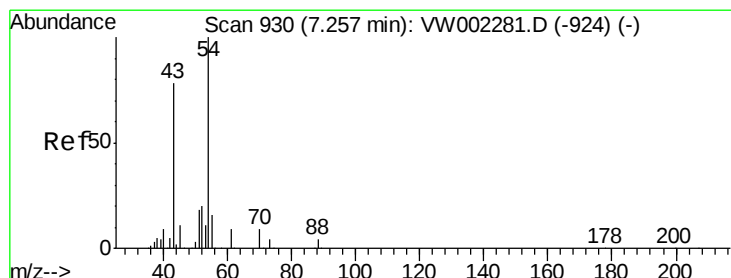
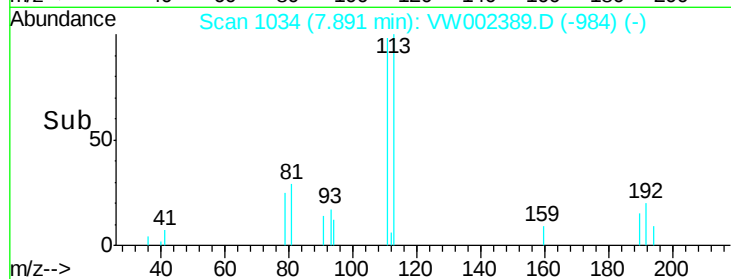
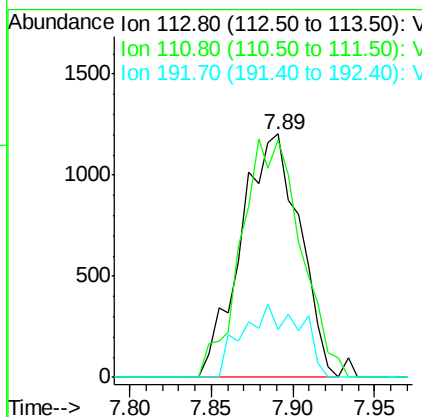
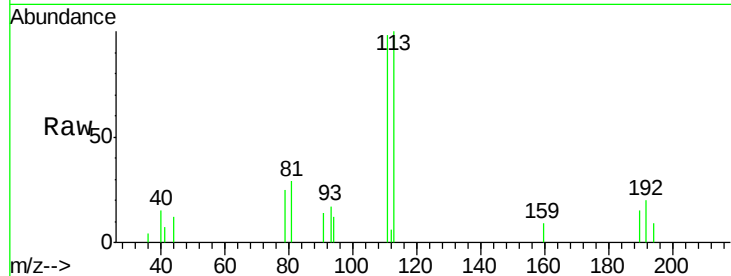




#35
 Dibromofluoromethane
 Concen: 47.36 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW002389.D
 Acq: 10 May 2018 18:56

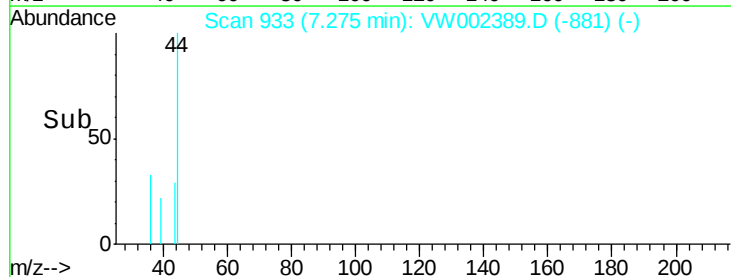
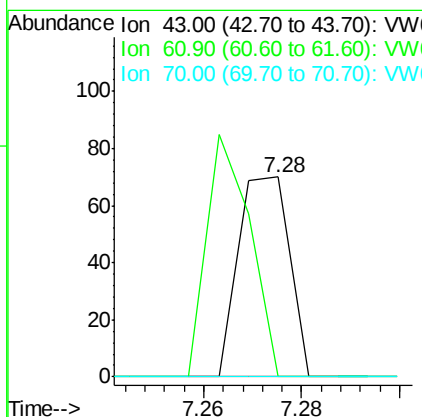
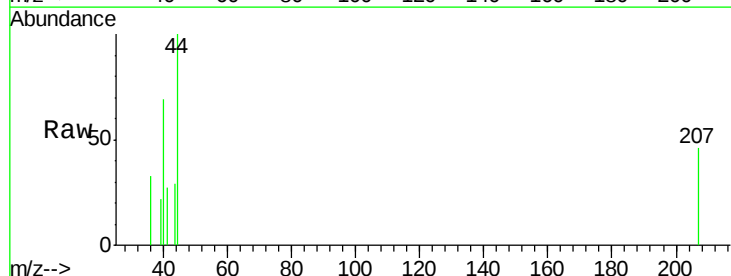
Instrument :
 MSVOA_W
 ClientSampleId :

