

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070819\
 Data File : VX010721.D
 Acq On : 09 Jul 2019 01:56
 Operator : JC/SP
 Sample : K3690-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038MW050-190703

Quant Time: Jul 09 07:23:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	345181	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	322761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161715	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	110137	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
35) Dibromofluoromethane	5.50	113	104408	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	8.71	98	424036	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
62) 4-Bromofluorobenzene	11.13	95	147622	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1208	0.674	ug/l	92
4) Vinyl Chloride	1.41	62	806	0.410	ug/l #	51
5) Bromomethane	1.65	94	586	0.612	ug/l #	61
6) Chloroethane	1.72	64	337	0.291	ug/l #	74
11) Tert butyl alcohol	3.04	59	2984	5.490	ug/l #	74
13) Acrolein	2.39	56	2550	7.072	ug/l #	78
14) Allyl chloride	2.84	41	45134	16.556	ug/l #	65
15) Acrylonitrile	3.17	53	1027	0.954	ug/l #	41
16) Acetone	2.45	43	5568	5.349	ug/l #	87
18) Methyl Acetate	2.84	43	111496	53.739	ug/l #	48
20) Methylene Chloride	2.86	84	596	0.278	ug/l #	1
25) 2-Butanone	4.68	43	418	0.274	ug/l #	46
27) cis-1,2-Dichloroethene	4.59	96	562	0.235	ug/l	88
29) Tetrahydrofuran	5.13	42	247	0.261	ug/l #	47
31) Cyclohexane	5.59	56	2750	0.917	ug/l	93
36) 1,1-Dichloropropene	5.67	75	14055	5.124	ug/l #	47
38) Carbon Tetrachloride	5.66	117	19823	6.674	ug/l #	15
39) Methylcyclohexane	7.45	83	26875	7.454	ug/l #	34
40) Benzene	6.13	78	2157	0.252	ug/l	99
43) Isopropyl Acetate	6.35	43	154810	33.159	ug/l #	57
48) Methyl methacrylate	7.85	41	17321	7.982	ug/l	97
49) 1,4-Dioxane	7.76	88	47	0.752	ug/l #	28
51) 4-Methyl-2-Pentanone	8.39	43	929	0.311	ug/l	87
55) 1,1,2-Trichloroethane	9.17	97	10551	4.546	ug/l #	17
56) Ethyl methacrylate	9.16	69	2278	0.648	ug/l #	1
65) Chlorobenzene	10.13	112	131381	20.050	ug/l	99
73) Isopropylbenzene	11.02	105	48188	4.396	ug/l	99
74) N-amyl acetate	10.91	43	1244	0.300	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	4273	1.177	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	71705	24.333	ug/l #	33
78) n-propylbenzene	11.36	91	3382	0.281	ug/l	99
80) 1,3,5-Trimethylbenzene	11.66	105	2180	0.241	ug/l	72
81) trans-1,4-Dichloro-2-buten	11.13	75	71705	56.765	ug/l #	16
83) tert-Butylbenzene	11.77	119	65309	7.200	ug/l	91

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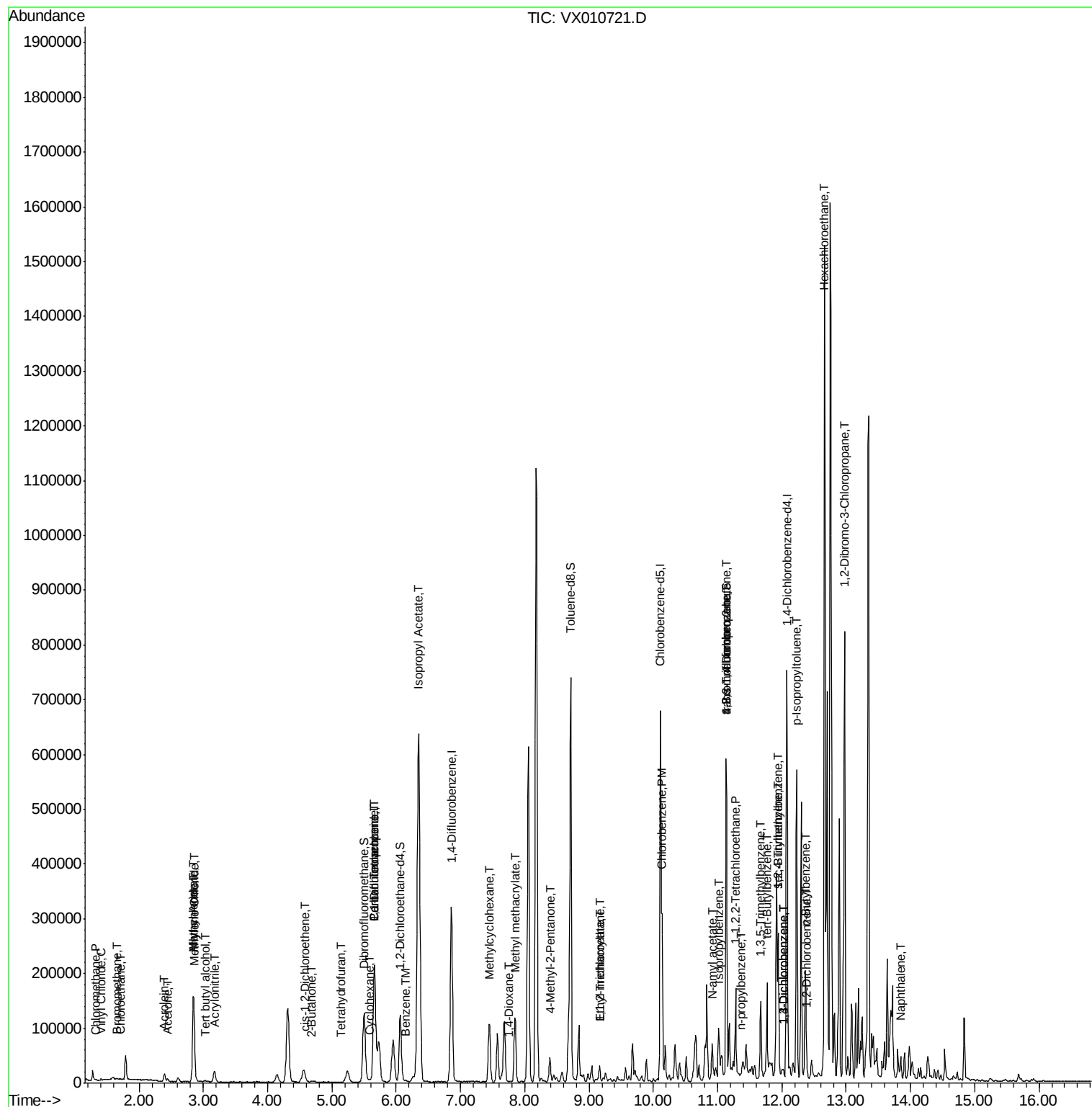
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	11.94	105	136105	14.990	ug/l #	30
85) sec-Butylbenzene	11.94	105	136105	12.780	ug/l #	55
86) p-Isopropyltoluene	12.23	119	243794	24.749	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	3184	0.596	ug/l	91
88) 1,4-Dichlorobenzene	12.02	146	3184	0.585	ug/l	90
89) n-Butylbenzene	12.37	91	7856	0.939	ug/l #	27
90) Hexachloroethane	12.67	117	71023	41.697	ug/l #	5
91) 1,2-Dichlorobenzene	12.39	146	2177	0.410	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.97	75	2864	3.659	ug/l #	1
95) Naphthalene	13.83	128	2284	0.202	ug/l #	39

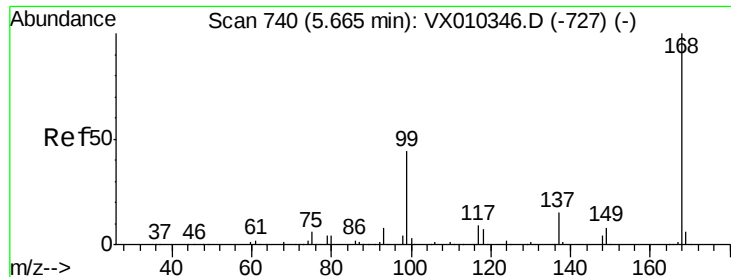
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

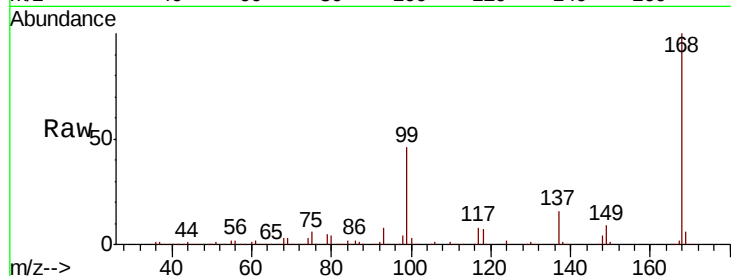
SS038MW050-190703

Tot Ion:168 Resp: 221539

Ion Ratio Lower Upper

168 100

99 46.3 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

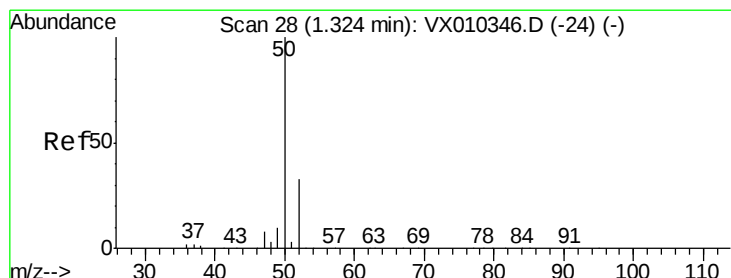
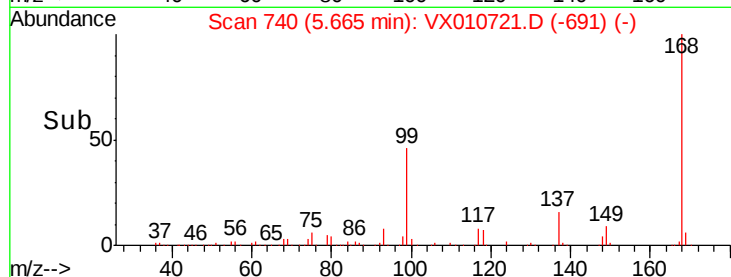
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.674 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010721.D

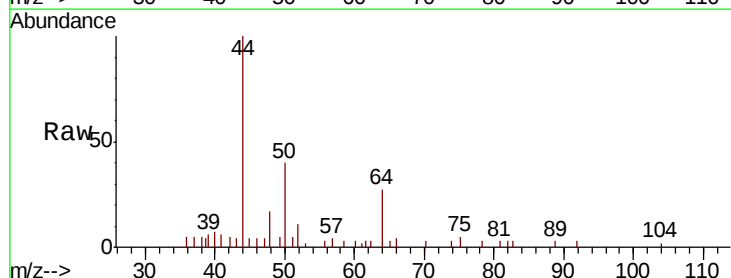
Acq: 09 Jul 2019 01:56

Tgt Ion: 50 Resp: 1208

Ion Ratio Lower Upper

50 100

52 28.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1000

800

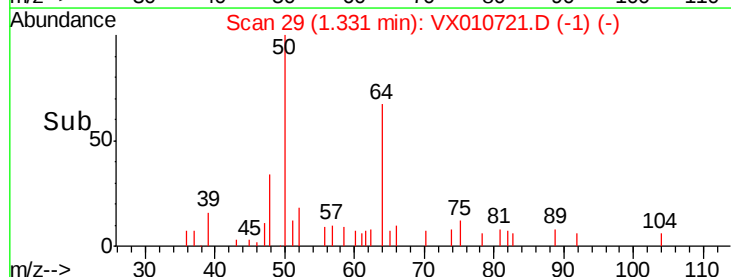
600

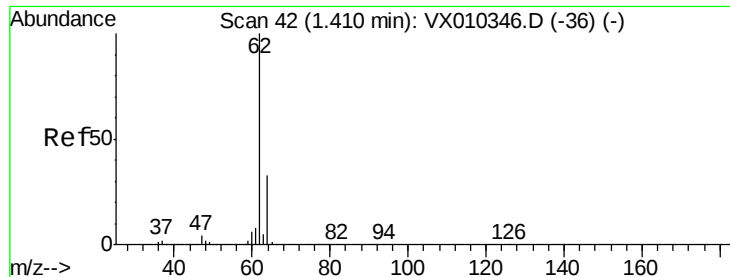
400

200

0

Time--> 1.30 1.35 1.40





#4

Vinyl Chloride

Concen: 0.410 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

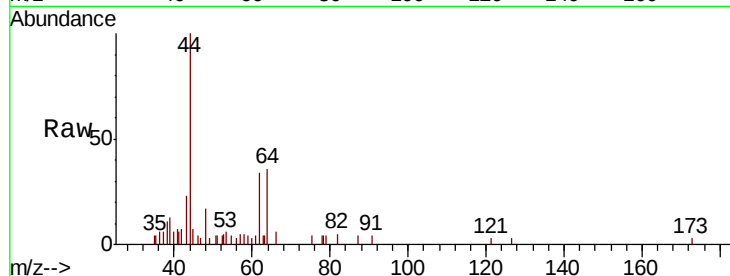
SS038MW050-190703

Tot Ion: 62 Resp: 806

Ion Ratio Lower Upper

62 100

64 60.6 26.2 39.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

800

600

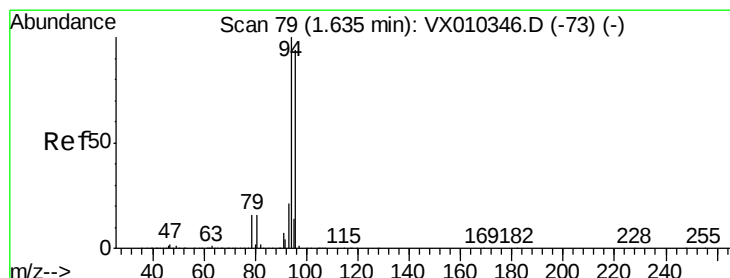
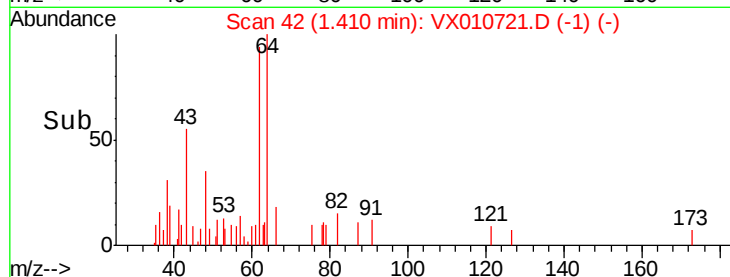
400

200

0

1.35 1.40 1.45

Time-->



#5

Bromomethane

Concen: 0.612 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010721.D

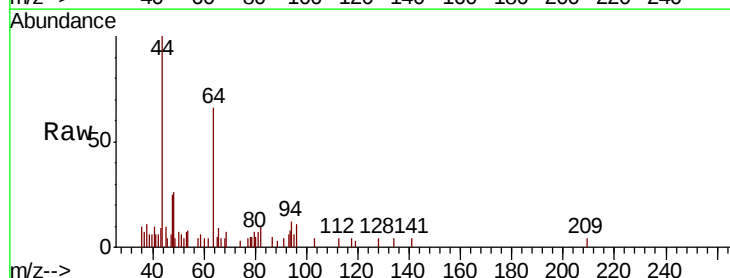
Acq: 09 Jul 2019 01:56

Tgt Ion: 94 Resp: 586

Ion Ratio Lower Upper

94 100

96 56.8 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

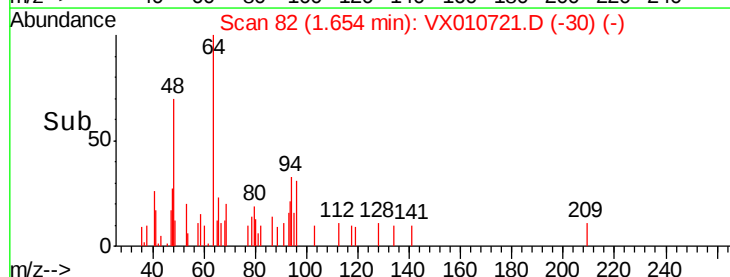
200

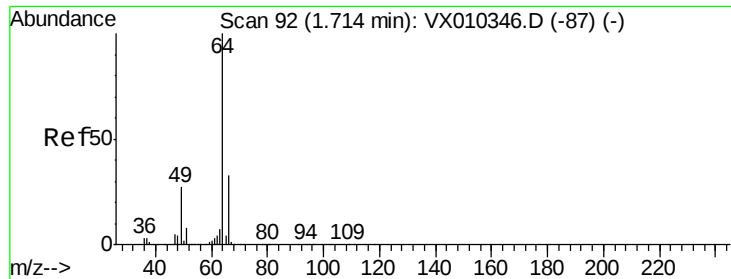
100

0

1.60 1.65 1.70

Time-->





#6

Chloroethane

Concen: 0.291 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

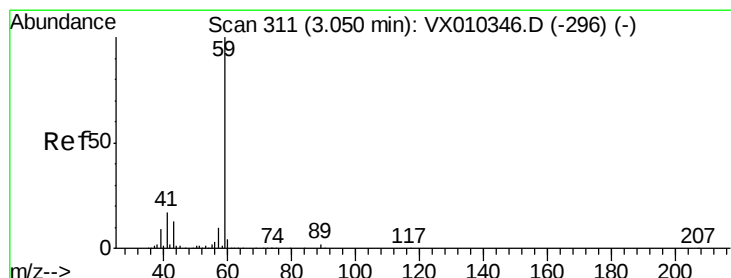
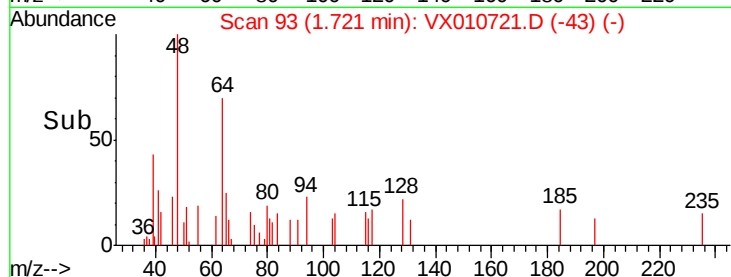
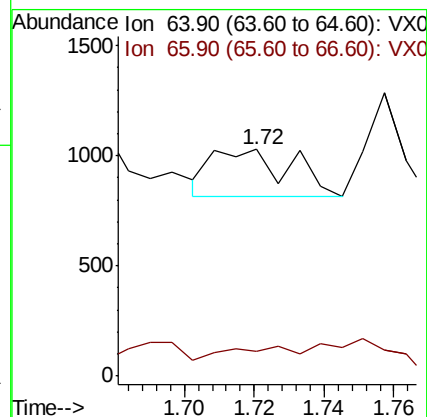
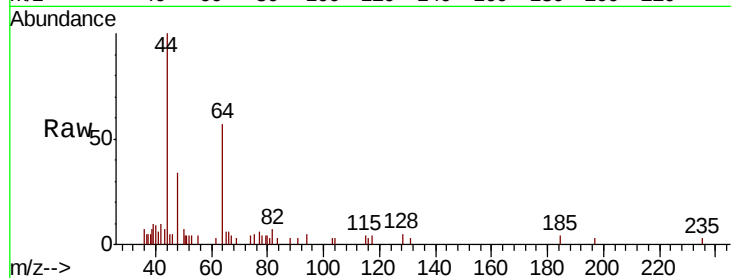
SS038MW050-190703