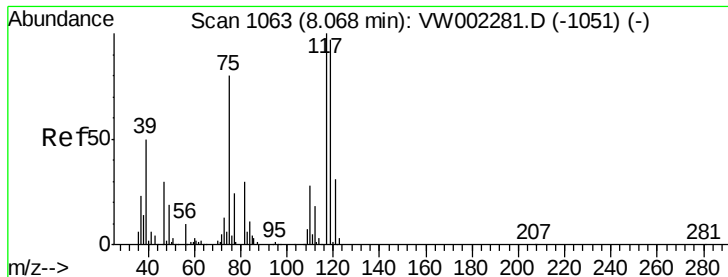
Tot Ion:113 Resp: 3013
 Ion Ratio Lower Upper
 113 100
 111 99.6 81.5 122.3
 192 29.6 16.4 24.6#



#37
 Ethyl Acetate
 Concen: 1.17 ug/l
 RT: 7.28 min Scan# 933
 Delta R.T. 0.02 min
 Lab File: VW002389.D
 Acq: 10 May 2018 18:56

Tgt Ion: 43 Resp: 51
 Ion Ratio Lower Upper
 43 100
 61 102.0 11.1 16.7#
 70 0.0 7.9 11.9#





#38

Carbon Tetrachloride

Concen: 8.67 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW002389.D

Acq: 10 May 2018 18:56

Instrument :

MSVOA_W

ClientSampled :

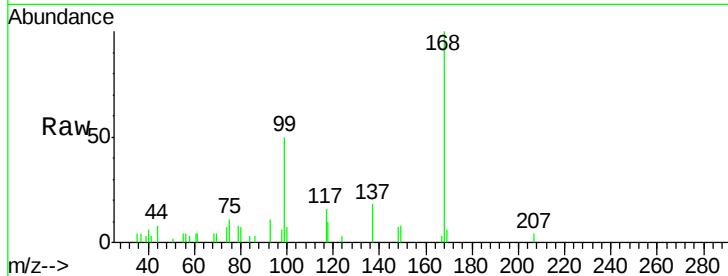
Tot Ion:117 Resp: 753

Ion Ratio Lower Upper

117 100

119 0.0 77.5 116.3#

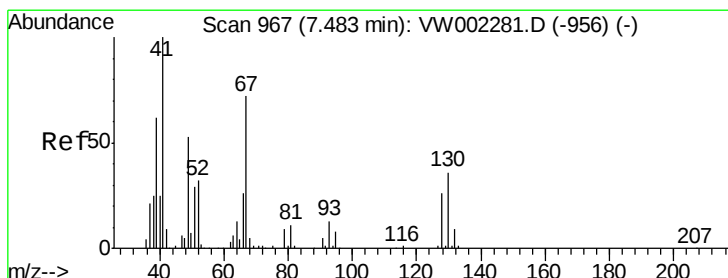
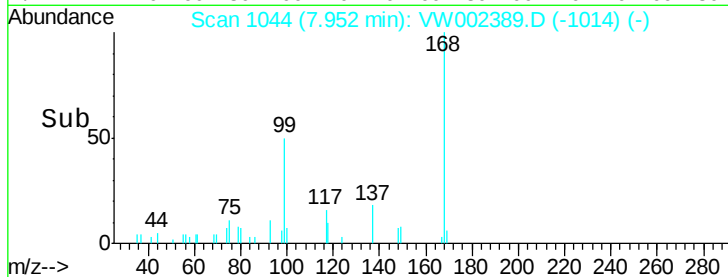
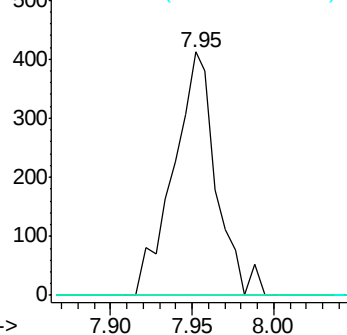
121 0.0 24.4 36.6#



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: 5.90 ug/l

RT: 7.46 min Scan# 964

Delta R.T. -0.02 min

Lab File: VW002389.D

Acq: 10 May 2018 18:56

Tgt Ion: 41 Resp: 148

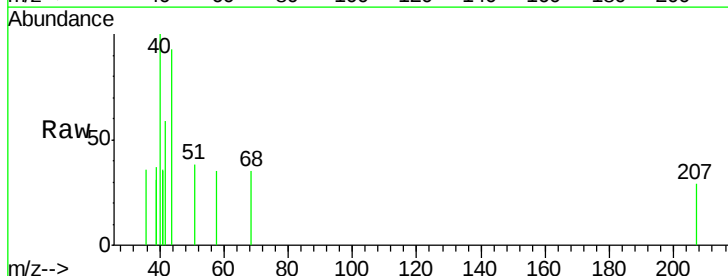
Ion Ratio Lower Upper

41 100

39 113.5 40.2 60.4#

67 0.0 54.7 82.1#

52 15.5 23.6 35.4#

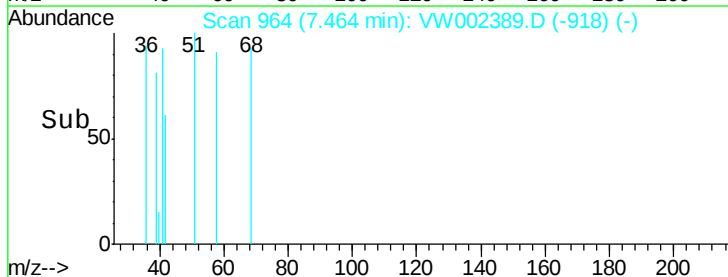
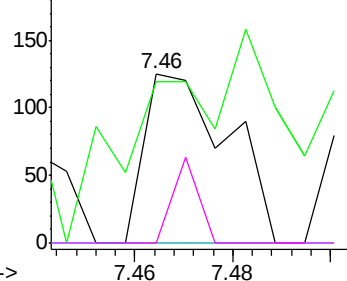