Tot Ion: 64 Resp: 337

Ion Ratio Lower Upper

64 100

66 18.7 26.6 40.0#



#11

Tert butyl alcohol

Concen: 5.490 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX010721.D

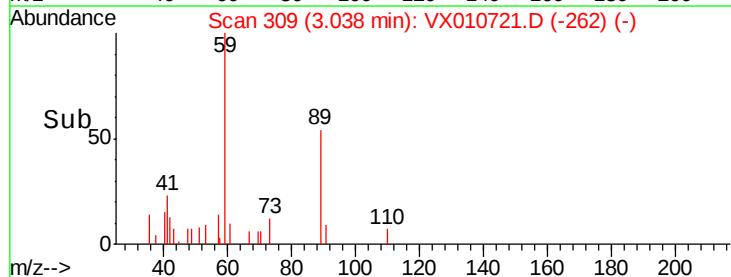
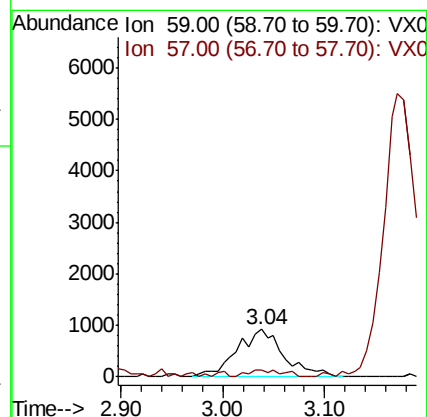
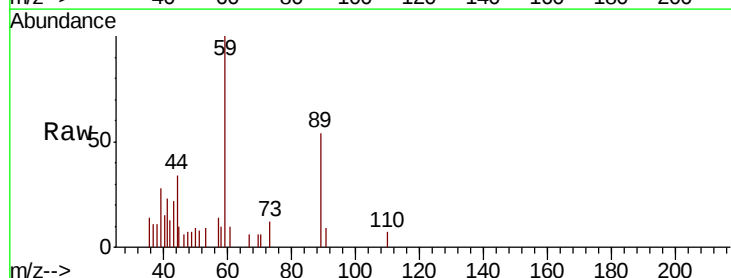
Acq: 09 Jul 2019 01:56

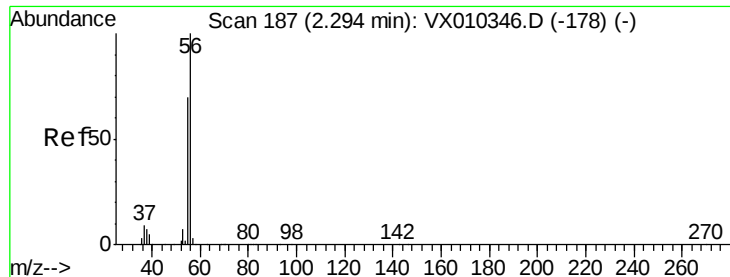
Tgt Ion: 59 Resp: 2984

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#





#13

Acrolein

Concen: 7.072 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.10 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

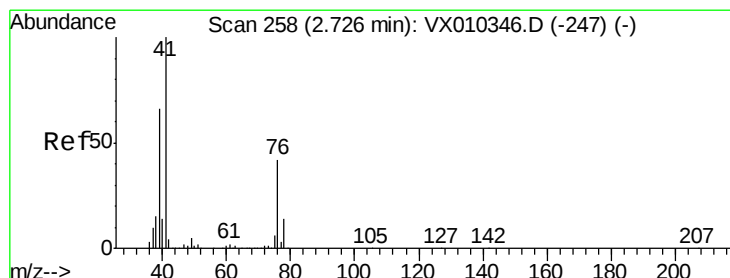
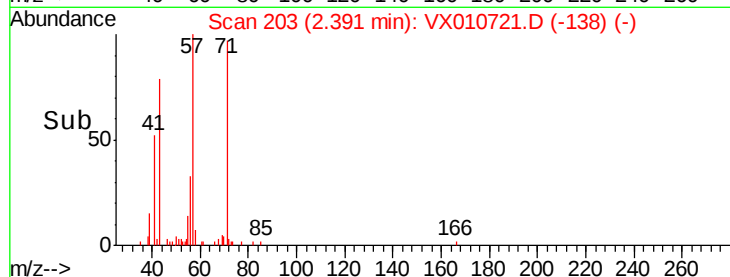
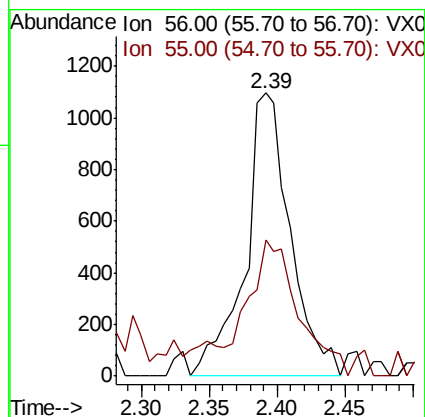
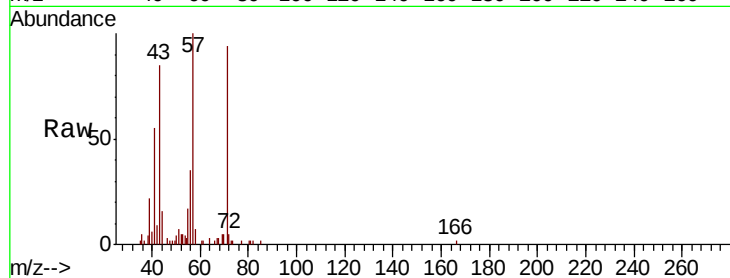
SS038MW050-190703

Tot Ion: 56 Resp: 2550

Ion Ratio Lower Upper

56 100

55 53.1 56.9 85.3#



#14

Allyl chloride

Concen: 16.556 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

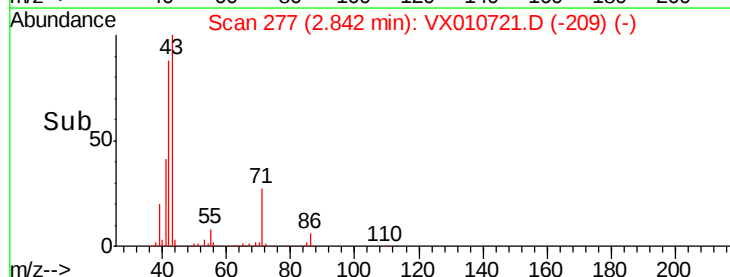
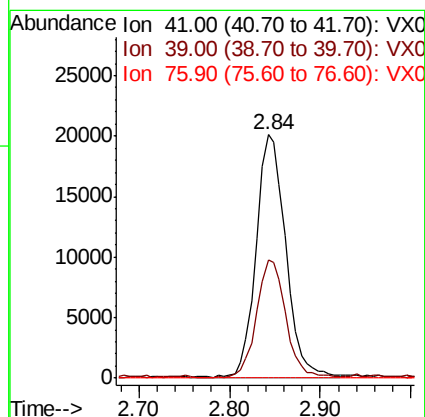
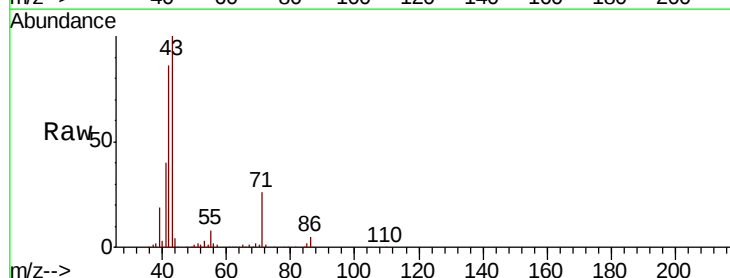
Tgt Ion: 41 Resp: 45134

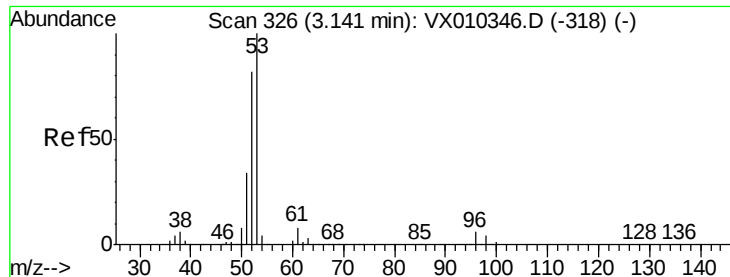
Ion Ratio Lower Upper

41 100

39 49.1 50.3 75.5#

76 0.0 31.3 46.9#





#15

Acrylonitrile

Concen: 0.954 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.03 min

Lab File: VX010721.D

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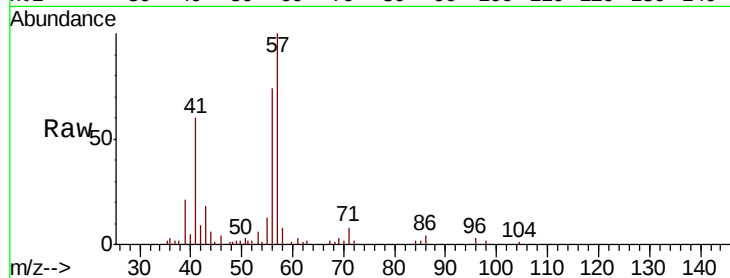
Tot Ion: 53 Resp: 1027

Ion Ratio Lower Upper

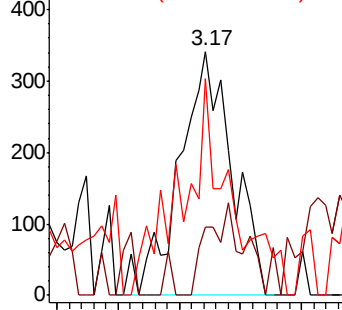
53 100

52 11.8 65.5 98.3#

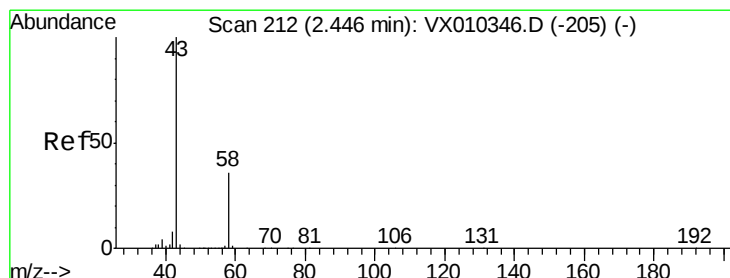
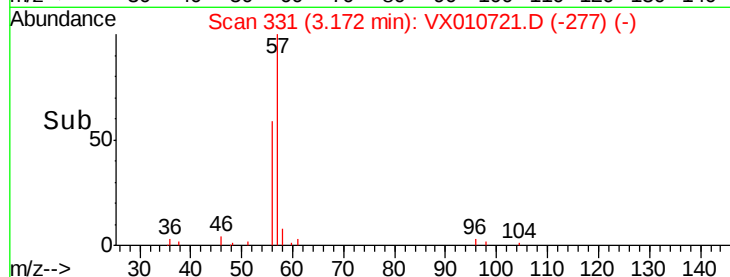
51 27.8 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 5.349 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010721.D

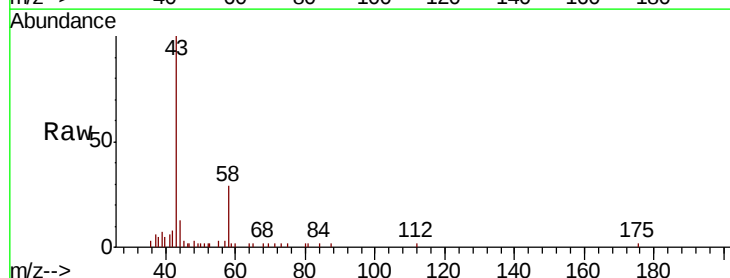
Acq: 09 Jul 2019 01:56

Tgt Ion: 43 Resp: 5568

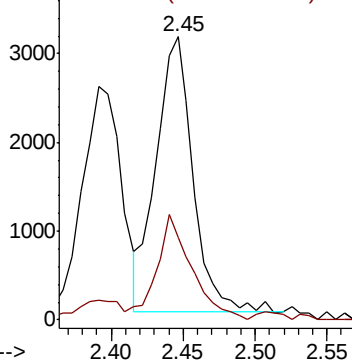
Ion Ratio Lower Upper

43 100

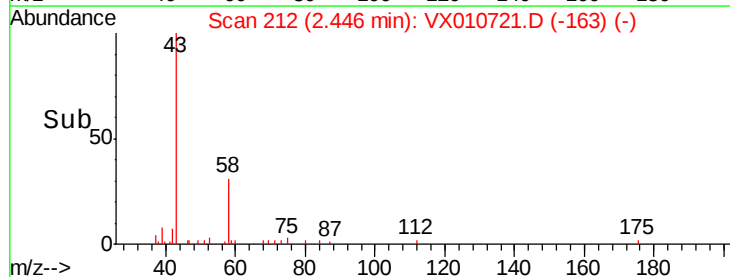
58 28.2 28.9 43.3#

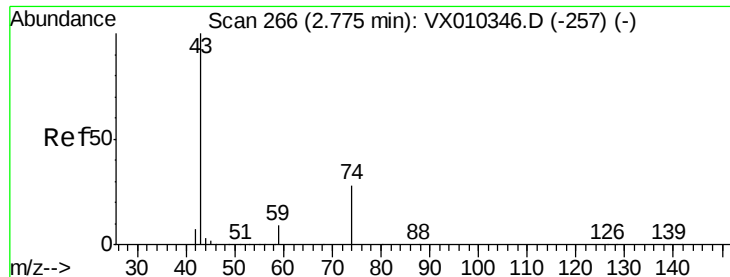


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



Time-->

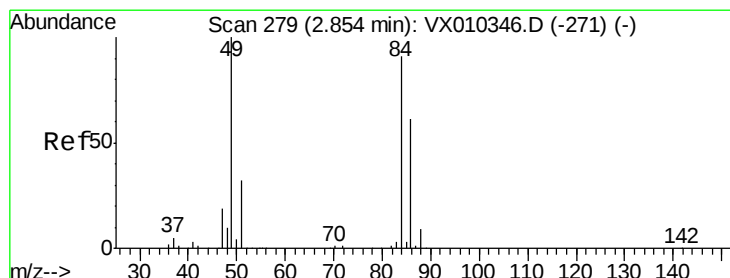
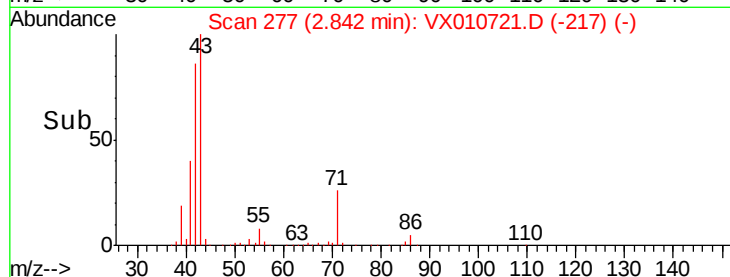
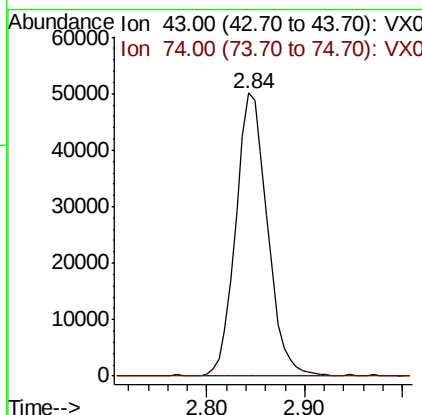
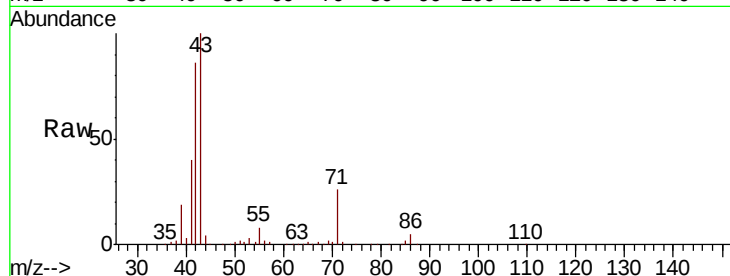




#18
Methyl Acetate
Concen: 53.739 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.07 min
Lab File: VX010721.D
Acq: 09 Jul 2019 01:56

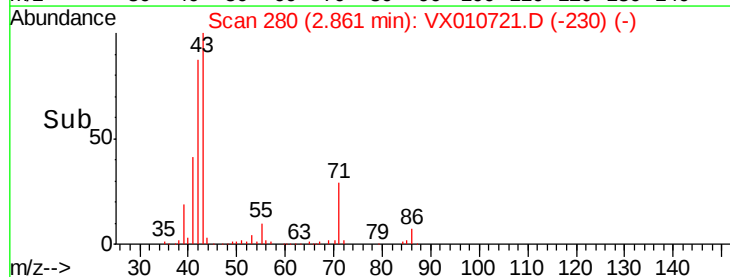
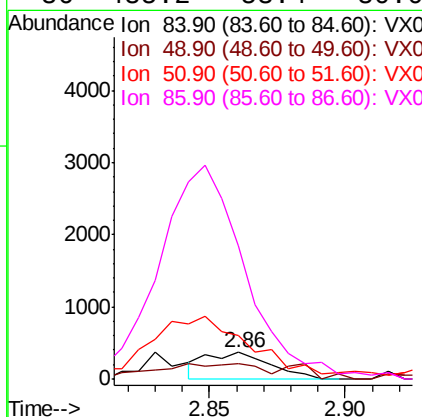
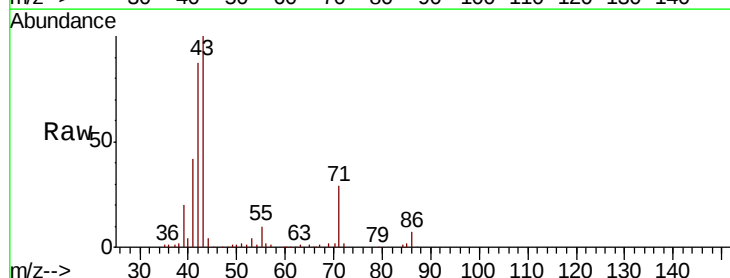
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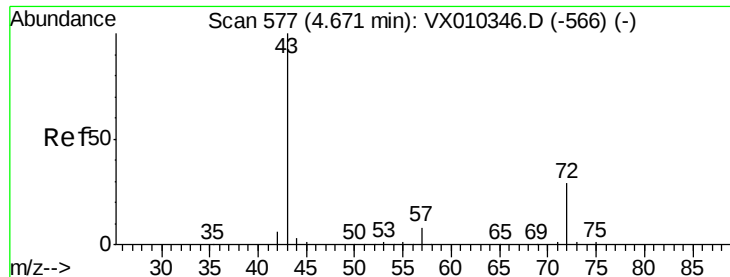
Tot Ion: 43 Resp: 111496
Ion Ratio Lower Upper
43 100
74 0.0 21.3 31.9#



#20
Methylene Chloride
Concen: 0.278 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010721.D
Acq: 09 Jul 2019 01:56

Tgt Ion: 84 Resp: 596
Ion Ratio Lower Upper
84 100
49 39.6 87.5 131.3#
51 144.5 27.7 41.5#
86 485.2 53.4 80.0#





#25

2-Butanone

Concen: 0.274 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

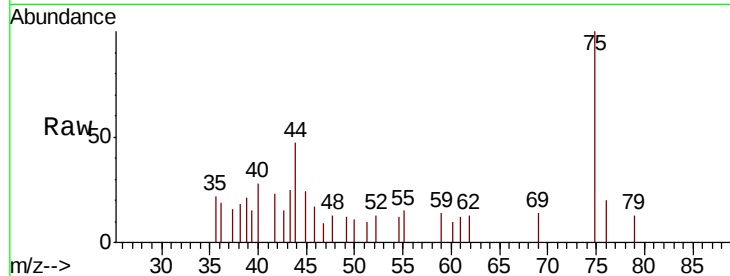
SS038MW050-190703

Tot Ion: 43 Resp: 418

Ion Ratio Lower Upper

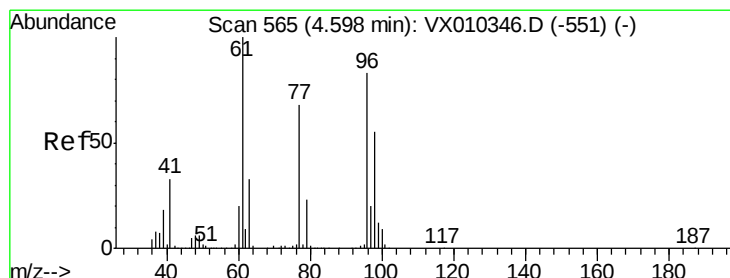
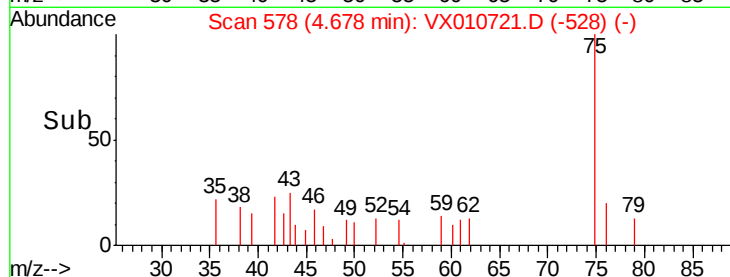
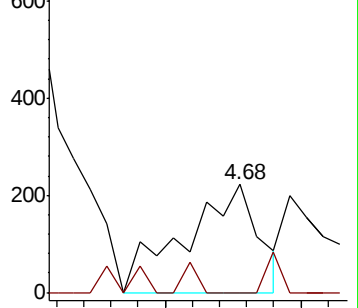
43 100

72 0.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.235 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

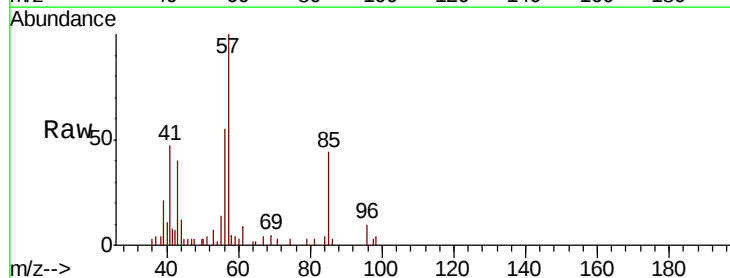
Tgt Ion: 96 Resp: 562

Ion Ratio Lower Upper

96 100

61 123.0 0.0 251.8

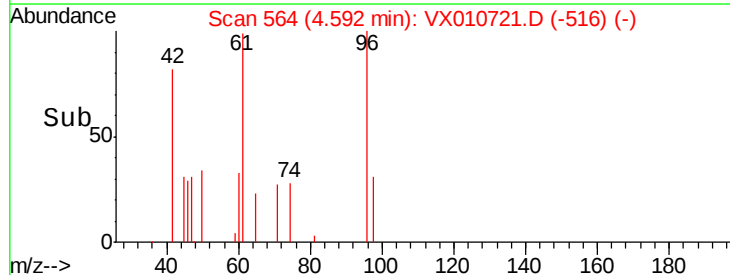
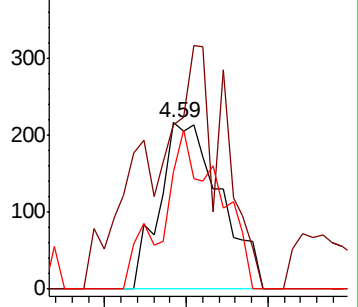
98 88.3 0.0 129.4

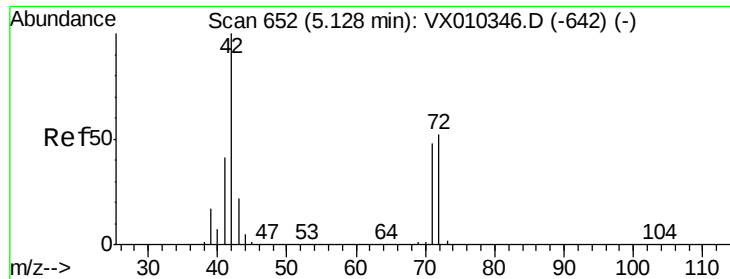


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 0.261 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

SS038MW050-190703

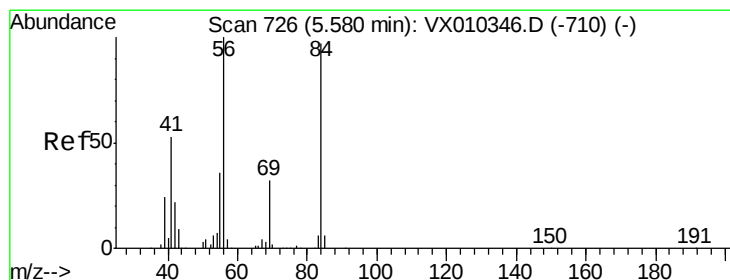
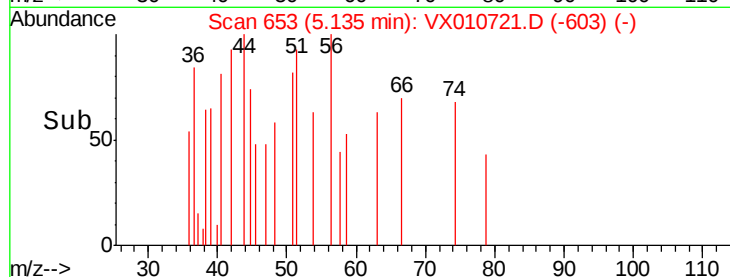
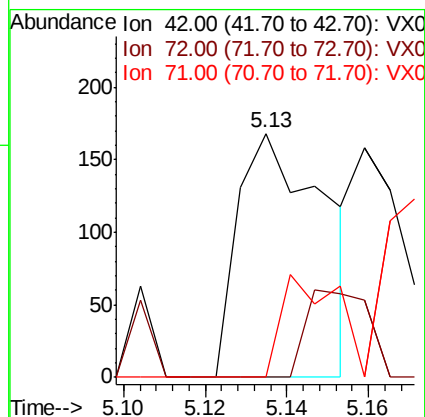
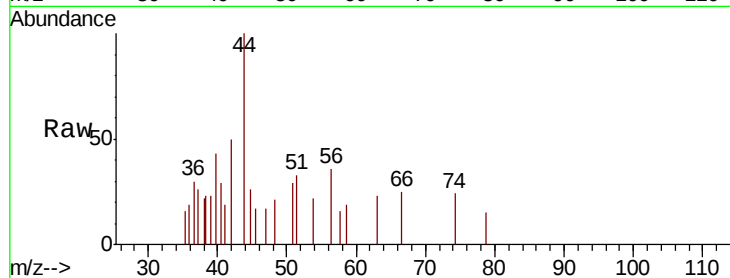
Tot Ion: 42 Resp: 247

Ion Ratio Lower Upper

42 100

72 25.5 40.6 60.8#

71 0.0 37.8 56.8#



#31

Cyclohexane

Concen: 0.917 ug/l

RT: 5.59 min Scan# 728

Delta R.T. 0.01 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

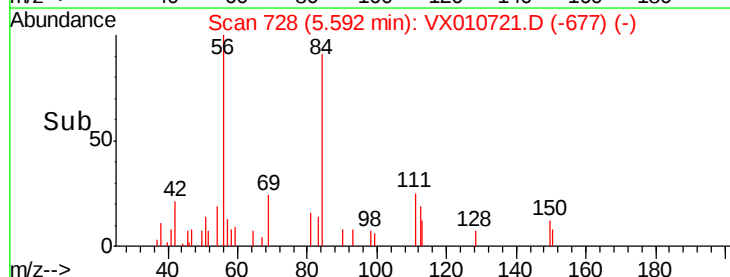
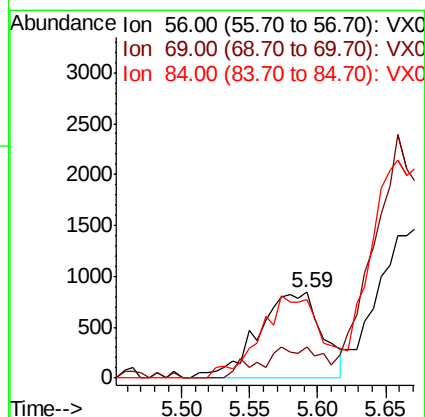
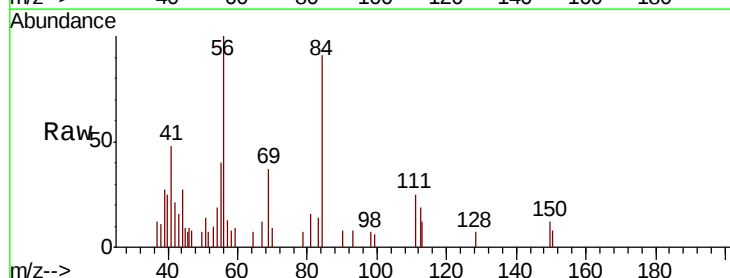
Tgt Ion: 56 Resp: 2750

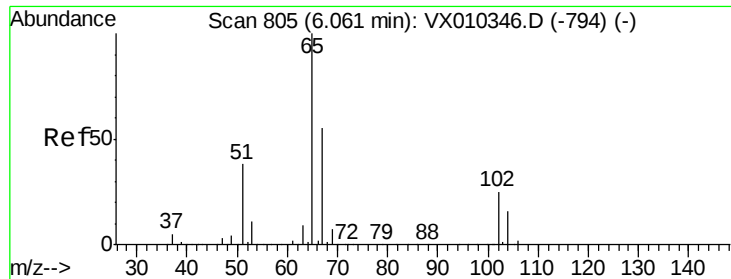
Ion Ratio Lower Upper

56 100

69 36.8 25.9 38.9

84 91.0 78.0 117.0





#33

1,2-Dichloroethane-d4

Concen: 53.023 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

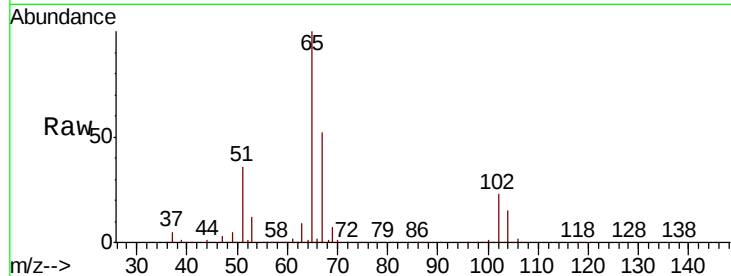
SS038MW050-190703

Tot Ion: 65 Resp: 110137

Ion Ratio Lower Upper

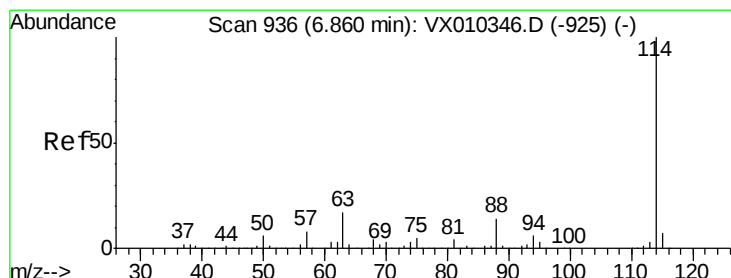
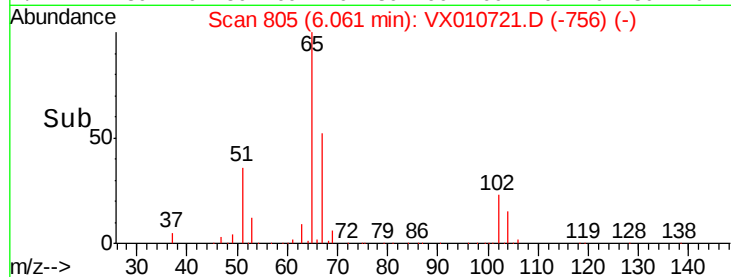
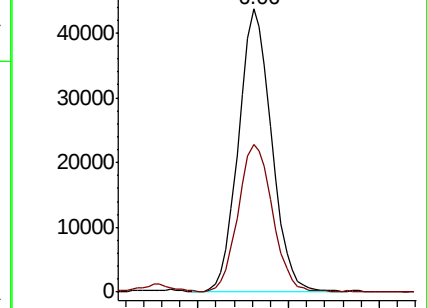
65 100

67 54.0 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

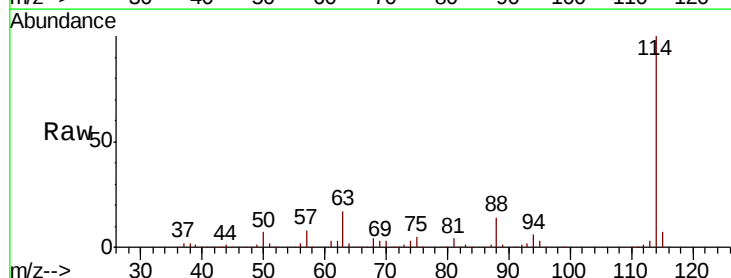
Tgt Ion: 114 Resp: 345181

Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.8

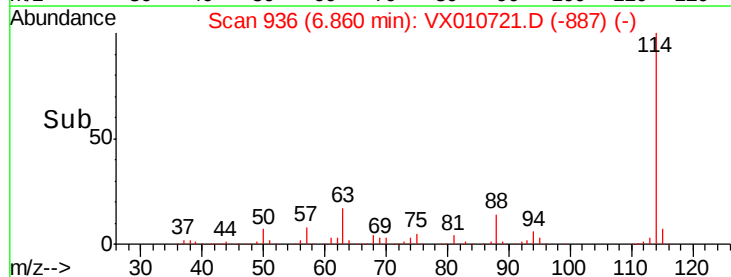
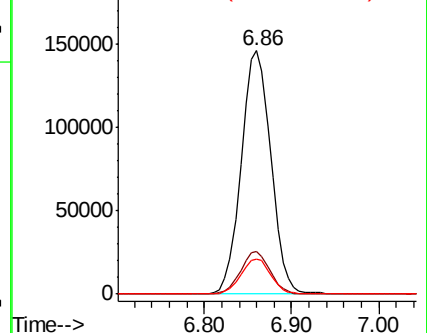
88 14.5 0.0 27.6