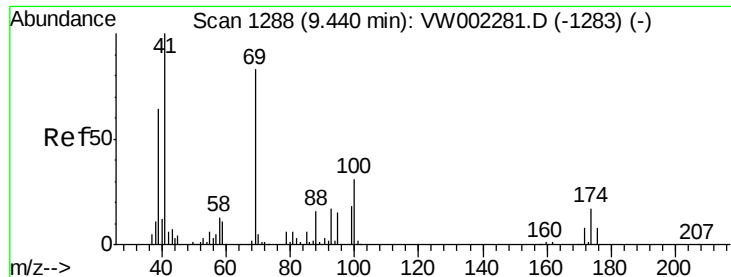
Abundance Ion 41.00 (40.70 to 41.70): VW

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

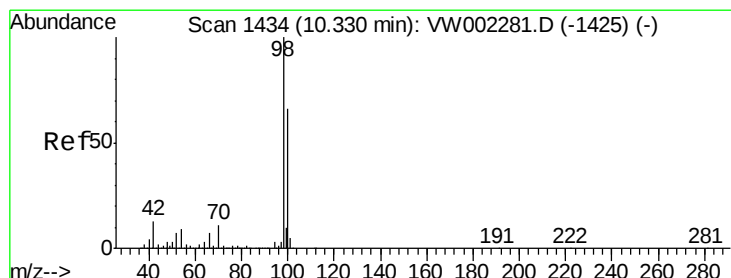
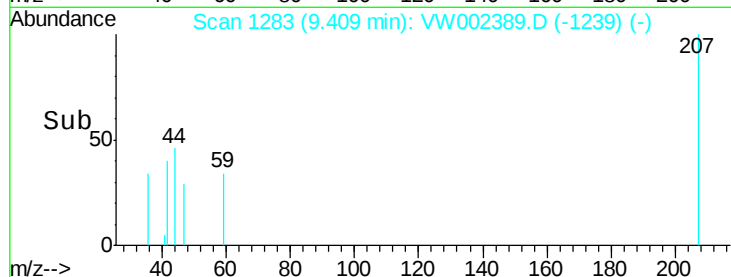
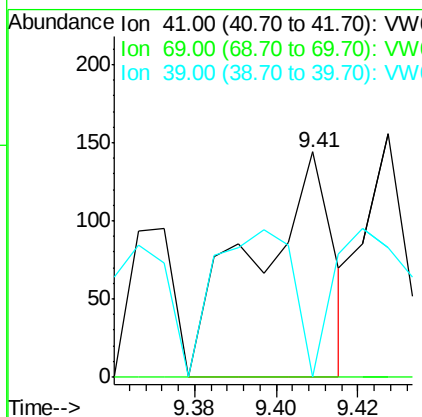
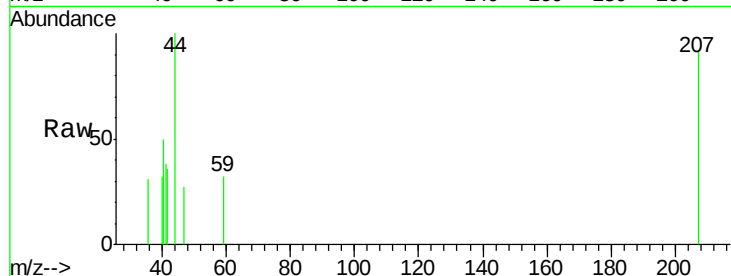




#48
Methvl methacrylate
Concen: 4.79 ug/l
RT: 9.41 min Scan# 1283
Delta R.T. -0.03 min
Lab File: VW002389.D
Acq: 10 May 2018 18:56

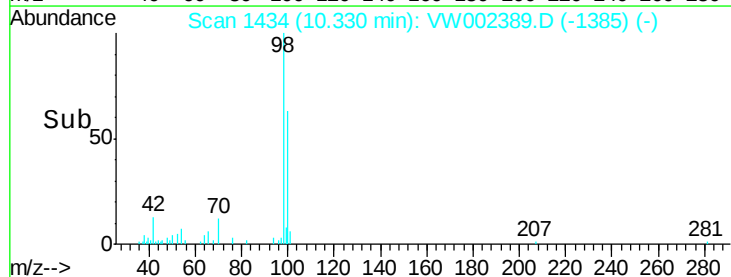
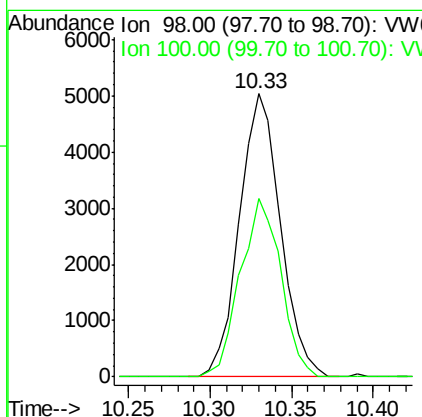
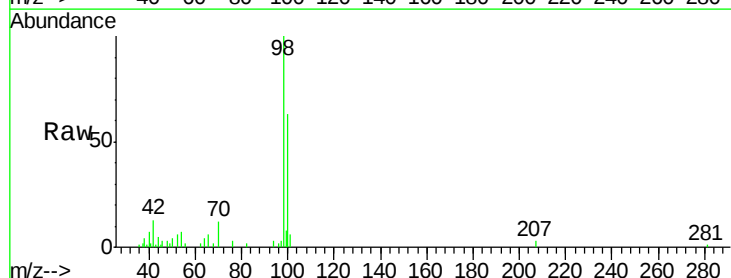
Instrument :
MSVOA_W
ClientSampleId :