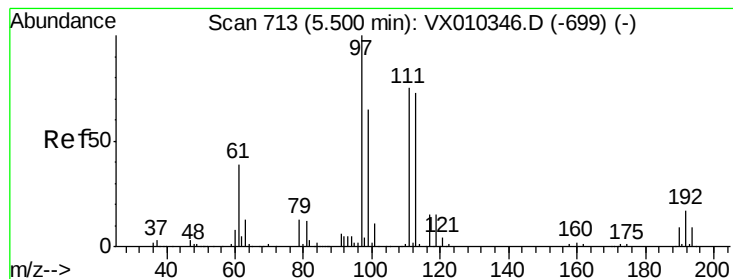


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.437 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

SS038MW050-190703

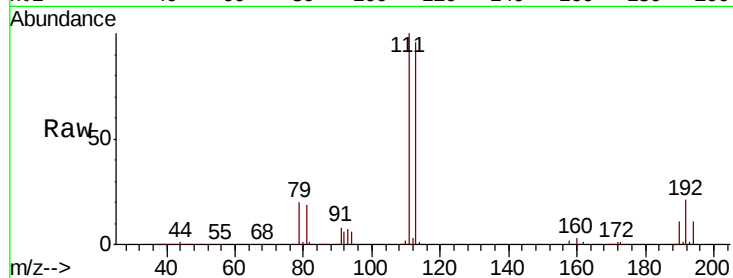
Tot Ion:113 Resp: 104408

Ion Ratio Lower Upper

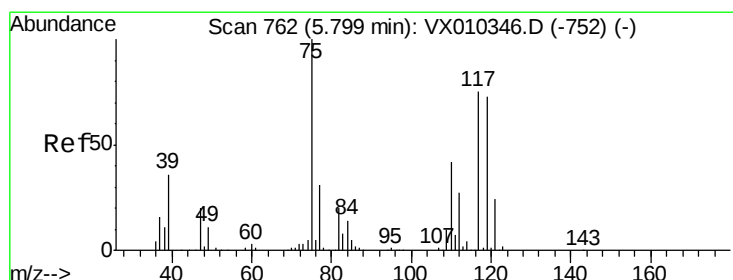
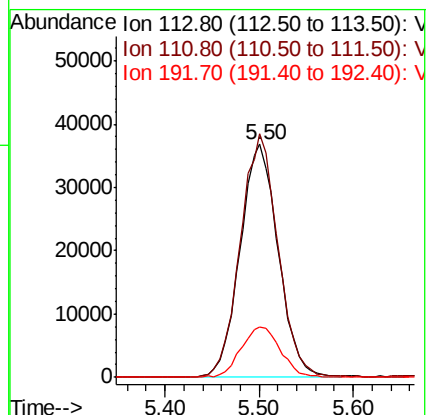
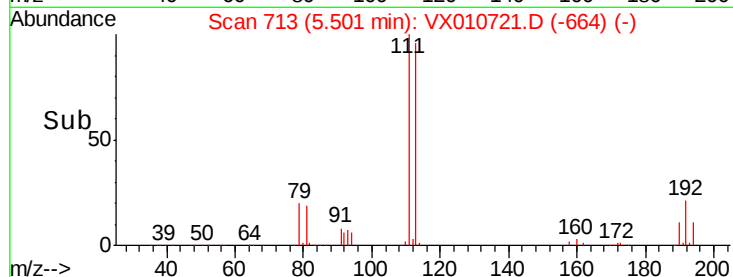
113 100

111 103.2 81.2 121.8

192 22.3 18.6 27.8



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: 5.124 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

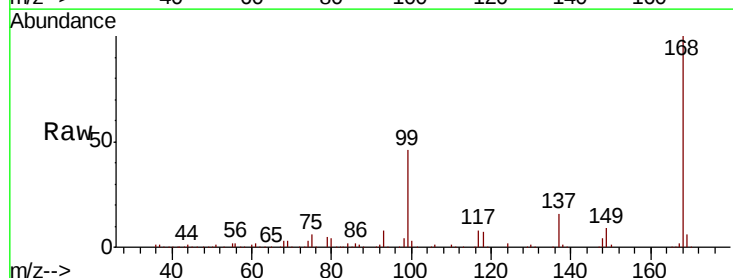
Tgt Ion: 75 Resp: 14055

Ion Ratio Lower Upper

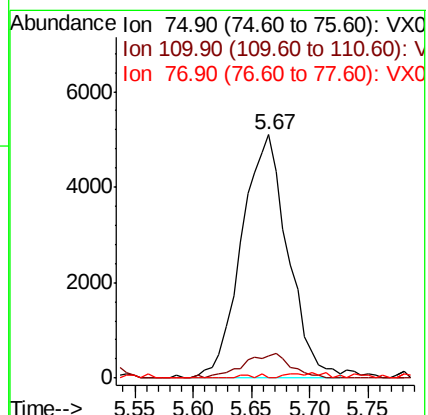
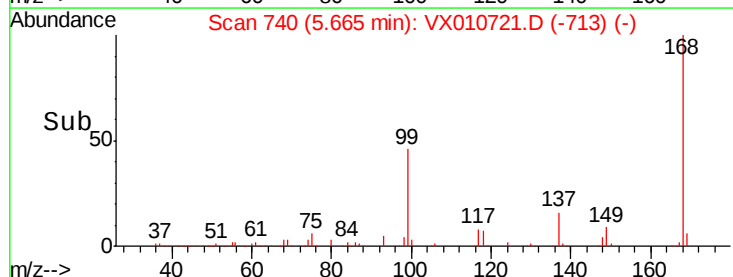
75 100

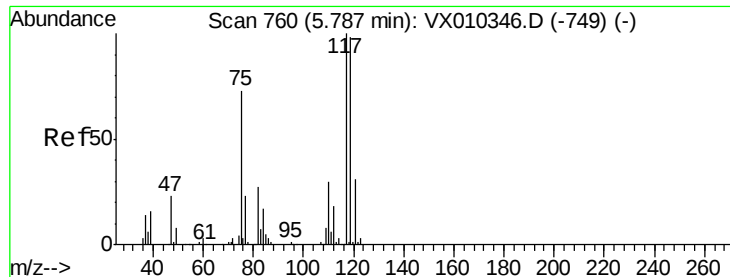
110 10.5 20.8 62.2#

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.674 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

SS038MW050-190703

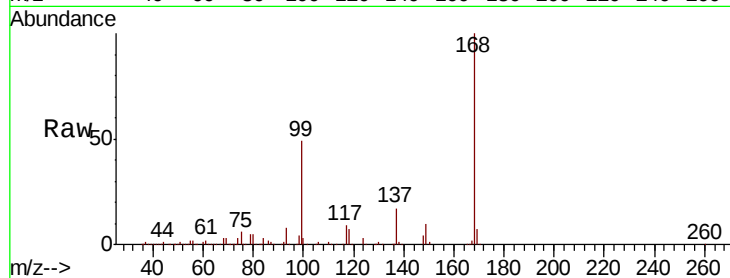
Tot Ion:117 Resp: 19823

Ion Ratio Lower Upper

117 100

119 5.0 78.2 117.4#

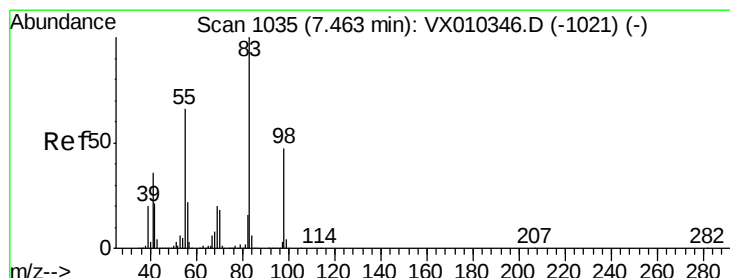
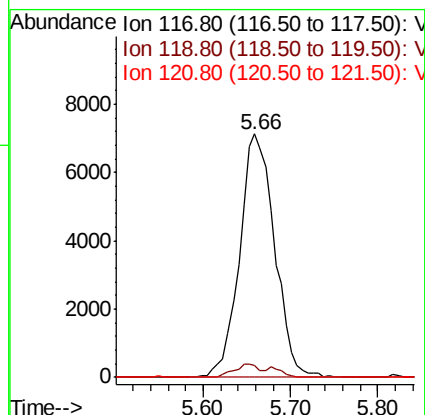
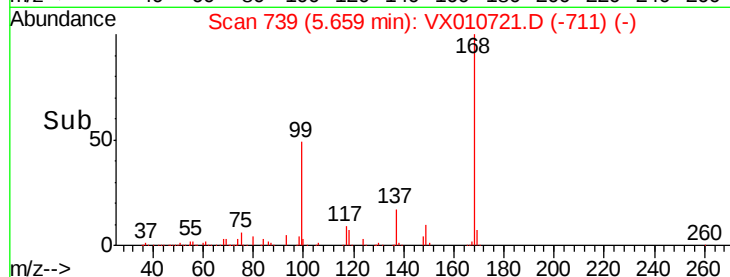
121 0.0 24.7 37.1#



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: 7.454 ug/l

RT: 7.45 min Scan# 1033

Delta R.T. -0.01 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

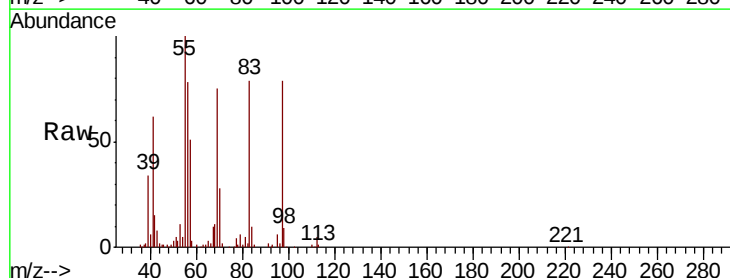
Tgt Ion: 83 Resp: 26875

Ion Ratio Lower Upper

83 100

55 125.6 53.0 79.6#

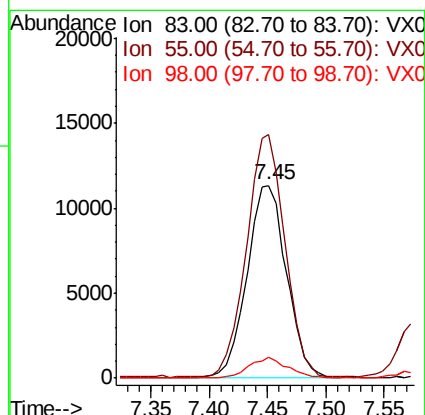
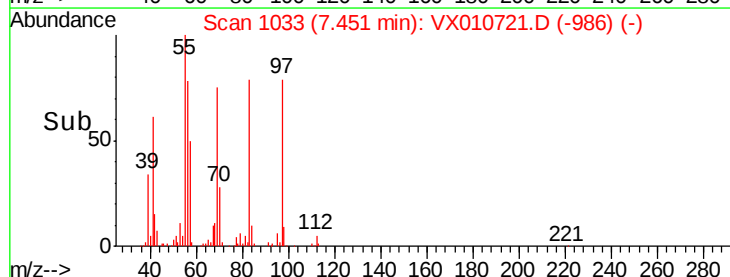
98 10.9 37.8 56.8#

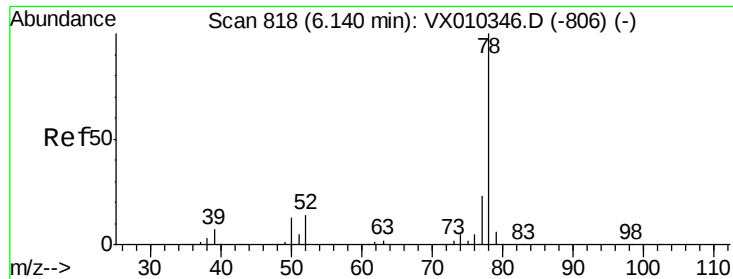


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.252 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

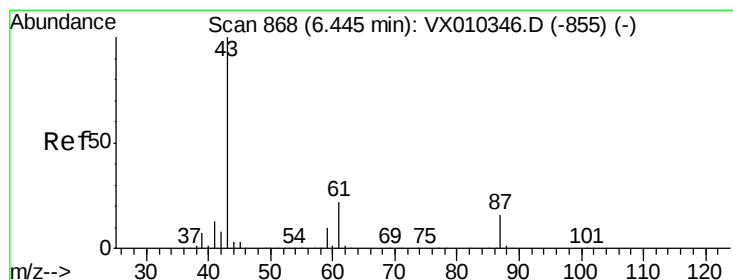
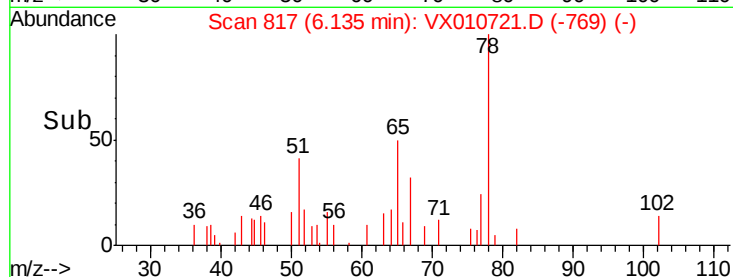
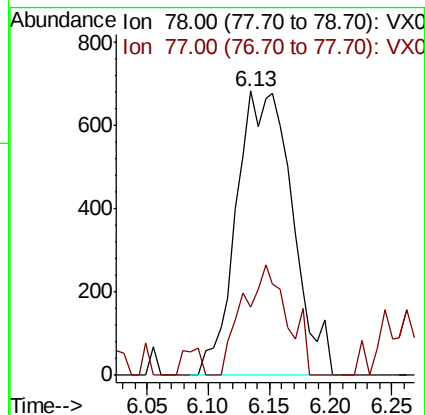
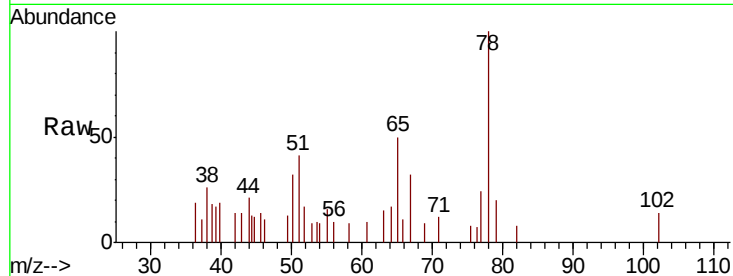
SS038MW050-190703

Tot Ion: 78 Resp: 2157

Ion Ratio Lower Upper

78 100

77 23.8 18.6 28.0



#43

Isopropyl Acetate

Concen: 33.159 ug/l

RT: 6.35 min Scan# 852

Delta R.T. -0.10 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

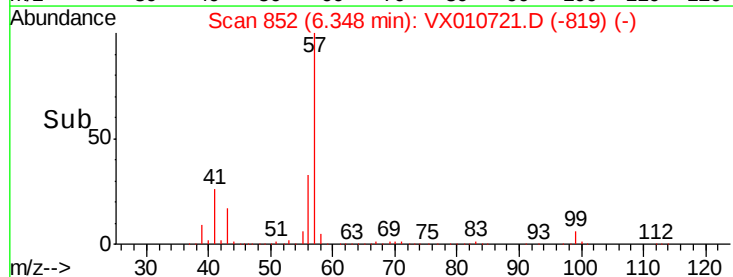
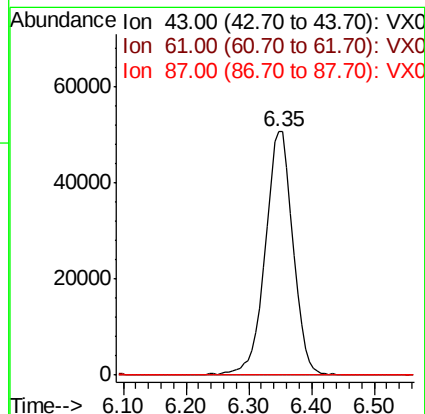
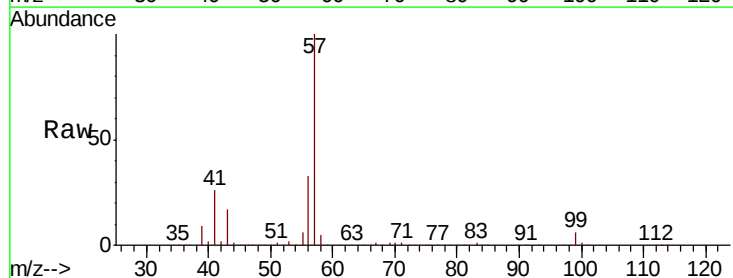
Tgt Ion: 43 Resp: 154810

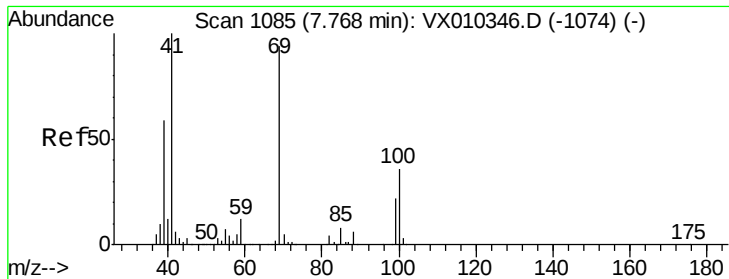
Ion Ratio Lower Upper

43 100

61 0.2 17.8 26.6#

87 0.0 13.0 19.4#

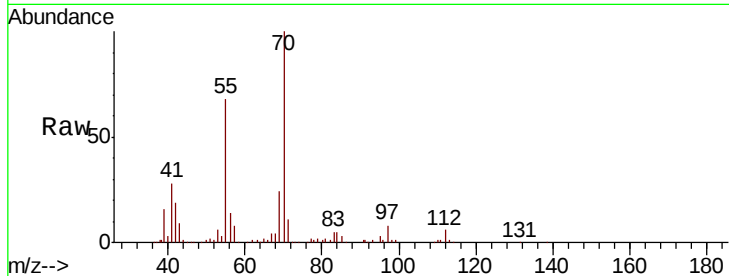




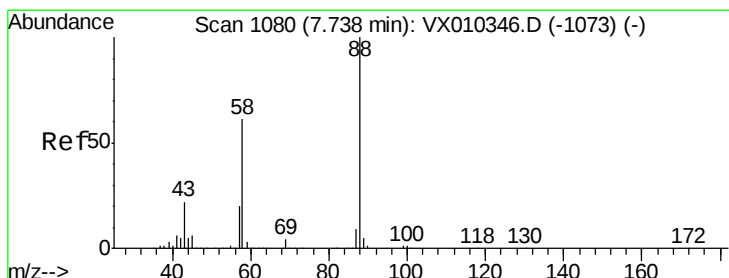
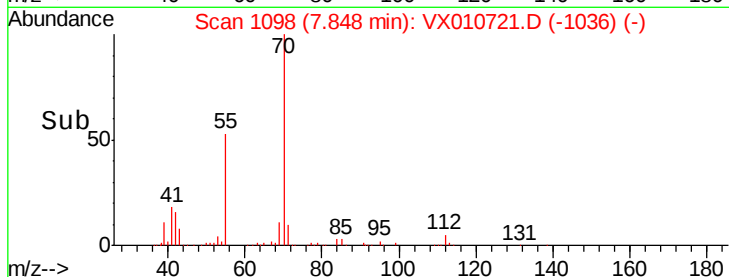
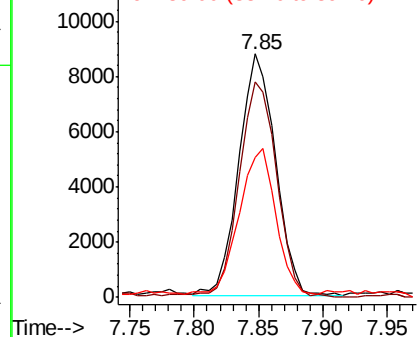
#48
Methyl methacrylate
Concen: 7.982 ug/l
RT: 7.85 min Scan# 1098
Delta R.T. 0.08 min
Lab File: VX010721.D
Acq: 09 Jul 2019 01:56

Instrument :
MSVOA_X
ClientSampleId :
SS038MW050-190703

Tot Ion: 41 Resp: 17321
Ion Ratio Lower Upper
41 100
69 91.1 76.1 114.1
39 59.6 47.6 71.4

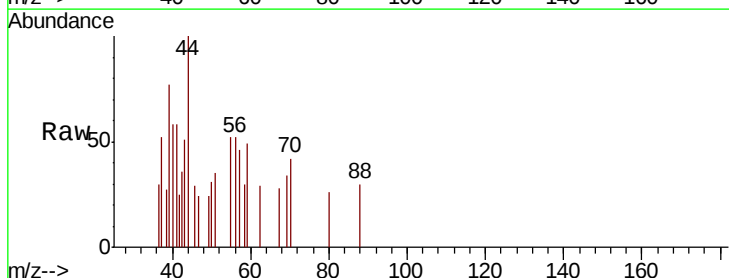


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

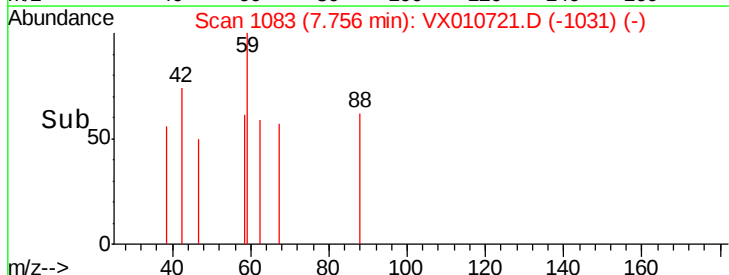
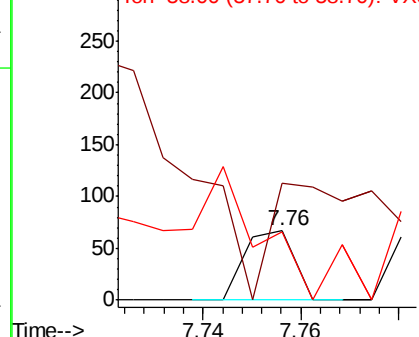


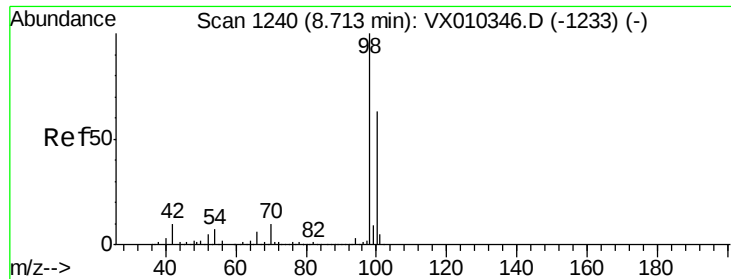
#49
1,4-Dioxane
Concen: 0.752 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VX010721.D
Acq: 09 Jul 2019 01:56

Tgt Ion: 88 Resp: 47
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 0.0 49.5 74.3#



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

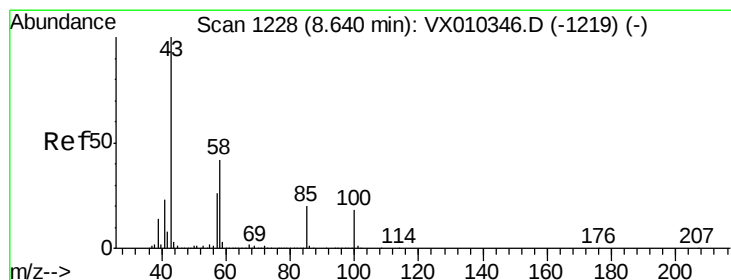
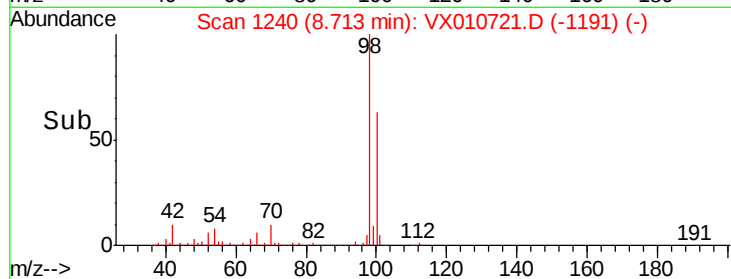
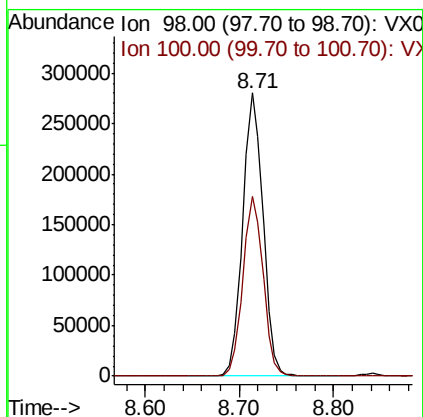
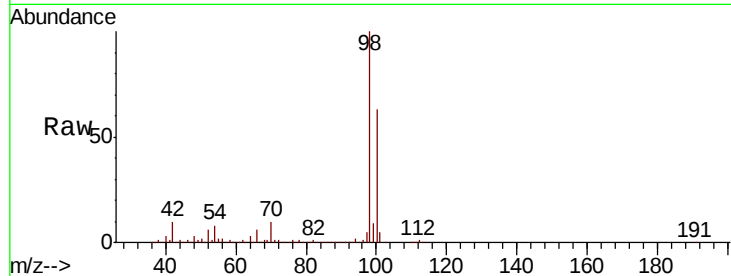




#50
Toluene-d8
Concen: 52.480 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010721.D
Acq: 09 Jul 2019 01:56

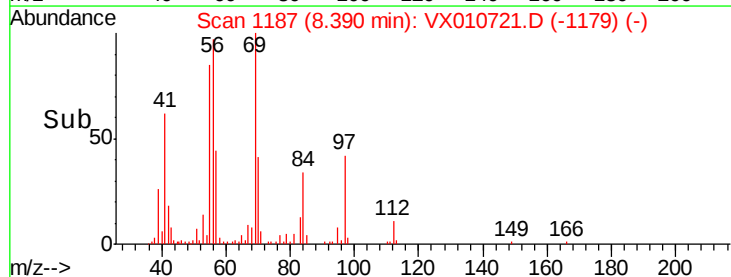
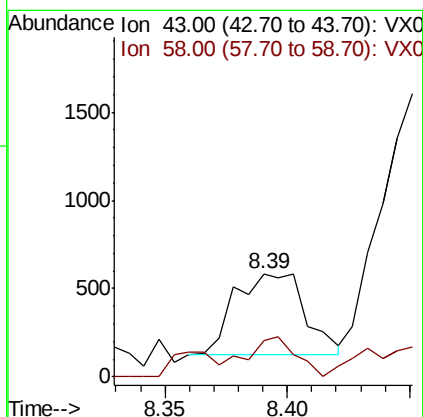
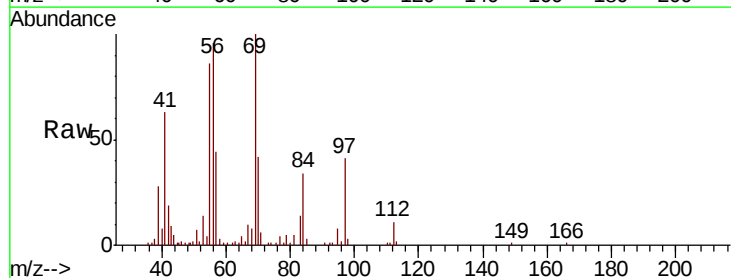
Instrument :
MSVOA_X
ClientSampleId :
SS038MW050-190703

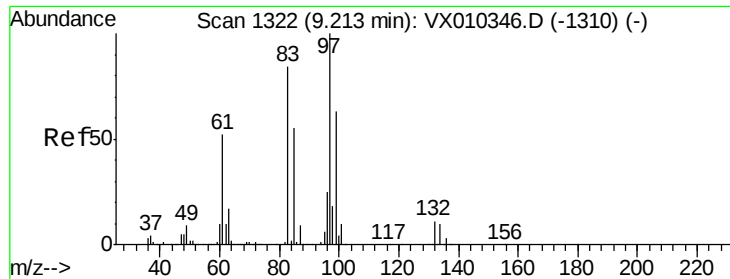
Tot Ion: 98 Resp: 424036
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 0.311 ug/l
RT: 8.39 min Scan# 1187
Delta R.T. -0.25 min
Lab File: VX010721.D
Acq: 09 Jul 2019 01:56

Tgt Ion: 43 Resp: 929
Ion Ratio Lower Upper
43 100
58 33.9 33.5 50.3

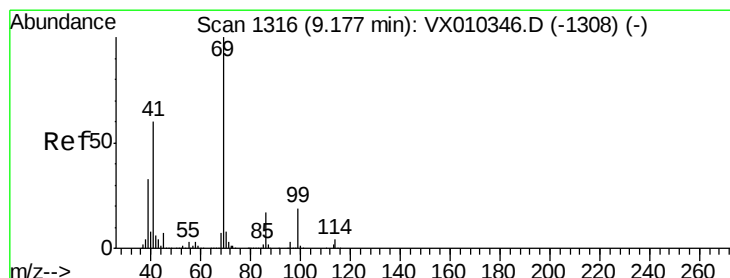
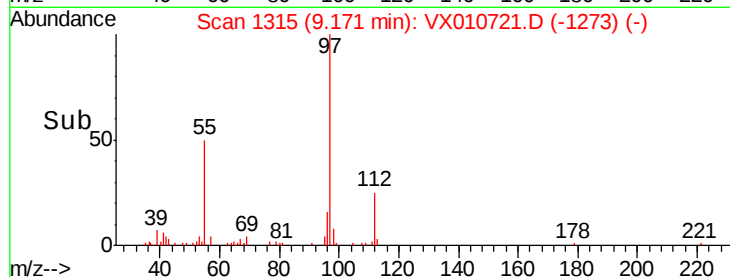
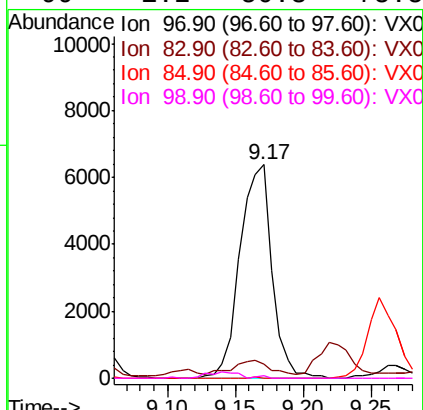
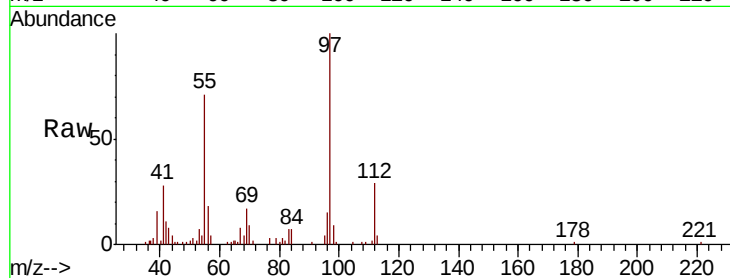




#55
 1,1,2-Trichloroethane
 Concen: 4.546 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.04 min
 Lab File: VX010721.D
 Acq: 09 Jul 2019 01:56

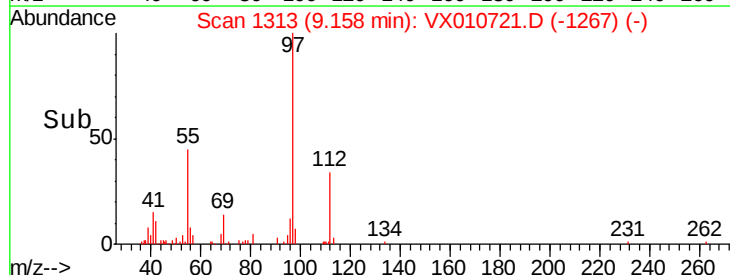
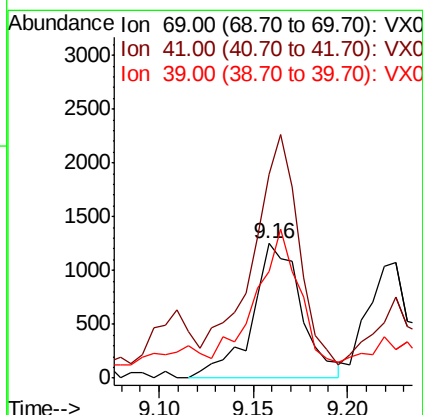
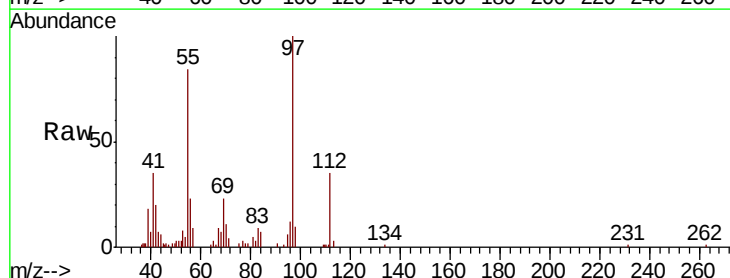
Instrument :
 MSVOA_X
 ClientSampleId :
 SS038MW050-190703

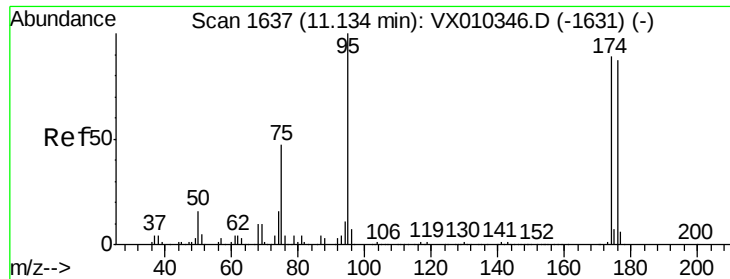
Tot Ion: 97 Resp: 10551
 Ion Ratio Lower Upper
 97 100
 83 2.8 67.4 101.0#
 85 0.0 43.8 65.8#
 99 1.2 50.3 75.5#



#56
 Ethyl methacrylate
 Concen: 0.648 ug/l
 RT: 9.16 min Scan# 1313
 Delta R.T. -0.02 min
 Lab File: VX010721.D
 Acq: 09 Jul 2019 01:56

Tgt Ion: 69 Resp: 2278
 Ion Ratio Lower Upper
 69 100
 41 157.8 47.1 70.7#
 39 84.0 26.6 40.0#





#62

4-Bromofluorobenzene

Concen: 50.606 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

SS038MW050-190703

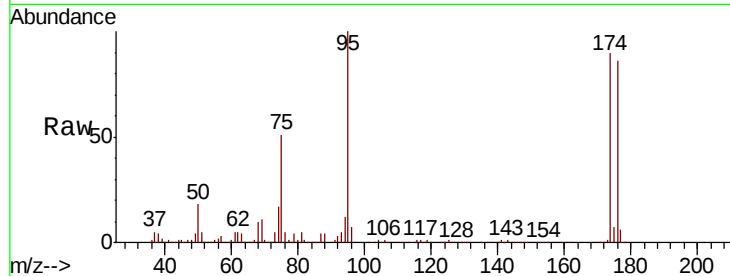
Tot Ion: 95 Resp: 147622

Ion Ratio Lower Upper

95 100

174 91.7 0.0 187.6

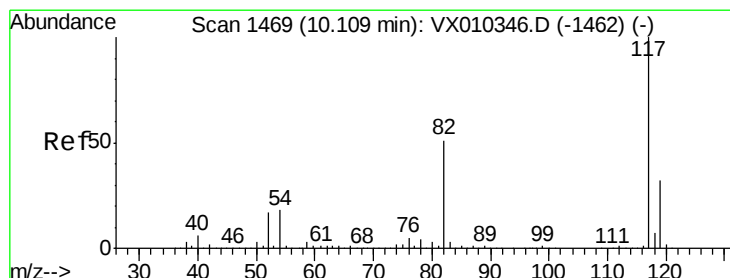
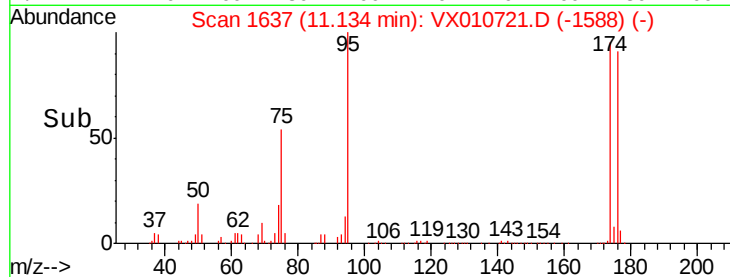
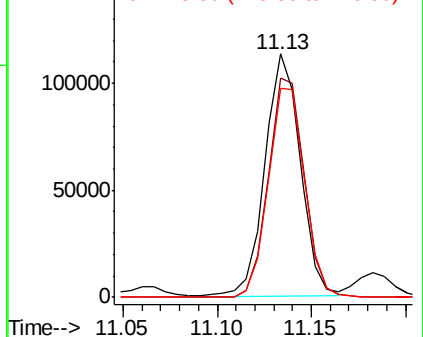
176 88.7 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010721.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010721.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010721.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