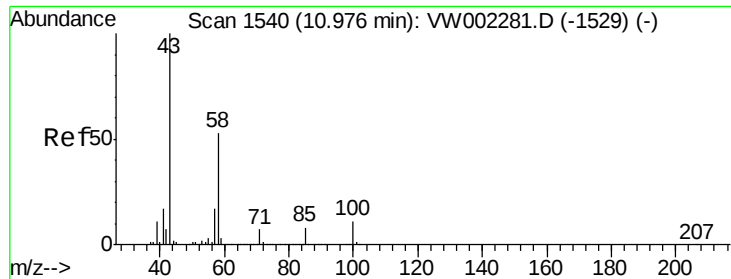
Tot Ion: 41 Resp: 193
Ion Ratio Lower Upper
41 100
69 0.0 69.9 104.9#
39 72.0 54.0 81.0



#50
Toluene-d8
Concen: 36.37 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW002389.D
Acq: 10 May 2018 18:56

Tgt Ion: 98 Resp: 8825
Ion Ratio Lower Upper
98 100
100 62.2 51.4 77.2





#59

2-Hexanone

Concen: 3.07 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.03 min

Lab File: VW002389.D

Acq: 10 May 2018 18:56

Instrument :

MSVOA_W

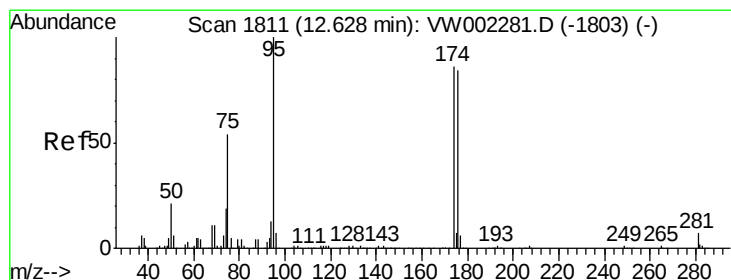
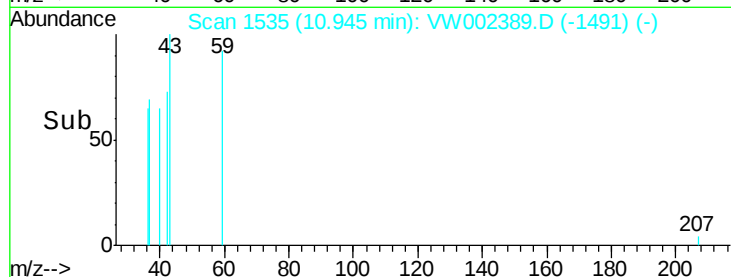
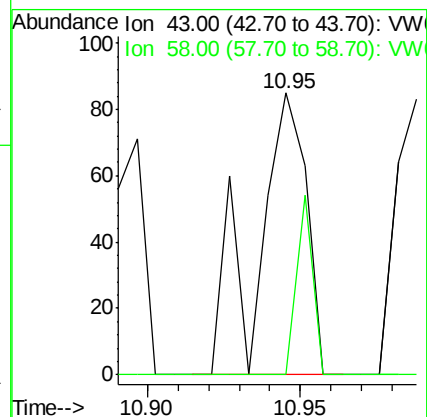
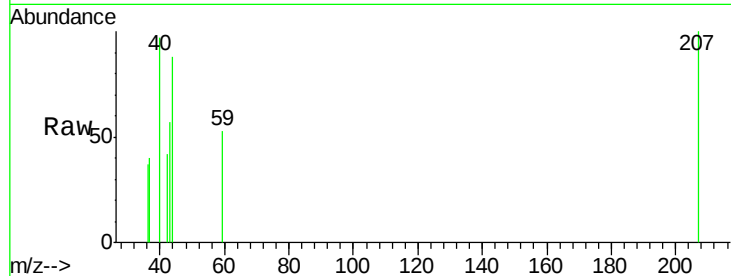
ClientSampleId :