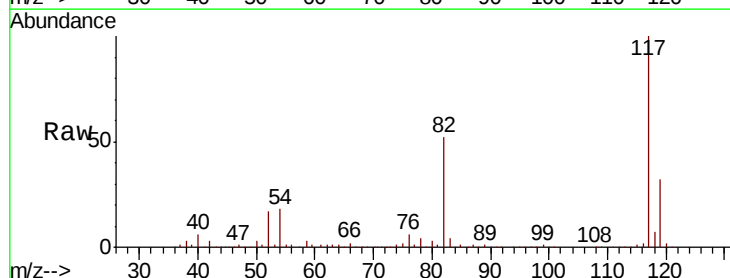
Tgt Ion: 117 Resp: 322761

Ion Ratio Lower Upper

117 100

82 51.8 41.2 61.8

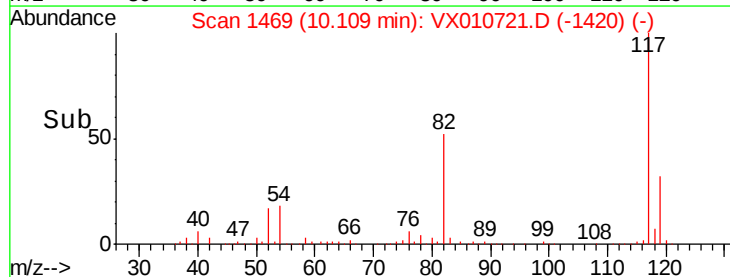
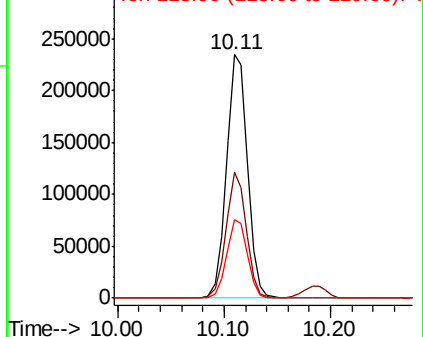
119 32.1 25.5 38.3

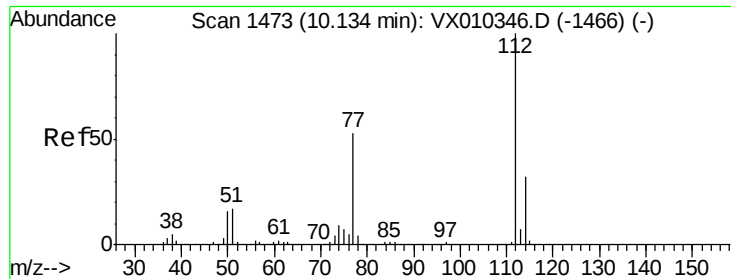


Abundance Ion 116.90 (116.60 to 117.60): VX010721.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010721.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010721.D (-1420) (-)





#65

Chlorobenzene

Concen: 20.050 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

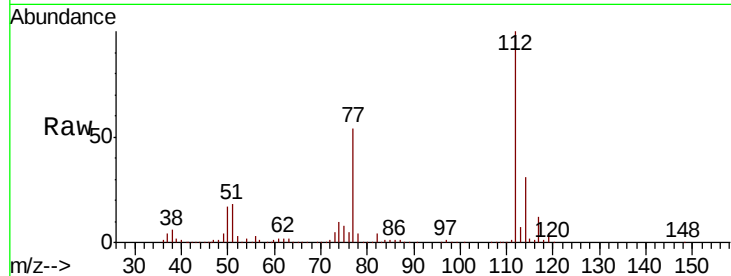
SS038MW050-190703

Tot Ion:112 Resp: 131381

Ion Ratio Lower Upper

112 100

114 31.2 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

80000

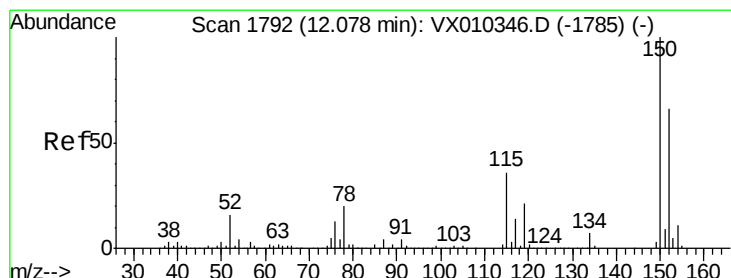
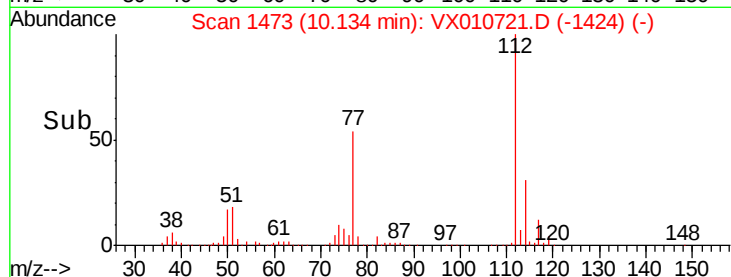
60000

40000

20000

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

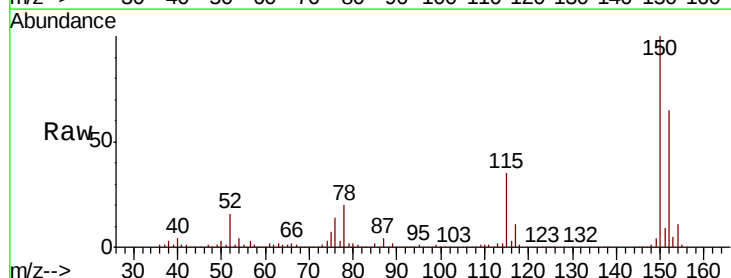
Tgt Ion:152 Resp: 161715

Ion Ratio Lower Upper

152 100

115 54.3 38.6 115.7

150 154.5 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

250000

200000

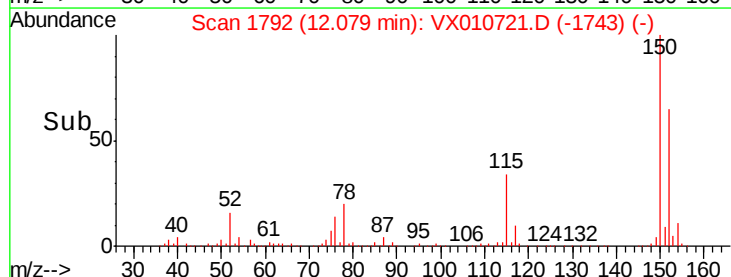
150000

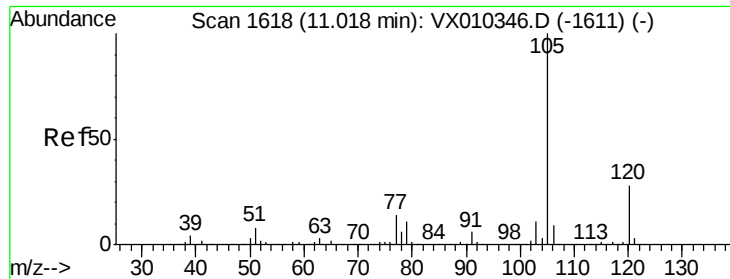
100000

50000

0

Time-->





#73

Isopropylbenzene

Concen: 4.396 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

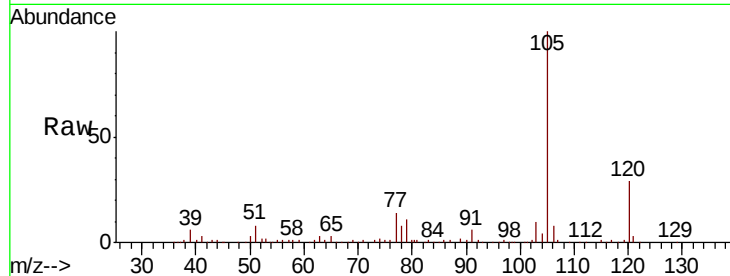
SS038MW050-190703

Tot Ion:105 Resp: 48188

Ion Ratio Lower Upper

105 100

120 28.8 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

40000

30000

20000

10000

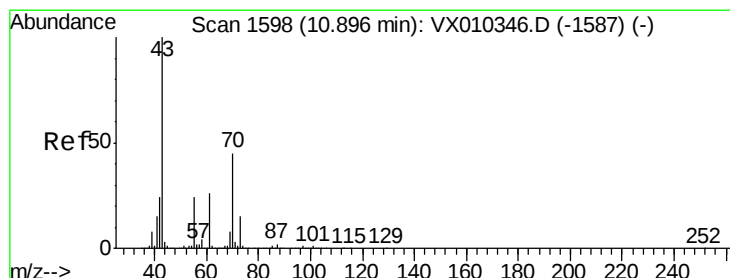
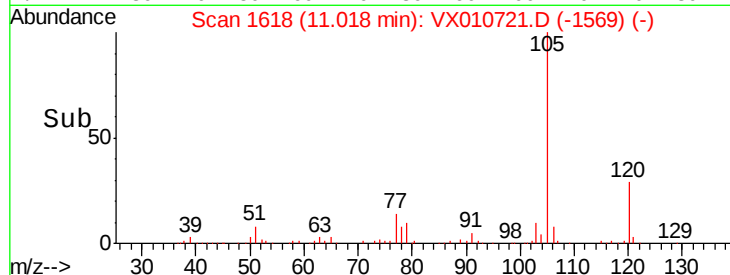
0

Time-->

10.95

11.00

11.05



#74

N-ethyl acetate

Concen: 0.300 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.02 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Tgt Ion: 43 Resp: 1244

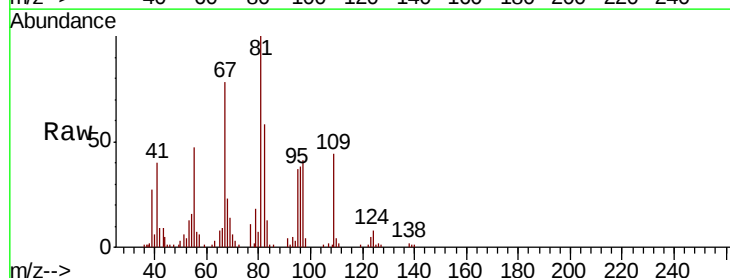
Ion Ratio Lower Upper

43 100

70 0.0 36.6 54.8#

55 644.0 18.7 28.1#

61 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

8000

6000

4000

2000

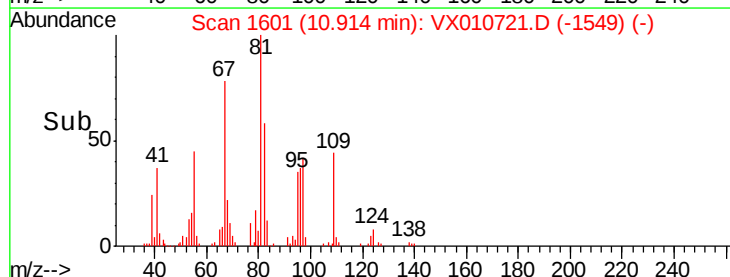
0

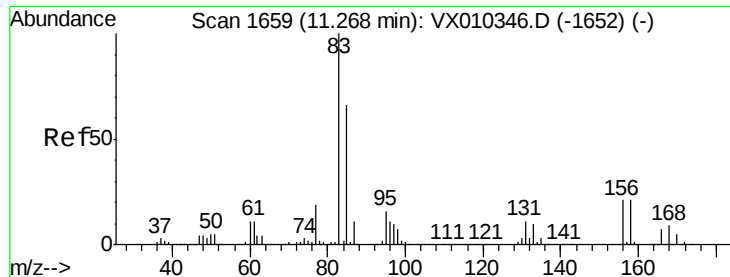
Time-->

10.85

10.90

10.95





#75

1,1,2,2-Tetrachloroethane

Concen: 1.177 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

SS038MW050-190703

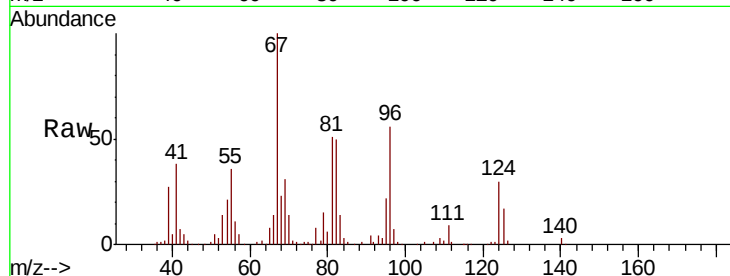
Tot Ion: 83 Resp: 4273

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

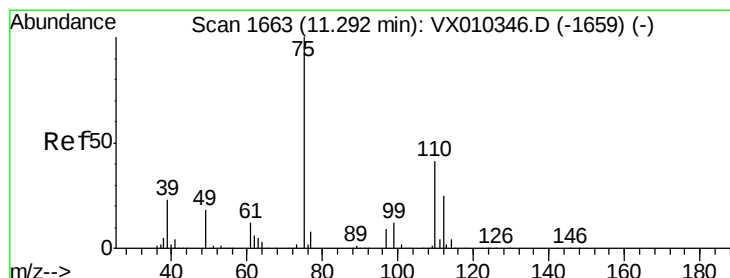
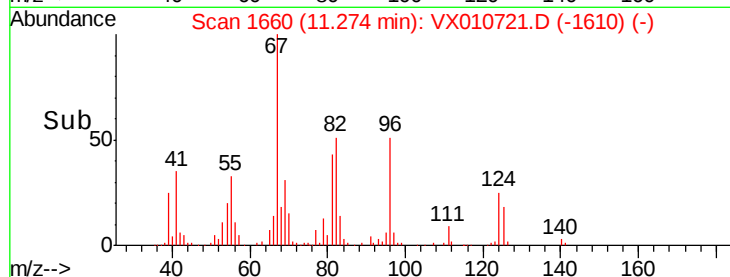
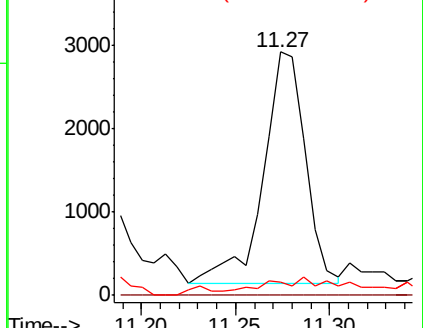
85 3.1 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.333 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010721.D

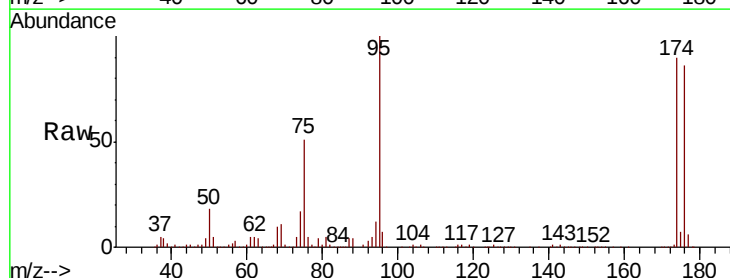
Acq: 09 Jul 2019 01:56

Tgt Ion: 75 Resp: 71705

Ion Ratio Lower Upper

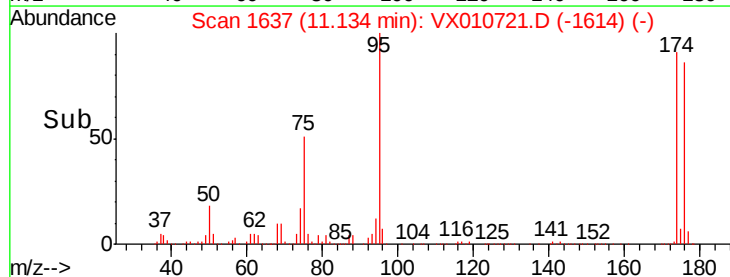
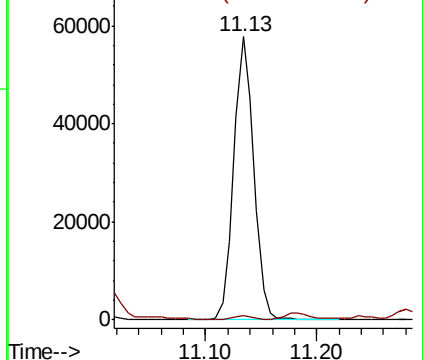
75 100

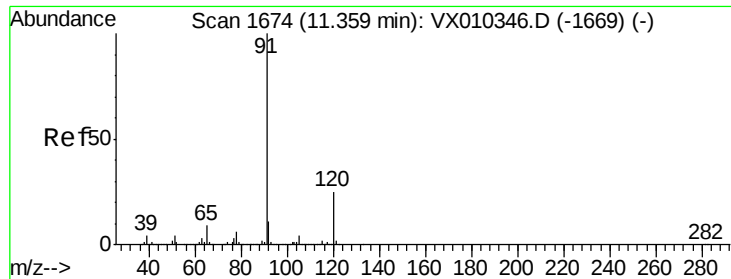
77 1.0 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.281 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

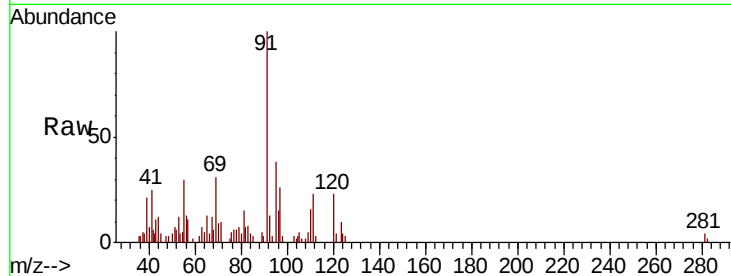
SS038MW050-190703

Tot Ion: 91 Resp: 3382

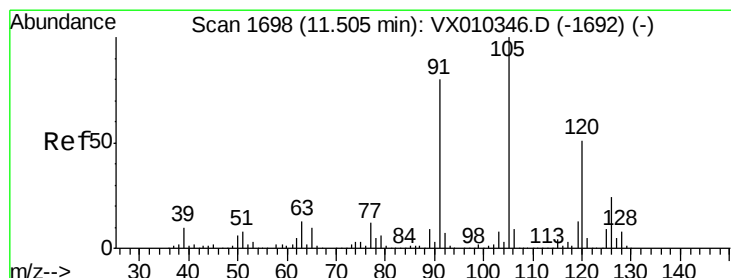
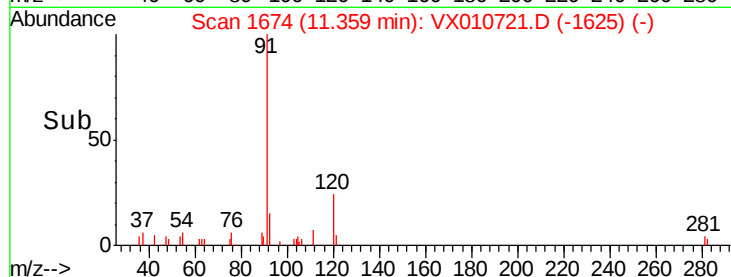
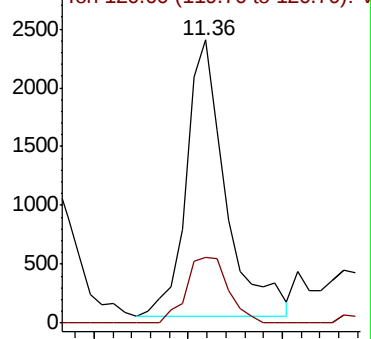
Ion Ratio Lower Upper

91 100

120 25.6 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1669) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.241 ug/l

RT: 11.66 min Scan# 1724

Delta R.T. 0.16 min

Lab File: VX010721.D

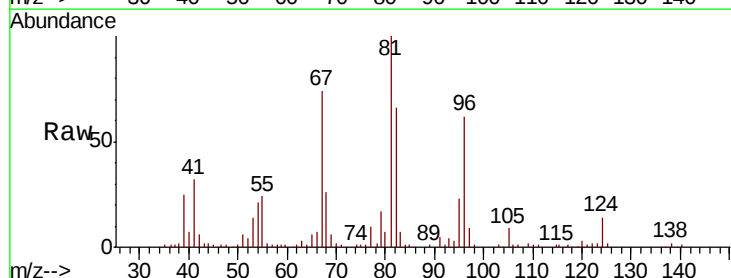
Acq: 09 Jul 2019 01:56

Tgt Ion: 105 Resp: 2180

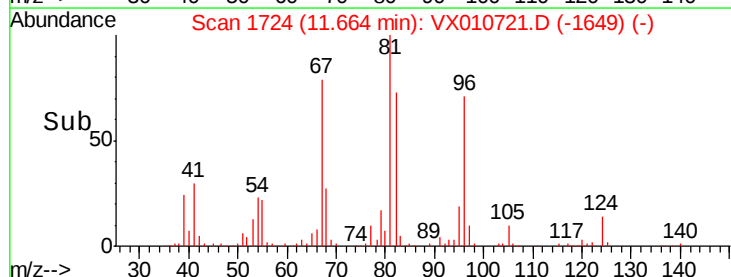
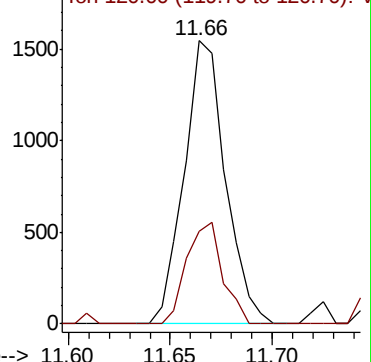
Ion Ratio Lower Upper

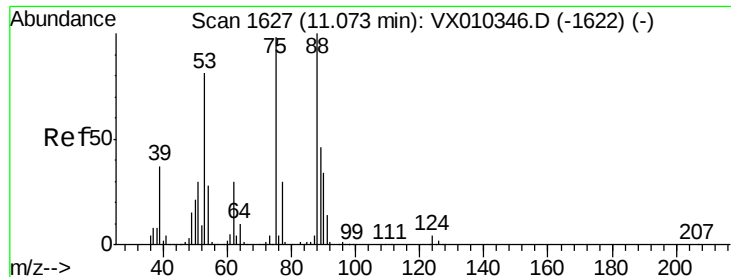
105 100

120 31.1 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010346.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 56.765 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

SS038MW050-190703

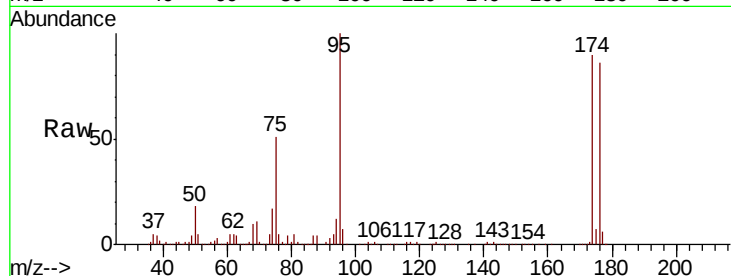
Tot Ion: 75 Resp: 71705

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

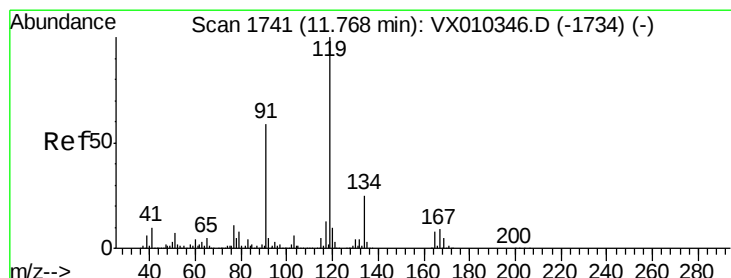
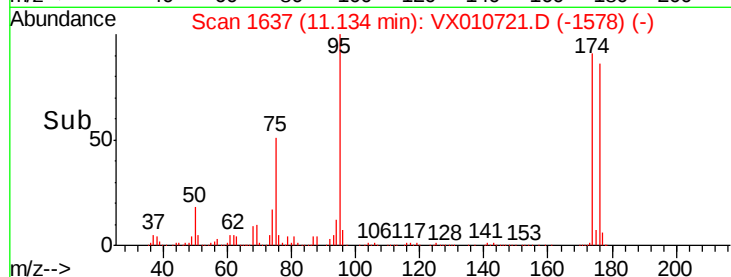
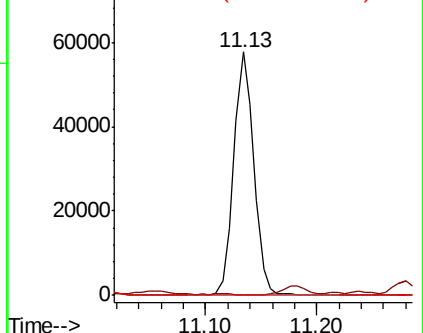
89 0.1 37.8 56.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#83

tert-Butylbenzene

Concen: 7.200 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

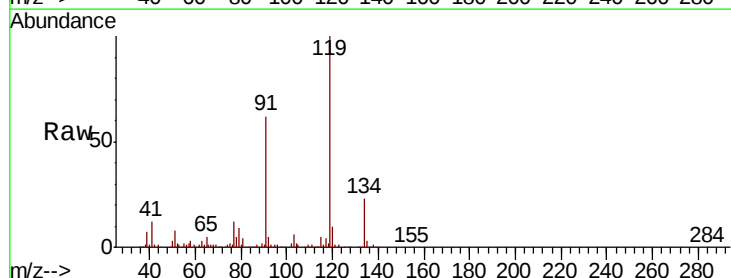
Tgt Ion: 119 Resp: 65309

Ion Ratio Lower Upper

119 100

91 63.7 27.6 82.7

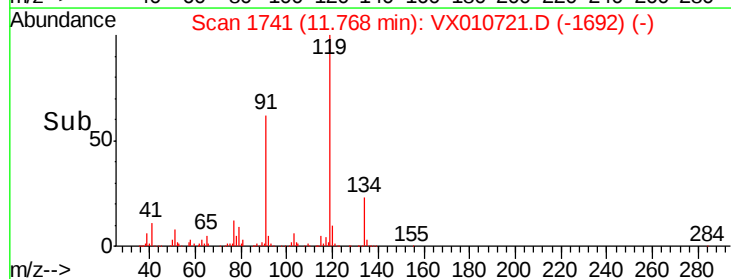
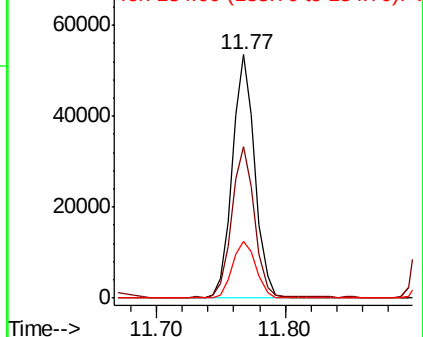
134 24.4 11.8 35.4

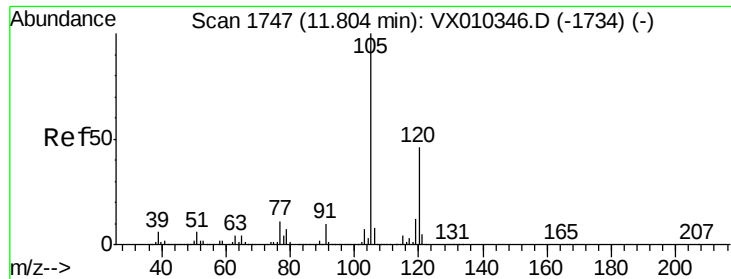


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V

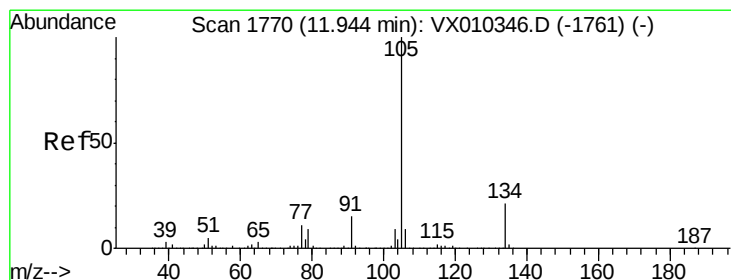
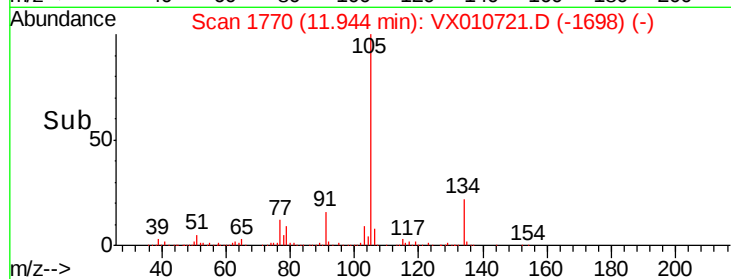
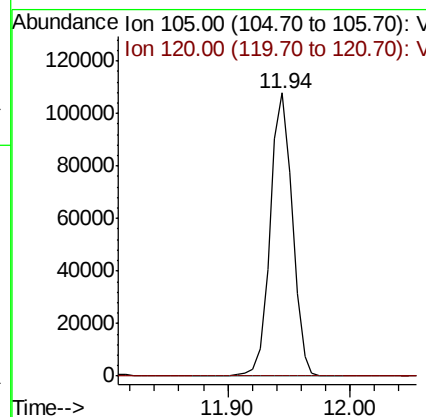
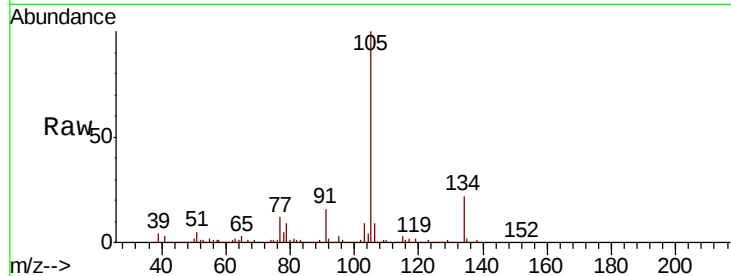




#84
 1,2,4-Trimethylbenzene
 Concen: 14.990 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.14 min
 Lab File: VX010721.D
 Acq: 09 Jul 2019 01:56

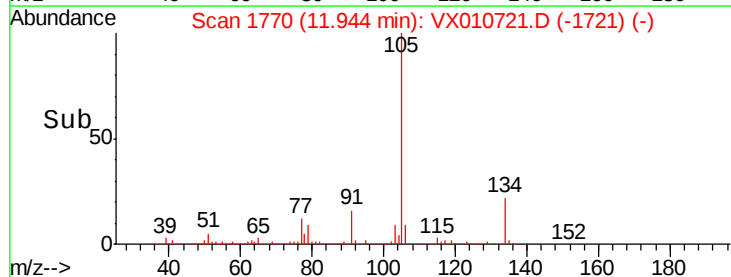
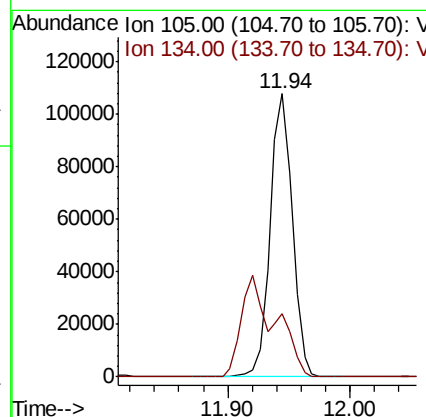
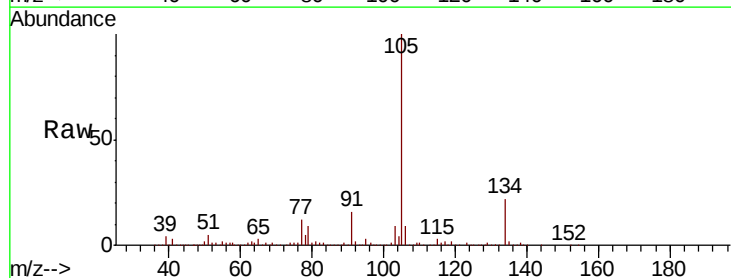
Instrument :
 MSVOA_X
 ClientSampleId :
 SS038MW050-190703

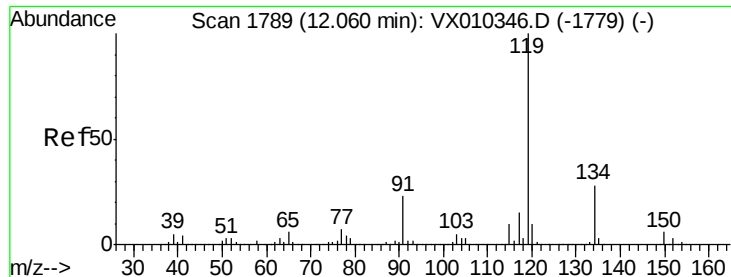
Tot Ion:105 Resp: 136105
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.1 69.2#



#85
 sec-Butylbenzene
 Concen: 12.780 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010721.D
 Acq: 09 Jul 2019 01:56

Tgt Ion:105 Resp: 136105
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.7 31.9#

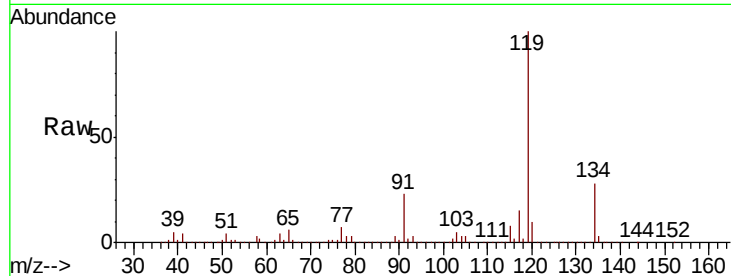




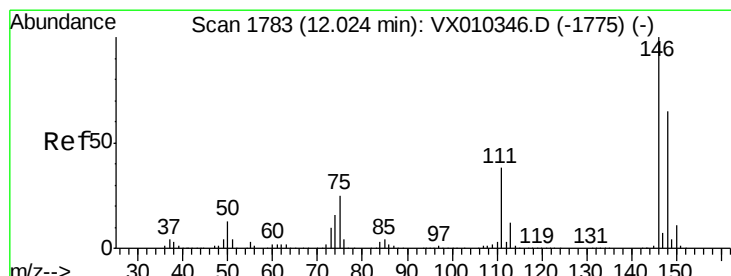
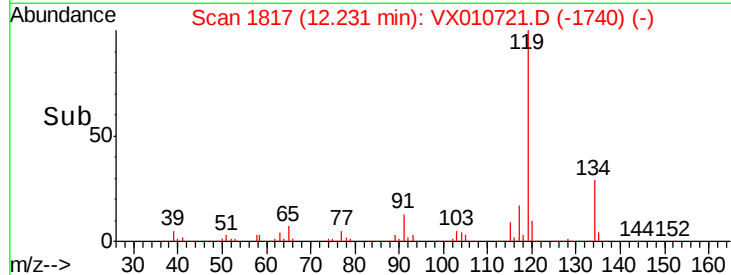
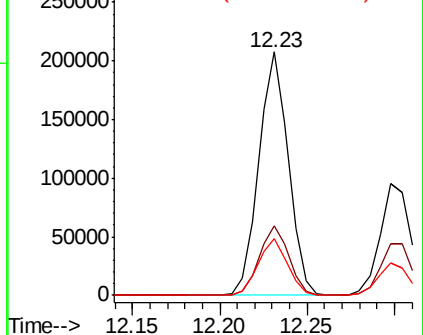
#86
 p-Isopropyltoluene
 Concen: 24.749 ug/l
 RT: 12.23 min Scan# 1817
 Delta R.T. 0.17 min
 Lab File: VX010721.D
 Acq: 09 Jul 2019 01:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038MW050-190703