Tot Ion: 43 Resp: 96

Ion Ratio Lower Upper

43 100

58 20.8 26.0 78.0#



#62

4-Bromofluorobenzene

Concen: 35.22 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW002389.D

Acq: 10 May 2018 18:56

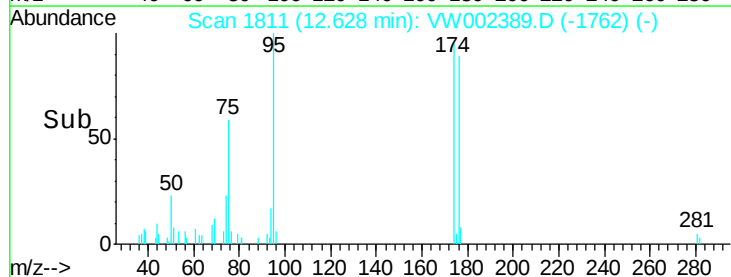
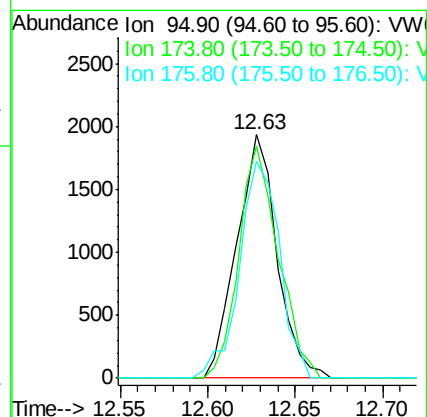
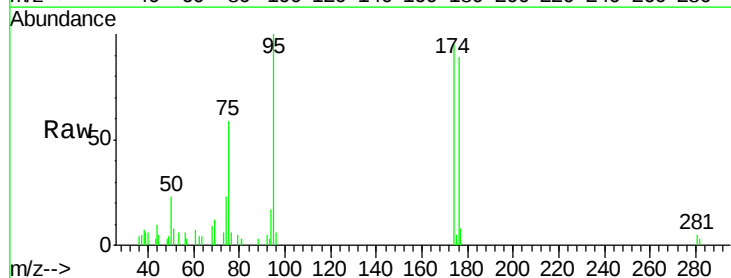
Tgt Ion: 95 Resp: 3088

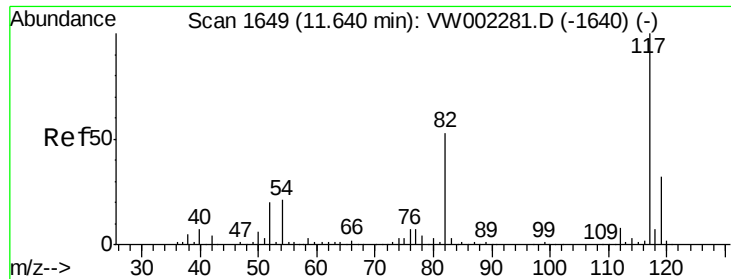
Ion Ratio Lower Upper

95 100

174 93.8 0.0 176.8

176 89.2 0.0 170.4

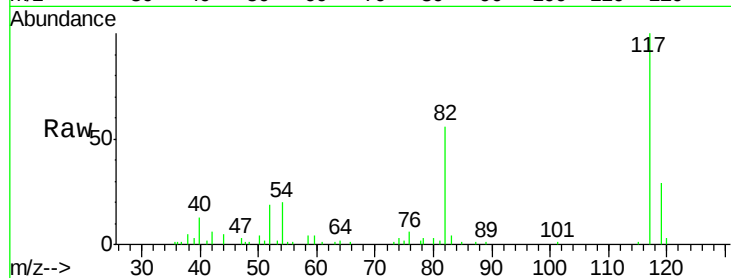




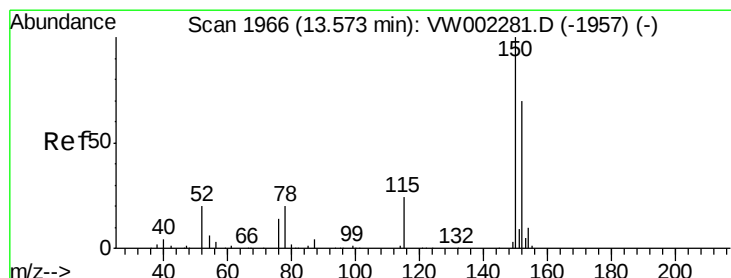
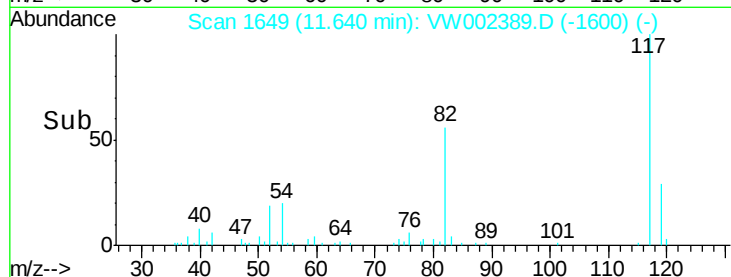
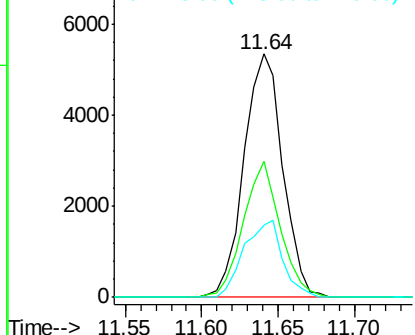
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW002389.D
Acq: 10 May 2018 18:56