Tot Ion:119 Resp: 243794
 Ion Ratio Lower Upper
 119 100
 134 28.5 13.7 41.1
 91 22.9 11.3 33.8

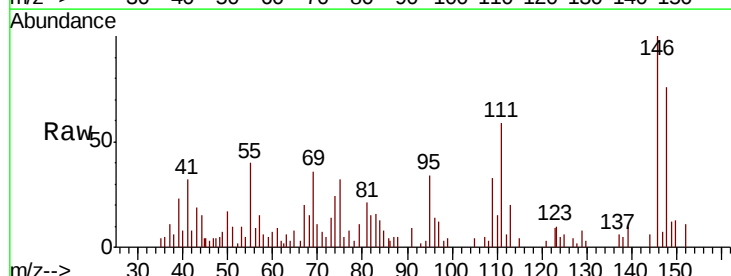


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

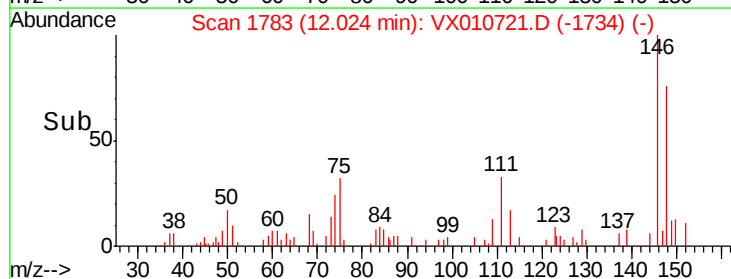
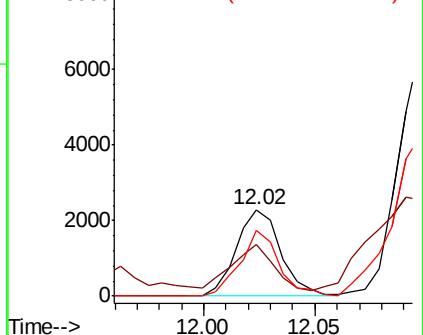


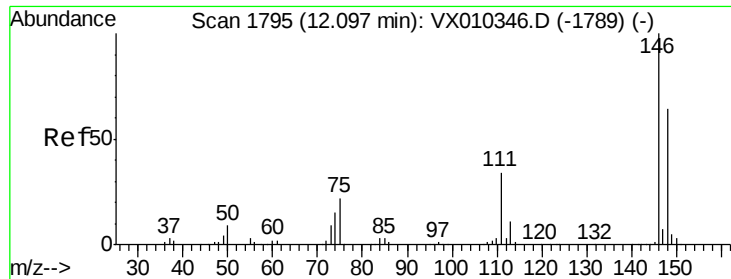
#87
 1,3-Dichlorobenzene
 Concen: 0.596 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010721.D
 Acq: 09 Jul 2019 01:56

Tgt Ion:146 Resp: 3184
 Ion Ratio Lower Upper
 146 100
 111 49.8 19.1 57.1
 148 67.2 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

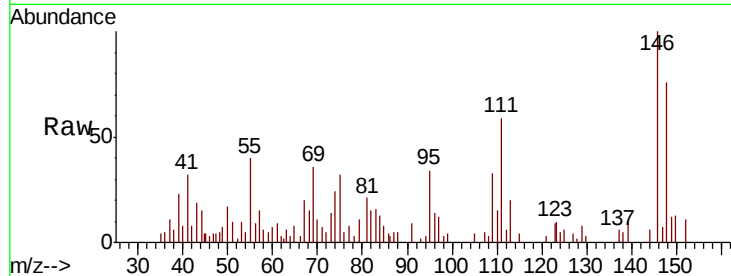




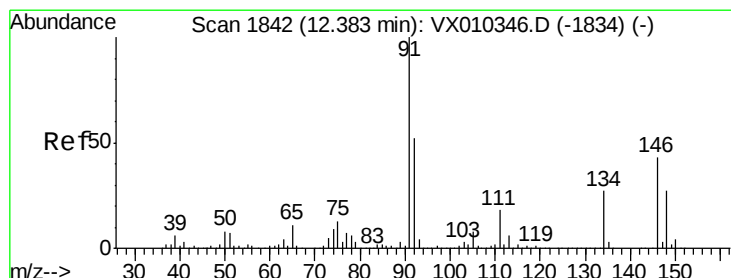
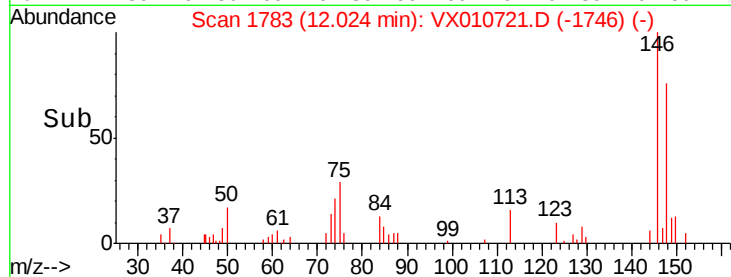
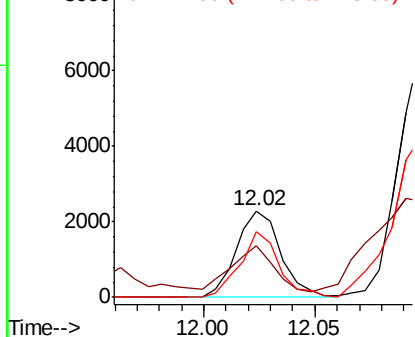
#88
 1,4-Dichlorobenzene
 Concen: 0.585 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.07 min
 Lab File: VX010721.D
 Acq: 09 Jul 2019 01:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038MW050-190703

Tot Ion:146 Resp: 3184
 Ion Ratio Lower Upper
 146 100
 111 48.9 18.1 54.3
 148 67.2 32.1 96.3

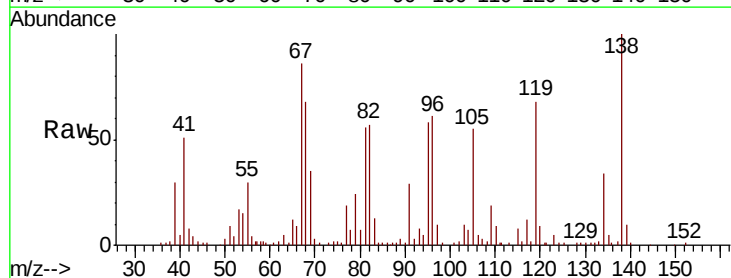


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

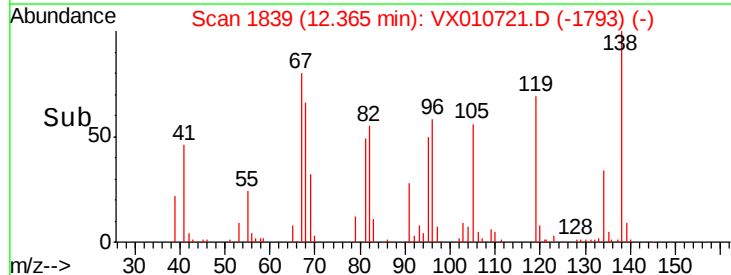
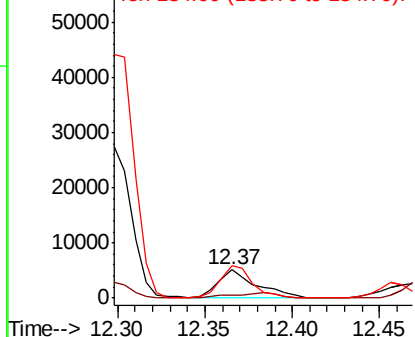


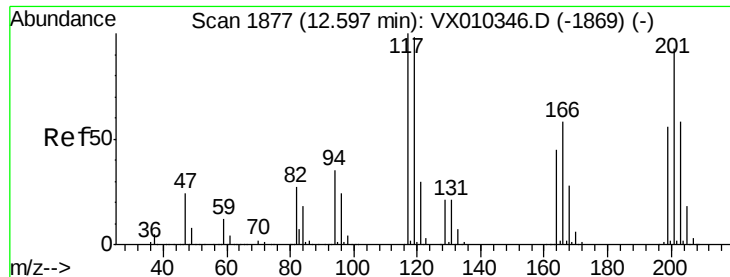
#89
 n-Butylbenzene
 Concen: 0.939 ug/l
 RT: 12.37 min Scan# 1839
 Delta R.T. -0.02 min
 Lab File: VX010721.D
 Acq: 09 Jul 2019 01:56

Tgt Ion: 91 Resp: 7856
 Ion Ratio Lower Upper
 91 100
 92 22.5 26.2 78.5#
 134 96.3 14.1 42.4#



Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 92.00 (91.70 to 92.70): VX0
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 41.697 ug/l

RT: 12.67 min Scan# 1889

Delta R.T. 0.07 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

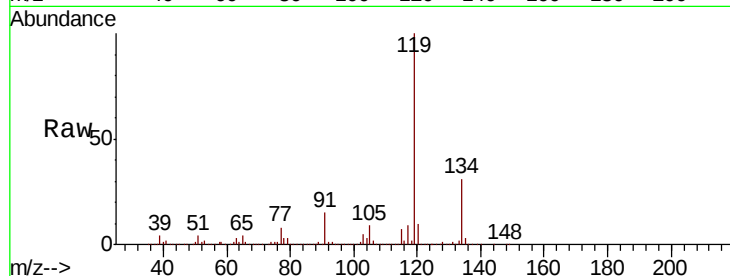
SS038MW050-190703

Tot Ion:117 Resp: 71023

Ion Ratio Lower Upper

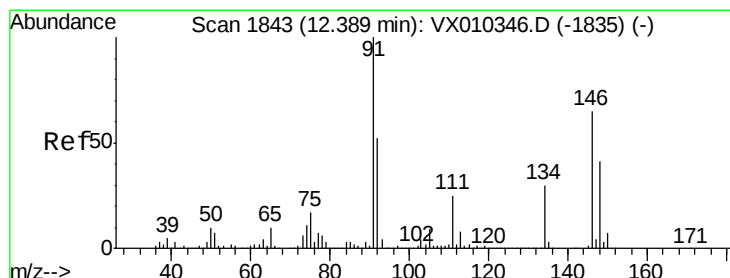
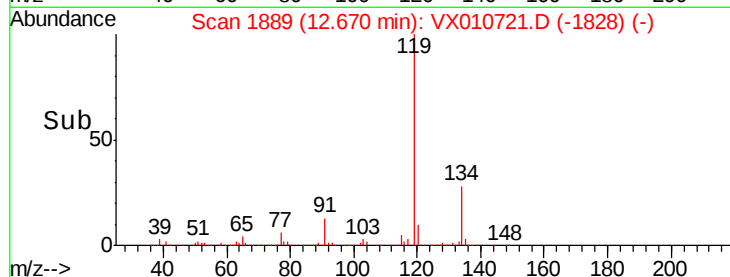
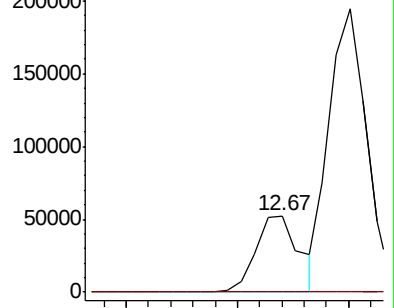
117 100

201 0.0 44.0 131.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.410 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

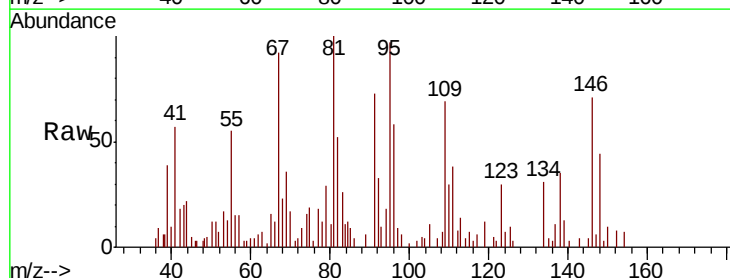
Tgt Ion:146 Resp: 2177

Ion Ratio Lower Upper

146 100

111 36.7 19.2 57.6

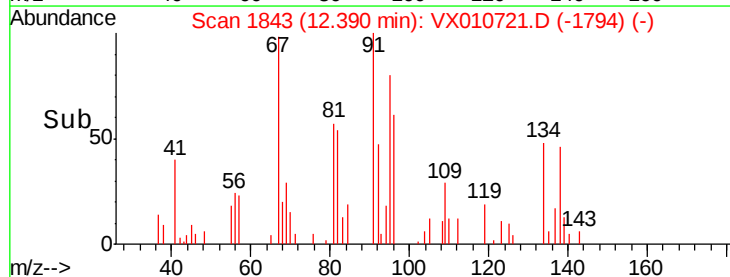
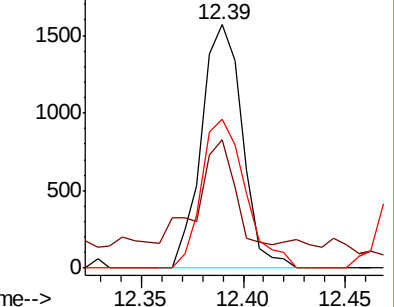
148 66.1 32.0 96.0

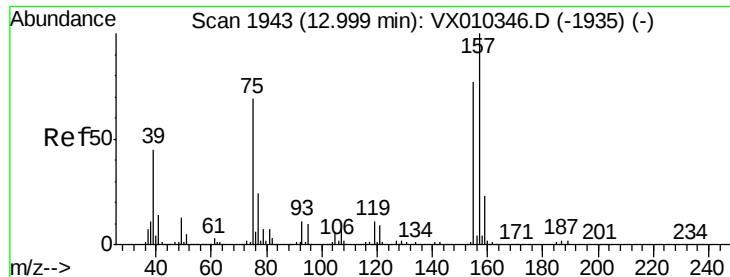


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.659 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

SS038MW050-190703

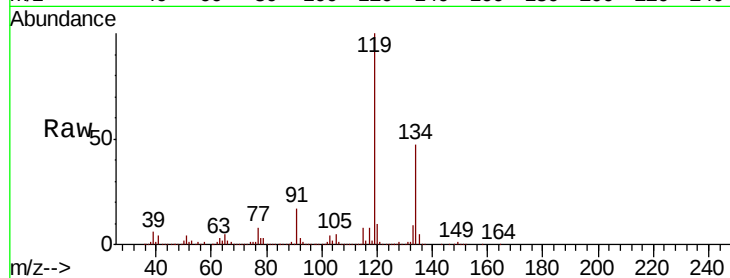
Tot Ion: 75 Resp: 2864

Ion Ratio Lower Upper

75 100

155 0.0 54.4 163.1#

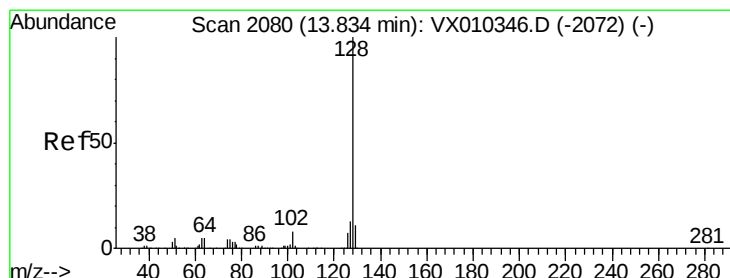
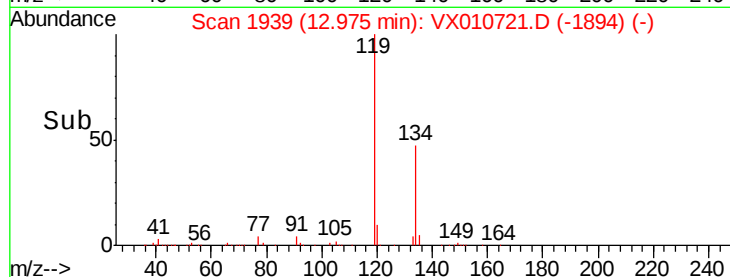
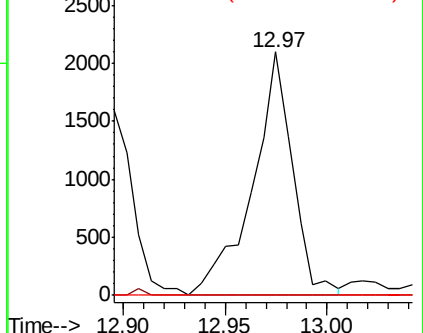
157 0.0 69.5 208.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 0.202 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010721.D

Acq: 09 Jul 2019 01:56

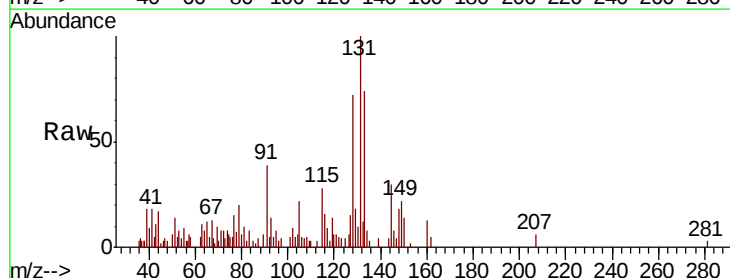
Tgt Ion: 128 Resp: 2284

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 46.6 8.9 13.3#



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