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 9403
Ion Ratio Lower Upper
117 100
82 56.1 42.6 63.8
119 29.4 25.2 37.8

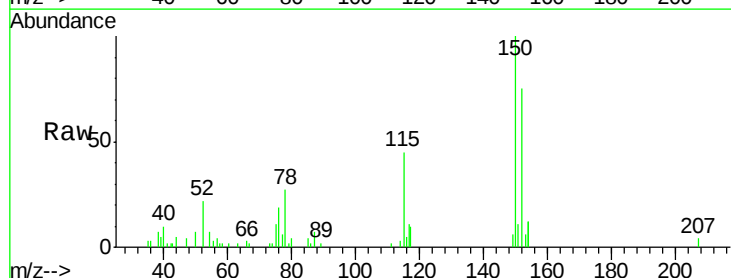


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

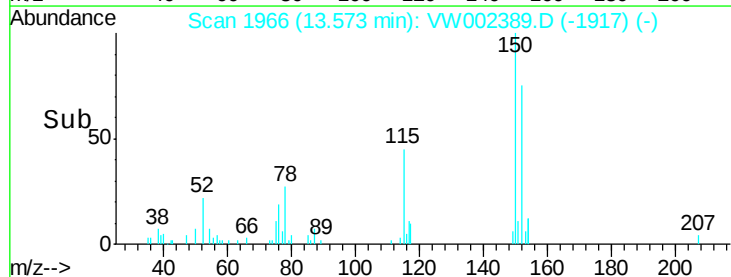
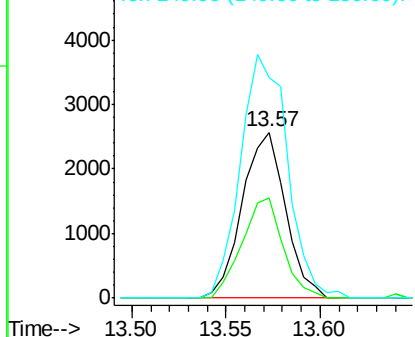


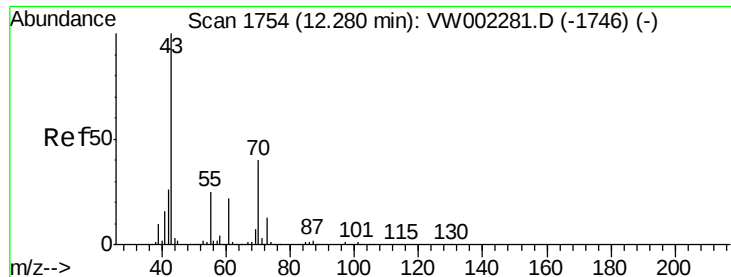
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VW002389.D
Acq: 10 May 2018 18:56

Tgt Ion:152 Resp: 4085
Ion Ratio Lower Upper
152 100
115 57.2 28.5 85.5
150 159.9 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





#74

N-amvl acetate

Concen: 2.05 ug/l

RT: 12.26 min Scan# 1751

Delta R.T. -0.02 min

Lab File: VW002389.D

Acq: 10 May 2018 18:56

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 136

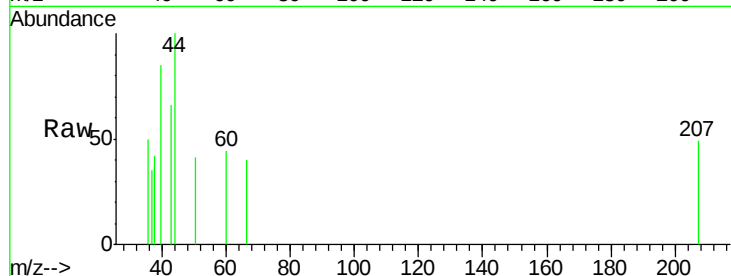
Ion Ratio Lower Upper

43 100

70 0.0 31.9 47.9#

55 15.4 19.9 29.9#

61 0.0 18.2 27.2#

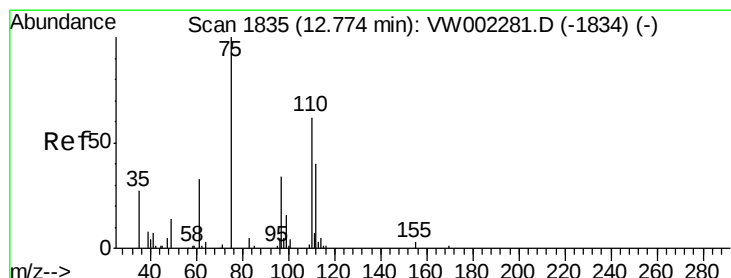
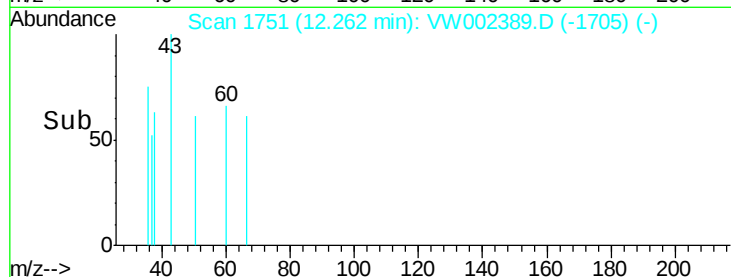
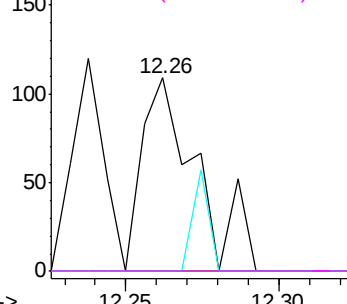


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 45.02 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002389.D

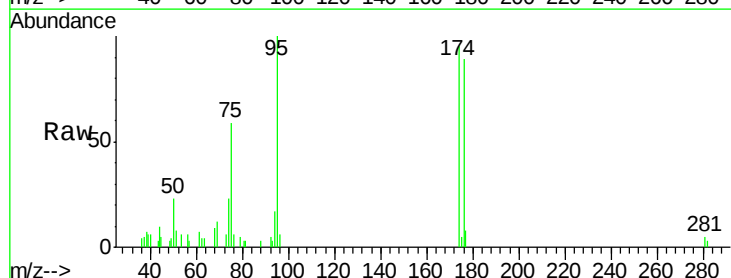
Acq: 10 May 2018 18:56

Tgt Ion: 75 Resp: 1631

Ion Ratio Lower Upper

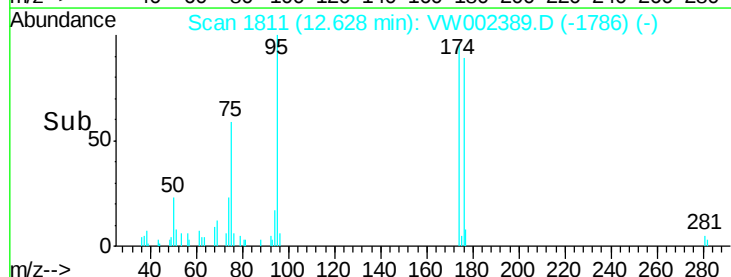
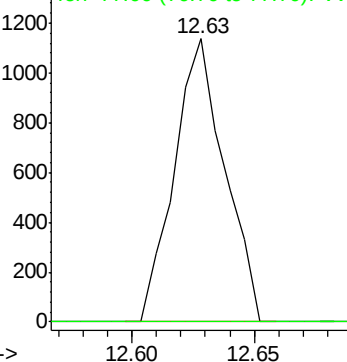
75 100

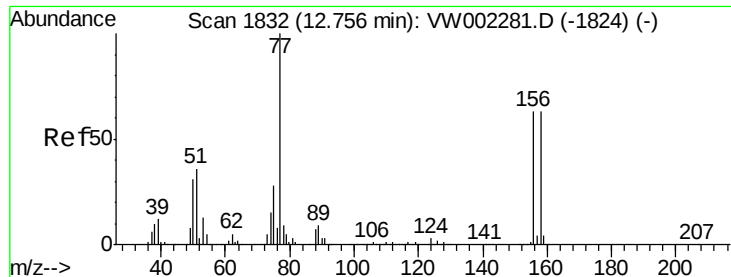
77 0.0 187.5 562.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 1.12 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.20 min

Lab File: VW002389.D

Acq: 10 May 2018 18:56

Instrument :

MSVOA_W

ClientSampled :

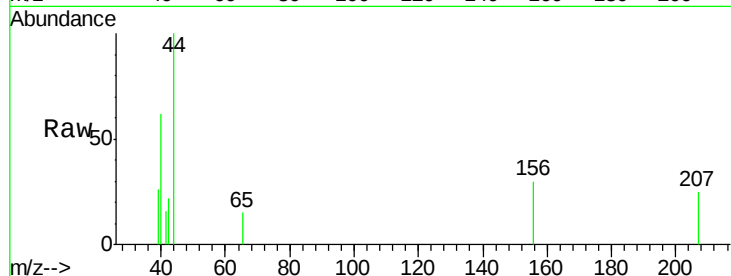
Tot Ion:156 Resp: 75

Ion Ratio Lower Upper

156 100

77 0.0 87.7 263.1#

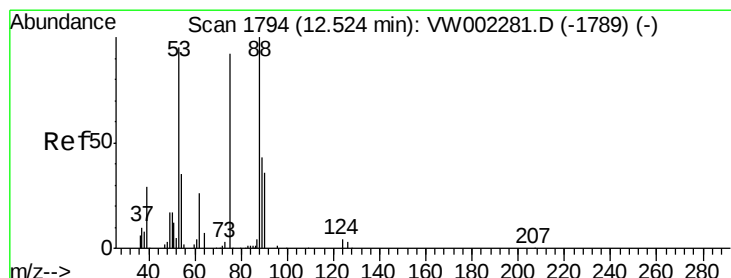
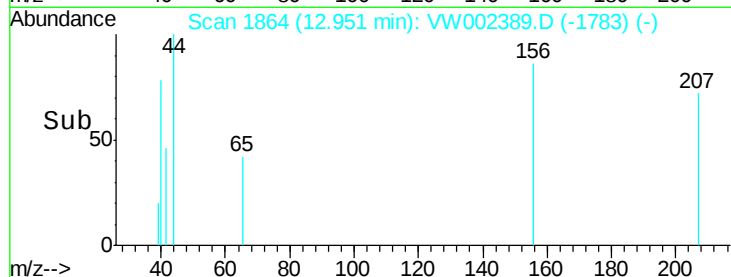
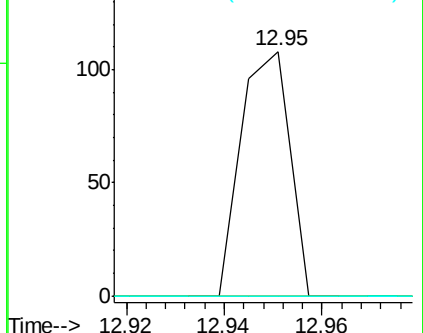
158 0.0 48.6 145.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 118.60 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002389.D

Acq: 10 May 2018 18:56

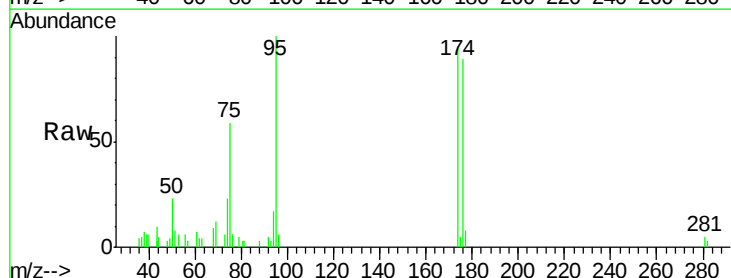
Tgt Ion: 75 Resp: 1631

Ion Ratio Lower Upper

75 100

53 5.5 79.9 119.9#

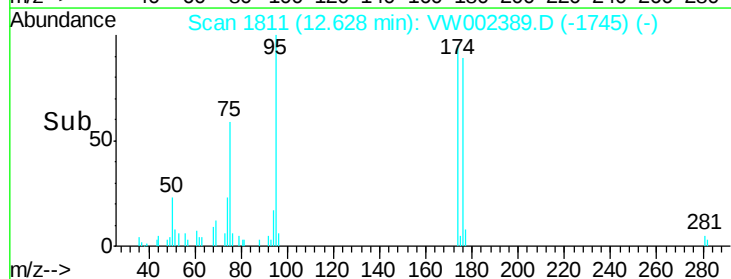
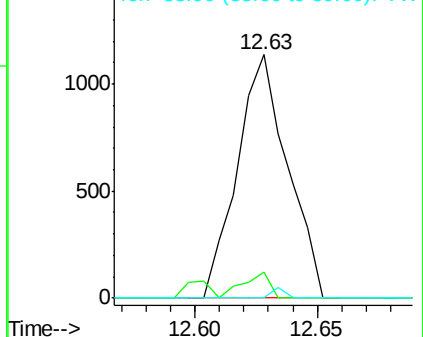
89 1.2 37.6 56.4#

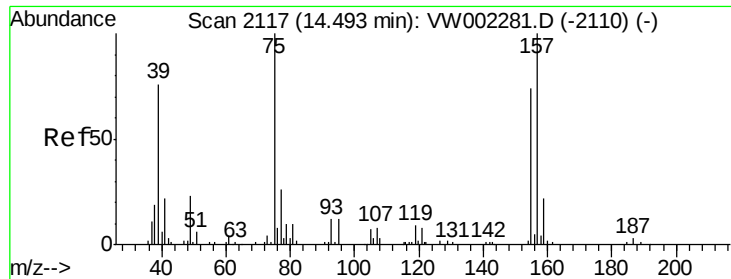


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.14 ug/l

RT: 14.57 min Scan# 2129

Delta R.T. 0.07 min

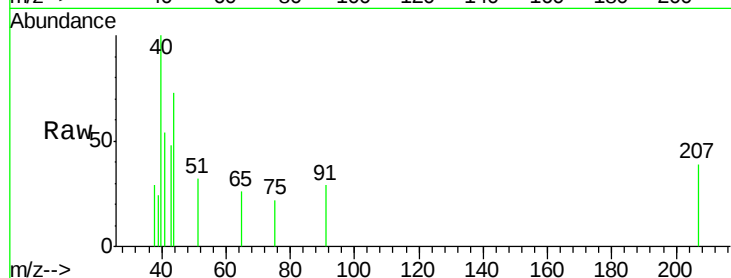
Lab File: VW002389.D

Acq: 10 May 2018 18:56

Instrument :

MSVOA_W

ClientSampleId :



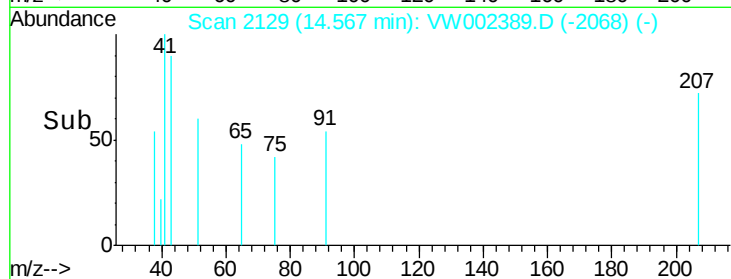
Tot Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

155 0.0 43.3 129.8#

157 0.0 55.8 167.4#



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

